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WAGES AND HOURS OF LABOR IN THE BOOT AND SHOE INDUSTRY: 1907 TO 1916



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### BULLETIN OF THE

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

WHOLE NO. 232.

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### BOOT AND SHOE MANUFACTURING.

### INTRODUCTION AND SUMMARY.

Rates of wages per hour, hours of labor per week, and full-time and actual weekly earnings in the year 1916 in the boot and shoe industry of the United States are presented in this report. Comparable figures for 1914, and summaries for each year from 1907 to 1916, except 1915, are also shown. Data were not collected for 1915.

The average full-time weekly earnings of the employees in this industry in 1916 were 6 per cent higher than in 1913 and 1914, 15 per cent higher than in 1912, 14 per cent higher than in 1911, and 16 per cent higher than in 1910.

The average full-time hours of labor per week in 1916 were the same as in 1914, 1 per cent lower than in 1913, 2 per cent lower than in 1912, and 3 per cent lower than in 1911 or 1910.

The average rate of wages (or earnings) per hour in 1916 was 6 per cent higher than in 1914, 8 per cent higher than in 1913, 16 per cent higher than in 1912 and 1911, and 19 per cent higher than in 1910. Owing to the reduction of hours, the increase in full-time weekly earnings between 1910 and 1918 was not quite so much as in rates of wages per hour.

In 1916 the average full-time weekly earnings of male employees in the selected occupations shown varied from \$16.02 for assemblers for the pulling-over machine to \$28.50 for Goodyear welters.

The full-time weekly earnings of female employees varied from \$9.93 for treers or ironers to \$13.66 for vampers.

A summary of the rates of wages and hours of labor in 1913, 1914, and 1916 in the principal occupations of the industry is presented in Table 1 which follows:

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<sup>&</sup>lt;sup>1</sup>Previous investigations of wages and hours of labor in boot and shoe manufacturing have been made and published by the Bureau, as follows: Nineteenth Annual Report, covering 1890 to 1903; Bulletin No. 59 (July, 1905), covering 1903 and 1904; Bulletin No. 65 (July, 1906), covering 1904 and 1905; Bulletin No. 71 (July, 1907) covering 1905 and 1906; Bulletin No. 77 (July, 1908), covering 1906 and 1907; Bulletin No. 134 (August, 1913), covering 1907 to 1912; Bulletin No. 154 (May, 1914), covering 1912 and 1913; and Bulletin No. 178 (August, 1915), covering 1913 and 1914.

TABLE 1.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK, AND RATES OF WAGES PER HOUR, AND AVERAGE FULL-TIME WEEKLY EARNINGS IN THE PRINCIPAL OCCUPATIONS, 1913, 1914, AND 1916.

[The figures opposite each group of years are for identical establishments. When a second line is shown for 1916 it contains all data secured for 1916 whether or not comparable data for 1914 were available.]

|  |              | Num-                           | Aver-                                  | W                 | hose     | t of e<br>full-ti<br>eek w             | imê l                          | oyees<br>nours     | A ver-                              | W                        | hose                                  |                                       | s of                            | 7 3 3 8 3 3 8 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | A verage                                       |
|--|--------------|--------------------------------|--|-------------------|----------|--|--------------------------------|--------------------|-------------------------------------|--------------------------|---------------------------------------|---------------------------------------|---------------------------------|---|--|
| Occupation, sex, and number of establishments.                   | Year.        | ber<br>of em-<br>ploy-<br>ees. | full-<br>time<br>hours<br>per<br>week. | Un-<br>der<br>54. | 54.      | Over<br>54<br>and<br>un-<br>der<br>57. | 57<br>and<br>un-<br>der<br>60. | 60<br>and<br>over. | rate<br>of<br>wages<br>per<br>hour. | Un-<br>der<br>20<br>cts. | 20<br>and<br>un-<br>der<br>30<br>ets. | 30<br>and<br>un-<br>der<br>40<br>cts. | and<br>un-<br>der<br>50<br>cts. |   | full-<br>time<br>week-<br>ly<br>earn-<br>ings. |
| CUTTING DEPARTMENT.  |              |                                |  |                   |          |  |                                |                    |                                     |                          |                                       |                                       |                                 |   |  |
| Cutters, vamp and<br>whole shoe, hand,<br>male:                  | )            |                                |  |                   |          |  |                                | ,                  |                                     |                          |                                       |                                       |                                 |   |  |
| 68 establishments  | 1913<br>1914 | 1,923<br>1,757                 | 54. 5<br>53. 8                         | 23<br>38          | 42<br>23 | 18<br><b>27</b>                        | 15<br>10                       | 3<br><b>2</b>      | \$0.352<br>.368                     | 2<br>3                   | 22<br>17                              | 53<br>49                              | 18<br>21                        |   | \$19. 10<br>19. 70                             |
| 69 establishments  | 1914<br>1916 | 1,667<br>1,790                 | 54. 1<br>54. 1                         | 35<br>33          | 24<br>27 | 26<br>26                               | 12<br>11                       | 3                  | .366<br>.379                        | 3<br>1                   | 16<br>16                              | 52<br>47                              | 20<br>26                        |   | 19. 70<br>20. 42                               |
| 113 establishments. Cutters, vamp and whole shoe, machine, male: | 1916         | 2,355                          | 53. 9                                  | 35                | 27       | 26                                     | 10                             | 3                  | .375                                | 1                        | 17                                    | 46                                    | 27                              | 9   | 20, 12   |
| 35 establishments  | 1913<br>1914 | 528<br>568                     | 55. 5<br>55. 1                         | 11<br>14          | 34<br>23 | 24<br>40                               | 24<br>22                       | 7<br>1             | .322<br>.328                        | 6<br>6                   | $\frac{32}{32}$                       | 52<br>48                              | 7<br>10                         | 3<br>3  | 17. 70<br>17. 96                               |
| 36 establishments  | 1914<br>1916 | 600<br>728                     | 55. 5<br>55. 4                         | 10<br>8           | 22<br>24 | 42<br>46                               | 26<br>21                       | 1<br>1             | . 323<br>. 325                      | 6<br>9                   | 33<br>34                              | 50<br>31                              | 8<br>24                         | 3   | 17. 84<br>17. 86                               |
| 67 establishments<br>Skivers, upper, ma-                         | 1916         | 1,059                          | 54.9                                   | 14                | 22       | 47                                     | 15                             | 2                  | . 331                               | 6                        | 30                                    | 39                                    | 22                              | 3   | 18. 07   |
| chine, male:<br>22 establishments                                | 1913<br>1914 | 123<br>107                     | 54. 3<br>54. 2                         | 9                 | 71<br>70 | 15<br>18                               | 5<br>3                         |                    | . 300                               | 11<br>10                 | 31<br>18                              | 48<br>62                              | 8<br>9                          |   | 16, 26<br>16, 47                               |
| 19 establishments  | 1914<br>1916 | 93<br>92                       | 54. 1<br>54. 1                         | 11<br>12          | 76<br>76 | 10<br>9                                | 3<br>3                         |                    | .318<br>.331                        | 3<br>2                   | 16<br>17                              | 69<br>66                              | 11<br>9                         | 1<br>5  | 17. 21<br>17. 87                               |
| 32 establishments<br>Skivers, upper, ma-                         | 1916         | 124                            | 54.6                                   | 9                 | 65       | 13                                     | 12                             | 1                  | .311                                | 7                        | 24                                    | 57                                    | 7                               | 4   | 16, 93   |
| chine, female:<br>65 establishments                              | 1913<br>1914 | 439<br>402                     |  |                   | 52<br>48 | 25<br>25                               | 13<br>5                        |                    | . 207<br>. 211                      | 48<br>47                 | 45<br>44                              | 7<br>7                                |                                 |   | 11. 29<br>11. 35                               |
| 72 establishments  | 1914<br>1916 | 418<br>466                     | 54. 1<br>54. 2                         | 22<br>18          | 45<br>52 | 27<br>25                               | 6<br>5                         |                    | . 207<br>. 205                      | 50<br>49                 | 43<br>42                              | 6<br>9                                |                                 | ·····   | 11.16<br>11.09                                 |
| 113 establishments   | 1916         | 591                            | 54.0                                   | 21                | 52       | 24                                     | 4                              |                    | . 209                               | 49                       | 40                                    | 10                                    | 1                               | 1   | 11. 26   |
| SOLE-LEATHER DEPART-<br>MENT.                                    |              |                                |  |                   |          | l                                      |                                |                    |                                     |                          |                                       |                                       |                                 |   |  |
| Cutters, outsole, male: 38 establishments                        | 1913<br>1914 | 186<br>175                     | 55. 2<br>54. 8                         | 9 6               | 45<br>50 | 23<br>33                               | 24<br>6                        | 5                  | .304<br>.313                        | 2<br>3                   | 35<br>30                              | 60<br>66                              |                                 |   | 16. 75<br>17. 12                               |
| 38 establishments  | 1914<br>1916 | 205<br>219                     | 55. 0<br>55. 0                         |                   | 42<br>43 | 43<br>41                               | 6<br>8                         | 5<br>5             |                                     | 2                        | 41<br>36                              | 57<br>64                              | (1)                             | <br>(1)   | 16. 71<br>17. 02                               |
| 64 establishments<br>Channelers, insole and                      | 1916         | 345                            | 54.7                                   | 11                | 32       | 47                                     | 6                              | 4                  | . 307                               |                          | 41                                    | 57                                    | 1                               |   | 16. 74   |
| outsole, male:<br>69 establishments                              | 1913<br>1914 | 190<br>194                     | 55. 4<br>55. 0                         | 9<br>15           | 37<br>25 | 29<br>43                               | 21<br>15                       | 4<br>2             | . 335<br>. 337                      | 2<br>3                   | 32<br>29                              | 47<br>47                              | 16<br>17                        |   | 18. 48<br>18. 51                               |
| 70 establishments  | 1914<br>1916 | 202<br>197                     | 55. 1<br>55. 2                         | 16<br>15          | 24<br>24 | 39<br>39                               | 17<br>18                       | 4<br>5             | . 328<br>. 336                      | 4<br>5                   | 31<br>26                              | • 48<br>52                            | 15<br>13                        | 2<br>4  | 18. 02<br>18. 51                               |
| 107 establishments   | 1916         | 255                            | 55.0                                   | 16                | 26       | 38                                     | 15                             | 4                  | . 340                               | 4                        | 26                                    | 51                                    | 13                              | 5   | 18.69  |

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

TABLE 1.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK, AND RATE S OF WAGES PER HOUR, AND AVERAGE FULL-TIME WEEKLY EARNINGS IN THE PRINCIPAL OCCUPATIONS, 1913, 1914, and 1916—Continued.

|   |              | Num-                           | Aver-                                  | w.                | hose     | t of e<br>full-ti<br>ek we             | me h                           |                    | A ver-                              | W                        | hose                            |                                 | s of v                                | oyees<br>vages   | Aver-  |
|---|--------------|--------------------------------|--|-------------------|----------|--|--------------------------------|--------------------|-------------------------------------|--------------------------|---------------------------------|---------------------------------|---------------------------------------|------------------|--|
| Occupation, sex, and<br>number of establish-<br>ments.            | Year.        | ber<br>of em-<br>ploy-<br>ees. | full-<br>time<br>hours<br>per<br>week. | Un-<br>der<br>54. | 54.      | Over<br>54<br>and<br>un-<br>der<br>57. | 57<br>and<br>un-<br>der<br>60. | 60<br>and<br>over. | rate<br>of<br>wages<br>per<br>hour. | Un-<br>der<br>12<br>cts. | and<br>un-<br>der<br>16<br>cts. | and<br>un-<br>der<br>20<br>cts. | 20<br>and<br>un-<br>der<br>30<br>cts. | 30 cts. and over | full-<br>time<br>week-<br>ly<br>earn-<br>ings. |
| FITTING OR STITCHING<br>DEPARTMENT.                               |              |                                |  |                   |          |  |                                |                    |                                     |                          |                                 |                                 |                                       |                  |  |
| Tip stitchers, female: 75 establishments                          | 1913<br>1914 | 329<br>328                     | 54.6<br>54.1                           |                   | 52<br>55 | 24<br>23                               | 13<br>4                        |                    | \$0.218<br>.218                     | 4<br>6                   | 17<br>13                        | 23<br>22                        | 42<br>45                              |                  | \$11.91<br>11.82                               |
| 75 establishments   | 1914<br>1916 | 326<br>326                     |  | 17<br>18          | 52<br>55 | 25<br>22                               | 5<br>5                         |                    | . 218<br>. 226                      | 6<br>4                   | 13<br>11                        | 23<br>22                        | 45<br>49                              |                  |  |
| 124 establishments<br>Backstay stitchers, fe-<br>male:            | 1916         | 442                            | 54.0                                   | 20                | 58       | 18                                     | 5                              |                    | . 231                               | 3                        | 11                              | 21                              | 48                                    | 17               | 12.45  |
| 73 establishments   | 1913<br>1914 | 379<br>399                     | 54.6<br>54.2                           |                   | 54<br>57 | 30<br>26                               |                                |                    | . 192<br>. 196                      | 6<br>8                   | 24<br>23                        | 31<br>25                        | 33<br>39                              |                  | 10.49<br>10.59                                 |
| 72 establishments   | 1914<br>1916 | 381<br>405                     | 54.3<br>54.2                           |                   | 50<br>58 |  | 5                              |                    | . 198<br>. 207                      | 8<br>8                   | 21<br>15                        | 25<br>26                        | 40<br>43                              |                  | 10.72<br>11.23                                 |
| 125 establishments<br>Lining makers, female:                      | 1916         | 575                            | 54.0                                   | 18                | 57       | 20                                     | 5                              | ļ                  | . 213                               | 7                        | 15                              | 23                              | 44                                    | 11               | 11. 47   |
| 76 establishments   | 1913<br>1914 | 833<br>804                     | 54.5<br>53.9                           |                   | 55<br>51 | 24<br>22                               |                                |                    | . 190                               | 13<br>12                 | 21<br>21                        | 25<br>27                        | 36<br>35                              |                  | 10.31<br>10.15                                 |
| 76 establishments   | 1914<br>1916 | 796<br>769                     |  |                   | 46<br>53 |  |                                |                    | . 190<br>. 200                      | 12<br>11                 | 20<br>18                        |                                 | 36<br>39                              |                  | 10. 24<br>10. 78                               |
| 126 establishments<br>Closers-on, female:                         | 1916         | 1,004                          | 53. 9                                  | 21                | 56       | 17                                     | 6                              |                    | . 198                               | 10                       | 19                              | 25                              | 39                                    | 7                | 10.69  |
| 69 establishments   | 1913<br>1914 | 337<br>325                     |  |                   |          |  |                                |                    | . 191                               | 8<br>10                  | 27<br>21                        | 25<br>26                        |                                       |                  | 10.39<br>10.36                                 |
| 51 establishments   | 1914<br>1916 | 259<br>249                     |  |                   | 48<br>61 |  | 4                              |                    | . 195<br>. 199                      | 8<br>8                   | 20<br>20                        | 27<br>26                        | 40<br>42                              |                  |  |
| 83 establishments<br>Top stitchers or under-<br>trimmers, female: | 1916         | 360                            | 53.6                                   | 26                | 63       | 8                                      | 3                              |                    | . 204                               | 8                        | 19                              | 21                              | 47                                    | 5                | 10.95  |
| 77 establishments   | 1913<br>1914 | 1,033<br>1,005                 |  |                   |          |  | 11<br>5                        |                    | .211                                | 4<br>5                   | 20<br>17                        |                                 | 45<br>45                              |                  | 11.46<br>11.39                                 |
| 77 establishments   | 1914<br>1916 | 1,004<br>1,101                 | 54. 1<br>54. 1                         |                   |          |  |                                |                    | . 212                               | 5<br>5                   | 16<br>16                        |                                 | 45<br>47                              |                  | 11.46<br>11.55                                 |
| 128 establishments. Button fasteners, fe-                         | 1916         | 1,427                          | 54.0                                   | 20                | 58       | 18                                     | 4                              |                    | .220                                | 4                        | 15                              | 22                              | 48                                    | 11               | 11.87  |
| 66 establishments   | 1913<br>1914 | 221<br>198                     | 54.7<br>53.7                           | 13<br>29          |          |  |                                |                    | . 196                               | 11<br>11                 | 25<br>21                        |                                 |                                       |                  |  |
| 60 establishments   | 1914<br>1916 | 189<br>142                     |  |                   |          |  | 5 7                            |                    | . 192                               |                          | 22<br>14                        | 30<br>25                        |                                       |                  |  |
| 94 establishments<br>Buttonhole makers, fe-                       | 1916         | 195                            | 53.8                                   | 33                | 47       | 14                                     | 6                              |                    | .211                                | 9                        | 16                              | 23                              | <b>3</b> 8                            | 14               | 11.32  |
| male:<br>71 establishments  | 1913<br>1914 | 489<br>477                     |  |                   |          |  |                                | j<br>              | . 192                               |                          |                                 |                                 |                                       |                  |  |
| 73 establishments   | 1914<br>1916 | 484<br>369                     |  |                   |          |  |                                |                    | 010                                 |                          | 25<br>12                        | 24<br>27                        |                                       | 12               | 10.55<br>11.50                                 |
| 113 establishments.   | 1916         | 466                            | 53.8                                   | 31                | . 52     | 11                                     | ι <i>ϵ</i>                     |                    | . 217                               | 8                        | 13                              | 26                              | 41                                    | 13               | 11.65  |
| Vampers, male:<br>57 establishments                               | 1913<br>1914 | 531<br>518                     |  |                   |          |  | 12                             | (1)                | .320<br>.315                        |                          | 2 2                             | 6                               |                                       |                  |  |
| 53 establishments   | 1914<br>1916 | 479<br>496                     |  |                   |          |  |                                |                    |                                     |                          | 2<br>1                          | 6                               |                                       |                  |  |
| 82 establishments   | 1916         | 624                            |  | less              |          |  |                                | ) 1<br>•           | .333                                | l                        | 1                               | . 5                             | 29                                    | 65               | 18.14  |

<sup>&</sup>lt;sup>1</sup> Less than 1 per cent.

TABLE 1.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK, AND RATES OF WAGES PER HOUR, AND AVERAGE FULL-TIME WEEKLY EARNINGS IN THE PRINCIPAL OCCUPATIONS, 1913, 1914, and 1916—Continued.

|  | <u> </u>      |                                | <u> </u>                               | i                 |          |  |                                |                    |                                     |                          |                                 |                                 | <del></del>                   |   |                                       |
|--|---------------|--------------------------------|--|-------------------|----------|--|--------------------------------|--------------------|-------------------------------------|--------------------------|---------------------------------|---------------------------------|-------------------------------|---|---------------------------------------|
|  |               | Num-                           | Aver-<br>age                           | w                 | hose     | t of e<br>full-ti<br>eek w             | me l                           |                    | Aver-                               | V                        | nose                            | t of e<br>rate<br>our v         | s of v                        | oyees<br>vages  | Aver-<br>age<br>full-                 |
| Occupation, sex, and<br>number of establish-<br>ments.               | Year.         | ber<br>of em-<br>ploy-<br>ees. | full-<br>time<br>hours<br>per<br>week. | Un-<br>der<br>54. | 54.      | Over<br>54<br>and<br>un-<br>der<br>57. | 57<br>and<br>un-<br>der<br>60. | 60<br>and<br>over, | rate<br>of<br>wages<br>per<br>hour. | Un-<br>der<br>12<br>cts. | and<br>un-<br>der<br>16<br>cts. | and<br>un-<br>der<br>20<br>cts. |                               | 30 cts. and over. 2(2) 2: 2: 2: 2: 2: 2: 2: 2: 2: 2: 2: 2: 2: | time<br>week-<br>ly<br>earn-<br>ings. |
| FITTING OR STITCHING DEPARTMENT—concld.                              |               |                                |  |                   |          |  |                                |                    |                                     |                          |                                 |                                 |                               |   |                                       |
| Vampers, female:<br>77 establishments                                | 1913<br>1914  | 1,052<br>1,037                 | 54. 6<br>53. 9                         |                   | 59<br>49 |  | 12<br>5                        |                    | \$0. 246<br>. 244                   | 1<br>2                   | 8 9                             | 18<br>19                        |                               | 20<br>21  | \$13.40<br>13.13                      |
| 75 establishments  | 1914<br>1916  | 1,027<br>1,065                 | 54.0<br>54.1                           | 25<br>22          | 46<br>54 |  | 5<br>7                         |                    | . 242<br>. 252                      | 2 2                      | 97                              | 20<br>16                        |                               | 20<br>25  | 13.06<br>13.61                        |
| 121 establishments.  | 1916          | 1,383                          | 53. 9                                  | 26                | 54       | 14                                     | 6                              |                    | . 254                               | 2                        | 6                               | 15                              | 51                            | 25  | 13.66                                 |
| LASTING DEPARTMENT.  |               |                                | -                                      |                   |          |  |                                |                    |                                     |                          | Un-<br>der<br>20<br>cts.        | 20<br>and<br>un-<br>der<br>30   | 30<br>and<br>un-<br>der<br>40 | and<br>un-<br>der<br>50                                       | 50<br>cts.<br>and<br>over.            |
| Assemblers, for pulling-<br>over machine, male:<br>54 establishments | 1913<br>1914  | 597<br>646                     | 55. 4<br>55. 2                         | 8<br>15           | 41<br>29 | 27<br>32                               | 19<br>23                       | 5<br>2             | . 272<br>. 281                      | 17<br>17                 | 49<br>41                        | 25<br>33                        | ets.                          |   | 15. 01<br>15. 45                      |
| 56 establishments  | 1914<br>1916  | 659<br>586                     | 55. 5<br>55. 1                         | 11<br>15          | 28<br>34 | 1                                      | 25<br>18                       | 4 6                | .276                                | 18<br>14                 | İ                               | 30<br>35                        | 6<br>12                       | 2 2   | 15. 24<br>16. 50                      |
| 97 establishments<br>Pullers-over, hand,<br>male:                    | 1916          | 801                            | 55. 0                                  | 13                | 34       | 34                                     | 15                             | 4                  | . 291                               | 15                       | 42                              | 31                              | 10                            | 2   | 16. 02                                |
| 47 establishments  | ·1913<br>1914 | 907<br>729                     | 55. 1<br>54. 9                         | 7<br>9            | 39<br>29 | 36<br>50                               | 17<br>11                       | 1<br>1             | . 334<br>. 350                      | 2<br>3                   | 32<br>27                        | 47<br>42                        | 17<br>21                      | 2<br>6  |                                       |
| 30 establishments  | 1914<br>1916  | 537<br>429                     | 54. 8<br>54. 8                         |                   |          | 48<br>38                               | 10<br>14                       |                    | . 357<br>. 353                      | 3<br>1                   | 25<br>25                        | 44<br>48                        | 20<br>23                      | 8<br>4  | 19. 52<br>19. 33                      |
| 46 establishments<br>Pullers-over, machine,<br>male:                 | 1916          | 543                            | 54.8                                   | 12                | 35       | 41                                     | 11                             |                    | . 347                               | 1                        | 28                              | 46                              | 20                            | 4   | 18.9 <b>9</b>                         |
| 59 establishments  | 1913<br>1914  | 421<br>396                     | 55. 4<br>55. 3                         | 6<br>11           | 43<br>27 | 27<br><b>3</b> 9                       | 18<br>20                       | 6                  | . 352<br>. 360                      | 3<br>3                   |                                 | 48<br>43                        |                               | 5<br>7  | 19. 45<br>19. 87                      |
| 63 establishments  | 1914<br>1916  | 410<br>421                     |  | 9<br>12           | 26<br>28 |  | 23<br>19                       | 4<br>5             | . 353<br>. 382                      | 3                        | 26<br>21                        | 42<br>33                        | 23<br>30                      | 6<br>14   |                                       |
| 116 establishments<br>Side lasters, hand, male:                      | 1916          | 640                            | 55.0                                   | 13                | 27       | 43                                     | 14                             | 4                  | . 377                               | 2                        | 21                              | 38                              | 28                            | 12  | 20. 7 <b>0</b>                        |
| 20 establishments  | 1913<br>1914  | 224<br>237                     | 54. 2<br>54. 0                         | 43<br>50          |          | 24<br>27                               | 6<br>4                         | ···(i)             | . 303                               | 6<br>10                  | 46<br>35                        | 39<br>45                        | 8<br>9                        | 2<br>2  | 16. 40<br>16. 59                      |
| 16 establishments  | 1914<br>1916  | 217<br>179                     | 53. 6<br>54. 2                         | 61<br>55          | 3<br>4   | 28<br>30                               | 6<br>8                         | 1<br>3             | .304<br>.315                        | 12<br>4                  | 37<br>42                        | 37<br><b>40</b>                 | 12<br>9                       | 3<br>4  | 16. 20<br>17. 02                      |
| 40 establishments<br>Side lasters, machine,                          | 1916          | 358                            | 54.1                                   | 37                | 29       | 27                                     | 5                              | 1                  | . 325                               | 6                        | 37                              | 38                              | 13                            | 6   | 17. 57                                |
| male:<br>16 establishments   | 1913<br>1914  | 155<br>167                     | 56. 1<br>54. 3                         | 19                | 41<br>35 | 22<br>32                               | 34<br>11                       | 4                  | . 323<br>. 343                      | 6<br>5                   | 39<br>29                        | 35<br>38                        | 17<br>25                      | 3<br>4  | 18. 23<br>18. 54                      |
| 17 establishments  | 1914<br>1916  | 153<br>158                     | 55. 0<br>54. 8                         |                   |          | 29<br>32                               | 9<br>8                         | 5<br>3             | . 341                               | 5<br>3                   | 27<br>28                        | 44<br>47                        | 20<br>20                      | 4<br>3  | 18. 69<br>18. 48                      |
| 45 establishments  | 1916          | 291                            | 54.9                                   | 12                | 33       | 43                                     | 9                              | 4                  | . 339                               | 3                        | 29                              | 48                              | 16                            | 4   | 18. 53                                |

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

TABLE 1.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK, AND RATES OF WAGES PER HOUR, AND AVERAGE FULL-TIME WEEKLY EARNINGS IN THE PRINCIPAL OCCUPATIONS, 1913, 1914, and 1916—Continued.

|  |              | Num-                           | Aver-                                  | w                 | hose     | t of e<br>full-t<br>eek w              | ime l                          |                    | Aver-                               | W                        | cen<br>hose                     | rate                                  | s of v                          | 50 cts. and over. 33 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 | Average                               |
|--|--------------|--------------------------------|--|-------------------|----------|--|--------------------------------|--------------------|-------------------------------------|--------------------------|---------------------------------|---------------------------------------|---------------------------------|--|---------------------------------------|
| Occupation, sex, and<br>number of establish-<br>ments.             | Year.        | ber<br>of em-<br>ploy-<br>ees. | full-<br>time<br>hours<br>per<br>week. | Un-<br>der<br>54. | 54.      | Over<br>54<br>and<br>un-<br>der<br>57. | 57<br>and<br>un-<br>der<br>60. | 60<br>and<br>over. | rate<br>of<br>wages<br>per<br>hour. | Un-<br>der<br>20<br>cts. | and<br>un-<br>der<br>30<br>ets. | 30<br>and<br>un-<br>der<br>40<br>ets. | and<br>un-<br>der<br>50<br>ets. |  | time<br>week-<br>ly<br>earn-<br>ings. |
| LASTING DEPARTMENT—concluded.                                      |              |                                |  |                   |          | <br>                                   |                                |                    |                                     |                          |                                 |                                       |                                 |  |                                       |
| Bed-machine operators,   |              |                                |  |                   |          |  |                                |                    |                                     |                          |                                 |                                       |                                 |  |                                       |
| male:<br>60 establishments   | 1913<br>1914 | 1,185<br>1,117                 | 55. 1<br>54. 9                         | 10<br>15          | 42<br>32 |  | 15<br>12                       | 3 2                | \$0.331<br>.322                     | 3<br>5                   | 35<br>34                        | 45<br>45                              |                                 |  | \$18. 21<br>17. 68                    |
| 64 establishments  | 1914<br>1916 | 1,113<br>1,092                 | 55. 0<br>55. 1                         | 15<br>18          | 32<br>28 | 36<br>36                               | 13<br>13                       | 3<br>5             | . 319<br>. 351                      | 5<br>4                   |                                 | 45<br>44                              | 12<br>21                        |  | 17. 52<br>19. 31                      |
| 93 establishments<br>Hand - method lasting-<br>mach ine operators, | 1916         | 1,336                          | 55.0                                   | 17                | 31       | 37                                     | 12                             | 4                  | . 349                               | 3                        | 28                              | 43                                    | 20                              | 6  | 19. 13                                |
| male:<br>35 establishments   | 1913<br>1914 | 402<br>418                     | 55, 2<br>55, 2                         | 3<br>10           | 44<br>16 | 34<br>51                               | 13<br>20                       | 6<br><b>3</b>      | . 355<br>. 349                      | 2<br>3                   | 23<br>28                        | 49<br>42                              |                                 |  |                                       |
| 32 establishments  | 1914<br>1916 | 372<br>372                     |  | 7<br>6            | 12<br>27 | 47<br>41                               | 31<br>23                       | 3                  |                                     | 2 2                      | 28<br>27                        | 48<br>42                              |                                 |  |                                       |
| 66 establishments<br>Turn lasters, hand,                           | 1916         | 556                            | 55. 1                                  | 10                | 24       | 47                                     | 17                             | 2                  | . 361                               | 2                        | 24                              | 44                                    | 23                              | 8  | 19.82                                 |
| male:<br>26 establishments   | 1913<br>1914 | 499<br>630                     | 55.0<br>54.4                           | 28<br>29          | 24<br>11 | 13<br>47                               | 30<br>8                        | 5<br>5             | .307<br>.322                        | 5<br>8                   | 40<br>37                        | 48<br>35                              |                                 |  | 16. 81<br>17. 45                      |
| 29 establishments  | 1914<br>1916 | 681<br>733                     | 54. 4<br>54. 9                         | 29<br>23          | 10<br>12 |  | 8<br>19                        | 5<br>1             | . 325<br>. 354                      | 7 2                      | 37<br>33                        | 35<br>34                              |                                 |  | 17. 60<br>19. 46                      |
| 42 establishments<br>Turn sewers, machine,                         | 1916         | 974                            | 54. 3                                  | 21                | 16       | 44                                     | 17                             | 1                  | . 365                               | 2                        | 30                              | 33                                    | 24                              | 12   | 20.07                                 |
| male:<br>17 establishments   | 1914<br>1916 | 48<br>52                       |  | 29<br>31          | 8<br>6   |  | 6<br>6                         |                    | . 401<br>. 408                      | <u>.</u>                 | 4<br>38                         | 50<br>15                              |                                 |  | 21. 54<br>21. 93                      |
| 29 establishments  | 1916         | 81                             | 54.4                                   | 23                | 17       | 47                                     | 12                             |                    | . 442                               | 1                        | <b>2</b> 6                      | 15                                    | 25                              | 33   | 24.00                                 |
| BOTTOMING DEPART-<br>MENT.   |              |                                |  |                   |          |  |                                |                    |                                     |                          |                                 |                                       |                                 |  |                                       |
| Good year welters, male: 66 establishments                         | 1913<br>1914 | 458<br>418                     |  | 10<br>11          | 41<br>35 | 30<br>40                               | 16<br>12                       | 3<br>1             |                                     | (¹)                      | 5<br>5                          | 17<br>16                              |                                 |  | 27. 71<br>27. 90                      |
| 67 establishments  | 1914<br>1916 | 417<br>410                     | 55. 1<br>55. 1                         | 12<br>15          | 35<br>33 | 37<br>35                               | 14<br>13                       | 3<br>4             |                                     | (1)                      | 5<br>7                          | 16<br>12                              |                                 |  | 27. 85<br>28. 49                      |
| 89 establishments<br>Rough rounders, male:                         | 1916         | 467                            | 54. 9                                  | 16                | 34       | 33                                     | 12                             | 4                  | . 520                               | 1                        | 7                               | 13                                    | 24                              | 56   | 28. 50                                |
| 67 establishments  | 1913<br>1914 | 261<br>240                     | 55. 2<br>54. 9                         | 10<br>14          | 38<br>30 |  | 17<br>11                       | 3 2                |                                     | (1)                      | 6<br>5                          |                                       |                                 | 44<br>48   | 27. 35<br>27. 74                      |
| 67 establishments  | 1914<br>1916 | 243<br>245                     |  | 14<br>16          | 30<br>29 |  | 13<br>13                       | 4                  |                                     | ···i                     | 5<br>9                          | 19<br>20                              |                                 | 45<br>46   | 27. 52<br>27. 64                      |
| 91 establishments<br>Good year stitchers,                          | 1916         | 296                            | 54.9                                   | 18                | 31       | 35                                     | 12                             | 4                  | . 491                               | 1                        | 9                               | 21                                    | 24                              | 44   | 26. 89                                |
| male:<br>67 establishments   | 1913<br>1914 | 633<br>569                     |  | 9<br>13           | 42<br>33 | 29<br>41                               | 17<br>12                       | 2                  | .398<br>.413                        | 1<br>1                   | 20<br>17                        | 38<br>35                              |                                 | 18<br>21   | 21.87<br>22.65                        |
| 65 establishments  | 1914<br>1916 | 559<br>557                     |  |                   | 34<br>34 |  | 13<br>12                       | 2<br>4             |                                     | (¹)                      | 17<br>13                        |                                       |                                 | 20<br>26   |                                       |
| 97 establishments  | 1916         | 656                            | 54.8                                   | 17                | 35       | 33                                     | 12                             | 3                  | . 437                               | (1)                      | 12                              | 28                                    | 33                              | 27   | 23.87                                 |

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

TABLE 1.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK, AND RATES OF WAGES PER HOUR, AND AVERAGE FULL-TIME WEEKLY EARNINGS IN THE PRINCIPAL OCCUPATIONS, 1913, 1914, and 1916—Continued.

|  |              | Num-                           | Aver-                                  | w                 | hose       | t of e<br>full-ti<br>eek w             | me l                           | oyees              | Aver-                               | W                        | rhos€                                 | rate                                  | empl<br>es of v<br>vere               | oyees<br>vages    | A ver-   |
|--|--------------|--------------------------------|--|-------------------|------------|--|--------------------------------|--------------------|-------------------------------------|--------------------------|---------------------------------------|---------------------------------------|---------------------------------------|-------------------|--|
| Occupation, sex, and<br>number of establish-<br>ments. | Year.        | ber<br>of em-<br>ploy-<br>ees. | full-<br>time<br>hours<br>per<br>week. | Un-<br>der<br>54. | 54.        | Over<br>54<br>and<br>un-<br>der<br>57. | 57<br>and<br>un-<br>der<br>60. | 60<br>and<br>over. | rate<br>of<br>wages<br>per<br>hour. | Un-<br>der<br>20<br>cts. | 20<br>and<br>un-<br>der<br>30<br>ets. | 30<br>and<br>un-<br>der<br>40<br>ets. | 40<br>and<br>un-<br>der<br>50<br>cts. | 50 cts. and over. | full-<br>time<br>week-<br>ly<br>earn-<br>ings. |
| BOTTOMING DEPART-<br>MENT—continued.                   |              |                                |  |                   |            |  |                                |                    |                                     |                          |                                       |                                       |                                       | _                 |  |
| McKay sewers, male: 32 establishments                  | 1913<br>1914 | 128<br>130                     | 55. 5<br>55. 5                         | 4<br>12           | 27<br>5    | 49<br>57                               | 16<br>24                       | 3                  | \$0.319<br>.343                     | 7 9                      | 37<br>28                              | 37<br>37                              | 17<br>17                              | 2<br>9            | \$17.68<br>19.00                               |
| 30 establishments                                      | 1914<br>1916 | 123<br>136                     | 55. 7<br>55. 7                         | 12<br>13          | 6<br>17    |  | 14<br>24                       | 4<br>9             | .327<br>.341                        | 10<br>3                  | 28<br>32                              | 43<br>41                              | 14<br>20                              | 5<br>4            |  |
| 61 establishments                                      | 1916         | 210                            | 55. 2                                  | 14                | 20         | 42                                     | 18                             | 6                  | . 349                               | 3                        | 27                                    | 42                                    | 20                                    | 8                 | 19. 5 <b>1</b>                                 |
| Heelers, male:<br>72 establishments                    | 1913<br>1914 | 291<br>293                     | 55. 3<br>55. 1                         | 7<br>15           | 42<br>24   |  | 19<br>16                       |                    |                                     | 1 2                      | 17<br>23                              | 29<br>29                              | 22<br>21                              | 31<br>24          |  |
| 76 establishments                                      | 1914<br>1916 | 305<br>323                     | 55. 3<br>55. 3                         | 15<br>15          | 24<br>25   | 38<br>36                               | 19<br>18                       | 5<br>6             |                                     | 2<br>2                   | 22<br>15                              | 28<br>36                              | 23<br>20                              | 24<br>28          |  |
| 130 establishments<br>Heel trimmers or shav-           | 1916         | 440                            | 55.0                                   | 18                | <b>2</b> 6 | 37                                     | 15                             | 5                  | . 430                               | 2                        | 15                                    | 35                                    | 20                                    | 29                | 23. 59   |
| ers, male:<br>77 establishments                        | 1913<br>1914 | 271<br>262                     | 55. 3<br>55. 1                         | 11<br>16          | 33<br>19   |  | 20<br>15                       | 3 2                | . 443<br>. 439                      | 3                        | 17<br>13                              | 26<br>28                              | 20<br>30                              | 35<br>27          | 24. 46<br>24. 14                               |
| 75 establishments                                      | 1914<br>1916 | 258<br>284                     | 55. 2<br>55. 0                         |                   | 20<br>23   | 43<br>39                               | 17<br>14                       | 3<br>5             |                                     | 3 2                      | 14<br>14                              | 31<br>26                              | 29<br>24                              | 23<br>34          |  |
| 121 establishments<br>Heel breasters, male:            | 1916         | 367                            | 54.9                                   | 20                | 24         | 40                                     | 12                             | 4                  | . 449                               | 2                        | 15                                    | 26                                    | 25                                    | 33                | 24. 55   |
| 73 establishments                                      | 1913<br>1914 | 167<br>161                     | 55. 4<br>55. 2                         | 10<br>14          | 34<br>22   |  | 19<br>17                       | 4 2                | .310                                |                          | 35<br>38                              | 30<br>30                              | 14<br>13                              | 5<br>4            |  |
| 70 establishments                                      | 1914<br>1916 | 157<br>176                     | 55. 3<br>54. 9                         |                   | 22<br>24   |  | 20<br>11                       | 3<br>6             |                                     | 16<br>15                 | 38<br>27                              | 31<br>40                              | 12<br>16                              | 3                 |  |
| 111 establishments<br>Edge trimmers, male:             | 1916         | 232                            | 54.8                                   | 17                | 25         | 43                                     | 10                             | ā                  | . 319                               | 14                       | . 30                                  | 37                                    | 14                                    | . 5               | 17. 50   |
| 77 establishments                                      | 1913<br>1914 | 815<br>839                     |  |                   | 39<br>26   |  | 17<br>15                       | 4 2                |                                     | 1 2                      | 16<br>15                              |                                       | 32<br>29                              | 18<br>18          |  |
| 77 establishments                                      | 1914<br>1916 | 827<br>835                     | 55. 1<br>55. 1                         | 14<br>15          | 27<br>28   |  | 16<br>15                       | 3                  |                                     | 2<br>2                   | 16<br>13                              | 38<br>31                              | 28<br>29                              | 16<br>25          |  |
| 129 establishments<br>Edge setters, male:              | 1916         | 1,081                          | 54.9                                   | 16                | 29         | 40                                     | 12                             | 3                  | . 423                               | 2                        | 13                                    | 32                                    | 30                                    | 24                | 23. 16   |
| 77 establishments                                      | 1913<br>1914 | 826<br>827                     | 55. 3<br>55. 1                         | 8<br>16           |            |  | 19<br>15                       | 3 2                |                                     | 1                        | 13<br>11                              | 34<br>37                              | 33<br>35                              | 19<br>15          |  |
| 78 establishments                                      | 1914<br>1916 | 819<br>770                     |  | 17<br>17          | 23<br>25   | 40<br>39                               | 16<br>15                       | 4                  |                                     | 1                        | 12<br>13                              |                                       | 36<br>29                              | 14<br>21          | 22. 27<br>22. 65                               |
| 131 establishments<br>Heel scourers, male:             | 1916         | 966                            | 54.9                                   | 18                | 27         | 39                                     | 13                             | 3                  | . 414                               | 1                        | 12                                    | 38                                    | 28                                    | 21                | 22. 62   |
| 76 establishments                                      | 1913<br>1914 | 360<br>345                     |  | 10<br>15          | 34<br>23   | 34<br>44                               | 18<br>17                       | 5 2                | .313                                | 12<br>11                 | 38<br>42                              | 33<br>29                              |                                       | 3<br>8            |  |
| 76 establishments                                      | 1914<br>1916 | 351<br>384                     | 55. 0<br>55. 2                         |                   | 22<br>25   |  | 18<br>16                       |                    |                                     |                          | 45<br>33                              | 31<br>32                              | 8<br>25                               | 7                 |  |
| 125 establishments<br>Heel burnishers, male:           | 1916         | 504                            | 55.0                                   | 18                | <b>2</b> 6 | 39                                     | 13                             | 4                  | .346                                | 6                        | 32                                    | 33                                    | 23                                    | 6                 | 18. 94   |
| 75 establishments                                      | 1913<br>1914 | 280<br>261                     |  |                   |            |  |                                |                    |                                     | 12<br>7                  | 34<br>40                              | 36<br>35                              |                                       | 7                 |  |
| 75 establishments                                      | 1914<br>1916 | 262<br>261                     |  |                   | 23<br>26   |  |                                | 5                  | .315<br>.331                        |                          | 41<br>35                              | 37<br>33                              | 11<br>20                              | 3 4               |  |
| 127 establishments                                     | 1916         | 367                            | 55.2                                   | 13                | 27         | d 30                                   | 25                             | l E                | .325                                | i 8                      | 39                                    | 32                                    | 17                                    | ۱ 4               | 17, 84   |

1 Less than 1 per cent.

Table 1.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK, AND RATES OF WAGES PER HOUR, AND AVERAGE FULL-TIME WEEKLY EARNINGS IN THE PRINCIPAL OCCUPATIONS, 1913, 1914, and 1916—Concluded.

| Coccupation, sex, and mumber of establishments.   1913   1.5   1 |                          |       |                 |                      |          |          | •                 |                   |          |                    |           |                         |                         |                         |        |                              |
|--|--------------------------|-------|-----------------|----------------------|----------|----------|-------------------|-------------------|----------|--------------------|-----------|-------------------------|-------------------------|-------------------------|--------|------------------------------|
| Number of establishments.   Pear,    |                          |       |                 |                      | w        | hose     | full-ti           | me l              | ours     | age                | W         | hose                    | rate                    | s of v                  | vages  | age                          |
| MENT—concluded.         Buffers, male:         72 establishments         1913         358         55.3         6         35         37         17         5 80. 318         8         37         39         13         3 \$17. 52           72 establishments         1914         370         55. 2         13         20         45         18         3         306         12         35         41         19         3         16. 89           129 establishments         1916         356         55. 2         12         23         46         16         4         .324         5         36         41         16         2         17.88           129 establishments         1916         535         54.9         13         27         46         12         3         .327         6         37         39         16         3         17.92           Finishing Departments         1913         1,100         55.3         11         37         29         19         4         .282         15         46         32         5         1         15.54         1         29         39         15         2         .281         17         44         31 </td <td>number of establish-</td> <td>Year.</td> <td>of em-<br/>ploy-</td> <td>time<br/>hours<br/>per</td> <td>der</td> <td>54.</td> <td>and<br/>un-<br/>der</td> <td>and<br/>un-<br/>der</td> <td>and</td> <td>of<br/>wages<br/>per</td> <td>der<br/>20</td> <td>and<br/>un-<br/>der<br/>30</td> <td>and<br/>un-<br/>der<br/>40</td> <td>and<br/>un-<br/>der<br/>50</td> <td>cts.</td> <td>time<br/>week-<br/>ly<br/>earn-</td>  | number of establish-     | Year. | of em-<br>ploy- | time<br>hours<br>per | der      | 54.      | and<br>un-<br>der | and<br>un-<br>der | and      | of<br>wages<br>per | der<br>20 | and<br>un-<br>der<br>30 | and<br>un-<br>der<br>40 | and<br>un-<br>der<br>50 | cts.   | time<br>week-<br>ly<br>earn- |
| 72 establishments 1914   3588   55.3   6   35   370   55.2   13   20   49   16   2   310   13   34   40   11   4   17.06    72 establishments 1914   364   55.3   13   20   45   18   3   306   12   35   41   16   2   17.88    129 establishments 1916   535   54.9   13   27   46   12   3   327   6   37   39   16   3   17.92    FINISHING DEPARTMENT.  Treers or ironers, hand, male:  70 establishments 1913   1,100   55.3   11   37   29   19   4   282   15   46   32   5   1   15.54    67 establishments 1914   1,095   55.3   14   30   35   15   2   281   17   44   31   5   2   15.45    67 establishments 1914   1,095   55.3   14   30   35   15   3   297   10   45   35   7   3   16.31    Treers or ironers, hand, female:  12 establishments 1913   110   54.6   18   55   55   26   55   15   46   32   5   1   15.54    13 establishments 1914   107   52.1   76   18   57   571   28   1   57   29   30   30    11 establishments 1916   144   53.1   55   37   8       158   86   12   2     8.56    15 establishments 1916   144   53.1   55   37   8       158   55   44   1       9.06    16 error or ironers, Aland, female:  17 establishments 1916   144   53.1   55   37   8       158   55   44   1       9.06    18 establishments 1916   144   53.1   55   37   8       158   55   44   1       9.06    19 establishments 1916   144   53.1   55   37   8       158   55   44   1       9.06    13 establishments 1916   144   53.1   55   37   8       158   55   44   1       9.06    15 establishments 1916   144   15.02   55.0   17   29   37   13   4   243   9   13   16   36   26   13   32   30   30   0    135 establishments 1916   14,502   54.0   23   53   17   6   (1)   1.67   25   25   23   24   3   9.00    14  establishments 1914   11,502   54.0   23   53   17   6   (1)   1.67   25   25   23   24   25   25   23   24   3   9.00    15  establishments 1916   14,502   54.0   23   53   17   6   (1)   1.67   2   |                          |       |                 |                      |          |          |                   |                   |          |                    |           |                         |                         |                         |        |                              |
| 1916   359   55.2   12   23   46   16   4   .324   5   36   41   16   2   17.88  |                          |       |                 |                      | 6<br>13  | 35<br>20 |                   |                   |          |                    |           |                         |                         |                         |        |                              |
| FINISHING DEPARTMENT.  Treers or ironers, hand, male: 70 establishments  1913 1,100 55.3 11 37 29 19 4 .282 15 46 32 5 1 15.54 5 2 15.45 67 establishments  1914 1,095 55.1 14 29 39 15 2 .281 17 44 31 5 2 15.45 67 establishments  1916 1,038 55.1 18 33 31 15 3 .295 10 46 34 6 31 6 3 16.24  109 establishments  1916 1,307 55.0 18 33 33 12 3 .297 10 45 35 7 3 16.31  Female: 12 establishments  1914 110 52.2 72 216 175 71 28 11 9.06 11 establishments  1916 111 52.9 59 31 11 183 59 41 11 9.06  OTHER EMPLOYEES (ALL DEPARTMENTS).  Male: 81 establishments 1914 196 196 196 196 196 196 196 196 196 196  | 72 establishments        |       |                 |                      | 13<br>12 |          |                   |                   |          |                    |           |                         |                         |                         | 3<br>2 |                              |
| Treers or ironers, hand, male: 70 establishments 1913 1,100 55.3 114 29 39 15 2.281 17 44 31 5 21 15.45 67 establishments 1914 1,095 55.1 14 29 39 15 2.281 17 44 31 5 21 15.45 67 establishments 1914 1,095 55.1 14 30 35 17 3.279 18 44 31 5 21 15.39 1916 1,038 55.1 18 33 31 15 3.295 10 46 34 6 31 6.24 109 establishments 1916 1,307 55.0 18 33 33 12 3.297 10 45 35 7 3 16.31 Treers or ironers, hand, female: 12 establishments 1913 110 54.6 18 55 26 158 86 12 2 8.56 12 2 8.56 12 2 8.56 12 2 8.56 15 18 36 1914 112 52.2 72 21 6 174 71 29 9.06 15 establishments 1914 110 52.9 59 31 11 9.06 15 establishments 1916 144 53.1 55 37 8 188 55 44 1 9.93  OTHER EMPLOYEES (ALL DEPARTMENTS).  Male: 81 establishments 1914 196,667 197,001 55.1 16 29 35 16 4 222 10 16 18 36 19 12 28 10 16 18 36 19 12 28 39 30 30 30 30 30 30 30 30 30 30 30 30 30  | 129 establishments       | 1916  | 535             | 54.9                 | 13       | 27       | 46                | 12                | 3        | .327               | 6         | 37                      | 39                      | 16                      | 3      | 17.92                        |
| male:         70 establishments       1913       1,100       55.3       11       37       29       19       4       .282       15       46       32       5       1       15.54         67 establishments       1914       1,095       55.3       14       30       35       17       3       .279       18       44       31       5       2       15.39         109 establishments       1916       1,038       55.1       18       33       31       15       3       .295       10       46       34       6       3       16.24         109 establishments       1916       1,307       55.0       18       33       33       12       3       .297       10       45       35       7       3       16.31         Treers or ironers, hand, female:       1914       112       54.6       18       55        26        158       86       12       2        8.56       13       19       9.06       11       18       11       15.54       18       7         175       71       28       1        9.06   | FINISHING DEPARTMENT.    |       |                 |                      |          |          |                   |                   |          |                    |           |                         |                         |                         |        |                              |
| 70 establishments 1913 1,100 55.3 11 37 229 19 4 .282 15 46 32 5 15.45 67 establishments 1914 1,095 55.1 14 29 39 15 2 .281 17 44 31 5 2 15.45 67 establishments 1914 1,095 55.1 18 33 31 15 3 .295 10 46 34 6 31 5 2 15.39 10 6 31 6 34 6 31 6 24 109 establishments 1916 1,307 55.0 18 33 31 12 3 .297 10 45 35 7 3 16.31 10 12 establishments 1913 110 54.6 18 55 26 158 86 12 2 8.56 12 12 8.56 12 8.56 12 12 8.56 12 12 8.56 12 12 8.56 12 8.56 12 12 8.56 12 8.56 12 12 8.56 12 8.56 12 12 8.56 12 8.5  |                          |       |                 |                      |          |          |                   |                   |          |                    |           |                         | ٠.                      |                         |        |                              |
| 1916   |                          |       | 1,100<br>1,109  | 55.3<br>55.1         |          |          | 29<br>39          |                   | 4 2      | . 282<br>. 281     |           |                         |                         | <b>5</b>                | 1<br>2 |                              |
| Treers or ironers, hand, female: 12 establishments 1913 110 54.6 112 52.2 72 21 6 174 71 29 9.06 11 establishments 1914 1916 111 52.9 59 31 11 183 59 41 1 9.06 15 establishments 1916 144 53.1 55 37 8 188 55 44 1 9.06 0THER EMPLOYEES (ALL DEPARTMENTS).  Male: 81 establishments 1914 19,667 55.1 16 24 40 17 4 223 10 16 18 36 19 12 2 8.56 12 2 9.06 1.158 86 12 2 9.06 1.158 86 12 2 9.06 1.158 86 12 2 9.06 1.158 86 12 2 9.06 1.158 1 9.06 1.158 1 9.06 1.158 1 9.06 1.158 1 9.06 1.158 1 9.06 1  | 67 establishments        |       | 1,095<br>1,038  | 55. 3<br>55. 1       |          |          |                   |                   | 3        | . 279<br>. 295     |           |                         |                         |                         |        |                              |
| 12 establishments.   | Treers or ironers, hand, | 1916  | 1,307           | 55.0                 | 18       | 33       | 33                | 12                | 3        | . 297              | 10        | 45                      | 35                      | 7                       | 3      | 16.31                        |
| 1916   111   52.9   59   31   11       .183   59   41   1       9.66     15 establishments   1916   144   53.1   55   37   8       .188   55   44   1       9.93     OTHER EMPLOYEES (ALL DEPARTMENTS).   Male:   81 establishments   1914   19.667   19.67   15.1   16   29   35   16   4   .242   9   13   16   36   26   13.32     135 establishments   1916   24,010   55.0   17   29   37   13   4   .243   9   13   16   36   26   13.35     136 establishments   1916   24,010   55.0   17   29   37   13   4   .243   9   13   16   36   26   13.35     136 establishments   1916   19.501   55.0   17   29   37   13   4   .243   9   13   16   36   26   13.35     137 establishments   1916   19.501   55.0   17   29   37   13   4   .243   9   13   16   36   26   13.35     148 establishments   1916   19.501   55.0   17   29   37   13   4   .243   9   13   16   36   26   13.35     158 establishments   1916   24,010   55.0   17   29   37   13   4   .243   9   13   16   36   26   13.35     159 establishments   1916   19.501   19.50  |                          |       |                 | 54. 6<br>52. 2       | 18<br>72 |          | 6                 |                   |          |                    |           |                         |                         |                         |        |                              |
| OTHER EMPLOYEES (ALL DEPARTMENTS).  Male: Si establishments 1914 19, 667 19, 001 55. 1 16 24 40 17 4 222 10 16 18 36 19 12.28 135 establishments 1916 19, 001 55. 0 17 29 37 13 4 243 9 13 16 36 26 13.35 17 6 (1) 167 25 25 23 24 3 9.00 11, 566 54. 0 23 53 17 7 176 22 24 22 28 5 9.48  | 11 establishments        |       |                 |                      | 76<br>59 | 18<br>31 |                   |                   |          |                    |           |                         |                         | <br>                    |        |                              |
| OTHER EMPLOYEES (ALL DEPARTMENTS).  Male: 81 establishments 1914 19,667 55.1 16 24 40 17 4 .223 10 16 18 36 29 13 15 25 25 23 24 3 9.00 1916 11,556 54.0 23 53 17 7 176 22 24 22 28 5 9.48   | 15 establishments        | 1916  | . 144           | 53.1                 | 55       | 37       | 8                 | <b></b> .         | <b>.</b> | .188               | 55        | 44                      | 1                       |                         |        | 9.93                         |
| 81 establishments     1914   19, 687   196   16,001     55.1   16   24   40   17   4   .222   10   16   18   36   19   12.28       135 establishments     1916   24,010   55.0   17   29   37   13   4   .243   9   13   16   36   26   13.35       Female:     80 establishments     1914   11,502   54.0   23   53   17   7     176   25   22   24   22   28   5   9.48  |                          |       |                 |                      |          |          |                   |                   |          |                    | der<br>12 | and<br>un-<br>der<br>16 | and<br>un-<br>der<br>20 | and<br>un-<br>der<br>30 | cts.   | :                            |
| Female: 80 establishments 1914 11,502 54.0 23 53 17 6 (1) .167 25 25 23 24 3 9.00 11,556 54.0 23 53 17 7 176 22 24 22 28 5 9.48  |                          |       |                 |                      |          | 24<br>29 | 40<br>35          | 17<br>16          |          |                    |           |                         |                         |                         |        |                              |
| 80 establishments   1914   11,502   54.0   23   53   17   6   (1)   .167   25   25   23   24   3   9.00   1916   11,556   54.0   23   53   17   7     .176   22   24   22   28   5   9.48  | 135 establishments       | 1916  | 24,010          | 55.0                 | 17       | 29       | 37                | 13                | 4        | . 243              | 9         | 13                      | 16                      | 36                      | 26     | 13.35                        |
| 134 establishments 1916   14,851   53.8   24   55   16   5     .179   20   23   23   28   5   9.62   |                          |       |                 |                      |          | 53<br>53 | 17<br>17          |                   | (1)      |                    |           | 25<br>24                | 23<br>22                | 24<br>28                | 3<br>5 |                              |
|  | 134 establishments       | 1916  | 14,851          | 53.8                 | 24       | 55       | 16                | 5                 |          | . 179              | 20        | 23                      | 23                      | 28                      | 5      | 9.62                         |

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

As wages and hours differ in different establishments, the inclusion or exclusion of any establishment in a group may raise or lower the average for the group, so that exact comparisons can not be made between the actual wages shown for different years unless the data for the several years are from identical establishments. To illustrate: In the last column of Table 1, under cutters, vamp and whole shoe, machine, it will be seen that the full-time weekly earnings of employees in 35 establishments increased from \$17.70 in 1913 to \$17.96 in 1914. In 36 establishments the earnings were \$17.84 in 1914 and \$17.86 in 1916. Thus by the addition of one establishment, the average for 1914 was changed from \$17.96 to \$17.84. Therefore it would not be a correct comparison to state that the earnings had increased from \$17.70 in 1913 to \$17.86 in 1916.

To aid in making comparisons where the establishments change more or less from year to year, relative or index numbers have been computed for full-time hours per week, rates of wages per hour, and full-time weekly earnings for each occupation and for the industry, for the years 1910 to 1916, inclusive. These relative numbers, which are based on the averages shown in General Table A, are presented in Table 2, and are simply percentages in which the figures for 1916 are taken as the base, or 100 per cent. Thus the facts for each preceding year are brought into direct comparison with the facts for the latest year available, namely, 1916. The index numbers for the industry as a whole appear at the end of Table 2.

TABLE 2.—RELATIVE FULL-TIME HOURS PER WEEK, RATES OF WAGES PER HOUR, AND FULL-TIME WEEKLY EARNINGS, 1910 TO 1916, TOGETHER WITH PER CENT OF INCREASE OR DECREASE IN SPECIFIED YEARS, IN THE PRINCIPAL OCCUPATIONS, AND THE INDUSTRY.

|  | Ноі  | ırs per w   | eek.   | Waş  | ges per h   | our.   | Wee   | kly earn  | ings.  |
|--|--|---|--|--|---|--|---|---|--|
|  | Rela-  | increase  | se (-)   | Rela-  | increase  | ent of<br>e(+) or<br>se(-)                                       | Rela-   | increase  | ent of<br>e (+) or<br>se (-)   |
| Occupation, sex, and year.   | full-<br>time<br>hours<br>per<br>week<br>(1916—<br>100). | 1916<br>as com-<br>pared<br>with<br>each<br>speci-<br>fied<br>year. | Each specified year as compared with year preceding. | tive<br>rate of<br>wages<br>per<br>hour<br>(1916—<br>100). | 1916<br>as com-<br>pared<br>with<br>each<br>speci-<br>fied<br>year. | Each specified year as compared with year preceding.             | full-<br>time<br>weekly<br>earn-<br>ings<br>(1916=<br>100). | 1916<br>as com-<br>pared<br>with<br>each<br>speci-<br>fied<br>year. | Each<br>speci-<br>fied<br>year<br>as com<br>pared<br>with<br>year<br>pre-<br>ceding. |
| CUTTING DEPARTMENT.  |  |   |  |  | [   |  |   |   |  |
| Cutters, vamp and whole shoe, hand, male: 1910                             | 104<br>104<br>102<br>101<br>100<br>100                   | -4<br>-4<br>-2<br>-1<br>(1)   | (1)<br>-2<br>-1<br>-1<br>(1)                         | 83<br>82<br>85<br>92<br>97<br>100                          | +20<br>+22<br>+18<br>+ 9<br>+ 3                                     | $ \begin{array}{c} -1 \\ +4 \\ +8 \\ +5 \\ +3 \end{array} $      | 86<br>86<br>86<br>94<br>96<br>100                           | +16<br>+16<br>+16<br>+ 6<br>+ 4                                     | $ \begin{array}{c} \binom{1}{1} \\ \binom{1}{2} \\ + 9 \\ + 2 \\ + 4 \end{array} $   |
| shoe, machine, male:<br>1910.<br>1911.<br>1912.<br>1913.<br>1914.<br>1916. | 106<br>105<br>102<br>101<br>100<br>100                   | -6<br>-5<br>-2<br>-1<br>(¹)   | -1<br>-3<br>-1<br>-1<br>(¹)                          | 93<br>93<br>95<br>98<br>99<br>100                          | + 8<br>+ 8<br>+ 5<br>+ 2<br>+ 1                                     | $ \begin{array}{c} (1) \\ + 2 \\ + 3 \\ + 1 \\ + 1 \end{array} $ | 98<br>97<br>96<br>98<br>100<br>100                          | + 2<br>+ 3<br>+ 4<br>+ 2  | - i<br>- 1<br>+ 2<br>+ 2   |

TABLE 2.—RELATIVE FULL-TIME HOURS PER WEEK, RATES OF WAGES PER HOUR, AND FULL-TIME WEEKLY EARNINGS, 1910 TO 1916, TOGETHER WITH PER CENT OF INCREASE OR DECREASE IN SPECIFIED YEARS, IN THE PRINCIPAL OCCUPATIONS, AND THE INDUSTRY—Continued.

|   | Hou  | ırs per w   | eek.   | Was  | ges per h   | our.   | Wee   | kly earn  | ings.  |
|---|--|---|--|--|---|--|---|---|--|
|   | Rela-  | Per c<br>increase<br>decrea   | ent of<br>e (+) or<br>se (-)                         | Rela-  | Per c<br>increase<br>decrea<br>in                                   | ent of<br>e (+) or<br>se (-)                                   | Rela-   | Per c<br>increase<br>decrea<br>in                                   | ent of<br>e (+) or<br>se (-)                               |
| Occupation, sex, and year.  | tive<br>full-<br>time<br>hours<br>per<br>week<br>(1916=<br>100). | 1916<br>as com-<br>pared<br>with<br>each<br>speci-<br>fied<br>year. | Each specified year as compared with year preceding. | tive<br>rate of<br>wages<br>per<br>hour<br>(1916–<br>100). | 1916<br>as com-<br>pared<br>with<br>each<br>speci-<br>fied<br>year. | Each specified year as compared with year preceding.           | tive full-<br>time weekly earn-<br>ings (1916=100). | 1916<br>as com-<br>pared<br>with<br>each<br>speci-<br>fied<br>year. | Each specified year as compared with year pre-ceding.      |
| CUTTING DEPARTMENT— concluded. Skivers, upper, machine, male: 1910. 1911. 1912. 1913. 1914. 1916.   | 101<br>101<br>101<br>100<br>100                                  | -1<br>-1<br>-1<br>(1)<br>(1)  | (1)<br>(1)<br>(1)<br>(1)                             | 83<br>90<br>89<br>95<br>96                                 | +20<br>+11<br>+12<br>+ 5<br>+ 4                                     | + 8<br>- 1<br>+ 7<br>+ 1<br>+ 4                                | 84<br>92<br>90<br>95<br>96<br>100                   | $^{+19}$ $^{+9}$ $^{+11}$ $^{+5}$ $^{+4}$                           | $\begin{array}{c} +10 \\ -2 \\ +6 \\ +1 \\ +4 \end{array}$ |
| Skivers, upper, machine, female: 1910   | 105<br>105<br>102<br>101<br>100                                  | -5<br>-5<br>-2<br>-1<br>(¹)   | (¹)<br>-3<br>-1<br>-1<br>(¹)                         |  | +19<br>+19<br>+ 9<br>+ 1<br>- 1                                     | (1)<br>+10<br>+ 8<br>+ 2<br>- 1                                | 88<br>88<br>93<br>100<br>101<br>100                 | +14<br>+14<br>+ 8<br>(1)<br>- 1                                     | (1)<br>+ 6<br>+ 8<br>+ 1<br>- 1                            |
| SOLE-LEATHER DEPARTMENT. Cutters, outsole, male: 1910   | 103<br>103<br>102<br>101   | -3<br>-3<br>-2<br>-1  | (1)<br>-1<br>-1<br>-1                                | 85<br>86<br>88<br>95                                       | $+18 \\ +16 \\ +14 \\ +5$   | $\begin{array}{c} +1\\ +2\\ +8\\ +3\\ +2 \end{array}$          | 87<br>89<br>91<br>96                                | +15<br>+12<br>+10   | + 2<br>+ 2<br>+ 5<br>+ 5                                   |
| 1916.<br>Channelers, insole and out-  | 100<br>100<br>100<br>103<br>103                                  | -3<br>-3<br>-1<br>-1  | (¹)<br>(¹)   | 98<br>100<br>82<br>85<br>87                                | + 2<br>+22<br>+18   | + 4  | 98<br>100<br>84<br>87<br>88                         | + 4<br>+ 2<br>+ 19<br>+ 15<br>+ 14                                  | + 4  |
| 1910. 1911. 1912. 1913. 1914. 1916.  FITTING OR STITCHING DEPARTMENT.   | 101<br>100<br>100  | (1)   | (1) 1  | 97<br>98<br>100  | +15<br>+ 3<br>+ 2   | + 2<br>+11<br>+ 1<br>+ 2                                       | 97<br>97<br>190                                     | +14<br>+ 3<br>+ 3   | + 1<br>+10<br>(1)<br>+ 3                                   |
| Tip stitchers, female: 1911   | 102<br>101<br>101<br>100<br>100                                  | -2<br>-1<br>-1<br>(¹)   | -1<br>(¹)<br>-1<br>(¹)                               | 87<br>92<br>96<br>96                                       | +15<br>+ 9<br>+ 4<br>+ 4  | + 6<br>+ 4<br>(¹)<br>+ 4                                       | 89<br>92<br>97<br>96<br>100                         | +12<br>+ 9<br>+ 3<br>+ 4  | + 3<br>+ 5<br>- 1<br>+ 4                                   |
| Tip stitchers, female: 1911. 1912. 1913. 1914. 1916. Backstay stitchers, female: 1910. 1911. 1912. 1913. 1914. 1916. Lining makers, female: 1910. 1911. 1912. 1913. 1914. 1916. | 104<br>104<br>102<br>101<br>100<br>100                           | -4<br>-4<br>-2<br>-1<br>(¹)   | (1)<br>-2<br>-1<br>-1<br>(1)                         | 87<br>88<br>90<br>94<br>96<br>100                          | +15<br>+14<br>+11<br>+ 6<br>+ 4                                     | + 1<br>+ 2<br>+ 4<br>+ 2<br>+ 4                                | 90<br>92<br>92<br>95<br>95<br>100                   | +11<br>+ 9<br>+ 9<br>+ 5<br>+ 5                                     | (1)<br>+ 3<br>(1)<br>+ 5                                   |
| Liming makers, female: 1910. 1911. 1912. 1913. 1914. 1916.  | 105<br>105<br>102<br>101<br>100<br>100                           | -5<br>-5<br>-2<br>-1  | (1)<br>-3<br>-1<br>-1<br>(1)                         | 84<br>83<br>86<br>96<br>95                                 | +19<br>+20<br>+16<br>+ 4<br>+ 5                                     | $ \begin{array}{c c} -1 \\ +4 \\ +12 \\ -1 \\ +5 \end{array} $ | 87<br>86<br>87<br>96<br>95                          | +15<br>+16<br>+15<br>+ 4<br>+ 5                                     | - 1<br>+ 1<br>+ 10<br>- 1<br>+ 5                           |

<sup>&</sup>lt;sup>1</sup> No change.

TABLE 2.—RELATIVE FULL-TIME HOURS PER WEEK, RATES OF WAGES PER HOUR, AND FULL-TIME WEEKLY EARNINGS, 1910 TO 1916, TOGETHER WITH PER CENT OF INCREASE OR DECREASE IN SPECIFIED YEARS, IN THE PRINCIPAL OCCUPATIONS, AND THE INDUSTRY—Continued.

|   | Hot  | ırs per w   | eek.   | Wa                                      | ges per h   | our.   | Wee   | kly earn  | ings.   |
|---|--|---|--|---|---|--|---|---|---|
|   | Rela-  | Per c<br>increase<br>decrea   | ent of<br>e (+) or<br>se (-)                         | Rela-                                   | Per c<br>increase<br>decrea   | ent of<br>e (+) or<br>se (-)                           | Rela-   | Per c<br>increase<br>decrea<br>in                                   | ent of<br>e (+) or<br>se (-)  |
| Occupation, sex, and year.  | tive<br>full-<br>time<br>hours<br>per<br>week<br>(1916—<br>100). | 1916<br>as com-<br>pared<br>with<br>each<br>speci-<br>fied<br>year. | Each specified year as compared with year preceding. | tive<br>rate of<br>wages<br>per<br>hour | 1916<br>as com-<br>pared<br>with<br>each<br>speci-<br>fied<br>year.                                   | Each specified year as compared with year pre-ceding.  | tive<br>full-<br>time<br>weekly<br>earn-<br>ings<br>(1916=<br>100). | 1916<br>as com-<br>pared<br>with<br>each<br>speci-<br>fied<br>year. | Each specified year as compared with year preceding.                            |
| FITTING OR STITCHING DE-<br>PARTMENT—concluded.   |  |   |  |   |   |  |   |   |   |
| Closers-on, female: 1910  | 106<br>106<br>102<br>101<br>100<br>100                           | -6<br>-6<br>-2<br>-1<br>(¹)   | (1)<br>-4<br>-1<br>-1<br>(1)                         | 90<br>90<br>93<br>97<br>98<br>100       | +11<br>+11<br>+ 8<br>+ 3<br>+ 2   | (1)<br>+ 3<br>+ 4<br>+ 1<br>+ 2                        | 95<br>95<br>95<br>99<br>98<br>100                                   | + 5<br>+ 5<br>+ 5<br>+ 1<br>+ 2                                     | (1)<br>(1)<br>+ 4<br>- 1<br>+ 2   |
| 1910  | 105<br>105<br>101<br>101<br>100<br>100                           | -5<br>-5<br>-1<br>-1<br>(¹)   | (1)<br>(1)<br>(1)<br>(1)<br>(1)                      | 90<br>92<br>93<br>99<br>99              | +11<br>+ 9<br>+ 8<br>+ 1<br>+ 1   | + 2<br>+ 1<br>+ 6<br>(¹)<br>+ 1                        | 94<br>95<br>94<br>100<br>99<br>100                                  | + 6<br>+ 5<br>+ 6<br>(¹)<br>+ 1                                     | $\begin{array}{c} + 1 \\ - 1 \\ + 6 \\ - 1 \\ + 1 \end{array}$                  |
| 1911<br>1912<br>1913<br>1914<br>1916<br>Button fasteners, female:<br>1911<br>1912<br>1913<br>1914<br>1916<br>Buttonhole makers, female: | 103<br>102<br>101<br>100<br>100                                  | -3<br>-2<br>-1<br>(¹)   | -1<br>-1<br>-1<br>(1)                                | 70<br>81<br>91<br>92<br>100             | +43<br>+23<br>+10<br>+ 9  | $+16 \\ +12 \\ +1 \\ +9$                               | 72<br>83<br>. 93<br>. 91<br>100                                     | +39<br>+20<br>+ 8<br>+10  | +15<br>+12<br>- 2<br>+10  |
| 1911. 1912. 1913. 1914. 1916. Vampers, male:  | 104<br>102<br>101<br>100<br>100                                  | -4<br>-2<br>-1<br>(1)   | -2<br>-1<br>-1<br>(1)                                | 80<br>82<br>88<br>92<br>100             | +25<br>+22<br>+14<br>+ 9  | + 3<br>+ 7<br>+ 5<br>+ 9                               | 82<br>83<br>89<br>92<br>100   | +22<br>+20<br>+12<br>+ 9  | $egin{pmatrix} + & 1 \\ + & 7 \\ + & 3 \\ + & 9 \end{matrix}$                   |
| 1910  | 101<br>101<br>100<br>100<br>100<br>100                           | -1<br>-1<br>(1)<br>(1)<br>(1)<br>(1)                                | (1)<br>(1)<br>(1)<br>(1)<br>(1)                      | 89<br>92<br>91<br>95<br>94<br>100       | $     \begin{array}{r}       +12 \\       +9 \\       +10 \\       +5 \\       +6 \\    \end{array} $ | + 3<br>- 1<br>+ 4<br>- 1<br>+ 6                        | 90<br>94<br>91<br>95<br>94<br>100                                   | +11<br>+ 6<br>+10<br>+ 5<br>+ 6                                     | $\begin{array}{c} + \ 4 \\ - \ 3 \\ + \ 4 \\ - \ 1 \\ + \ 6 \end{array}$        |
| 1911<br>1912<br>1913<br>1914<br>1916  | 105<br>104<br>102<br>101<br>100<br>100                           | -5<br>-4<br>-2<br>-1<br>(1)   | -1<br>-2<br>-1<br>-1<br>(¹)                          | 93<br>93<br>91<br>97<br>96<br>100       | + 8<br>+ 8<br>+ 10<br>+ 3<br>+ 4  | (1)<br>2<br>+ 7<br>1<br>+ 4                            | 97<br>97<br>92<br>98<br>96<br>100                                   | + 3<br>+ 3<br>+ 9<br>+ 2<br>+ 4                                     | $ \begin{array}{c} (1) \\ -5 \\ +7 \\ -2 \\ +4 \end{array} $                    |
| LASTING DEPARTMENT. Assemblers, for pulling-over machine, male: 1911. 1912. 1913. 1914. 1916. Pullers-over hand male:                   | 103<br>102<br>101<br>101<br>100                                  | -3<br>-2<br>-1<br>-1  | -1<br>-1<br>(¹)<br>-1                                | 84<br>81<br>89<br>92<br>100             | +19<br>+23<br>+12<br>+ 9  | - 4<br>+10<br>+ 3<br>+ 9                               | 86<br>82<br>90<br>92<br>100   | +16<br>+22<br>+11<br>+ 9  | - 5<br>+10<br>+ 2<br>+ 9  |
| 1912<br>1913<br>1914<br>1916<br>Pullers-over, hand, male:<br>1910<br>1911<br>1912<br>1913<br>1914<br>1916                               | 102<br>102<br>100<br>100<br>100<br>100                           | -2<br>-2<br>(1)<br>(1)<br>(1)<br>(1)                                | (1)<br>(1)<br>(1)<br>(1)                             | 84<br>90<br>92<br>96<br>101<br>100      | +19<br>+11<br>+ 9<br>+ 4<br>- 1   | $\begin{vmatrix} +7\\ +2\\ +4\\ +5\\ -1 \end{vmatrix}$ | 86<br>91<br>92<br>97<br>101   | +16<br>+10<br>+ 9<br>+ 3<br>- 1                                     | $\begin{vmatrix} & + & 6 \\ + & 1 \\ + & 5 \\ & + & 4 \\ & - & 1 \end{vmatrix}$ |

TABLE 2.—RELATIVE FULL-TIME HOURS PER WEEK, RATES OF WAGES PER HOUR, AND FULL-TIME WEEKLY EARNINGS, 1910 TO 1916, TOGETHER WITH PER CENT OF INCREASE OR DECREASE IN SPECIFIED YEARS, IN THE PRINCIPAL OCCUPATIONS, AND THE INDUSTRY—Continued.

|   | Но   | ırs per w   | eek.  | Wa   | ges per h   | our.  | Wee   | kly earn  | ings.  |
|---|--|---|---|--|---|---|---|---|--|
|   | Rela-  | increase<br>decrea  | ent of<br>e (+) or<br>se (-)                                      | Rela-  | Per c<br>increase<br>decrea   | ent of<br>c (+) or<br>se (-)  | Rela-   | increase  | se ( — )   |
| Occupation, sex, and year.  | tive<br>full-<br>time<br>hours<br>per<br>week<br>(1916=<br>100). | 1916<br>as com-<br>pared<br>with<br>each<br>speci-<br>fied<br>year. | Each specified year as compared with year preceding.              | tive<br>rate of<br>wages<br>per<br>hour<br>(1916=<br>100). | 1916<br>as com-<br>pared<br>with<br>each<br>speci-<br>fied<br>year. | Each specified year as compared with year preceding.                  | tive<br>full-<br>time<br>weekly<br>earn-<br>ings<br>(1916=<br>100). | 1916<br>as com-<br>pared<br>with<br>each<br>speci-<br>fied<br>year. | Each specified year as compared with year preceding.                   |
| LASTING DEPARTMENT—<br>concluded.   |  |   |   |  |   |   |   |   |  |
| Pullers-over, machine, male: 1910. 1911. 1912. 1913. 1914. 1916. Side lasters, hand, male: 1913. 1914. 1916.                            | 104<br>102<br>101<br>101<br>101<br>100                           | -4<br>-2<br>-1<br>-1<br>-1  | $ \begin{array}{c c} -2 \\ -1 \\ (1) \\ (1) \\ -1 \end{array} $   | 84<br>84<br>80<br>90<br>92<br>100                          | +19<br>+19<br>+25<br>+11<br>+ 9                                     | $ \begin{array}{c} (1) \\ -5 \\ +13 \\ +2 \\ +9 \end{array} $         | 87<br>85<br>81<br>91<br>93<br>100                                   | +15<br>+18<br>+23<br>+10<br>+ 8                                     | $ \begin{array}{c} -2 \\ -5 \\ +12 \\ +2 \\ +8 \end{array} $           |
|   | 99<br>99<br>100  | +1<br>+1  | (¹)<br>+1   | 95<br>97<br>100  | + 5<br>+ 3  | + 2<br>+ 3  | 94<br>95<br>100   | + 6<br>+ 5  | + 1<br>+ 5   |
| Side lasters, machine, male: 1913   | 104<br>100<br>100  | -4<br>(1)   | -4<br>(1)   | 95<br>101<br>100   | + 5<br>- 1  | + 6<br>- 1  | 99<br>101<br>100  | + 1<br>- 1  | + 2<br>- 1   |
| Side lasters, machine, male: 1913. 1914. 1916. Bed-machine operators, male: 1910. 1911. 1912. 1913. 1914. 1916. Hand-method lasting-ma- | 103<br>102<br>101<br>100<br>100                                  | -3<br>-2<br>-1<br>(1)<br>(1)  | -1<br>-1<br>-1<br>(1)   | 86<br>90<br>85<br>93<br>91<br>100                          | $^{+16}_{+11}_{+18}_{+8}_{+10}$                                     | + 5<br>- 6<br>+ 9<br>- 2<br>+10                                       | 88<br>91<br>86<br>93<br>91<br>100                                   | $^{+14}_{+10}_{+16}$ $^{+8}_{+10}$                                  | + 3<br>- 5<br>+ 8<br>- 2<br>+10  |
| chine operators, male: 1910 1911 1912 1913 1914 1916 Turn lasters, hand, male: 1912 1913 1914 1916                                      | 104<br>104<br>102<br>101<br>101<br>100                           | -4<br>-4<br>-2<br>-1<br>-1  | (1)<br>-2<br>-1<br>(1)<br>-1                                      | 86<br>87<br>89<br>98<br>97<br>100                          | +16<br>+15<br>+12<br>+ 2<br>+ 3                                     | $\begin{array}{c} +1\\ +2\\ +10\\ -1\\ +3 \end{array}$                | 90<br>91<br>91<br>99<br>97<br>100                                   | $+11 \\ +10 \\ +10 \\ +1 \\ +3$                                     | $ \begin{array}{c} +1 \\ (1) \\ +9 \\ -2 \\ +3 \end{array} $           |
| Turn lasters, nand, male: 1912 1913 1914 1916 Turn sewers, machine, male: 1914  | 101<br>100<br>99<br>100  | (¹)<br>+1   | -1<br>-1<br>+1  | 78<br>88<br>92<br>100                                      | +28<br>+14<br>+ 9   | +13<br>+ 5<br>+ 9   | 78<br>87<br>90<br>100   | +28<br>+15<br>+11   | $^{+12}_{+3}_{+11}$  |
| 1914  | 100<br>100   | (1)   | (1)   | 98<br>100  | + 2   | + 2   | 98<br>100   | + 2   | + 2  |
| Goodyear welters, male: 1910 1911 1912 1913 1914 1916 Rough rounders, male:   | 102<br>102<br>101<br>100<br>100<br>100                           | -2<br>-2<br>-1<br>(1)<br>(1)  | (1)<br>-1<br>-1<br>(1)<br>(1)                                     | 80<br>85<br>86<br>97<br>97                                 | +25<br>+18<br>+16<br>+ 3<br>+ 3                                     | $\begin{array}{c} + \ 6 \\ + \ 1 \\ + 13 \\ (1) \\ + \ 3 \end{array}$ | 82<br>87<br>87<br>97<br>98<br>100                                   | $^{+22}_{+15}_{+15}_{+3}_{+2}$                                      | $^{+\ 6}_{(^{1})} \ ^{+\ 11}_{+\ 1} \ ^{+\ 2}$                         |
| Rough rounders, male: 1910 1911 1912 1913 1914 1916   | 103<br>103<br>102<br>101<br>100<br>100                           | -3<br>-3<br>-2<br>-1<br>(1)   | $\begin{bmatrix} (^1) & -1 \\ -1 & -1 \\ -1 & (^1) \end{bmatrix}$ | 79<br>85<br>85<br>98<br>99<br>100                          | $+27 \\ +18 \\ +18 \\ +2 \\ +1$                                     | + 8<br>(1)<br>+15<br>+ 1<br>+ 1                                       | 81<br>87<br>87<br>98<br>100<br>100                                  | $^{+23}_{+15}_{+15}_{+2}$   | $\begin{array}{c} +7 \\ {}^{(1)} \\ +13 \\ +2 \\ {}^{(1)} \end{array}$ |

<sup>1</sup> No change.

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TABLE 2.—RELATIVE FULL-TIME HOURS PER WEEK, RATES OF WAGES PER HOUR, AND FULL-TIME WEEKLY EARNINGS, 1910 TO 1916, TOGETHER WITH PER CENT OF INCREASE OR DECREASE IN SPECIFIED YEARS, IN THE PRINCIPAL OCCUPATIONS, AND THE INDUSTRY—Continued.

|  | Но   | ırs per w   | reek.   | Waş                                     | ges per h   | our.  | Wee   | kly earn  | ings.  |
|--|--|---|---|---|---|---|---|---|--|
|  | Rela-  | Per c<br>increase<br>decrea   | ent of<br>e (+) or<br>use (-)                         | Rela-                                   | Per c<br>increase<br>decrea   | ent of<br>e (+) or<br>se (-)                          | Rela-   | increase  | ent of<br>e (+) or<br>se (-)                         |
| Occupation, sex, and year.   | tive<br>full-<br>time<br>hours<br>per<br>week<br>(1916=<br>100). | 1916<br>as com-<br>pared<br>with<br>each<br>speci-<br>fied<br>year. | Each specified year as compared with year pre-ceding. | tive rate of wages per hour (1916—100). | 1916<br>as com-<br>pared<br>with<br>each<br>speci-<br>fied<br>year. | Each specified year as compared with year pre-ceding. | tive<br>full-<br>time<br>weekly<br>earn-<br>ings<br>(1916=<br>100). | 1916<br>as com-<br>pared<br>with<br>each<br>speci-<br>fied<br>year. | Each specified year as compared with year preceding. |
| BOTTOMING DEPARTMENT—continued.  |  |   |   | -                                       |   |   |   |   |  |
| Goodyear stitchers, male: 1910. 1911. 1912. 1913. 1914. 1916.  | 102<br>102<br>102<br>100<br>100                                  | -2<br>-2<br>-2<br>(1)<br>(1)  | (1)<br>(1)<br>(2)<br>(1)<br>(1)                       | 84<br>87<br>86<br>92<br>95              | +19<br>+15<br>+16<br>+ 9<br>+ 5                                     | + 4<br>- 1<br>+ 7<br>+ 3<br>+ 5                       | 86<br>88<br>88<br>92<br>95<br>100                                   | +16<br>+14<br>+14<br>+ 9<br>+ 5                                     | + 2 (1) + 5 + 3 + 5                                  |
| 1914<br>1916<br>McKay sewers, male:<br>1910<br>1911<br>1912<br>1913<br>1914<br>1916<br>Heelers, male:  | 102<br>101<br>101<br>100<br>100<br>100                           | -2<br>-1<br>-1<br>(1)<br>(1)  | -1<br>(1)<br>-1<br>(1)<br>(1)                         | 83<br>83<br>80<br>89<br>96              | +20<br>+20<br>+25<br>+12<br>+ 4                                     | (1)<br>- 4<br>+11<br>+ 8<br>+ 4                       | 84<br>83<br>81<br>89<br>96<br>100                                   | +19<br>+20<br>+23<br>+12<br>+ 4                                     | 1<br>2<br>+10<br>+ 8<br>+ 4                          |
| Heelers, male: 1911. 1912. 1913. 1914. 1916. Heel trimmers or shavers, male:   | 102<br>102<br>100<br>100<br>100                                  | -2<br>-2<br>(1)<br>(1)  | (1)<br>-2<br>(1)<br>(1)                               | 91<br>89<br>100<br>94<br>100            | +10<br>+12<br>(¹)<br>+ 6  | - 2<br>+12<br>- 6<br>+ 6                              | 93<br>90<br>100<br>94<br>100  | + 8<br>+11<br>(¹)<br>+ 6  | - 3<br>+11<br>- 6<br>+ 6                             |
| 1911<br>1912<br>1913   | 103<br>103<br>102<br>101<br>100<br>100                           | -3<br>-3<br>-2<br>-1<br>(¹)   | (1)<br>-1<br>-1<br>-1<br>(1)                          | 88<br>89<br>89<br>95<br>94<br>100       | +14<br>+12<br>+12<br>+5<br>+6                                       | + 1 (¹) + 7 - 1 + 6                                   | 90<br>91<br>91<br>96<br>94<br>100                                   | +11<br>+10<br>+10<br>+ 4<br>+ 6                                     | (1)<br>+ 1<br>- 2<br>+ 6                             |
| Heel breasters, male: 1911. 1912. 1913. 1914. 1916. Edge triumpers, male:  | 103<br>102<br>101<br>101<br>100                                  | -3<br>-2<br>-1<br>-1  | -1<br>-1<br>(¹)<br>-1                                 | 88<br>91<br>97<br>96<br>100             | +14<br>+10<br>+ 3<br>+ 4  | + 3<br>+ 7<br>- 1<br>+ 4                              | 89<br>92<br>97<br>95<br>100   | +12<br>+ 9<br>+ 3<br>+ 5  | + 3<br>+ 5<br>- 2<br>+ 5                             |
| 1914 1916 Heel breasters, male: 1911 1912 1913 1914 1916 Edge trimmers, male: 1910 1911 1912 1913 1914 1916 Edge setters, male: 1910 Edge setters, male: | 102<br>102<br>101<br>101<br>100<br>100                           | -2<br>-2<br>-1<br>-1<br>(1)   | (¹)<br>-1<br>(¹)<br>-1<br>(¹)                         | 87<br>89<br>88<br>95<br>93<br>100       | +15<br>+12<br>+14<br>+ 5<br>+ 8                                     | + 2<br>- 1<br>+ 8<br>- 2<br>+ 8                       | 89<br>90<br>89<br>96<br>94<br>100                                   | +12<br>+11<br>+12<br>+ 4<br>+ 6                                     | + 1<br>- 1<br>+ 8<br>- 2<br>+ 6                      |
| Edge setters, male: 1910. 1911. 1912. 1913. 1914. 1916. Heel scourers, male:   | 102<br>102<br>101<br>100<br>100<br>100                           | -2<br>-2<br>-1<br>(1)<br>(1)  | (1)<br>-1<br>-1<br>(1)<br>(1)                         | 86<br>88<br>90<br>98<br>98              | +16<br>+14<br>+11<br>+ 2<br>+ 2                                     | + 2<br>+ 2<br>+ 9<br>(1)<br>+ 2                       | 89<br>90<br>91<br>99<br>98<br>100                                   | $+12 \\ +11 \\ +10 \\ +1 \\ +2$                                     | + 1<br>+ 1<br>+ 9<br>- 1<br>+ 2                      |
| Heel scourers, male: 1911  | 100<br>101<br>100<br>100<br>100                                  | (1)<br>(1)<br>(1)   | +1<br>-1<br>(1)<br>(1)                                | 82<br>82<br>89<br>89<br>100             | +22<br>+22<br>+12<br>+12  | (1)<br>+ 9<br>(1)<br>+12                              | 83<br>83<br>90<br>89<br>100   | +20<br>+20<br>+11<br>+12  | (¹)<br>+ 8<br>- 1<br>+12                             |

<sup>&</sup>lt;sup>1</sup> No change.

TABLE 2.—RELATIVE FULL-TIME HOURS PER WEEK, RATES OF WAGES PER HOUR, AND FULL-TIME WEEKLY EARNINGS, 1910 TO 1916, TOGETHER WITH PER CENT OF INCREASE OR DECREASE IN SPECIFIED YEARS, IN THE PRINCIPAL OCCUPATIONS, AND THE INDUSTRY—Concluded.

|   | Hot  | ırs per w   | eek.  | Wa                                      | ges per h   | our.  | Wee   | kly earn  | ings.   |
|---|--|---|---|---|---|---|---|---|---|
|   | Rela-  | increase<br>decrea  | ent of<br>e (+) or<br>se (-)  | Rela-                                   | increase  | ent of<br>e (+) or<br>se (-)                                      | Rela-   | Per c<br>increase<br>decrea   | ent of<br>e (+) or<br>se (-)  |
| Occupation, sex, and year.  | tive<br>full-<br>time<br>hours<br>per<br>week<br>(1916=<br>100). | 1916<br>as com-<br>pared<br>with<br>each<br>speci-<br>fied<br>year. | Each<br>speci-<br>fied<br>year<br>as com-<br>pared<br>with<br>year<br>pre-<br>ceding. | tive rate of wages per hour (1916=100). | 1916<br>as com-<br>pared<br>with<br>each<br>speci-<br>fied<br>year. | Each specified year as compared with year preceding.              | tive<br>full-<br>time<br>weekly<br>earn-<br>ings<br>(1916=<br>100). | 1916<br>as com-<br>pared<br>with<br>each<br>speci-<br>fied<br>year. | Each specified year as compared with year preceding.  |
| BOTTOMING DEPARTMENT—concluded.   |  |   |   |   |   |   |   |   |   |
| Heel burnishers, male: 1911 1912 1913 1914 1916 Buffers, male:                                  | 102<br>102<br>100<br>100<br>100                                  | -2<br>-2<br>(1)<br>(1)  | (1)<br>-2<br>(1)<br>(1)   | 85<br>87<br>93<br>95<br>100             | +18<br>+15<br>+ 8<br>+ 5  | + 2<br>+ 7<br>+ 2<br>+ 5  | 87<br>88<br>94<br>95<br>100   | +15<br>+14<br>+ 6<br>+ 5  | $\begin{array}{c} +1\\ +7\\ +1\\ +5 \end{array}$  |
| 1911  | 102<br>102<br>100<br>100<br>100                                  | -2<br>-2<br>(1)<br>(1)  | (1)<br>-2<br>(1)<br>(1)   | 84<br>88<br>97<br>94<br>100             | +19<br>+14<br>+ 3<br>+ 6  | + 5<br>+10<br>- 3<br>+ 6  | 85<br>89<br>97<br>94<br>100   | +18<br>+12<br>+ 3<br>+ 6  | + 5<br>+ 9<br>- 3<br>+ 6  |
| FINISHING DEPARTMENT.   |  |   |   |   |   |   |   |   |   |
| Treers or ironers, hand, male: 1910. 1911. 1912. 1913. 1914. 1916. Treers or ironers, hand, fe- | 102<br>102<br>102<br>101<br>100<br>100                           | -2<br>-2<br>-2<br>-1<br>(1)   | (1)<br>(1)<br>(1)<br>-1<br>-1<br>(1)  | 91<br>91<br>90<br>95<br>95<br>100       | +10<br>+10<br>+11<br>+ 5<br>+ 5                                     | (1)<br>- 1<br>+ 6<br>(1)<br>+ 5                                   | 92<br>92<br>91<br>95<br>95<br>100                                   | + 9<br>+ 9<br>+ 10<br>+ 5<br>+ 5                                    | $\begin{pmatrix} 1 \\ -1 \\ +4 \\ \begin{pmatrix} 1 \\ 1 \end{pmatrix} \\ +5 \end{pmatrix}$ |
| male: 1910  | 110<br>110<br>103<br>103<br>98<br>100                            | -9<br>-9<br>-3<br>-3<br>+2  | $\begin{pmatrix} 1 \\ -6 \\ 1 \\ -5 \\ +2 \end{pmatrix}$                              | 79<br>79<br>84<br>87<br>96<br>100       | +27<br>+27<br>+19<br>+15<br>+ 4                                     | $ \begin{array}{c} (1) \\ + 6 \\ + 4 \\ + 10 \\ + 4 \end{array} $ | 86<br>86<br>86<br>89<br>94<br>100                                   | +16<br>+16<br>+16<br>+12<br>+ 6                                     | $ \begin{array}{c} (1) \\ (1) \\ + 3 \\ + 6 \\ + 6 \end{array} $                            |
| OTHER EMPLOYEES (ALL DE-<br>PARTMENTS).<br>Male:  |  |   |   |   |   |   |   |   |   |
| 1914  | 100<br>100<br>100<br>100   | (¹)   | (1)<br>(1)  | 92<br>100<br>95<br>100                  | + 9<br>+ 5  | + 9<br>+ 5  | 92<br>100<br>95<br>100  | + 9<br>+ 5  | + 9   |
| THE INDUSTRY.   |  |   |   |   |   |   |   |   |   |
| 1910<br>1911<br>1912<br>1913<br>1914<br>1916  | 103<br>103<br>102<br>101<br>100<br>100                           | -3<br>-3<br>-2<br>-1<br>(1)   | (1)<br>-1<br>-1<br>-1<br>(1)  | 84<br>86<br>86<br>93<br>94<br>100       | +19<br>+16<br>+16<br>+ 8<br>+ 6                                     | + 2<br>(¹)<br>+ 8<br>+ 1<br>+ 6                                   | 86<br>88<br>87<br>94<br>94<br>100                                   | +16<br>+14<br>+15<br>+ 6<br>+ 6                                     | + 2<br>- 1<br>+ 8<br>(1)<br>+ 6   |

<sup>1</sup> No change.

The relative number for each year preceding 1916 is the per cent that the average for that year is of the average for 1916. For example, Table 2 shows that relatively the full-time weekly earnings of outsole

cutters in 1910 were but 87 per cent of their weekly earnings in 1916. In 1911 they had increased to 89 per cent, in 1912 to 91 per cent, in 1913 to 96 per cent, and in 1914 to 98 per cent of their weekly earnings in 1916.

In addition to the relative numbers, which are shown in heavy faced type, Table 2 shows the per cent of increase or decrease in 1916 as compared with each preceding year back to 1910, and also the per cent of increase or decrease in each year as compared with the year immediately preceding.

The method used in computing the relative or index numbers may best be explained by an illustration. Take the rates of wages per hour of bed-machine operators, for example:

|   | Number<br>of iden-<br>tical es-<br>tablish-<br>ments. | 1910    | 1911            | 1912            | 1913    | 1914           | 1916            |
|---|---|---------|-----------------|-----------------|---------|----------------|-----------------|
| Rates of wages per hour                             | 35<br>54<br>65  | \$0.311 | \$0.323<br>.321 | \$0.304<br>.300 | \$0.330 |                |                 |
|   | 60<br>64  |         |                 |                 | . 331   | \$0.322<br>319 | \$0.35 <b>1</b> |
| Relative rates of wages per hour computed therefrom |   | 86      | 90              | 85              | 93      | 91             | 100             |

The rate per hour for 1916 is taken as the base (100), then \$0.319 divided by \$0.351 equals 91, the relative for 1914. The ratio of 1913 to 1914 is \$0.331 to \$0.322. The relative for 1914, just determined (91), multiplied by \$0.322 and the result divided by \$0.331, equals 93, the relative for 1913. The ratio of 1912 to 1913 is \$0.300 to \$0.330. The relative for 1913, just determined (93), multiplied by \$0.300 and the result divided by \$0.330 equals 85, the relative for 1912. In like manner the relative numbers are computed for preceding years. For greater accuracy the relative numbers were carried to one decimal place in the process of computation, but are entered in the table to the nearest whole number.

The reasons for using the data for the most recent year available as the base for relative numbers are: First, the most recent data are believed to be the most accurate and representative; second, comparisons are more often made between recent years than between any others; and third, this method permits the inclusion of new or additional occupations that it may be found desirable to introduce, and the computing of relatives for such occupations for the years for which data are available, on the same base as that upon which the relatives for other occupations are computed.

Table 3 is a summary showing by States the number and per cent of employees working certain classified percentages of full time in the representative pay period for which wage data were obtained. The length of the pay period was one week in all establishments except six having biweekly pay rolls, which establishments are omitted from the table.

TABLE 3.—NUMBER AND PER CENT OF EMPLOYEES WORKING EACH CLASSIFIED PER CENT OF FULL TIME IN ONE WEEK, BY STATES, 1916.

[This table does not include data from 6 establishments having biweekly payrolls.]

|   |   |  | Number and per cent of employees working each classified per cent of full time.                        |  |   |  |  |   |  |  |   |                                   |  |  |
|---|---|--|--|--|---|--|--|---|--|--|---|-----------------------------------|--|--|
| State.  | Num-<br>ber of<br>estab-<br>lish-<br>ments. | Num-<br>ber of<br>em-<br>ployees.  | 100 per<br>and or  |  | Under<br>per ce   |  | Unde<br>per ce   |   | Unde<br>per ce   |  | Unde<br>per ce  |                                   |  |  |
|   |   |  | Num-<br>ber.   | Per<br>cent.   | Num-<br>ber.  | Per<br>cent.   | Num-<br>ber.   | Per<br>cent.  |  | Per<br>cent.   |   | Per<br>cent.                      |  |  |
| Illinois. Maine. Massachusetts. Minnesota. Missouri New Hampshire New Jersey New York Ohio. Pennsylvania Wisconsin Other States | 11<br>3<br>14                               | 2, 408<br>2, 249<br>24, 155<br>1, 006<br>6, 946<br>5, 884<br>683<br>7, 526<br>3, 903<br>4, 003<br>1, 357<br>1, 007 | 1, 011<br>993<br>10, 335<br>477<br>2, 270<br>3, 339<br>312<br>4, 049<br>1, 183<br>1, 964<br>502<br>419 | 42<br>44<br>43<br>47<br>33<br>57<br>46<br>54<br>30<br>49<br>37<br>42 | 1, 397<br>1, 256<br>13, 820<br>529<br>4, 676<br>2, 545<br>371<br>3, 477<br>2, 720<br>2, 039<br>855<br>588 | 58<br>56<br>57<br>53<br>67<br>43<br>54<br>46<br>70<br>51<br>63<br>58 | 337<br>331<br>3, 913<br>56<br>883<br>473<br>29<br>790<br>845<br>352<br>149<br>76 | 14<br>15<br>16<br>6<br>13<br>8<br>4<br>10<br>22<br>9<br>11<br>8 | 92<br>113<br>1,214<br>16<br>280<br>192<br>7<br>238<br>213<br>113<br>52<br>30 | 4<br>55<br>2<br>4<br>3<br>1<br>3<br>5<br>3<br>4<br>3 | 27<br>42<br>272<br>1<br>81<br>65<br>1<br>55<br>48<br>25<br>19 | 1 2 1 (1) 1 1 (1) 1 1 1 1 1 1 1 1 |  |  |
| Total   | 130   | 61, 127  | 26, 854  | 44   | 34, 273   | 56   | 8, 234   | 13  | 2, 560   | 4  | 644   | 1                                 |  |  |

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

According to this table 44 per cent of the employees in the payroll week covered worked full time or over, and 56 per cent did not work full time. Thirteen per cent worked under 75 per cent of full time. By deduction it is seen that 43 per cent of the employees worked 75 per cent of full time but less than full time.

In addition to the foregoing table stating the extent to which employees actually worked the full time of the establishments, Table 4 is presented, summarizing Table D, page 110, showing for each occupation the average full-time hours per week of the establishments in comparison with the average hours actually worked in the pay-roll week reported, and comparing the average full-time weekly earnings with the average amount actually earned in the week with more or less time lost by some employees.

TABLE 4.—AVERAGE FULL-TIME HOURS, HOURS ACTUALLY WORKED, FULL-TIME WEEKLY EARNINGS, AND AMOUNTS ACTUALLY EARNED DURING ONE WEEK, 1916,

|  |   |   |   | <del></del>   |  |  |
|--|---|---|---|---|--|--|
| Occupation and sex.  | Number<br>of estab-<br>lish-<br>ments.  | Number<br>of em-<br>ployees.                                    | A verage<br>full-time<br>hours per<br>week of<br>establish-<br>ments.         | A verage<br>hours<br>actually<br>worked<br>per em-<br>ployee<br>during<br>one week. | Average<br>full-time<br>weekly<br>earnings.  | Average<br>amount<br>actually<br>earned<br>per<br>employee<br>during<br>one week.      |
| CUTTING DEPARTMENT.  | ł                                       |   |   |   |  | i  |
| Cutters, vamp and whole shoe, hand, male.<br>Cutters, vamp and whole shoe, machine,  | 110                                     | 2,304   | 53.6  | 46.5  | \$20.19  | \$17.31  |
| male   | 63<br>32<br>108                         | 1,019<br>124<br>571   | 54. 9<br>54. 6<br>53. 9   | 51.0<br>47.7<br>47.9  | 18, 11<br>16, 93<br>11, 35   | 16. 77<br>14. 87<br>9. 98  |
| SOLE-LEATHER DEPARTMENT.   |   |   |   |   |  |  |
| Cutters, outsole, male<br>Channelers, insole and outsole, male   | 68<br>101                               | 334<br>246  | 54. 7<br>55. 0  | 51. 6<br>49. 4  | 16. 83<br>18. 81   | 15. 79<br>16. 65   |
| FITTING OR STITCHING DEPARTMENT.   |   |   | }   |   |  |  |
| Tip stitchers, female Backstay stitchers, female. Lining makers, female Closers-on, female Top stitchers or under trimmers, female. Button fasteners, female Buttonhole makers, female Vampers, male. Vampers, male.   | 123<br>80                               | 429<br>555<br>967<br>353<br>1,379<br>184<br>451<br>609<br>1,338 | 54. 0<br>53. 9<br>52. 8<br>53. 5<br>53. 6<br>53. 6<br>53. 7<br>54. 6<br>53. 8 | 48. 0<br>47. 2<br>47. 1<br>47. 2<br>47. 6<br>47. 3<br>46. 1<br>47. 1<br>48. 2       | 12, 55<br>11, 50<br>10, 76<br>10, 99<br>11, 89<br>11, 51<br>11, 76<br>18, 23<br>13, 73 | 11. 14<br>9. 99<br>9. 38<br>9. 67<br>10. 46<br>10. 12<br>9. 99<br>15. 65<br>12. 24     |
| LASTING DEPARTMENT.  |   |   |   |   |  |  |
| Assemblers, for pulling-over machine, male Pullers-over, hand, male. Pullers-over, machine, male. Side lasters, hand, male. Side lasters, machine, male. Bed-machine operators, male. Hand-method lasting-machine operators, male. Turn lasters, hand, male. | 92<br>46<br>110<br>39<br>42<br>88<br>61 | 777<br>543<br>624<br>356<br>286<br>1,310<br>527<br>942          | 55. 0<br>54. 8<br>55. 0<br>54. 1<br>54. 8<br>54. 9                            | 47. 6<br>48. 1<br>48. 2<br>49. 7<br>48. 1<br>49. 5<br>48. 7<br>48. 1                | 16. 05<br>18. 99<br>20. 63<br>17. 53<br>18. 55<br>19. 07                               | 13. 72<br>16. 60<br>17. 94<br>16. 05<br>16. 23<br>17. 15                               |
| Turn sewers, male  | 28                                      | 79  | 54. 4   | 49, 0   | 23.97  | 21. 22   |
| BOTTOMING DEPARTMENT.  |   |   |   | ** 0  |  |  |
| Goodyear welters, male Rough rounders, male Goodyear stitchers, male McKay sewers, male Loose-nail and standard-screw machine  | 84<br>86<br>91<br>56                    | 454<br>284<br>637<br>202  | 54. 9<br>54. 8<br>· 54. 8<br>55. 2  | 46. 8<br>47. 4<br>48. 3<br>48. 1  | 28. 58<br>27. 13<br>24. 00<br>19. 44   | 24. 15<br>23. 15<br>20. 98<br>16. 75   |
| operators, male. Heelers, male. Heel trimmers or shavers, male. Heel breasters, male. Edge trimmers, male. Edge setters, male. Heel scourers, male. Heel burnishers, male. Buffers, male.  | 22<br>124<br>116                        | 71<br>427<br>361<br>226<br>1,048<br>935<br>491<br>358<br>523    | 55. 4<br>55. 0<br>54. 9<br>55. 1<br>54. 8<br>54. 8<br>55. 0<br>55. 2          | 49. 6<br>48. 5<br>47. 7<br>49. 6<br>48. 8<br>47. 5<br>49. 8                         | 17. 65<br>23. 68<br>24. 57<br>17. 56<br>23. 25<br>22. 70<br>18. 96<br>17. 90<br>17. 97 | 15. 76<br>20, 79<br>21. 18<br>15. 77<br>20. 94<br>20. 14<br>17. 00<br>16. 08<br>16. 16 |
| . FINISHING DEPARTMENT.  |   |   |   |   |  |  |
| Treers or ironers, hand, male  | 103<br>14<br>27                         | 1,268<br>142<br>345   | 55. 0<br>53. 1<br>54. 7   | 50. 8<br>47. 7<br>51. 3   | 16. 35<br>9. 87<br>14. 56  | 15. 01<br>8. 87<br>13. 71  |
| ALL DEPARTMENTS.   |   |   |   |   |  |  |
| Other employees, male Other employees, female  | 129<br>128                              | 22,887<br>14,361  | 54. 9<br>53. 8  | 50. 3<br>48. 4  | 13. 45<br>9. 67  | 12, 31<br>8, 70  |

### EXPLANATION OF SCOPE AND METHOD.

This report includes establishments whose principal or only products are shoes made by the McKay, welt, or turn process, or loosenailed or screwed shoes. Men's, women's, and children's shoes are included. Data are not included from establishments whose main or sole products are pegged shoes, or specialties such as slippers, leggings, felt boots, etc., nor from establishments doing only fitting or making sole stock. All data were secured from pay rolls of the

various establishments by the agents of the bureau. The number of establishments included or summarized in the report has varied considerably since 1907, as follows:

| 1907 to 1910  | 26 identical establishments. |
|---------------|------------------------------|
| 1910 and 1911 | 60 identical establishments. |
| 1911 and 1912 | 81 identical establishments. |
| 1912 and 1913 | 88 identical establishments. |
| 1913 and 1914 | 84 identical establishments. |
| 1914 and 1916 | 82 identical establishments. |

In addition to the 82 establishments from which data were secured for 1914 and 1916, data were secured from 54 establishments for 1916 only, making a total of 136 establishments from which data for 1916 are presented.

In selecting establishments from which to secure data, the bureau undertook to represent all States in which boot and shoe manufacturing is of material importance, the measure of importance being the number of employees as reported by the United States Census of Manufactures. Table 5 which follows shows, by States, the number of employees in this industry as reported by the United States Census, 1910; the number of establishments from which the bureau secured data for 1916; and the number of employees in such establishments:

TABLE 5.—TOTAL NUMBER OF EMPLOYEES IN BOOT AND SHOE MANUFACTURING AND NUMBER OF EMPLOYEES IN ESTABLISHMENTS FOR WHICH DATA ARE SHOWN FOR 1916.

| State.  | Number of<br>employees<br>reported<br>by United<br>States  | employee<br>data are                                    | aents and<br>s for which<br>shown by<br>au of Labor<br>for 1916.   |
|---|--|---|--|
|   | census,<br>1910.   | Number of establish-<br>ments.                          | Number of employees.   |
| Massachusetts. New York. Missouri Ohio. New Hampshire. Pennsylvania Maine. Illinois Wisconsin New Jersey. Virginia. Minnesota Michigan Other States | 17, 396<br>16, 026<br>14, 211<br>10, 822<br>6, 626<br>5, 792<br>5, 431<br>4, 232<br>2, 711<br>2, 664<br>2, 455 | 52<br>14<br>14<br>8<br>11<br>9<br>6<br>4<br>4<br>3<br>3 | 24,155<br>7,726<br>6,946<br>4,979<br>5,884<br>4,003<br>2,249<br>2,713<br>1,357<br>1,079<br>719<br>1,006<br>818 |
| Total   | 198, 297   | 136   | 63,634   |

According to the census of 1910, more than 97 per cent of the total number of employees in the industry are found in the States in which the establishments furnishing information to the Bureau of Labor Statistics are located. The number of employees for which the bureau secured 1916 data and for which detailed information for 1916 is presented in this report is more than 32 per cent of the total persons in the industry in 1910.

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

The rates of wages per hour appearing in the tables include the wages of timeworkers and the earnings of pieceworkers. All time rates not already on an hourly basis have been reduced to rates per hour, and the earnings of pieceworkers and of persons working at both time and piece rates have been reduced to rates per hour by dividing the earnings by the hours worked. Where there was no record regularly kept of the actual time worked by employees, the establishments, at the request of the bureau, kept a record for the pay-roll period selected.

The full-time weekly earnings are the earnings of employees working full time, or the earnings on broken time reduced to equivalent earnings for a full week. In addition to the full-time weekly earnings in several tables, the actual earnings of employees during one week are shown in Table D.

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

Descriptions of all the operations in the manufacture of a pair of shoes are given in Appendix A, page 133. Figures relating to wages and hours are shown in the tables for 37 of the more important occupations. Hand and machine work on the same process are presented as separate occupations. The sex of employees is shown for each occupation. Of the 37 occupations tabulated, data are shown for males alone in 27 occupations, for females alone in 7 occupations, and for both males and females in 3 occupations. The occupations, which are arranged in order of manufacture, are as follows:

#### Cutting department:

Cutters, vamp and whole shoe, hand. Cutters, vamp and whole shoe, machine.

Skivers, upper, machine.

Sole-leather department: Cutters, outsole.

Channelers, insole and outsole.

Fitting or stitching department:

Tip stitchers.

Backstay stitchers.

Lining makers.

Closers-on.

Top stitchers or undertrimmers.

Button fasteners.

Fitting or stitching department—Concld. Buttonhole makers.

Vampers.

Lasting department:

Assemblers, for pulling-over machine.

Pullers-over, hand.

Pullers-over, machine.

Side lasters, hand.

Side lasters, machine.

Bed-machine operators.

Hand-method lasting-machine opera-

Turn lasters, hand.

Turn sewers.

Bottoming department:

Goodyear welters.

Rough rounders.

Goodyear stitchers.

McKay sewers.

Loose-nail and standard-screw machine operators.

Heelers.

Heel trimmers or shavers.

Heel breasters.

Bottoming department—Concluded.

Edge trimmers.

Edge trimmen Edge setters.

Heel scourers.

Heel burnishers.

Buffers.

Finishing department:

Treers or ironers, hand.

Treers or ironers, machine.

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

In addition to the text tables already shown, four general tables are produced as follows:

Table A.—Average and classified full-time hours per week and rates of wages per hour, and average full-time weekly earnings, in the United States, by years, 1907 to 1916.

In this table the figures opposite each group of years are for identical establishments. When a second line is shown for 1916, it contains all data secured for 1916, whether or not comparable data for 1914 were available. Classified rates per hour are not presented prior to 1913 because of incomplete record, in many instances, of the time worked. Beginning with 1913 such records were kept in a satisfactory manner, and classified rates per hour are shown for the later years.

Table B.—Average and classified full-time hours per week and rates of wages per hour, and average full-time weekly earnings, in each State, by years, 1914 and 1916.

In this table the figures for both years are for identical establishments, and do not include data from establishments furnishing information for 1916 only.

Table C.—Average and classified full-time hours per week and rates of wages per hour, and average full-time weekly earnings, by States, 1916.

This table includes all data secured for 1916, whether or not comparable data for 1914 were available.

Table D.—Average full-time hours, hours actually worked, full-time weekly earnings, and amounts actually earned; and number of employees working each classified per cent of full time and earning each classified amount, during one week, by States, 1916.

This table includes data from all establishments from which information was secured for 1916, except 6 establishments having biweekly pay rolls. The data used are from weekly pay rolls.

The purpose of this table is to compare the time actually worked by employees with the full working time of the establishments, and the average amount actually earned, with more or less broken time of some employees, with the possible full-time earnings.

In Appendix B is a table showing the time and labor cost of making 100 pairs of welt shoes.

Table A.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK EARNINGS, IN THE UNITED STATES,

[The figures opposite each group of years are for identical establishments. When a second line is shown

|             | Occupation, sex, and number of establishments. |       | Num-                           | Aver-         | Aver-<br>age               | Aver-<br>age<br>full- | Employees whose full-time hours pe<br>week were— |                           |     |                                   |                           |     |
|-------------|--|-------|--------------------------------|---------------|----------------------------|-----------------------|--|---------------------------|-----|-----------------------------------|---------------------------|-----|
| Line<br>No. | number of establish-                           | Year. | ber of<br>em-<br>ploy-<br>ees. | full-<br>time | rate<br>of<br>wages<br>per | time                  | Over<br>48<br>and<br>under<br>51.                | 51<br>and<br>under<br>54, | 54. | Over<br>54<br>and<br>under<br>57. | 57<br>and<br>under<br>60. | 60. |

#### CUTTING DEPARTMENT.

|          |   | •                    | CUTTIN             | G DE                 | PAR                     | LIATER           | VI.           |                   |                   |                   |                   |            |
|----------|---|----------------------|--------------------|----------------------|-------------------------|------------------|---------------|-------------------|-------------------|-------------------|-------------------|------------|
| 1 2 3    | Cutters, vamp and whole shoe, hand, male: 20 establishments | 1907<br>1908<br>1909 | 919<br>907<br>907  | 54.9<br>54.8<br>54.7 | \$0.325<br>.332<br>.340 | 18.19            | 11<br>6<br>14 | 157<br>175<br>159 | 343<br>331<br>346 | 252<br>283<br>286 | 156<br>112<br>102 |            |
| 4        |   | 1910                 | 852                | 54.7                 | .345                    | 18.87            | 13            | 176               | 278               | 291               | 94                |            |
| 5<br>6   | 48 establishments   | 1910<br>1911         | 1,650<br>1,602     | 56. 0<br>56. 2       | . 319<br>. 317          | 17.86<br>17.75   | 13<br>14      | 176<br>158        | 405<br>425        | 395<br>398        | 319<br>311        | 342<br>296 |
| 7<br>8   | 64 establishments   | 1911<br>1912         | 2,066<br>1,906     | 56. 2<br>55. 0       | .313<br>.322            | 17. 50<br>17. 63 | 217           | 158<br>162        | 589<br>720        | 587<br>272        | 384<br>323        | 348<br>212 |
| 9<br>10  | 71 establishments   | 1912<br>1913         | 1, 995<br>1, 987   | 55. 0<br>54. 5       | . 322<br>. 351          | 17. 58<br>19. 05 | 242<br>231    | 162<br>224        | 738<br>803        | 297<br>364        | 336<br>313        | 220<br>52  |
| 11<br>12 | 68 establishments   | 1913<br>1914         | 1, 923<br>1, 757   | 54. 5<br>53. 8       | . 352<br>. 368          | 19. 10<br>19. 70 | 211<br>354    | 224<br>308        | 803<br>405        | 350<br>476        | 283<br>183        | 52<br>31   |
| 13<br>14 | 69 establishments   | 1914<br>1916         | 1,667<br>1,790     | 54. 1<br>54. 1       | . 366<br>. 379          | 19. 70<br>20. 42 | 271<br>255    | 318<br>335        | 393<br>481        | 435<br>468        | 195<br>193        | 55<br>58   |
| 15       | 113 establishments  | 1916                 | 2,355              | 53.9                 | .375                    | 20.12            | 434           | 380               | 641               | 603               | 224               | 73         |
|          | Cutters, vamp and whole shoe, machine, male:                |                      |                    |                      |                         |                  |               |                   |                   | ,                 |                   |            |
| 16<br>17 | 17 establishments   | 1910<br>1911         | 235<br>226         | 57. 8<br>57. 2       | . 301<br>. 300          | 17. 23<br>17. 09 |               |                   | 13<br>15          | 70<br>75          | 98<br>102         | 54<br>34   |
| 18<br>19 | 20 establishments   | 1911<br>1912         | 270<br>300         | 57. 0<br>55. 5       | .313<br>.319            | 17.69<br>17.54   | 29            | <u>24</u>         | 59<br>113         | 69                | 87<br>85          | 55<br>49   |
| 20<br>21 | 33 establishments   | 1912<br>1913         | 490<br>549         | 55. 8<br>55. 3       | . 313<br>. 323          | 17.36<br>17.77   | 29<br>32      | 24<br>27          | 186<br>213        | 41<br>117         | 124<br>121        | 86<br>39   |
| 22<br>23 | 35 establishments   | 1913<br>1914         | 528<br>568         | 55. 5<br>55. 1       | .322<br>.328            | 17. 70<br>17. 96 | 29<br>58      | 27<br>20          | 178<br>133        | 129<br>228        | 126<br>124        | 39<br>5    |
| 24<br>25 | 36 establishments   | 1914<br>1916         | 600<br><b>72</b> 8 | 55. 5<br>55. 4       | .323<br>.325            | 17. 84<br>17. 86 | 37<br>37      | 20<br>24          | 131<br>172        | 253<br>336        | 154<br>152        | 5<br>7     |
| 26       | 67 establishments   | 1916                 | 1,059              | 54.9                 | . 331                   | 18.07            | 114           | 32                | 232               | 496               | 159               | 26         |
| 27<br>28 | Skivers, upper, machine, male: 12 establishments            | 1910<br>1911         | 74<br>79           | 54. 7<br>54. 7       | .288                    | 15. 80<br>17. 15 |               |                   | 49<br>52          | 13<br>21          | 12<br><b>6</b>    |            |
| 29<br>30 | 28 establishments   | 1911<br>1912         | 136<br>146         | 54. 8<br>54. 6       | . 292                   | 15.98<br>15.73   |               | iö                | 92<br>100         | 24<br>11          | 20<br>24          | i          |
| 31<br>32 | 32 establishments   | 1912<br>1913         | 156<br>134         | 54. 7<br>54. 5       | . 282<br>. 299          | 15. 41<br>16. 23 |               | 10<br>11          | 105<br>87         | 11<br>24          | 29<br>12          | 1          |
| 33<br>34 | 22 establishments   | 1913<br>1914         | 123<br>107         | 54.3<br>54.2         | .300<br>.304            | 16. 26<br>16. 47 |               | 11<br>10          | 87<br>75          | 19<br>19          | 63                |            |
| 35<br>36 | 19 establishments   | 1914<br>1916         | 93<br>92           | 54. 1<br>54. 1       | . 318<br>. 331          | 17. 21<br>17. 87 |               | 10<br>11          | 71<br>70          | 9<br>8            | 3                 |            |
| 37       | 32 establishments   | 1916                 | 124                | 54.6                 | . 311                   | 16.93            |               | 11                | 81                | 16                | 15                | 1          |

## AND RATES OF WAGES PER HOUR, AND AVERAGE FULL-TIME WEEKLY BY YEARS, 1907 TO 1916.

for 1916 it contains all data secured for 1916, whether or not comparable data for 1914 were available.]

|                      |                                  |                                   |                              |                              |                              |                                    |                                    |                                    |                                    |                                    |                                    |                             | -           |
|----------------------|----------------------------------|-----------------------------------|------------------------------|------------------------------|------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|-----------------------------|-------------|
|                      |                                  |                                   | Em                           | ployees                      | whose i                      | ates of                            | wages p                            | er hour                            | were                               |                                    |                                    |                             |             |
| Under<br>6<br>cents. | 6<br>and<br>under<br>8<br>cents. | 8<br>and<br>under<br>10<br>cents. | and<br>under<br>12<br>cents. | and<br>under<br>14<br>cents. | and<br>under<br>16<br>cents. | 16<br>and<br>under<br>18<br>cents. | 18<br>and<br>under<br>20<br>cents. | 20<br>and<br>under<br>25<br>cents. | 25<br>and<br>under<br>30<br>cents. | 30<br>and<br>under<br>40<br>cents. | 40<br>and<br>under<br>50<br>cents. | 50<br>cents<br>and<br>over. | Line<br>No. |
|                      |                                  |                                   |                              | •                            | CUTTI                        | NG D                               | EPART                              | rment                              | r.                                 |                                    |                                    |                             |             |
|                      |                                  |                                   |                              |                              |                              |                                    |                                    |                                    |                                    |                                    |                                    |                             |             |
|                      | 1                                | l                                 | Class                        | sified da                    | ata for y                    | ears pr                            | ior to 19                          | )<br>13 not a                      | vailable                           | è.                                 | ł .                                |                             | 1 2 3 4 5 6 |
|                      |                                  |                                   |                              |                              |                              |                                    |                                    |                                    |                                    |                                    |                                    |                             | 6<br>7<br>8 |
|                      |                                  |                                   |                              |                              | <u>2</u>                     | 25                                 | 19                                 | 153                                | 290                                | 1,048                              | 342                                | 108                         | 9<br>10     |
|                      |                                  |                                   |                              | 2                            | 2<br>14                      | 25<br>14                           | 19<br>26                           |                                    | 262<br>184                         | 1, 015<br>860                      | 340<br>367                         | 108<br>179                  | 11<br>12    |
|                      |                                  |                                   |                              | 2                            | 14<br>3                      |                                    | 17<br>12                           |                                    | 168<br>176                         |                                    | 328<br>469                         | 155<br>175                  | 13<br>14    |
|                      |                                  |                                   |                              | 1                            | 6                            | 11                                 | 16                                 | 137                                | 274                                | 1,077                              | 623                                | 210                         | 15          |
|                      |                                  |                                   | j                            |                              |                              |                                    |                                    |                                    | 1                                  |                                    |                                    |                             | 16<br>17    |
| )                    | 1                                | 1                                 | Class                        | sified da                    | ta for y                     | ears pr                            | ior to 19                          | )13 not &                          | vailabl                            | e.                                 | (                                  | ſ                           | 18<br>19    |
|                      |                                  |                                   |                              | i                            | 7                            | <sub>13</sub>                      | 16                                 | 76                                 | 95                                 | 277                                | 48                                 | 16                          | 20<br>21    |
| •                    |                                  |                                   |                              | 1 3                          |                              | 12                                 | 17                                 | 87                                 | 89<br>95                           |                                    | 38<br>58                           | 15<br>19                    | 23          |
|                      |                                  | ·····i                            |                              | 3<br>5                       | 3                            | ł                                  | 26                                 | 106                                | 139                                | i                                  | 49<br>172                          | 16<br>22                    | 25          |
|                      |                                  | 1                                 |                              | 5                            | 3                            | 29                                 | 29                                 | 134                                | 181                                | 409                                | 232                                | 36                          | 26          |
|                      | J                                | !                                 | Class                        | ified da                     | ta for v                     | <br>ears pri                       | i<br>or to 19                      | 13 not a                           | i<br>vailahle                      | }                                  | [                                  | 1                           | 27<br>28    |
|                      | 1                                | I                                 |                              | !                            |                              | i                                  | 1                                  | 1                                  | 1                                  | ſ                                  | ſ                                  | i                           | 29<br>30    |
|                      |                                  |                                   |                              | <sub>2</sub>                 |                              | 4                                  | 4                                  |                                    | 34                                 | 61                                 | 10                                 | i                           | -           |
|                      |                                  |                                   |                              | 2 2                          |                              | 3                                  | 6                                  | 5                                  | 14                                 | 66                                 | 10                                 | 3                           | 34          |
|                      |                                  |                                   |                              |                              | 1                            |                                    | 2 2 2                              | !                                  | j                                  | 61                                 | 8                                  | 1<br>5                      | Į.          |
| 1                    |                                  | · · · · · · ·                     | 2                            | 3                            | 1                            | 1                                  | 2                                  | 11                                 | 19                                 | 71                                 | , 9                                | 9                           | 3/          |

Table A.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK EARNINGS, IN THE UNITED STATES,

|                      |   |                              |                                | E                                      | ARN          | INGS                                  | S, IN                             | THE                       | UNI                  | TED                               | STA                       | TES,      |
|----------------------|---|------------------------------|--------------------------------|--|--------------|---------------------------------------|-----------------------------------|---------------------------|----------------------|-----------------------------------|---------------------------|-----------|
|                      | 0   |                              | Num-                           | Average                                | Aver-        | Aver-<br>age<br>full-                 | Empl                              | oyees v                   | vhose i              | full-tin<br>were—                 | ne hou                    | rs per    |
| Line<br>No.          | Occupation, sex, and<br>number of establish-<br>ments.  | Year.                        | ber of<br>em-<br>ploy-<br>ees. | full-<br>time<br>hours<br>per<br>week. | per          | time<br>week-<br>ly<br>earn-<br>ings. | Over<br>48<br>and<br>under<br>51. | 51<br>and<br>under<br>54. | 54.                  | Over<br>54<br>and<br>ander<br>57. | 57<br>and<br>under<br>60. | 60.       |
|                      |   | CUTT                         | ING D                          | EPAR                                   | TME          | NT-C                                  | onclude                           | ed.                       |                      |                                   |                           |           |
|                      | Skivers, upper, machine, female:                        |                              |                                |  |              |                                       |                                   |                           |                      |                                   |                           |           |
| 1<br>2<br>3<br>4     | 13 establishments                                       | 1907<br>1908<br>1909<br>1910 | 74<br>70<br>79<br>85           | 56. 1<br>56. 5<br>56. 3<br>56. 0       | . 191        | \$10.55<br>10.85<br>10.75<br>10.92    |                                   |                           | 8<br>7<br>11<br>8    | 37<br>27<br>31<br>35              | 29<br>36<br>37<br>42      |           |
| 5<br>6               | 49 establishments                                       | 1910<br>1911                 | 338<br>314                     | 57.0<br>57.3                           |              | 9. 94<br>9. 97                        | 1 2                               | 30<br>25                  | 40<br>25             | 81<br>84                          | 86<br>94                  | 100<br>84 |
| 7 8                  | 60 establishments                                       | 1911<br>1912                 | 37 <b>4</b><br>345             | 57.0<br>55.1                           | .176<br>.191 | 9. 97<br>10. 54                       | 9                                 | 25<br>26                  | 33<br>158            |                                   | 108<br>91                 | 95<br>11  |
| 9<br>10              | 67 establishments                                       | 1912<br>1913                 | 371<br>439                     | 55.0<br>54.6                           |              | 10.58<br>11.38                        |                                   | 26<br>32                  | 179<br><b>2</b> 31   | 59<br>104                         | 87<br>60                  | 11        |
| 11<br>12             | 65 establishments                                       | 1913<br>1914                 | 439<br>402                     | 54. 6<br>54. 0                         |              | 11. 29<br>11. 35                      | 12<br>26                          | 32<br>64                  | 227<br>192           | 110<br>99                         | 58<br>21                  |           |
| 13<br>14             | 72 establishments                                       | 1914<br>1916                 | 418<br>466                     | 54. 1<br>54. 2                         |              | 11. 16<br>11. 09                      |                                   | 64<br>67                  | $\frac{190}{244}$    | 111<br>118                        | 27<br>21                  |           |
| 15                   | 113 establishments                                      | 1916                         | 591                            | 54.0                                   | . 209        | 11. 26                                | 38                                | 85                        | 306                  | 140                               | 22                        |           |
|                      |   | SOL                          | E-LEAT                         | THER                                   | DEP          | ARTN                                  | MENT.                             |                           |                      |                                   |                           |           |
| 16<br>17<br>18<br>19 | Cutters, outsole, male: 10 establishments               | 1907<br>1908<br>1909<br>1910 | 50<br>47<br>49<br>54           | 54. 8<br>54. 5<br>54. 5<br>54. 4       | .307         | 16.79<br>16.73                        |                                   |                           | 38<br>35<br>37<br>42 | 5<br>10<br>10<br>10               | 7<br>2<br>2<br>2          |           |
| 20<br>21             | 31 establishments                                       | 1910<br>1911                 | 143<br>129                     | 56. 6<br>56. 5                         |              | 15. 44<br>15. 62                      |                                   |                           | 48<br>40             | 29<br>34                          | 46<br>39                  | 20<br>16  |
| 22<br>23             | 36 establishments                                       | 1911<br>1912                 | 146<br>161                     | 56. 6<br>56. 4                         |              | 15. 70<br>16. 09                      |                                   | 2                         | 43<br>56             | 43<br>34                          | 39<br>48                  | 21<br>21  |
| 24<br>25             | 42 establishments                                       | 1912<br>1913                 | 177<br>196                     | 56. 2<br>55. 4                         |              | 15.75<br>16.69                        |                                   | 2<br>16                   | 66<br>83             | 39<br>46                          | 49<br>51                  | 21<br>    |
| 26<br>27             | 38 establishments                                       | 1913<br>1914                 | 186<br>175                     |  |              | 16.75<br>17.12                        |                                   | 16<br>9                   | 83<br>88             | 42<br>58                          | 45<br><b>1</b> 0          | 8         |
| 28<br>29             | 38 establishments                                       | 1914<br>1916                 | 205<br>219                     | 55. 0<br>55. 0                         |              | 16.71<br>17.02                        | $\frac{2}{2}$                     | 3<br>4                    | 87<br>95             | 89<br>89                          | 13<br>18                  | H         |
| 30                   | 64 establishments                                       | 1916                         | 345                            | 54.7                                   | .307         | 16.74                                 | 29                                | 9                         | 111                  | 162                               | 19                        | 15        |
| 31<br>32<br>33<br>34 | Channelers, insole and outsole, male: 10 establishments | 1907<br>1908<br>1909<br>1910 | 23<br>23<br>23<br>23<br>23     | 55. 1<br>55. 1<br>54. 7<br>54. 7       | . 296        | 16.31<br>16.74                        | 4                                 |                           | 8<br>8<br>10<br>10   | 2<br>2                            | 9<br>9<br>7<br>7          |           |
| 35<br>36             | 44 establishments                                       | 1910<br>1911                 | 138<br>140                     | 56.3<br>56.2                           |              |                                       | 4                                 | 7<br>7                    | 39<br>37             |                                   | 48<br>48                  | 18<br>13  |
| 37<br>38             | 57 establishments                                       | 1911<br>1912                 | 157<br>149                     | 56.3<br>55.5                           |              |                                       |                                   | 7<br>12                   | 46<br>61             |                                   | 45<br>39                  | 21<br>7   |
| 39<br>40             | 75 establishments                                       | 1912<br>1913                 | 200<br>196                     | 55. 9<br>55. 4                         |              | 16.62<br>18.42                        |                                   | 12<br>17                  | 63<br>71             | 52<br>59                          | 57<br>44                  | 16<br>5   |
| 41<br>42             | 69 establishments                                       | 1913<br>1914                 | 190<br>194                     | 55. 4<br>55. 0                         |              | 18. 48<br>18. 51                      | 3                                 | 17<br>26                  | 70<br>48             |                                   | 40<br>29                  | 7<br>4    |
| 43<br>44             | 70 establishments                                       | 1914<br>1916                 | 202<br>197                     | 55. 1<br>55. 2                         | .328         | 18.02<br>18.51                        | 6                                 | 26<br>23                  | 49.<br>48            |                                   | 34<br>35                  | 8<br>9    |
| 45                   | 107 establishments.                                     | 1916                         | 255                            | 55.0                                   | .340         | 18.69                                 | 13                                | 28                        | 67                   | 98                                | 39                        | 10        |

## AND RATES OF WAGES PER HOUR, AND AVERAGE FULL-TIME WEEKLY BY YEARS, 1907 TO 1916—Continued.

|                      |                                  |  | Em                                 | ployees                      | whose r                      | ates of v      | vages p                            | er hour                            | were-                              |                                    |                                    |                             |             |
|----------------------|----------------------------------|--|------------------------------------|------------------------------|------------------------------|----------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|-----------------------------|-------------|
| Under<br>6<br>cents. | 6<br>and<br>under<br>8<br>cents. | 8<br>and<br>under<br>10<br>cents.  | 10<br>and<br>under<br>12<br>cents. | and<br>under<br>14<br>cents. | and<br>under<br>16<br>cents. | 18             | 18<br>and<br>under<br>20<br>cents. | 20<br>and<br>under<br>25<br>cents. | 25<br>and<br>under<br>30<br>cents. | 30<br>and<br>under<br>40<br>cents. | 40<br>and<br>under<br>50<br>cents. | 50<br>cents<br>and<br>over. | Lin<br>No   |
|                      |                                  |  |                                    | CUTT                         | ING D                        | EPAR'          | rmen                               | T—Cor                              | cluded.                            |                                    |                                    |                             | <del></del> |
| ı                    |                                  |  |                                    |                              |                              |                |                                    |                                    |                                    |                                    |                                    |                             | ,           |
|                      |                                  |  |                                    |                              |                              |                |                                    |                                    |                                    |                                    |                                    |                             |             |
|                      |                                  |  | Class                              | ified da                     | ta for y                     | ears prio      | r to 191                           | 3 not a                            | vailable.                          |                                    |                                    |                             | ľ           |
|                      | ļ                                |  | l                                  | l                            | l                            |                |                                    |                                    | [                                  |                                    | l                                  | l. <b></b> .                |             |
|                      |                                  | 3  | 20<br>23                           | 26<br>30                     | 33<br>33<br>35               | 65<br>64       | 57<br>56                           | 134<br>131                         | 66<br>65                           | 31<br>30                           |                                    |                             |             |
|                      | 1                                | 4<br>10  | 14<br>11<br>27                     | 21<br>22<br>29               | 42<br>49                     | 62<br>74<br>80 | 54<br>54<br>33                     | 113<br>119<br>128                  | 60                                 | 29<br>27<br>40                     | 4                                  |                             |             |
|                      |                                  | 10   |                                    | 41                           |                              | 102            | 49                                 | 157                                | 77                                 | 62                                 |                                    | l                           |             |
|                      | 1                                | 1  | ı                                  | SOI                          | LE-LEA                       | THER           | DEP                                | ARTM                               | ENT.                               |                                    |                                    |                             |             |
|                      |                                  | 1  |                                    |                              |                              |                |                                    |                                    |                                    |                                    |                                    | ļ                           | 1           |
|                      |                                  |  |                                    |                              |                              |                |                                    |                                    |                                    |                                    |                                    |                             |             |
| •                    |                                  |  | Class                              | ified da                     | ta for y                     | ears pric      | r to 191                           | l3 not a                           | vailable                           |                                    |                                    |                             |             |
|                      | [                                | 1  | 1                                  | l                            | ı                            | ı <b>i</b>     |                                    | i                                  | 1 1                                |                                    | ı                                  | i                           |             |
|                      |                                  |  |                                    |                              |                              | 3              | ····i                              | 20                                 |                                    | 112                                | 1                                  |                             |             |
|                      |                                  |  |                                    |                              | 1                            | 3<br>3         | 1                                  | 19<br>12                           | 41                                 | 111<br>116                         | 1                                  |                             |             |
|                      |                                  |  |                                    |                              | 1                            | 3              | 1                                  | 18<br>26                           | 52                                 | 117<br>140                         |                                    | 1                           | 1           |
|                      | 1                                |  |                                    |                              |                              | 1              |                                    | 44                                 | 98                                 | 197                                | 5                                  | 1                           |             |
|                      |                                  |  |                                    |                              |                              |                | •••••                              | 4.                                 |                                    | 197                                |                                    |                             |             |
|                      |                                  |  |                                    | ]                            |                              |                | •••••                              | 1                                  |                                    | 197                                |                                    |                             |             |
|                      |                                  |  | Class                              | b bailie                     | ata for v                    | reare pri      | or to 19                           |                                    |                                    |                                    |                                    |                             |             |
|                      |                                  | and the second s | Clas                               | sified da                    | ata for y                    | ears pri       | or to 19                           |                                    |                                    |                                    |                                    |                             |             |
| }                    |                                  |  | Clas                               | sified da                    | ata for y                    | ears pri       | or to 19                           |                                    |                                    |                                    | 1                                  |                             |             |
| }                    |                                  |  | Clas                               | sified da                    | ata for y                    | 2              | <br>2                              | 13 not a                           | available                          | ).<br>94                           |                                    |                             |             |
| }                    |                                  |  | Clas                               | sified da                    | 2                            | 2<br>2<br>1    | 2<br>1<br>3                        | 13 not a                           | available 44 43 38                 | 94<br>90<br>91                     | 30<br>33                           | 7                           |             |
|                      |                                  |  | Clas                               |                              | 2 2 3                        | 2<br>2<br>1    | <br>2                              | 18 not a                           | 44<br>43<br>38<br>40               | 94<br>90                           | 30<br>33<br>31                     | 4                           |             |

Table A.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK EARNINGS, IN THE UNITED STATES,

|             | Occupation, sex, and number of establishments. |       | Num-                           | Aver- | age                                 | full- | Employees whose full-time hours per week were— |                           |     |                                   |                           |     |  |
|-------------|--|-------|--------------------------------|-------|-------------------------------------|-------|--|---------------------------|-----|-----------------------------------|---------------------------|-----|--|
| Line<br>No. | number of establish-                           | Year. | ber of<br>em-<br>ploy-<br>ees. | per   | rate<br>of<br>wages<br>per<br>hour. | time  | 48   | 51<br>and<br>under<br>54. | 54. | Over<br>54<br>and<br>under<br>57. | 57<br>and<br>under<br>60. | 60. |  |

### FITTING OR STITCHING DEPARTMENT.

|                      |   |                              |                          |                                  |                              |                                  |          |           |                      |                      |                      |             | _ |
|----------------------|---|------------------------------|--------------------------|----------------------------------|------------------------------|----------------------------------|----------|-----------|----------------------|----------------------|----------------------|-------------|---|
| 1 2                  | Tip stitchers, female:<br>36 establishments | 1911<br>1912                 | 134<br>137               | 55. 8<br>55. 2                   | \$0. 205<br>. 216            |                                  |          | 10<br>12  | 38<br>68             | 32<br>17             | 49<br>40             |             | • |
| 3<br>4               | 79 establishments                           | 1912<br>1913                 | 335<br>337               | 54. 9<br>54. 7                   | . 208<br>. 219               | 11.36<br>11.94                   |          | 17<br>27  | 186<br>175           | 48<br>78             | 68<br>47             | 6           |   |
| 5<br>6               | 75 establishments                           | 1913<br>1914                 | 329<br>328               | 54. 6<br>54. 1                   | . 218<br>. 218               | 11. 91<br>11. 82                 |          | 27<br>47  | 171<br>182           | 79<br>75             | 42<br>14             |             | - |
| 7<br>8               | 75 establishments                           | 1914<br>1916                 | 326<br>326               | 54. 2<br>54. 2                   | . <b>21</b> 8                | 11.81<br>12.24                   |          | 47<br>47  | 170<br>180           | 82<br>71             | 17<br>17             |             |   |
| 9                    | 124 establishments                          | 1916                         | 442                      | 54.0                             | . 231                        | 12. 45                           | 23       | 64        | 257                  | 78                   | 20.                  |             | l |
|                      | Backstay stitchers, fe-                     |                              |                          |                                  |                              |                                  |          |           |                      |                      |                      |             |   |
| 10<br>11<br>12<br>13 | male:<br>16 establishments                  | 1907<br>1908<br>1909<br>1910 | 81<br>78<br>91<br>95     | 56. 6<br>56. 5<br>56. 3<br>56. 2 | .171<br>.186<br>.177<br>.179 | 9.68<br>10.51<br>9.97<br>10.06   |          |           | 15<br>13<br>21<br>16 | 18<br>23<br>25<br>25 | 48<br>42<br>45<br>54 |             |   |
| 14<br>15             | 49 establishments                           | 1910<br>1911                 | 307<br>299               | 56. 6<br>56. 6                   | . 177<br>. 180               | 9. 95<br>10. 16                  |          | 32<br>28  | 35<br>36             | 88<br><b>79</b>      | 84<br>99             | 67<br>56    |   |
| 16<br>17             | 67 establishments                           | 1911<br>1912                 | 392<br>378               | 56. 5<br>55. 2                   | . 185<br>. 189               | 10. 42<br>10. 42                 |          | 28<br>8   | 69<br>203            | 110<br>41            | 121<br>97            | 64<br>18    |   |
| 18<br>19             | 78 establishments                           | 1912<br>1913                 | 426<br>389               | 55. 1<br>54. 7                   | . 187<br>. 195               | 10.31<br>10.62                   |          | 8<br>12   | 231<br>208           | 48<br>114            | 109<br>44            | 18          |   |
| 20<br>21             | 73 establishments                           | 1913<br>1914                 | 379<br>399               | 54.6<br>54.2                     | . 192<br>. 196               | 10. 49<br>10. 59                 |          | 12<br>39  | 206<br>227           | 112<br>104           | 38<br>16             |             |   |
| 22<br>23             | 72 establishments                           | 1914<br>1916                 | 381<br>405               | 54.3<br>54.2                     | . 198<br>. 207               | 10. 72<br>11. 23                 | 13<br>11 | 39<br>43  | 190<br>235           | 119<br>93            | 20<br>23             |             |   |
| 24                   | 125 establishments                          | 1916                         | 575                      | 54.0                             | . 213                        | 11. 47                           | 39       | 65        | 330                  | 115                  | 26                   | · · · · · · |   |
| 25<br>26<br>27<br>28 | Lining makers, female:<br>19 establishments | 1907<br>1908<br>1909<br>1910 | 124<br>112<br>122<br>154 | 56. 2<br>56. 1<br>56. 0<br>55. 9 | .175<br>.165<br>.173<br>.163 | 9. 84<br>9. 26<br>9. 69<br>9. 11 |          |           | 24<br>24<br>28<br>33 | 44<br>42<br>46<br>55 | 56<br>46<br>48<br>66 |             |   |
| 29<br>30             | 53 establishments                           | 1910<br>1911                 | 585<br>576               | 56. 5<br>56. 5                   | . 164<br>. 162               | 9. 19<br>9. 08                   | 2<br>3   | 88<br>81  | 76<br>75             | 145<br>162           | 141<br>154           | 133<br>101  |   |
| 31<br>32             | 72 establishments                           | 1911<br>1912                 | 721<br>706               | 56. 5<br>55. 0                   | . 166<br>. 171               | 9. 28<br>9. 36                   | 21       | 81<br>39  | 136<br>373           | 190<br>85            | 189<br>161           | 125<br>27   |   |
| 33<br>34             | 80 establishments                           | 1912<br>1913                 | 764<br>854               | 55.0<br>54.6                     | . 170<br>. 190               | 9.31<br>10.38                    | 21<br>29 | 39<br>47  | 391<br>469           | 98<br>199            | 188<br>110           | 27          | İ |
| 35<br>36             | 76 establishments                           | 1913<br>1914                 | 833<br>804               | 54. 5<br>53. 9                   | . 190<br>. 188               | 10.31<br>10.15                   | 29<br>52 | 47<br>134 | 457<br>409           | 199<br>177           | 101<br>32            |             |   |
| 37<br>38             | 76 establishments                           | 1914<br>1916                 | 796<br>769               | 54. 1<br>54. 1                   | . 190<br>. 200               | 10. 24<br>10. 78                 | 52<br>51 | 134<br>97 | 366<br>409           | 197<br>155           | 47<br>57             |             |   |
| 39                   | 126 establishments                          | 1916                         | 1,004                    | 53.9                             | . 198                        | 10.69                            | 91       | 124       | 561                  | 166                  | 62                   |             |   |

# AND RATES OF WAGES PER HOUR, AND AVERAGE FULL-TIME WEEKLY BY YEARS, 1907 TO 1916—Continued.

|                      |                                  |                                   | <del></del>                        |                              |                              |                                    |                                    |                                    |                                    |                                    |                                    |   |   |
|----------------------|----------------------------------|-----------------------------------|------------------------------------|------------------------------|------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|---|---|
|                      |                                  |                                   | Em                                 | ployees                      | whose                        | rates of                           | wages p                            | er hour                            | were-                              |                                    |                                    |   |   |
| Under<br>6<br>cents. | 6<br>and<br>under<br>8<br>cents. | 8<br>and<br>under<br>10<br>cents. | 10<br>and<br>under<br>12<br>cents. | and<br>under<br>14<br>cents. | and<br>under<br>16<br>cents. | 16<br>and<br>under<br>18<br>cents. | 18<br>and<br>under<br>20<br>cents. | 20<br>and<br>under<br>25<br>cents. | 25<br>and<br>under<br>30<br>cents. | 30<br>and<br>under<br>40<br>cents. | 40<br>and<br>under<br>50<br>cents. | 50<br>cents<br>and<br>over.             | Line<br>No.   |
|                      |                                  |                                   | FI                                 | TTING                        | OR S                         | STITC                              | HING                               | DEPAI                              | RTME                               | NT.                                |                                    |   |   |
| }                    |                                  |                                   | Class                              | sified de                    | ata for y                    | ears pri                           | or to 19                           | 13 not a                           | vailable                           | ə.                                 |                                    |   | $\left\{ \begin{array}{c} 1\\2 \end{array} \right.$ |
|                      |                                  |                                   |                                    |                              |                              |                                    |                                    |                                    |                                    |                                    |                                    |   |   |
|                      |                                  | 4                                 | 9                                  | 18<br>19                     | 37                           | 48<br>47                           | 28<br>28                           | 95                                 | 46<br>44                           | 45<br>45                           | 1                                  |   | 4   |
|                      |                                  | 4<br>9                            | 11<br>11                           | 20<br>21                     | 24<br>22                     | 37<br>37                           | 36<br>37                           | 95<br>93                           | 51<br>55                           | 42<br>39                           | 2                                  | 1                                       |   |
|                      |                                  | 8 7                               | 5                                  | 14                           | 22                           | 38                                 | 33                                 | 102                                | 57                                 | 43                                 | 5                                  |   | 8   |
|                      |                                  | 7                                 | 7                                  | 15                           | 35                           | 45                                 | 46                                 | 129                                | 83                                 | 69                                 | 6                                  | • • • • • • • •                         | 9   |
|                      |                                  |                                   | •                                  |                              |                              | i :                                |                                    |                                    |                                    |                                    |                                    | İ                                       | 10<br>11<br>12<br>13                                |
| }                    |                                  |                                   | Class                              | sified da                    | ta for y                     | ears pri                           | o <b>r to</b> 19                   | 13 not a                           | vailable                           | <b>.</b>                           |                                    |   | 14<br>15  |
|                      |                                  |                                   |                                    |                              |                              |                                    |                                    |                                    |                                    |                                    |                                    |   | 16<br>17  |
| ,<br>                |                                  |                                   |                                    |                              |                              |                                    |                                    |                                    |                                    |                                    |                                    |   | 18  |
|                      |                                  | 3                                 | 21<br>21                           | 35<br>35                     | 57<br>55                     | 65<br>63                           | 55<br>53                           | 89<br>86                           | 39<br>38                           | 24<br>24                           | 1                                  |   | 19<br>20  |
|                      |                                  | 10<br>11                          | 22<br>21                           | 46<br>37                     | 45<br>42                     | 48<br>46                           | 50<br>51                           | 99<br>93                           | 58<br>58                           | 21<br>22                           |                                    | ••••                                    | 21<br>22  |
|                      | 2                                | 7                                 | 22                                 | 21                           | 40                           | 55                                 | 50                                 | 118                                | 56                                 | 31                                 | 3                                  | • | 23  |
|                      | 2                                | 9                                 | 29                                 | 27                           | 58                           | 68                                 | 66                                 | 174                                | 81                                 | 55                                 | 6                                  | •••••                                   | 24  |
| )                    |                                  |                                   | •                                  |                              |                              |                                    | •                                  |                                    | •                                  | `                                  |                                    |   | 25<br>26<br>27<br>28                                |
|                      |                                  |                                   | Classi                             | fied data                    | a for ve                     | ars Drio                           | to 1913                            | 3 not av                           | ailable.                           |                                    |                                    |   | 11  |
|                      |                                  |                                   |                                    |                              |                              |                                    |                                    |                                    |                                    |                                    |                                    |   | 29<br>30  |
| ]                    |                                  |                                   | ,                                  |                              |                              |                                    |                                    |                                    | ,                                  |                                    | ,                                  |   | 31<br>32  |
|                      | 4                                | <u>2</u> 9                        | 75                                 | 97                           | 81                           | 105                                | 107                                | 226                                | 82                                 | 47                                 | i                                  | • | 33<br>34  |
|                      | 5<br>5                           | 29<br>25                          | 74<br>68                           | 96<br>84                     | 79<br>86                     | 100<br>119                         | 105<br>97                          | 220<br>206                         | 79<br>75                           | 45<br>36                           | 1 3                                |   | 35<br>36  |
|                      | 3,                               | 26<br>29                          | 65<br>47                           | 74                           | 85<br>76                     | 115<br>100                         | 105                                | 211                                | 75                                 | 34                                 | 3                                  |   | 37<br>38  |
|                      | 11                               | 34                                | 57                                 | 64<br>80                     | 108                          | 133                                | 88<br>119                          | 191<br>257                         | 107<br>130                         | 54<br>68                           | 5<br>6                             | 1                                       | 38<br>39  |

Table A.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK EARNINGS, IN THE UNITED STATES,

|             |                               |                     |       | Num-                           | age           | Aver-<br>age               | Aver-<br>age<br>full-                 | Emple                             |                           |     | full-tin<br>were—                 | ie hour                   | s per |
|-------------|-------------------------------|---------------------|-------|--------------------------------|---------------|----------------------------|---------------------------------------|-----------------------------------|---------------------------|-----|-----------------------------------|---------------------------|-------|
| Line<br>No. | Occupation, number of oments. | sex, and establish- | Year. | ber of<br>em-<br>ploy-<br>ees. | full-<br>time | rate<br>of<br>wages<br>per | time<br>week-<br>ly<br>earn-<br>ings. | Over<br>48<br>and<br>under<br>51. | 51<br>and<br>under<br>54. | 54. | Over<br>54<br>and<br>under<br>57. | 57<br>and<br>under<br>60. | 60.   |

#### FITTING OR STITCHING DEPARTMENT—Continued.

|                      | FITTING   | OK                           | 511101                   | шис                              | DEF                              | 7 IV I W                             | LENI-    | Contin               | iueu.                |                      |                      |            |
|----------------------|---|------------------------------|--------------------------|----------------------------------|----------------------------------|--------------------------------------|----------|----------------------|----------------------|----------------------|----------------------|------------|
| 1<br>2<br>3<br>4     | Closers-on, female:<br>18 establishments                          | 1907<br>1908<br>1909<br>1910 | 104<br>100<br>101<br>95  | 55. 3<br>55. 1<br>55. 1<br>55. 0 | \$0.200<br>.190<br>.207<br>.198  |                                      |          | 17<br>20<br>19<br>23 | 25<br>21<br>19<br>19 | 34<br>41<br>45<br>34 | 28<br>18<br>18<br>19 |            |
| 5<br>6               | 49 establishments   | 1910<br>1911                 | 262<br>277               | 57. 1<br>57. 1                   | . 178<br>. 178                   | 10.13<br>10.09                       | 1<br>1   | 23<br>5              | 34<br>36             | 57<br>89             | 60<br>72             | 87<br>74   |
| 7<br>8               | 65 establishments   | 1911<br>1912                 | 350<br>331               | 56. 9<br>54. 9                   | . 180<br>. 187                   | 10.18<br>10.21                       | 15       | 5<br>16              | $^{62}_{178}$        | 108<br>36            | 88<br>71             | 87<br>15   |
| 9<br><b>1</b> 0      | 74 establishments   | 1912<br>1913                 | 344<br>349               | 55. 0<br>54. 4                   | . 186<br>. 194                   | 10.17<br>10.53                       | 15<br>18 | 16<br>17             | 182<br>206           | 40<br>73             | 76<br>35             | 15         |
| 11<br>12             | 69 establishments   | 1913<br>1914                 | 33 7<br>325              | 54. 4<br>53. 8                   | . 191<br>. 193                   | 10.39<br>10.36                       | 14<br>28 | 17<br>54             | 203<br>170           | <b>7</b> 3<br>63     | 30<br>10             |            |
| 13<br>14             | 51 establishments   | 1914<br>1916                 | 259<br>249               | 53. 8<br>53. 8                   | . 195<br>. 199                   | 10.51<br>10.69                       | 28<br>18 | 36<br>38             | 124<br>153           | 60<br>30             | 11<br>10             |            |
| 15                   | 83 establishments   | 1916                         | 360                      | 53.6                             | . 204                            | 10.95                                | 38       | 54                   | 228                  | 30                   | 10                   |            |
| 16<br>17<br>18<br>19 | Top stitchers or under-<br>trimmers, female:<br>17 establishments | 1907<br>1908<br>1909<br>1910 | 151<br>144<br>156<br>164 | 56. 3<br>56. 3<br>56. 3<br>56. 0 | . 185<br>. 190<br>. 196<br>. 200 | 10. 42<br>10. 70<br>11. 03<br>11. 20 |          |                      | 30<br>31<br>31<br>32 | 45<br>41<br>47<br>49 | 76<br>72<br>78<br>83 |            |
| 20<br>21             | 53 establishments   | 1910<br>1911                 | 721<br>742               | 56. 9<br>56. 8                   | . 188<br>. 192                   | 10.69<br>10.83                       | 3<br>4   | 64<br>63             | 111<br>109           | 148<br>169           | 192<br>232           | 203<br>165 |
| 22<br>23             | 73 establishments   | 1911<br>1912                 | 911<br>950               | 56. 7<br>54. 9                   | . 194<br>. 198                   | 10.95<br>10.82                       | 29       | 63<br>81             | 183<br>521           | 212<br>80            | 268<br>212           | 185<br>27  |
| 24<br>25             | 82 establishments   | 1912<br>1913                 | 1,033<br>1,070           | 54. 9<br>54. 6                   | . 198<br>. 210                   | 10.81<br>11.47                       |          | .81<br>96            | 572<br>573           | 96<br>237            | 228<br>139           | 27         |
| 26<br>27             | 77 establishments   | 1913<br>1914                 | 1, 033<br>1, 005         | 54.5<br>54.1                     | $.211 \\ .211$                   | 11.46<br>11.39                       |          | 96<br>156            | 558<br>524           | 237<br>225           | 117<br>48            |            |
| 28<br>29             | 77 establishments   | 1914<br>1916                 | 1,004<br>1,101           | 54. 1<br>54. 1                   | . 212<br>. 214                   | 11.46<br>11.55                       |          | $152 \\ 162$         | 509<br>612           | 230<br>235           | 57<br>53             |            |
| 30                   | 128 establishments  | 1916                         | 1,427                    | 54.0                             | . 220                            | 11.87                                | 82       | 202                  | 832                  | <b>2</b> 54          | 57                   |            |
| 31<br>32             | Button fasteners, female:<br>26 establishments                    | 1911<br>1912                 | 55<br>70                 | 56. 4<br>55. 9                   | . 157<br>. 183                   | 8, 88<br>10, 21                      |          | 5<br><b>6</b>        | 9<br>28              | 12<br>2              | 26<br>34             | 3          |
| 33<br>34             | 72 establishments   | 1912<br>1913                 | 205<br>232               | 55. 3<br>54. 8                   | .177<br>.199                     | 9.78<br>10.95                        |          | 15<br>17             | 101<br>127           | $^{19}_{22}$         | 58<br>56             | 9          |
| 35<br>36             | 66 establishments   | 1913<br>1914                 | 221<br>198               | 54. 7<br>53. 7                   | .196<br>.197                     | 10. 70<br>10. 57                     | 10<br>18 | 18<br>40             | 126<br>105           | 21<br>26             | <b>46</b> 9          |            |
| 37<br>38             | 60 establishments   | 1914<br>1916                 | 189<br>142               | 53. 7<br>53. 9                   | .192<br>.209                     | 10.32<br>11.28                       |          | 39<br>31             | 93<br>65             | 29<br>25             | 10<br>10             |            |
| 39                   | 94 establishments   | 1916                         | 195                      | 53.8                             | . 211                            | 11.32                                | 19       | 46                   | 92                   | 27                   | 11                   |            |

## AND RATES OF WAGES PER HOUR, AND AVERAGE FULL-TIME WEEKLY BY YEARS, 1907 TO 1916—Continued.

| Under<br>6<br>cents.                    | and<br>under<br>8<br>cents. | and<br>under<br>10<br>cents. | and<br>under<br>12<br>cents. | and<br>under<br>14<br>cents. | and<br>under<br>16<br>cents. | 16<br>and<br>under<br>18<br>cents. | and<br>under<br>20<br>cents. | 20<br>and<br>under<br>25<br>cents. | 25<br>and<br>under<br>30<br>cents. | 30<br>and<br>under<br>40<br>cents. | 40<br>and<br>under<br>50<br>cents. | .50<br>cents<br>and<br>over. | Line<br>No.          |
|---|-----------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------------|------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------|----------------------|
|   |                             | )<br>JF                      | ITTIN                        | GOR                          | STIT                         | HING                               | DEPA                         | ŔŢMI                               | ENT(                               | Continue                           | đ.                                 | <u>'</u>                     |                      |
| }                                       |                             |                              |                              |                              |                              |                                    |                              |                                    |                                    |                                    | ر                                  |                              | [ ]                  |
|   |                             |                              | Class.                       | e-a a-4                      |                              |                                    | - 4- 101                     | 3 not av                           |                                    |                                    |                                    |                              |                      |
|   |                             |                              | Cinssi                       | neu uai                      | a for ye                     | ars pric                           | M. 60 191                    | о пое и с                          | anabie.                            |                                    |                                    |                              | 1                    |
| J                                       | 1                           | i                            | 1                            | <b>!</b>                     | 1                            |                                    | ļ.                           | , ,                                | ļ                                  |                                    | }                                  |                              | 8                    |
|   |                             | 5                            | 1                            | 43<br>43                     | 48<br>49                     | 39<br>38                           | ı                            | 1                                  | 39<br>34                           | 15<br>13                           | .4                                 |                              | 110                  |
| •••••                                   | 2                           | 7                            | 22                           | 25<br>20                     | 32                           | 42<br>32                           | 42                           | 97                                 | 32<br>27                           | 12<br>12                           |                                    |                              | 12                   |
| · • · • • • • •                         | 1                           | 5<br>8<br>11                 | 11                           | 25<br>33                     | 25<br>35                     | 29<br>36                           | .36                          | 63                                 | 41<br>69                           | 9                                  | 1<br>1                             |                              | 14                   |
|   |                             |                              |                              |                              |                              |                                    |                              |                                    |                                    |                                    |                                    |                              |                      |
|   |                             |                              |                              |                              |                              |                                    |                              |                                    |                                    |                                    |                                    |                              | 16<br>17<br>18<br>18 |
| }                                       |                             |                              | Classi                       | fied dat                     | a for ye                     | ars pric                           | r to 191                     | 3 not av                           | ailable.                           |                                    |                                    |                              | 20                   |
|   |                             |                              |                              |                              |                              |                                    |                              |                                    |                                    |                                    |                                    |                              | 22                   |
| ••••••                                  |                             | 6                            | 38                           | 89                           | 124                          | 114                                | 131                          | 307                                | 176                                | 73                                 | 12                                 | ļ                            | 24<br>25             |
|   | <u>2</u>                    | 6<br>17                      | 37<br>36                     | 87<br>68                     | 121<br>100                   | 112<br>119                         |                              | 291<br>304                         | 173<br>144                         |                                    | 12<br>11                           |                              | 26<br>27             |
| • • • • • • • •                         | 1                           | 1                            | 47                           | 63<br>53                     | 94<br>119                    | 121<br>128                         | 129                          | 339                                | 178                                | 89                                 | 11<br>9                            | 2                            | ĺ                    |
| • • • • • • • • • • • • • • • • • • •   | 1                           | 7                            | 51                           | 66                           | 142                          | 156                                | 157                          | 437                                | 248                                | 136                                | 23                                 | 3                            |                      |
| }                                       | 1                           | l                            | Classi                       | ifie <b>d</b> dat            | ta for ye                    | ars pri                            | or to 191<br>                | l3 not av<br>                      | vailable                           |                                    | i                                  | 1                            | 31<br>32             |
| • • • · · · · ·                         | 2                           | i                            | 1                            | ï                            | 33<br>29                     | 1                                  | l .                          |                                    | İ                                  | !                                  | 9                                  | ļ                            | 33                   |
|   |                             | 5 7 6                        |                              | 29<br>28                     |                              |                                    | 32                           | 39                                 | 17                                 | 10                                 |                                    |                              | 36                   |
| · • • • • • • • • • • • • • • • • • • • | 1                           | 2                            | 11                           | 12                           | 8                            | 16                                 | 19                           | 36                                 | 20                                 | 15                                 | l                                  |                              | 38                   |

5620°-18-Bull. 232---3

Table A.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK EARNINGS, IN THE UNITED STATES,

|             |  |       | Num-                           | Aver-         | Aver-                      | Aver-<br>age<br>full-                 | Empl                              | oyees v                   |     | full-tin<br>were—                 | ie hour                   | s per |
|-------------|--|-------|--------------------------------|---------------|----------------------------|---------------------------------------|-----------------------------------|---------------------------|-----|-----------------------------------|---------------------------|-------|
| Line<br>No. | Occupation, sex, and<br>number of establish-<br>ments. | Year. | ber of<br>em-<br>ploy-<br>ees. | full-<br>time | rate<br>of<br>wages<br>per | time<br>week-<br>ly<br>earn-<br>ings. | Over<br>48<br>and<br>under<br>51. | 51<br>and<br>under<br>54. | 54. | Over<br>54<br>and<br>under<br>57. | 57<br>and<br>under<br>60. | 60.   |

### FITTING OR STITCHING DEPARTMENT-Concluded.

|                      | Buttonhole makers, fe-<br>male:       |                              |                          |                                  |                                  |                                      |          |                      |                       | ĺ                        |                          |            |
|----------------------|---------------------------------------|------------------------------|--------------------------|----------------------------------|----------------------------------|--------------------------------------|----------|----------------------|-----------------------|--------------------------|--------------------------|------------|
| 1 2                  | 33 establishments                     | 1911<br>1912                 | 108<br>168               | 56. 3<br>55. 4                   | \$0.176<br>.180                  | \$9.83<br>9.96                       |          | 2<br>17              | <b>2</b> 9<br>79      | 23<br>8                  | 48<br>64                 | 6          |
| 3<br>4               | 74 establishments                     | 1912<br>1913                 | 468<br>517               | 55. 1<br>54. 7                   | . 180<br>. 194                   | 9, 87<br>10, 60                      |          | 27<br>41             | 257<br>306            | 41<br>70                 | 111<br>94                | 20         |
| 5<br>6               | 71 establishments                     | 1913<br>1914                 | 489<br>477               | 54. 6<br>53. 8                   |                                  | 10. 50<br>10. 76                     |          | 41<br>99             | 302<br>231            | 69<br>70                 | 71<br>31                 |            |
| 7<br>8               | 73 establishments                     | 1914<br>1916                 | 484<br>369               | 53. 9<br>54. 0                   |                                  | 10. 55<br>11. 50                     |          | 99<br>79             | 223<br>193            | 78<br>45                 | 38<br>26                 |            |
| 9                    | 113 establishments                    | 1916                         | 466                      | 53.8                             | . 217                            | 11.65                                | 44       | 101                  | 242                   | 52                       | 27                       |            |
| 10<br>11<br>12<br>13 | Vampers, male:<br>13 establishments   | 1907<br>1908<br>1909<br>1910 | 167<br>99<br>150<br>134  | 54. 9<br>55. 2<br>54. 6<br>54. 5 | . 287<br>. 287                   | 17, 46<br>15, 84<br>15, 67<br>16, 02 |          | 7<br>18<br>58<br>48  | 119<br>41<br>51<br>46 | 9<br>15<br>21<br>18      | 32<br>25<br>20<br>22     |            |
| 14<br>15             | 33 establishments                     | 1910<br>1911                 | 263<br>249               | 55. 5<br>55. 7                   | . <b>2</b> 93<br>. <b>30</b> 3   | 16. 24<br>16. 88                     |          | 48<br>21             | 67<br>69              | 63<br>81                 | 57<br>53                 | 28<br>25   |
| 16<br>17             | 51 establishments                     | 1911<br>1912                 | 343<br>435               | 55. 5<br>54. 9                   | .315<br>.310                     | 17. 42<br>16. 97                     | 15       | 21<br>56             | 138<br>199            | 94<br>57                 | 61<br>93                 |            |
| 18<br>19             | 66 establishments                     | 1912<br>1913                 | 483<br>554               | 55. 0<br>54. 8                   | . 306<br>. 320                   | 16. 76<br>17. 47                     | 15<br>12 | 56<br>74             | 215<br>227            | 67<br>164                | 112<br>72                |            |
| 20<br>21             | 57 establishments                     | 1913<br>1914                 | 531<br>515               | 54. 7<br>54. 5                   | . 320<br>. 315                   | 17. 44<br>17. 13                     | 12<br>6  | 74<br>89             | 225<br>195            | 153<br>187               | 62<br>36                 |            |
| 22<br>23             | 53 establishments                     | 1914<br>1916                 | 479<br>496               | 54. 5<br>54. 7                   | . 311<br>. 332                   | 16. 95<br>18. 12                     | 6<br>7   | 91<br>73             | 188<br>205            | 149<br>146               | 39<br>56                 |            |
| 24                   | 82 establishments                     | 1916                         | 624                      | 54.6                             | . 333                            | 18.14                                | 16       | 87                   | 243                   | 211                      | 58                       | 9          |
| 25<br>26<br>27<br>28 | Vampers, female:<br>22 establishments | 1907<br>1908<br>1909<br>1910 | 351<br>321<br>391<br>366 | 55. 7<br>55. 9<br>55. 5<br>55. 5 | . 246<br>. 242<br>. 253<br>. 257 | 13.70<br>13.53<br>14.04<br>14.26     |          | 54<br>18<br>77<br>39 | 56<br>60<br>66<br>67  | 105<br>119<br>123<br>129 | 132<br>121<br>120<br>125 |            |
| 29<br>30             | 53 establishments                     | 1910<br>1911                 | 863<br>909               | 56. 9<br>56. 7                   | . 238<br>. 238                   | 13. 46<br>13. 43                     | 20<br>26 | 39<br>45             | 125<br>138            | 206<br>229               | 241<br>268               | 232<br>203 |
| 31<br>32             | 71 establishments                     | 1911<br>1912                 | 1, 124<br>1, 019         | 56. 5<br>55. 1                   | . 238<br>. 233                   | 13. 46<br>12. 84                     | 21<br>15 | 45<br>66             | 191<br>546            | 291<br>107               | 315<br>237               | 261<br>48  |
| 33<br>34             | 79 establishments                     | 1912<br>1913                 | 1,088<br>1,072           | 55. 1<br>54. 7                   | . 231<br>. 246                   | 12.68<br>13.45                       | 15<br>14 | 66<br>72             | 575<br>620            | 121<br>216               | 263<br>150               | 48         |
| 35<br>36             | 77 establishments                     | 1913<br>1914                 | 1,052<br>1,037           | 54.6<br>53.9                     | . 246<br>. 244                   | 13. 40<br>13. 13                     | 14<br>80 | 72<br>181            | 620<br>513            | 216<br>209               | 130<br>54                |            |
| 37<br>38             | 75 establishments                     | 1914<br>1916                 | 1,027<br>1,065           | 54.0<br>54.1                     | . 242<br>. 252                   | 13.06<br>13.61                       | 80<br>44 | 181<br>185           | 468<br>580            | 245<br>182               | 53<br>74                 |            |
| 39                   | 121 establishments                    | 1916                         | 1,383                    | 53.9                             | . 254                            | 13.66                                | 108      | 248                  | 752                   | 198                      | 77                       |            |

## AND RATES OF WAGES PER HOUR, AND AVERAGE FULL-TIME WEEKLY BY YEARS, 1907 TO 1916—Continued.

|                     |                                  |                                   | Emp                          | oloyees                      | whose ra                     | ates of v                          | vages pe                           | er hour v                          | were—                              |                                    |                              |                             |                  |
|---------------------|----------------------------------|-----------------------------------|------------------------------|------------------------------|------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------|-----------------------------|------------------|
| Inder<br>6<br>ents. | 6<br>and<br>under<br>8<br>cents. | 8<br>and<br>under<br>10<br>cents. | and<br>under<br>12<br>cents. | and<br>under<br>14<br>cents. | and<br>under<br>16<br>cents. | 16<br>and<br>under<br>18<br>cents. | 18<br>and<br>under<br>20<br>cents. | 20<br>and<br>under<br>25<br>cents. | 25<br>and<br>under<br>30<br>cents. | 30<br>and<br>under<br>40<br>cents. | and<br>under<br>50<br>cents. | 50<br>cents<br>and<br>over. | Line<br>No.      |
|                     | ,                                | F                                 | ITTIN                        | GOR                          | STITC                        | HING                               | DEPA                               | RTME                               | NT—C                               | onclude                            | 1.                           |                             |                  |
|                     |                                  |                                   | Class                        | ified da                     | ta for y                     | ears pri                           | or to 19                           | 13 not a                           | vailable                           | ·.                                 |                              |                             | {                |
| . <b>.</b>          | ļ                                | J                                 |                              |                              |                              | -<br>                              | ļ <u>.</u>                         |                                    |                                    |                                    |                              |                             |                  |
| . <b>.</b>          | 3 3 2                            | 1                                 | 43                           |                              | 62                           |                                    | 53                                 | 110<br>99                          | 60<br>53                           | 35<br>35                           | 3<br>9                       | 2<br>2<br>1                 |                  |
|                     |                                  | 1                                 |                              |                              |                              | !                                  | 1                                  | } .                                | 60<br>50                           | 27<br>25                           | 9<br>8<br>7                  |                             | )                |
| · • · · · ·         | 3                                | 1                                 | 22                           | 1                            |                              |                                    | 1                                  | 1                                  | 51<br>68                           | 37<br>49                           | 7<br>10                      | 1<br>2<br>2                 | 1                |
| · · · · • •         |                                  | 1 *                               | 1                            |                              | 00                           | 30                                 |                                    | 121                                | 1 "                                | 10                                 |                              |                             | ,                |
|                     |                                  |                                   |                              |                              |                              |                                    |                                    |                                    |                                    |                                    |                              |                             | 1<br>1<br>1<br>1 |
|                     |                                  |                                   | Class                        | ified da                     | ta for v                     | ears pri                           | or to 191                          | 13 <b>not</b> av                   | vailable                           |                                    |                              |                             | 1 1              |
|                     |                                  |                                   |                              |                              |                              |                                    |                                    |                                    |                                    |                                    |                              |                             | 1                |
|                     | i.                               | í                                 |                              | ı                            |                              | i                                  | •                                  | , ,                                |                                    |                                    |                              |                             | 1                |
|                     |                                  |                                   |                              | 2                            |                              | 17                                 |                                    | 66                                 | 115                                | 227                                | 93                           | 8                           |                  |
|                     |                                  | 2                                 | _                            |                              | 5                            | i                                  | 18                                 | 87                                 | 107<br>101                         | 220<br>197                         | 88<br>76                     | 10<br>10                    | 2                |
|                     |                                  | . 2                               | 2                            | 4 2                          | 6                            |                                    |                                    |                                    | 97<br>84                           | 186<br><b>2</b> 11                 | 65<br>76                     | 27<br>27                    | 2:               |
| - <b></b>           |                                  |                                   | ·····                        | 2                            | 4                            | 15                                 | 17                                 | 82                                 | 101                                | 275                                | 97                           | 31                          | 2                |
|                     | F                                | ſ                                 | ı                            | 1                            | 1                            | ł                                  | •                                  | 1                                  |                                    |                                    |                              | ł                           | 2 2 2 2 2        |
|                     |                                  |                                   | Class                        |                              | . to for                     |                                    | iom 4 o 10                         | 12 mat a                           | ila bla                            |                                    |                              |                             | 11               |
|                     |                                  |                                   | Ciass                        | sineu us                     | ica for y                    | cars pr                            | 101 to 19                          | 13 not a                           | vanabie                            | •                                  |                              |                             | 3                |
|                     |                                  |                                   |                              | ,                            |                              |                                    | 1                                  |                                    |                                    |                                    |                              |                             | 3                |
|                     |                                  |                                   | 12                           | 30                           | 52                           | 86                                 | i10                                | 330                                | 235                                | 181                                | 32                           |                             | 3:               |
|                     |                                  |                                   | 12                           | 29                           |                              |                                    | 110<br>128                         |                                    |                                    | 173                                | 32                           | 4                           |                  |
|                     | ļ                                | 5                                 | 13                           | 31                           | 57                           | 76                                 | 133                                | 282                                | 225                                | 183                                | 21                           | 1                           | 3                |
|                     |                                  |                                   | 1                            | ļ                            | 1                            | i                                  |                                    | 1                                  | j                                  | ł                                  |                              | 5                           | 1                |

Table A.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK EARNINGS, IN THE UNITED STATES,

|             |  |       | Num-                           |   | Aver-                      | Aver-<br>age<br>full- | Empl                              | oyees v                   | zhose i<br>week v |                                   | e hour                    | s per |
|-------------|--|-------|--------------------------------|---|----------------------------|-----------------------|-----------------------------------|---------------------------|-------------------|-----------------------------------|---------------------------|-------|
| Line<br>No. | Occupation, sex, and<br>number of establish-<br>ments. | Year. | ber of<br>em-<br>ploy-<br>ees. | age<br>full-<br>time<br>hours<br>per<br>week. | rate<br>of<br>wages<br>per | time                  | Over<br>48<br>and<br>under<br>51. | 51<br>and<br>under<br>54. | 54.               | Over<br>54<br>and<br>under<br>57. | 57<br>and<br>under<br>60. | 60.   |

#### LASTING DEPARTMENT.

|                      |  |                              | LASTIN                   | G DI                         | EPAR                             | TME                                  | NT.      |           |                        |                      |                          |                  |
|----------------------|--|------------------------------|--------------------------|------------------------------|----------------------------------|--------------------------------------|----------|-----------|------------------------|----------------------|--------------------------|------------------|
| 1 2                  | Assemblers, for pulling-<br>over machine, male:<br>17 establishments | 1911<br>1912                 | 218<br>228               | 55.4<br>54.8                 | \$0. 274<br>. 265                | \$15.14<br>14.45                     | 31       |           | 93<br>102              | 69<br>37             | 49<br>47                 | 7<br>11          |
| 3<br>4               | 50 establishments  | 1912<br>1913                 | 542<br>532               | 55.8<br>55.5                 | . 238<br>. 261                   | 13.21<br>14.46                       | 31<br>14 | 26<br>31  | 174<br>201             | 96<br>134            | 131<br>121               | 84<br>31         |
| 5<br>6               | 54 establishments  | 1913<br>1914                 | 597<br>646               | 55. 4<br>55. 2               | . 272<br>. 281                   | 15.01<br>15.45                       | 14<br>44 | 31<br>50  | 245<br>188             | 160<br>204           | 116<br>146               | 31<br>14         |
| 7<br>8               | 56 establishments  | 1914<br>1916                 | 659<br>586               | 55.5<br>55.1                 | . 276<br>. 300                   | 15. 24<br>16. 50                     | 25<br>22 | 50<br>67  | 186<br>201             | 211<br>160           | 163<br>103               | 24<br>33         |
| 9                    | 97 establishments  | 1916                         | 801                      | 55.0                         | . 291                            | 16.02                                | 32       | 69        | 272                    | 275                  | 118                      | 35               |
| 10<br>11<br>12<br>13 | Pullers-over, hand, male:<br>13 establishments                       | 1907<br>1908<br>1909<br>1910 | 345<br>330<br>366<br>384 | 56.6<br>56.6<br>56.2<br>55.9 | . 256<br>. 249<br>. 287<br>. 276 | 14. 49<br>14. 09<br>16. 13<br>15. 43 |          |           | 77<br>74<br>111<br>105 | 73<br>63<br>82<br>99 | 195<br>193<br>173<br>180 |                  |
| 14<br>15             | 35 establishments  | 1910<br>1911                 | 784<br>784               | 56. 4<br>56. 2               | . <b>291</b><br>. 309            | 16.38<br>17.28                       |          | 19<br>27  | 207<br>204             | 178<br>206           | 228<br>234               | 147<br>106       |
| 16<br>17             | 45 establishments  | 1911<br>1912                 | 897<br>899               | 56.3<br>55.4                 | .312<br>.319                     |                                      | 24       | 27<br>111 | 263<br>297             | 234<br>188           | 219<br>212               | 154<br>67        |
| 18<br>19             | 52 establishments  | 1912<br>1913                 | 1,036<br>937             | 55.3<br>55.3                 | .316<br>.333                     | 17.41<br>18.37                       | 24       | 111<br>65 | 343<br>342             | 287<br>332           | 195<br>190               | 76<br>8          |
| 20<br>21             | 47 establishments  | 1913<br>1914                 | 907<br>729               | 55. 1<br>54. 9               | . 334<br>. 350                   | 18.42<br>19.24                       | <u>2</u> | 65<br>60  | 354<br>212             | 323<br>368           | 157<br>82                | 8<br>5           |
| 22<br>23             | 30 establishments  | 1914<br>1916                 | 537<br>429               | 54.8<br>54.8                 | . 357<br>. 353                   | 19.52<br>19.33                       | 2<br>1   | 52<br>60  | 173<br>148             | 258<br>161           | 52<br>59                 |                  |
| 24                   | 46 establishments  | 1916                         | 543                      | 54.8                         | .347                             | 18.99                                | 1        | 63        | 192                    | 225                  | 62                       |                  |
|                      | Pullers-over, machine,<br>male:                                      |                              |                          | i                            |                                  |                                      |          |           |                        |                      |                          |                  |
| 25<br>26             | 31 establishments  | 191 <b>0</b><br>1911         | 251<br>266               | 57. 4<br>56. 5               | .320<br>.319                     | 18.37<br>17.95                       |          |           | 50<br>77               | 36<br>91             | 85<br>47                 | 80<br>51         |
| 27<br>28             | 43 establishments  | 1911<br>1912                 | 328<br>305               | 56. 1<br>55. 6               | .325<br>.312                     | 18.18<br>17.31                       | 15       | 34        | 110<br>113             | 120<br>43            | 52<br>47                 | 46<br>53         |
| 29<br>30             | 60 establishments  | 1912<br>1913                 | 402<br>421               | 55.8<br>55.4                 | .312<br>.351                     | 17.39<br>19.42                       | 7<br>5   | 34<br>19  | 148<br>183             | 64<br>107            | 82<br>82                 | 67<br><b>2</b> 5 |
| 31<br>32             | 59 establishments  | 1913<br>1914                 | 421<br>396               | 55.4<br>55.3                 | . 352<br>. 360                   |                                      | 5<br>16  | 19<br>26  | 183<br>108             | 112<br>155           | 77<br>81                 | 25<br>10         |
| 33<br>34             | 63 establishments  | 1914<br>1916                 | 410<br>421               | 55. 6<br>55. 3               | .353<br>.382                     |                                      |          | 30<br>40  | 108<br>119             | 151<br>148           | 95<br>80                 | 18<br>23         |
| 35                   | 116 establishments   | 1916                         | 640                      | 55.0                         | . 377                            | 20.70                                | 29       | 51        | 173                    | 274                  | 89                       | 24               |
| 36<br>37             | Side lasters, hand, male:<br>20 establishments                       | 1913<br>1914                 | 224<br>237               | 54. 2<br>54. 0               | .303                             |                                      |          | 96<br>119 | 60<br>44               | 54<br>63             | 14<br>10                 | i                |
| 38<br>39             | 16 establishments  | 1914<br>1916                 | 217<br>179               | 53.6<br>54.2                 | .304<br>.315                     | 16. 20<br>17. 02                     |          | 102<br>88 | 7<br>7                 | 61<br>54             | 14<br>15                 | 2<br>5           |
| 40                   | 40 establishments  | 1916                         | 358                      | 54.1                         | .325                             | 17.57                                | 10       | 122       | 104                    | 98                   | 19                       | 5                |

## AND RATES OF WAGES PER HOUR, AND AVERAGE FULL-TIME-WEEKLY BY YEARS, 1907 TO 1916—Continued.

|                      |                             |                              |                              |                              | <del></del>                  |                                    |                              |                                    |                                    |                                    |                                    |                             |             |
|----------------------|-----------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------------|------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|-----------------------------|-------------|
|                      |                             |                              | Emp                          | loyees v                     | vhose ra                     | tes of w                           | vages pe                     | r hour                             | vere—                              |                                    |                                    |                             |             |
| Under<br>6<br>cents. | and<br>under<br>8<br>cents. | and<br>under<br>10<br>cents. | and<br>under<br>12<br>cents. | and<br>under<br>14<br>cents. | and<br>under<br>16<br>cents. | 16<br>and<br>under<br>18<br>cents. | and<br>under<br>20<br>cents. | 20<br>and<br>under<br>25<br>cents. | 25<br>and<br>under<br>30<br>cents. | 30<br>and<br>under<br>40<br>cents. | 40<br>and<br>under<br>50<br>cents. | 50<br>cents<br>and<br>over. | Line<br>No. |
|                      | 1                           |                              |                              | I                            | LASTI                        | NG DI                              | EPART                        | MENT                               | r.                                 |                                    |                                    |                             | ,           |
| 1                    |                             |                              |                              |                              |                              |                                    |                              |                                    |                                    |                                    |                                    |                             | ,           |
| }                    |                             |                              | Class                        | ified da                     | ta for ye                    | ears pri                           | or to 19:<br>                | 13 not a<br>                       | vailable<br>                       |                                    | [ i                                |                             | {           |
|                      |                             |                              | 6                            | 10                           | 19                           | 25                                 |                              | l                                  |                                    | 121                                | 29                                 |                             | 1           |
|                      |                             | 3                            | 6<br>7                       | 10<br>10                     | 16<br>20                     | 26<br>29                           | 46<br>43                     | 165<br>132                         | 129<br>133                         | 149<br>215                         | · 49                               | 1<br>10                     |             |
|                      |                             | 3                            | 7                            | 10<br>9                      | 21<br>17                     | 32<br>16                           |                              |                                    |                                    | 202<br>203                         | 37<br>69                           | 11<br>10                    |             |
|                      |                             | 1                            | 7                            | 13                           | 23                           | 21                                 | 57                           | 150                                | 186                                | 245                                | 81                                 | 17                          | ,           |
| ]                    | 1                           |                              | •                            |                              |                              |                                    | i                            | l                                  |                                    | l                                  |                                    | ļ                           | 10          |
|                      |                             |                              | <b>~</b>                     |                              |                              |                                    |                              |                                    |                                    |                                    |                                    |                             | 13<br>13    |
|                      |                             |                              | Class                        | inea aa                      | ita ior y                    | ears pr                            | or to 19                     | 13 not 8                           | vailable                           | ə <b>.</b>                         |                                    |                             | 14          |
|                      |                             | ı                            | ı                            | 1 1                          | ı                            | ı                                  | ,                            | ı                                  | ı ı                                | ı                                  |                                    | ı                           | 10          |
|                      |                             |                              |                              | 1                            | 3                            | 6                                  | 9                            | 113                                | 195                                | 437                                | 152                                | 21                          | 18<br>19    |
|                      |                             |                              |                              | 1                            | 2<br>6                       | 5<br>8                             | 9<br>10                      |                                    | 188<br>123                         | 422<br>307                         | 154<br>152                         | 21<br>47                    | 20<br>21    |
|                      |                             | <sub>i</sub>                 |                              | <sub>i</sub>                 | 2<br>1                       | 6                                  | 7 3                          | 59<br>39                           | 75<br><b>6</b> 7                   | 236<br>204                         | 110<br>97                          | 42<br>16                    | 22<br>23    |
|                      |                             | 1                            |                              | 1                            | 2                            |                                    | 3                            | ĺ                                  |                                    | 252                                | l I                                | 22                          |             |
| )                    | <b>;</b>                    |                              | ]                            |                              |                              |                                    |                              | •                                  |                                    |                                    |                                    |                             | 25          |
| }                    |                             |                              | Class                        | sified da                    | ta for y                     | ears pr                            | ior to 19                    | 13 not a                           | vailable                           | з.                                 |                                    |                             | 27 28       |
| ,<br>                |                             | 1                            | 1                            | 1                            | l                            |                                    | J                            | <b></b>                            |                                    |                                    | ·····                              |                             | 29          |
|                      |                             |                              |                              | 1                            | 1                            | 4                                  | 6                            |                                    | 71<br>72                           | 199<br>201                         | 93<br>93                           | 19<br>19                    | 31          |
|                      |                             |                              |                              |                              | 1                            | 7                                  | 3                            | 28                                 | 62                                 | 169                                |                                    | 27<br>24                    | 32          |
|                      |                             |                              |                              |                              | 1 2                          | 5                                  | 1                            | 33                                 | 55                                 | 173<br>137                         | 125                                | 58                          | 34          |
|                      |                             |                              | ļ                            |                              | 2                            | 6                                  | 6                            |                                    |                                    | 242                                |                                    |                             |             |
|                      | <b> </b>                    |                              |                              | <u>2</u>                     | 4                            | 5                                  | 9<br>12                      |                                    | 63<br><b>51</b>                    | 87<br>107                          | 17<br>21                           | 4                           |             |
|                      |                             |                              | i                            | 2 2                          | 5<br>1                       | 5                                  | 13<br>1                      | 37<br>25                           | 43<br>50                           | 81<br>72                           | 25<br>17                           | 6                           | 38<br>39    |
| <u> </u>             | .                           | 1                            | 1                            | ı                            | 1                            | ł                                  | l .                          | 48                                 | 85                                 | 135                                | .47                                | 22                          | 40          |

Table A.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK EARNINGS, IN THE UNITED STATES,

|             |  |       | Num-                           | age | age                                 | Aver-<br>age<br>full- | E <b>m</b> pl |                           | vhose i<br>week v |                                   | ie hour                   | s per |
|-------------|--|-------|--------------------------------|-----|-------------------------------------|-----------------------|---------------|---------------------------|-------------------|-----------------------------------|---------------------------|-------|
| Line<br>No. | Occupation, sex, and<br>number of establish-<br>ments. | Year. | ber of<br>em-<br>ploy-<br>ees. | per | rate<br>of<br>wages<br>per<br>hour. | time                  | 48            | 51<br>and<br>under<br>54. | 54.               | Over<br>54<br>and<br>under<br>57. | 57<br>and<br>under<br>60. | 60.   |

#### LASTING DEPARTMENT—Continued.

| LASTING DEPARTMENT—Continued. |  |                              |                          |                                  |                              |                                      |                  |                      |                          |                      |                      |                 |
|-------------------------------|--|------------------------------|--------------------------|----------------------------------|------------------------------|--------------------------------------|------------------|----------------------|--------------------------|----------------------|----------------------|-----------------|
|                               | Side lasters, machine,                     |                              |                          |                                  |                              |                                      |                  |                      |                          |                      |                      |                 |
| 1<br>2                        | 16 establishments                          | 1913<br>1914                 | 155<br>167               | 56. 1<br>54. 3                   | \$0.323<br>.343              | \$18.23<br>18.54                     | 31               |                      | 63<br>58                 | 34<br>53             | 52<br>18             | 7<br>6          |
| 3<br>4                        | 17 establishments                          | 1914<br>1916                 | 153<br>158               | 55.0<br>54.8                     | .341<br>.338                 | 18.69<br>18.48                       |                  | 8<br>9               | . 80<br>. 82             | 44<br>50             | 14<br>12             | 7<br>5          |
| 5                             | 45 establishments                          | 1916                         | 291                      | 54.9                             | . 339                        | 18.53                                | 7                | 27                   | 95                       | 125                  | 25                   | 12              |
|                               | Bed-machine operators,<br>male:            | 1007                         | 046                      | 54 T                             | 250                          | 10.15                                |                  |                      | 100                      | 00                   |                      |                 |
| 6<br>7<br>8<br>9              | 15 establishments                          | 1907<br>1908<br>1909<br>1910 | 246<br>300<br>307<br>300 | 54.7<br>54.8<br>54.8<br>55.0     | .350<br>.334<br>.342<br>.321 | 19.15<br>18.30<br>18.74<br>17.66     |                  | 54<br>23<br>31<br>15 | 126<br>194<br>189<br>169 | 22<br>31<br>34<br>36 | 52<br>53<br>80       |                 |
| 10<br>11                      | 35 establishments                          | 1910<br>1911                 | 513<br>568               | 56.4<br>56.1                     | .311<br>.323                 | 17.50<br>18.09                       |                  | 15<br>26             | 169<br>172               | 77<br>159            | 153<br>113           | 99<br>98        |
| 12<br>13                      | 54 establishments                          | 1911<br>1912                 | 793<br>1,004             | 56. 1<br>55. 5                   | .321<br>.304                 | 17.96<br>16.88                       |                  | 26<br>99             | 263<br>438               | 201<br>151           | 183<br>218           | 120<br>98       |
| 14<br>15                      | 65 establishments                          | 1912<br>1913                 | 1,127<br>1,220           | 55.6<br>55.2                     | .300<br>.330                 | 16.67<br>18.21                       |                  | 99<br>123            | 446<br>502               | 216<br>354           | 246<br>200           | 120<br>41       |
| 16<br>17                      | 60 establishments                          | 1913<br>1914                 | 1,185<br>1,117           | 55.1<br>54.9                     | .331<br>.322                 | 18.21<br>17.68                       |                  | 123<br>172           | 501<br>357               | 343<br>432           | 177<br>136           | 41<br>20        |
| 18<br>19                      | 64 establishments                          | 1914<br>1916                 | 1,113<br>1,092           | 55.0<br>55.1                     | .319<br>.351                 | 17.52<br>19.31                       |                  | 172<br>195           | 357<br>309               | 401<br>390           | 149<br>144           | 34<br>54        |
| 20                            | 93 establishments                          | 1916                         | 1,336                    | 55.0                             | .349                         | 19. 13                               | 24               | 203                  | 410                      | 488                  | 154                  | 57              |
| ĺ                             | Hand-method lasting-<br>machine operators, |                              |                          |                                  |                              |                                      |                  |                      |                          |                      |                      |                 |
| 21<br>22<br>23<br>24          | male:<br>6 establishments                  | 1907<br>1908<br>1909<br>1910 | 99<br>89<br>75<br>80     | 57. 1<br>56. 6<br>56. 7<br>56. 1 | .311<br>.307<br>.309<br>.322 | 17. 76<br>17. 38<br>17. 52<br>18. 06 |                  |                      |                          | 39<br>48<br>39<br>51 | 60<br>41<br>36<br>29 |                 |
| 25<br>26                      | 33 establishments                          | 1910<br>1911                 | 325<br>352               | 57. 4<br>57. 3                   | . 306<br>. 309               | 17. 49<br>17. 65                     | 4<br>5           |                      | 39<br>45                 | 90<br>94             | 86<br>107            | 106<br>101      |
| 27<br>28                      | 39 establishments                          | 1911<br>1912                 | 477<br>478               | 57. 0<br>55. 8                   | . 316<br>. 324               | 17. 96<br>18. 03                     |                  | •••••                | 94<br>184                | 137<br>86            | 112<br>97            | 134<br>85       |
| 29<br>30                      | 41 establishments                          | 1912<br>1913                 | 456<br>449               | 55. 7<br>55. 3                   | .325<br>.357                 | 18.05<br>19.72                       |                  |                      | 167<br>200               | 102<br>144           | 83<br>66             | 78<br><b>26</b> |
| 31<br>32                      | 35 establishments                          | 1913<br>1914                 | 402<br>418               | 55. 2<br>55. 2                   | . 355<br>. 349               | 19. 58<br>19. 20                     | 13<br><b>4</b> 3 |                      | 177<br>66                | 135<br>214           | 51<br>84             | 26<br>11        |
| 33<br>34                      | 32 establishments                          | 1914<br>1916                 | 372<br>372               | 55. 9<br>55. 4                   | .342<br>.354                 | 19. 04<br>19. 55                     | 25<br>23         |                      | 45<br>101                | 173<br>151           | 117<br>87            | 12<br>10        |
| 35                            | 66 establishments                          | 1916                         | 556                      | 55. 1                            | . 361                        | 19.82                                | 43               | 14                   | 133                      | 260                  | 94                   | 12              |
| 00                            | Turn lasters, hand,<br>male:               | 1912                         | 450                      | 55. 6                            | . 275                        | 15. 25                               |                  | 106                  | 56                       | 7,1                  | 107                  |                 |
| 36<br>37                      | 28 establishments                          | 1913                         | 452<br>524               | 55.0                             | ,310                         | 17.00                                |                  | 140                  | 122                      | 74<br>89             | 127<br>149           | 89<br>24        |
| 38<br>39                      | 26 establishments                          | 1913<br>1914                 | 499<br>630               | 55. 0<br>54. 4                   | .307<br>.322                 | 16. 81<br>17. 45                     | 86               | 140<br>95            | 122<br>69                | 64<br>297            | 149<br>53            | 24<br>30        |
| 40<br>41                      | 29 establishments                          | 1914<br>1916                 | 681<br>733               | 54. 4<br>54. 9                   | .325<br>.354                 | 17.60<br>19.46                       |                  | 110<br>102           | 69<br>91                 | 329<br>327           | 56<br>137            | 31<br>10        |
| 42                            | 42 establishments                          | 1916                         | 974                      | 54. 9                            | . 365                        | 20.07                                | 66               | 140                  | 155                      | 432                  | 168                  | 13              |

## AND RATES OF WAGES PER HOUR, AND AVERAGE FULL-TIME WEEKLY BY YEARS, 1907 TO 1916—Continued.

|                      |                             |                                   | Em                                 | ployees                      | whose r                            | ates of                            | wages p                            | er hour                            | were-                              |                                    |                                    |                             |                      |
|----------------------|-----------------------------|-----------------------------------|------------------------------------|------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|-----------------------------|----------------------|
| Under<br>6<br>cents. | and<br>under<br>8<br>cents. | 8<br>and<br>under<br>10<br>cents. | 10<br>and<br>under<br>12<br>cents. | and<br>under<br>14<br>cents. | 14<br>and<br>under<br>16<br>cents. | 16<br>and<br>under<br>18<br>cents. | 18<br>and<br>under<br>20<br>cents. | 20<br>and<br>under<br>25<br>cents. | 25<br>and<br>under<br>30<br>cents. | 30<br>and<br>under<br>40<br>cents. | 40<br>and<br>under<br>50<br>cents. | 50<br>cents<br>and<br>over. | Line<br>No.          |
|                      |                             |                                   |                                    | LAST                         | ING D                              | EPAR                               | TMEN                               | T—Con                              | tinued.                            |                                    |                                    |                             |                      |
|                      |                             |                                   |                                    |                              | 1<br>1                             | 4 3                                | 4 4                                | 26<br>13                           | 34<br>35                           | 55<br>63                           | 27<br>41                           | 4 7                         | i                    |
|                      |                             |                                   |                                    | 1<br>1                       | 1<br>1<br>2                        | 1                                  | 3<br>2<br>5                        | 12<br>15<br>30                     |                                    | 68<br>74<br>140                    | 31<br>31<br>47                     | 6<br>4<br>11                | 4                    |
|                      | J                           |                                   | İ                                  | <b>l</b> 1                   | i i                                | 1                                  |                                    |                                    | <b> </b>                           | ļ                                  |                                    |                             | 6<br>7<br>8<br>9     |
| }                    |                             |                                   | Clas                               | sified da                    | ita for y                          | ears pri                           | or to 19                           | 13 not a                           | vailable                           | •                                  |                                    |                             | 10<br>11             |
|                      |                             |                                   |                                    | •                            | , ,                                |                                    |                                    | ,                                  |                                    |                                    | ,                                  |                             | 12<br>13             |
| <b>-</b>             |                             |                                   |                                    |                              | 2                                  | 6                                  | 29                                 | 125                                | 301                                | 547                                | 170                                | 40                          | 14<br>15             |
|                      |                             |                                   | i                                  | 3                            | 2<br>9                             | 4<br>18                            | 28<br>28                           |                                    | 293<br>256                         | 537<br>505                         |                                    | 36<br>31                    |                      |
|                      | i                           |                                   | 1<br>1                             | 3 3                          | 9                                  | 18<br>7                            | 28<br>18                           |                                    | 265<br>197                         | 499<br>476                         |                                    | 24<br>66                    |                      |
|                      | 1                           |                                   | 1                                  | 3                            | 11                                 | 7                                  | 19                                 | 116                                | 253                                | 578                                | 267                                | 80                          | 20                   |
|                      | 1                           | ı                                 | 1                                  | 1                            | <b>1</b> 1                         |                                    | 1                                  | I                                  |                                    |                                    | I '                                | 1                           | 21<br>22<br>23<br>24 |
| }                    |                             |                                   | Classif                            | ied data                     | for yes                            | ırs prio                           | r to 191                           | 3 not a                            | vailable                           |                                    |                                    |                             | 25<br>26             |
|                      |                             |                                   |                                    | ,                            |                                    |                                    | i                                  |                                    |                                    | ,                                  |                                    | ,                           | 27<br>28             |
|                      |                             |                                   |                                    |                              |                                    | i                                  | 3                                  | 38                                 | 60                                 | 232                                | 92                                 | 23                          | 29<br>30             |
|                      |                             |                                   |                                    |                              | i                                  | 1<br>2                             | 8<br>9                             | 39<br>47                           | 52<br>71                           | 198<br>174                         |                                    |                             |                      |
|                      |                             |                                   |                                    | i                            | $\frac{1}{2}$                      | 3<br>2                             | 5<br>2                             | 40<br>37                           | 63<br>63                           | 178<br>155                         |                                    |                             |                      |
|                      |                             |                                   | 1                                  | 1                            | 2                                  | 3                                  | 2                                  | 40                                 | 91                                 | 244                                | 129                                | 43                          | 35                   |
|                      | i<br>                       | <br>                              | !<br>                              | Class                        | sifie <b>d</b> da<br>5             |                                    | 1912 no<br>17                      |                                    | able.<br>144                       | 252                                | l<br>  30                          | ।<br>भ 8                    | 36<br>37             |
|                      |                             |                                   | 4                                  | 3                            | 5<br>11                            |                                    | 17<br>24                           |                                    |                                    | 241<br>221                         |                                    |                             |                      |
|                      | ļ                           | ļ                                 |                                    | 3                            | 11<br>2                            | 6<br>5                             | 24<br>7                            | 103<br>84                          |                                    | 239<br>249                         |                                    |                             |                      |
| l                    | l                           | ļ                                 | ļ                                  |                              | 3                                  | 9                                  | 8                                  | 96                                 | 192                                | 318                                | 232                                | 116                         | 42                   |

Table A.-AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK EARNINGS, IN THE UNITED STATES,

|                      |  |                              |                                | J.                                     | ARN                                 | ING  |                                       | 11112                     | UIVI                 | LED                               | BIA                       | TES,             |
|----------------------|--|------------------------------|--------------------------------|--|-------------------------------------|--|---------------------------------------|---------------------------|----------------------|-----------------------------------|---------------------------|------------------|
|                      |  |                              | Num-                           | Aver-                                  | Aver-                               | Aver-  | Empl                                  | oyees v                   | vhose i<br>week v    | full-tin<br>were—-                | ne hour                   | rs per           |
| Line<br>No.          | Occupation, sex, and<br>number of establish-<br>ments. | Year.                        | ber of<br>em-<br>ploy-<br>ees. | full-<br>time<br>hours<br>per<br>week. | rate<br>of<br>wages<br>per<br>hour. | full-<br>time<br>week-<br>ly<br>earn-<br>ings. | Over<br>48<br>and<br>under<br>51.     | 51<br>and<br>under<br>54. | 54.                  | Over<br>54<br>and<br>under<br>57. | 57<br>and<br>under<br>60. | 60.              |
|                      | 1  | LAST                         | ing d                          | EPAR                                   | TME                                 | NT—C   | onclud                                | ed.                       |                      |                                   |                           |                  |
|                      | Turn sewers, machine,                                  |                              |                                |  |                                     |  |                                       |                           |                      |                                   |                           |                  |
| 1<br>2               | male:<br>17 establishments                             | 1914<br>1916                 | 4 5                            |  | \$0.401<br>.408                     | \$21.54<br>21.93                               |                                       | 5<br>6                    | 4 3                  | 27<br>30                          | 3 3                       |                  |
| 3                    | 29 establishments                                      | 1916                         | 8                              | 1                                      | 1                                   | l  |                                       |                           | 14                   |                                   | 10                        | <b>-</b>         |
|                      |  | В                            | OTTO                           | MING                                   | DEPA                                | RTM  | ENT.                                  |                           |                      |                                   |                           |                  |
| 4                    | Goodyear welters, male:<br>14 establishments           | 1907                         | 6                              |  | <b>\$</b> 0. 409                    | <b>\$22.</b> 86                                |                                       |                           | 22                   |                                   |                           |                  |
| 5<br>6<br>7          |  | 1908<br>1909<br>1910         | 7<br>7<br>8                    | 4 55.7                                 | . 444                               | 24. 73   |                                       |                           | 23<br>27<br>29       | 18<br>21<br>20                    | 29<br>26<br>32            |                  |
| 8                    | 45 establishments                                      | 1910<br>1911                 | 27<br>28                       |  |                                     | 24. 49<br>25. 88                               |                                       | 19<br>27                  | 79<br>78             |                                   | 61<br>52                  | 52<br>51         |
| 10<br>11             | 60 establishments                                      | 1911<br>1912                 | 39<br>41                       |  |                                     |  |                                       | 27<br>40                  | 132<br>162           |                                   | 77<br>84                  | 63<br>57<br>61   |
| 12<br>13             | 70 establishments                                      | 1912<br>1913                 | 46<br>47                       |  |                                     | 24.75<br>27.60                                 |                                       | 40<br>44                  | 177<br>188           | 91<br>139                         | 98<br>85                  | 61<br>60<br>19   |
| 14<br>15             | 66 establishments                                      | 1913<br>1914                 | 45<br>41                       |  | . 503<br>. 508                      | 27. 71<br>27. 90                               |                                       | 44<br>48                  | 188<br>145           | 136<br>167                        | 74<br>52                  | 16<br>6          |
| 16<br>17             | 67 establishments                                      | 1914<br>1916                 | 41<br>41                       |  | .506<br>.519                        | 27. 85<br>28. 49                               |                                       | 48<br>63                  | 145<br>134           | 153<br>143                        | 60<br>52                  | 11<br>18         |
| 18                   | 89 establishments                                      | 1916                         | 46                             | 7 54.9                                 | . 520                               | 28. 50   | 6                                     | 70                        | 159                  | 156                               | 57                        | 19               |
| 19<br>20<br>21<br>22 | Rough rounders, male:<br>15 establishments             | 1907<br>1908<br>1909<br>1910 | 4<br>4<br>5<br>5               | 9 56.0<br>4 55.8                       | .368<br>.434                        | 21.67<br>20.61<br>24.22<br>22.81               |                                       |                           | 13<br>13<br>18<br>19 | 15<br>16<br>16<br>16              | 20<br>20<br>20<br>21      |                  |
| 23<br>24             | 44 establishments                                      | 1910<br>1911                 | 16<br>16                       |  | .406<br>.438                        |  | 1                                     |                           | 41<br>39             | 40<br>59                          | 44<br>33                  | 39<br>35         |
| 25<br>26             | 60 establishments                                      | 1911<br>1912                 | 22<br>24                       |  |                                     |  |                                       | 2<br>23                   | 65<br>88             | 68<br>50                          | 43<br>50                  |                  |
| 27<br>28             | 69 establishments                                      | 1912<br>1913                 | 27<br>26                       |  |                                     | 24.21<br>27.37                                 | ••••                                  | 23<br>27                  | 93<br>99             | 60<br>84                          | 56<br>47                  | 41<br>8          |
| 29<br>30             | 67 establishments                                      | 1913<br>1914                 | 26<br>24                       |  |                                     | 27.35<br>27.74                                 |                                       | 27<br>34                  | <b>99</b><br>73      | 83<br>102                         | 44<br><b>2</b> 6          | 8<br>5           |
| 31<br>32             | 67 establishments                                      | 1914<br>1916                 | 24:<br>24:                     |  | .500<br>.503                        | 27.52<br>27.64                                 | ••••                                  | 34<br>38                  | 73<br>71             | 95<br>93                          | 32<br>32                  | 9<br>11          |
| 33                   | 91 establishments                                      | 1916                         | 29                             | 54.9                                   | . 491                               | <b>26.</b> 89                                  | 4                                     | 48                        | 92                   | 104                               | <b>3</b> 6                | 12               |
|                      | Goodyear stitchers,<br>male:                           |                              | -                              |  |                                     |  |                                       | -                         |                      |                                   |                           |                  |
| 34<br>35<br>36<br>37 | 21 establishments                                      | 1907<br>1908<br>1909<br>1910 | 21<br>21<br>22<br>22<br>22     | 4 55.1<br>1 55.3                       | .376<br>.394                        | 20.72<br>21.79                                 | • • • • • • • • • • • • • • • • • • • | 23<br>21<br>26<br>21      | 93<br>92<br>76<br>77 | 45<br>59<br>66<br>70              | 53                        |                  |
| 38<br>39             | 45 establishments                                      | 1910<br>1911                 | 36<br>39                       |  | .374<br>.388                        | 20.97<br>21.65                                 | 3<br>3                                |                           | 88<br>106            | 96<br>118                         | 89<br>81                  | 69<br>6 <b>2</b> |
| 40<br>41             | 61 establishments                                      | 1911<br>1912                 | 52<br>56                       |  | .387<br>.385                        |  |                                       | 28<br>38                  | 184<br>221           | 133<br>103                        | 110<br>105                |                  |

### AND RATES OF WAGES PER HOUR, AND AVERAGE FULL-TIME WEEKLY BY YEARS, 1907 TO 1916—Continued.

|                      |                                  |                                   | Emj                                | ployees                      | whose r                      | ates of                      | wages p                      | er hour                            | were—                              |                                    |                                    |                             | <del></del>                |
|----------------------|----------------------------------|-----------------------------------|------------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|-----------------------------|----------------------------|
| Under<br>6<br>cents. | 6<br>and<br>under<br>8<br>cents. | 8<br>and<br>under<br>10<br>cents. | 10<br>and<br>under<br>12<br>cents. | and<br>under<br>14<br>cents. | and<br>under<br>16<br>cents. | and<br>under<br>18<br>cents. | and<br>under<br>20<br>cents. | 20<br>and<br>under<br>25<br>cents. | 25<br>and<br>under<br>30<br>cents. | 30<br>and<br>under<br>40<br>cents. | 40<br>and<br>under<br>50<br>cents. | 50<br>cents<br>and<br>over. | Line<br>No.                |
| `                    |                                  |                                   |                                    | LAST                         | ING I                        | DEPAR                        | TMEN                         | T—Co                               | ncluded                            |                                    |                                    |                             | <u></u>                    |
|                      |                                  |                                   |                                    |                              |                              |                              | 1                            | 1                                  | 1<br>20<br>20                      | 24<br>8<br>12                      | 12<br>11<br>20                     | 10<br>12<br>27              | ì                          |
|                      |                                  | !                                 | !                                  | В                            | OTTO                         | MING                         | DEPA]                        | RTME                               | NT.                                |                                    | ,                                  |                             |                            |
|                      |                                  |                                   |                                    |                              |                              |                              |                              |                                    |                                    | <del></del>                        |                                    |                             | _                          |
|                      |                                  |                                   | Classifi                           | ied data                     | s for ye                     | ars prio                     | r to 191                     | 3 not a                            | vailable                           | •                                  | -                                  |                             | 5<br>6<br>7<br>8<br>9      |
|                      |                                  |                                   |                                    |                              |                              |                              |                              | 5                                  | 21                                 | 80                                 | 125                                | 241                         | 12<br>12<br>13             |
|                      |                                  |                                   |                                    |                              |                              |                              | i                            | 5<br>5                             | l .                                | 78<br>66                           | 117                                | 238<br>215                  | 15                         |
|                      |                                  |                                   |                                    | 1<br>1                       |                              |                              | 3                            | *                                  | 17                                 | 66<br>49<br>59                     | 104                                | 211<br>225<br>262           | 17                         |
| <u>.</u>             | I                                | ļ                                 | I                                  | I                            | i                            | ,                            | ı                            | I                                  | -                                  |                                    | 1                                  | l                           | 19<br>20<br>21<br>22       |
| }                    |                                  |                                   | Class                              | sified da                    | ta for y                     | ears pri                     | or to 191                    | 13 not a                           | vailable.                          |                                    |                                    |                             | 23<br>24                   |
| ]                    | 1                                | ſ                                 | 1                                  | i                            | ı                            | ŀ                            | Í                            | 1                                  | 1                                  | ſ                                  |                                    | 1                           | 25<br>26                   |
|                      |                                  |                                   |                                    |                              |                              | i                            |                              | 5                                  |                                    | 58                                 | }                                  | 117                         | i -                        |
|                      |                                  |                                   |                                    |                              |                              | 1                            |                              | 3                                  |                                    | 58<br>43                           | 70                                 | 115<br>114                  | 30                         |
|                      |                                  |                                   |                                    |                              |                              | 2                            | ì                            | 3 7                                | ľ                                  | 47<br>48                           | 60                                 | 109<br>113                  | 32                         |
| ·····                |                                  |                                   |                                    |                              |                              | . 2                          | 1                            | 10                                 | 18                                 | 63                                 | 72                                 | 130                         | 3 <b>3</b>                 |
|                      | I                                | ľ                                 | Class                              | l<br>sified de               | ta for y                     | ;<br>years pr                | l<br>ior to 19               | )<br>13 not a                      | i<br>vailable                      | ).                                 | 1                                  | l                           | 34<br>35<br>36<br>37<br>38 |
|                      |                                  |                                   |                                    |                              |                              |                              |                              |                                    |                                    |                                    |                                    |                             | 38<br>39<br>40<br>41       |

Table A.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK EARNINGS, IN THE UNITED STATES,

|             |  |       | Num-                           | Aver-         | Aver-                      | Aver-<br>age<br>full-                 | Empl                              | oyees v                   |     | full-tim<br>vere—                 | ne hour                   | s per |
|-------------|--|-------|--------------------------------|---------------|----------------------------|---------------------------------------|-----------------------------------|---------------------------|-----|-----------------------------------|---------------------------|-------|
| Line<br>No. | Occupation, sex, and<br>number of establish-<br>ments. | Year. | ber of<br>em-<br>ploy-<br>ees. | full-<br>time | rate<br>of<br>wages<br>per | time<br>week-<br>ly<br>earn-<br>ings. | Over<br>48<br>and<br>under<br>51. | 51<br>and<br>under<br>54. | 54. | Over<br>54<br>and<br>under<br>57. | 57<br>and<br>under<br>60. | 60.   |

### BOTTOMING DEPARTMENT—Continued.

| 1<br>2               | Goodyear stitchers,<br>male—concluded.<br>70 establishments | 1912<br>1913                 | 627<br>642           | 55. 9<br>55. 2                   | \$0.376<br>.399                  |                                      |          | 38<br>60            | 232<br>267 | 125<br>184           | 128<br>119           | 104<br>12 |
|----------------------|---|------------------------------|----------------------|----------------------------------|----------------------------------|--------------------------------------|----------|---------------------|------------|----------------------|----------------------|-----------|
| 3<br>4               | 67 establishments   | 1913<br>1914                 | 633<br>569           | 55. 1<br>54. 9                   | .398<br>.413                     | 21.87<br>22.65                       | <b>.</b> | 60<br><b>7</b> 3    | 267<br>190 | 185<br>231           | 109<br>68            | 12<br>7   |
| 5<br>6               | 65 establishments   | 1914<br>1916                 | 559<br>557           | 55. 0<br>55. 0                   | . 412<br>. 433                   | 22. 62<br>23. 76                     |          | 73<br>83            | 190<br>188 | 208<br>198           | 75<br>68             | 13<br>20  |
| 7                    | 97 establishments   | 1916                         | 656                  | <b>54.</b> 8                     | . 437                            | 23.87                                | 15       | 97                  | 228        | 218                  | 77                   | 21        |
| 8<br>9<br>10<br>11   | McKay sewers, male:<br>5 establishments                     | 1907<br>1908<br>1909<br>1910 | 34<br>25<br>28<br>26 | 55. 2<br>55. 3<br>55. 7<br>55. 2 | . 288<br>. 311<br>. 274<br>. 279 | 15. 90<br>17. 20<br>15. 26<br>15. 40 |          | 14<br>9<br>9<br>10  |            | 11<br>9<br>8<br>7    | 9<br>7<br>11<br>9    |           |
| 12<br>13             | 28 establishments   | 1910<br>1911                 | 95<br>107            | 57. 1<br>56. 7                   | . 290<br>. 290                   | 16.46<br>16.35                       | 1<br>1   | 10<br>13            | 5<br>7     | 24<br>29             | 30<br>43             | 25<br>14  |
| 14<br>15             | 30 establishments   | 1911<br>1912                 | 129<br>128           | 56. 5<br>56. 3                   | . 296<br>. 285                   | 16.63<br>16.10                       |          | 13<br>3             | 9<br>24    | 49<br>40             | 43<br>50             | 15<br>11  |
| 16<br>17             | 32 establishments   | 1912<br>1913                 | 131<br>136           | 56. 1<br>55. 6                   | . 286<br>. 319                   | 16.00<br>17.70                       |          | 3<br>5              | 26<br>35   | 42<br>62             | 52<br>30             | 8<br>4    |
| 18<br>19             | 32 establishments   | 1913<br>1914                 | 128<br>130           | 55. 5<br>55. 5                   | .319<br>.343                     | 17.68<br>19.00                       |          | 5<br>7              | 35<br>6    | 63<br>74             | 21<br>31             | 4         |
| 20<br>21             | 30 establishments   | 1914<br>1916                 | 123<br>136           | 55. 7<br>55. 7                   | .327<br>.341                     | 18. 17<br>18. 91                     | 8        | 7<br>9              |            | 79<br>51             | 17<br>33             | 5<br>12   |
| 22                   | 61 establishments   | 1916                         | 210                  | 55. 2                            | . 349                            | 19. 51                               | 15       | 14                  | 42         | 89                   | 38                   | 12        |
| 23<br>24             | Heelers, male:<br>31 establishments                         | 1911<br>1912                 | 115<br>124           | 55. 8<br>55. 7                   | . 403<br>. 391                   | 22. 52<br>21. 71                     |          | 10<br>8             | 33<br>46   | 26<br>25             | 44<br>39             | 2<br>6    |
| 25<br>26             | 67 establishments   | 1912<br>1913                 | 254<br>269           | 56, 2<br>55, 4                   | . 378<br>. 424                   | 21. 17<br>23. 41                     |          | 9<br>12             | 87<br>114  | 49<br>83             | 69<br>52             | 40<br>8   |
| 27<br>28             | 72 establishments   | 1913<br>1914                 | 291<br>293           | 55. 3<br>55. 1                   | . 424<br>. 400                   | 23, 32<br>21, 98                     | 7        | 21<br>38            |            | 87<br>120            | 54<br>48             | 8<br>10   |
| 29<br>30             | 76 establishments   | 1914<br>1916                 | 305<br>323           | 55. 3<br>55. 3                   | . 403<br>. 429                   | 22, 22<br>23, 66                     | 7<br>6   | 38<br>42            | 73<br>81   | 116<br>116           | 57<br>59             | 14<br>19  |
| 31                   | 130 establishments  | 1916                         | 440                  | 55. 0                            | . 430                            | 23. 59                               | 20       | 59                  | 114        | 162                  | 64                   | 21        |
| 32<br>33<br>34<br>35 | Heel trimmers or shavers, male: 23 establishments           | 1907<br>1908<br>1909<br>1910 | 99<br>84<br>82<br>91 | 55. 1<br>55. 2<br>55. 3<br>55. 2 | . 447                            | 24. 13<br>24. 23<br>24. 72<br>24. 45 |          | 25<br>15<br>12<br>1 | 22         | 29<br>29<br>28<br>31 | 21<br>18<br>20<br>22 |           |
| 36<br>37             | 55 establishments   | 1910<br>1911                 | 189<br>193           | 56. 6<br>56. 5                   |                                  | 23. 03<br>23. 34                     | 1<br>1   | 17<br>16            | 27<br>29   | 54<br>59             | 50<br>52             | 40<br>36  |
| 38<br>39             | 71 establishments   | 1911<br>1912                 | 246<br>239           | 56. 5<br>56. 0                   |                                  | 23. 32<br>23. 10                     |          | 16<br>18            |            | 80<br>56             | 60<br>63             | 43<br>32  |
| 40<br>41             | 81 establishments   | 1912<br>1913                 | 252<br>277           | 56. 0<br>55. 4                   |                                  | 23. 39<br>24. 74                     |          | 18<br><b>3</b> 0    | 90         | 61<br>91             | 66<br>59             | 32<br>7   |
| 42<br>43             | 77 establishments   | 1913<br>1914                 | 271<br>262           | 55. 3<br>55. 1                   |                                  |                                      | 6        | 30<br>37            | 90<br>51   | 89<br>123            | 55<br>40             | 7<br>5    |

### AND RATES OF WAGES PER HOUR, AND AVERAGE FULL-TIME WEEKLY BY YEARS, 1907 TO 1916—Continued.

|                      |                             | <del></del>                       | Emp                                | oloyees                      | whose r                      | ates of v                          | vages pe                           | r hour                             | were-                              |                                    |                                    |                             |                |
|----------------------|-----------------------------|-----------------------------------|------------------------------------|------------------------------|------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|-----------------------------|----------------|
| Under<br>6<br>cents. | and<br>under<br>8<br>cents. | 8<br>and<br>under<br>10<br>cents. | 10<br>and<br>under<br>12<br>cents. | and<br>under<br>14<br>cents. | and<br>under<br>16<br>cents. | 16<br>and<br>under<br>18<br>cents. | 18<br>and<br>under<br>20<br>cents. | 20<br>and<br>under<br>25<br>cents. | 25<br>and<br>under<br>30<br>cents. | 30<br>and<br>under<br>40<br>cents. | 40<br>and<br>under<br>50<br>cents. | 50<br>cents<br>and<br>over. | Line<br>No.    |
|                      |                             |                                   | I                                  | вотто                        | MING                         | DEPA                               | RTM                                | ENT—(                              | Continu                            | ed.                                |                                    |                             |                |
|                      |                             |                                   |                                    |                              |                              |                                    |                                    |                                    |                                    |                                    |                                    |                             |                |
|                      |                             |                                   |                                    |                              |                              | 3                                  | 2                                  | <b>3</b> 6                         | 92                                 | 242                                | 146                                |                             | 1              |
|                      |                             |                                   |                                    |                              |                              | 3<br>2                             | 2<br>3                             | 38<br>21                           | 88<br>73                           | 239<br>197                         | 146<br>156                         | 117<br>11 <b>7</b>          |                |
|                      | <b>.</b>                    |                                   |                                    | <b>.</b>                     |                              | 2                                  | 3<br>2                             | 23<br>26                           | 71<br>44                           | 193<br>163                         | 153<br>175                         | 114<br>147                  |                |
|                      | · · · · · · ·               |                                   | <b>-</b>                           |                              |                              |                                    | 2                                  | <b>2</b> 6                         | 50                                 | 186                                | 214                                | 178                         | 7              |
| ) '                  | İ                           | ļ                                 | l                                  | l                            | 1                            |                                    |                                    | İ                                  |                                    | İ                                  |                                    |                             | 8              |
|                      |                             |                                   |                                    |                              |                              |                                    |                                    |                                    |                                    |                                    |                                    |                             | 10<br>11       |
|                      |                             |                                   | Clas                               | sified da                    | ata for y                    | ears pr                            | ior to 19                          | 13 not a                           | vailable                           | э.                                 |                                    |                             | 12<br>13       |
|                      |                             |                                   |                                    |                              |                              |                                    |                                    |                                    |                                    |                                    |                                    |                             | 14<br>15       |
|                      | <b>.</b>                    |                                   |                                    |                              | <u>2</u>                     | 2                                  |                                    | 20                                 | 31                                 | 50                                 | <b>2</b> 3                         | 3                           | 16<br>17       |
|                      | · · · · · · · ·             |                                   |                                    |                              | 2 2                          | 2                                  | 5<br>10                            | 18<br>21                           | 29<br>15                           | 47<br>48                           | 22<br>22                           | 3<br>12                     |                |
|                      |                             |                                   |                                    |                              | 2                            | 1                                  | 10                                 | 19                                 | 16                                 | 53                                 | 17<br>27                           | 6                           | 20             |
|                      |                             |                                   |                                    |                              | 1                            | 2                                  | _                                  | 20                                 | 32<br>36                           | 56<br>89                           |                                    | 6<br>17                     | l              |
| ,                    |                             |                                   | Class                              | ifod de                      | ta for y                     |                                    | or to 10                           | 12 not o                           | wailahla                           |                                    |                                    |                             | { 23<br>24     |
| }<br>                |                             | İ                                 | Line                               | l                            | la for y                     | ears pri                           | 01 60 19                           |                                    | Valiable                           | <br>                               | [                                  |                             | 1              |
|                      |                             |                                   |                                    |                              |                              | 1                                  | 1                                  | 23<br>25                           | 22<br>24                           | 79<br>84                           | 60<br>65                           | 83<br>90                    | l              |
|                      |                             |                                   |                                    |                              |                              | 2                                  |                                    |                                    | 31                                 | 86                                 | 62                                 | 71                          | 27<br>28       |
|                      |                             |                                   |                                    | i                            |                              | 2                                  | 4                                  |                                    | 34<br>28                           | 86<br>115                          |                                    | 73<br>91                    | 30             |
|                      |                             |                                   |                                    | 1                            |                              | 2                                  | 4                                  | 26                                 | 42                                 | 152                                | 87                                 | 126                         | 31             |
| 1                    | ļ                           | İ                                 | 1                                  |                              | 1                            | }                                  | i                                  |                                    |                                    |                                    |                                    | I                           | 32             |
|                      |                             |                                   |                                    |                              |                              |                                    |                                    |                                    |                                    |                                    |                                    |                             | 33<br>34<br>35 |
|                      |                             |                                   | Clas                               | sified da                    | ata for y                    | ears pri                           | or to 19                           | 13 not a                           | vailable                           | ) <b>.</b>                         |                                    |                             | 36<br>37       |
|                      |                             |                                   |                                    |                              |                              |                                    |                                    |                                    |                                    |                                    |                                    |                             | 38<br>39       |
|                      |                             |                                   |                                    | i                            | <sub>i</sub>                 | 4                                  | 2                                  | 14                                 | 30                                 | <del>7</del> 1                     | 54                                 | 100                         | 40<br>41       |
|                      |                             |                                   | <b> </b>                           | i                            | 1                            | 4                                  | 2<br>1                             | 16<br>14                           | 30<br>20                           | 70<br>73                           | 53<br>78                           | 95<br>70                    | 42             |

Table A.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK EARNINGS, IN THE UNITED STATES,

|             |  |            | Num-                           | age           | Aver-                      | Aver-<br>age<br>full- | Empl | oyees v                   |     | full-tin<br>were—                 | ie houi                   | s per |
|-------------|--|------------|--------------------------------|---------------|----------------------------|-----------------------|------|---------------------------|-----|-----------------------------------|---------------------------|-------|
| Line<br>No. | Occupation, sex, an<br>number of establish<br>ments. | d<br>Year. | ber of<br>em-<br>ploy-<br>ees. | full-<br>time | rate<br>of<br>wages<br>per | time                  | 48   | 51<br>and<br>under<br>54. | 54. | Over<br>54<br>and<br>under<br>57. | 57<br>and<br>under<br>60. | 60.   |

### BOTTOMING DEPARTMENT—Continued.

|                      | Heel trimmers or shavers, male—Continued.  |                              |                          |                                  |                                  |                                      |          |                      |                       |                      |                      |            |
|----------------------|--|------------------------------|--------------------------|----------------------------------|----------------------------------|--------------------------------------|----------|----------------------|-----------------------|----------------------|----------------------|------------|
| 1<br>2               | 75 establishments                          | 1914<br>1916                 | 258<br>284               | 55. 2<br>55. 0                   | \$0.428<br>.454                  | \$23. 54<br>24. 92                   | 6<br>6   | 37<br>49             | 51<br>64              | 111<br>112           | 44<br>40             | 9<br>13    |
| 3                    | 121 establishments                         | 1916                         | 367                      | 54.9                             | . 449                            | 24.55                                | 16       | 56                   | 88                    | 147                  | 45                   | 15         |
| 4<br>5               | Heel breasters, male:<br>35 establishments | 1 <b>9</b> 11<br>1912        | 76<br>77                 | 56. 1<br>55. 7                   | . 291<br>. 302                   | 16. 23<br>16. 74                     |          | 2<br>8               | 20<br>23              | 20<br>19             | 31<br>23             | 3          |
| 6<br>7               | 75 establishments                          | 1912<br>1913                 | 163<br>171               | 55. 9<br>55. 4                   | . 295<br>. 313                   | 16.36<br>17.27                       |          | 16<br>17             | 48<br>57              | 38<br>56             | 40<br>34             | 21<br>7    |
| 8<br>9               | 73 establishments                          | 1913<br>1914                 | 167<br>161               | 55. 4<br>55. 2                   | .310<br>.306                     | 17. 10<br>16. 81                     | 3        | 17<br>20             | 57<br><b>3</b> 5      | 54<br>73             | 32<br>27             | 7<br>3     |
| 10<br>11             | 70 establishments                          | 1914<br>1916                 | 157<br>176               | 55. 3<br>54. 9                   | .300<br>.314                     | 16. 51<br>17. 30                     | 2<br>3   | 20<br>27             | 35<br>43              | 65<br>74             | 31<br>19             | 4<br>10    |
| 12                   | 111 establishments                         | 1916                         | 232                      | 54.8                             | . 319                            | 17. 50                               | 6        | 33                   | 59                    | 100                  | 23                   | 11         |
| 13<br>14<br>15<br>16 | Edge trimmers, male:<br>23 establishments  | 1907<br>1908<br>1909<br>1910 | 283<br>302<br>287<br>305 | 55. 3<br>55. 1<br>55. 2<br>55. 0 | . 404<br>. 386<br>. 397<br>. 401 | 22. 34<br>21. 27<br>21. 91<br>22. 06 |          | 46<br>48<br>46<br>58 | 93<br>113<br>93<br>97 | 67<br>79<br>83<br>83 | 77<br>62<br>65<br>67 |            |
| 17<br>18             | 55 establishments                          | 1910<br>1911                 | 573<br>615               | 56. 4<br>56. 2                   | .382<br>.390                     | 21. 44<br>21. 80                     | 3<br>4   | 58<br>55             | 117<br>139            | 137<br>175           | 137<br>140           | 121<br>102 |
| 19<br><b>20</b>      | 71 establishments                          | 1911<br>1912                 | 765<br>751               | 56. 1<br>55. 9                   | .389<br>.386                     | 21.73<br>21.48                       |          | 55<br>51             | 220<br>264            | 200<br>146           | 174<br>192           | 116<br>98  |
| 21<br>22             | 81 establishments                          | 1912<br>1913                 | 827<br>838               | 55. 9<br><b>55.</b> 4            | .380<br>.410                     | 21. 15<br>22. 66                     |          | 51<br>49             | 285<br>314            | 176<br>285           | 214<br>160           | 101<br>30  |
| 23<br>24             | 77 establishments                          | 1913<br>1914                 | 815<br>839               | 55. 3<br>55. 0                   | . 411<br>. 404                   | 22. 66<br>22. 18                     | 19       | 49<br>100            | 314<br>220            | 282<br>363           | 140<br>122           | . 30<br>15 |
| 25<br>26             | 77 establishments                          | 1914<br>1916                 | 827<br>835               | 55. 1<br>55. 1                   | . 398<br>. 426                   | 21.90<br>23.38                       |          | 100<br>109           | 220<br>234            | 337<br>325           | 130<br>123           | 21<br>28   |
| 27                   | 129 establishments                         | 1916                         | 1,081                    | 54. 9                            | . 423                            | <b>23.</b> 16                        | 49       | 126                  | 316                   | 427                  | 132                  | 31         |
| 28<br>29<br>30<br>31 | Edge setters, male:<br>18 establishments   | 1907<br>1908<br>1909<br>1910 | 134<br>142<br>150<br>163 | 56. 0<br>56. 2<br>56. 1<br>55. 9 | .400<br>.351<br>.381<br>.385     | 22. 40<br>19. 73<br>21. 37<br>21. 52 |          |                      | 31<br>29<br>35<br>34  | 50<br>48<br>53<br>58 | 53<br>65<br>62<br>71 |            |
| 32<br>33             | 54 establishments                          | 1910<br>1911                 | 560<br>573               | 56. 3<br>56. 3                   | . 373<br>. 380                   | 20.94<br>21.31                       | 3<br>4   | 72<br>60             | 97<br>113             | 142<br>148           | 146<br>147           | 100<br>101 |
| 34<br>35             | 68 establishments                          | 1911<br>1912                 | 722<br>698               | 56. 3<br>55. 8                   | .380<br>.389                     | 21. 29<br>21. 63                     |          | 60<br>52             | 191<br>257            | 170<br>149           | 177<br>142           | 124<br>98  |
| 36<br>37             | 78 establishments                          | 191 <b>2</b><br>1913         | 789<br>815               | 55. 8<br>55. 3                   | . 379<br>. 413                   | 21.05<br>22.78                       |          | 52<br>64             | 273<br>300            | 190<br>276           | 171<br>148           | 103<br>27  |
| 38<br>39             | 77 establishments                          | 1913<br>1914                 | 826<br>827               | 55. 3<br>55. 1                   | . 411<br>. 410                   | 22. 70<br>22. 54                     |          | 64<br>109            | 300<br>187            | 276<br>366           | 159<br>127           | 27<br>18   |
| 40<br>41             | 78 establishments                          | 1914<br>1916                 | 819<br>770               | 55. 1<br>55. 1                   | . 405<br>. 413                   |                                      | 28<br>24 | 109<br>104           | 187<br>195            | 331<br>302           | 133<br>116           | 31<br>29   |
| 42                   | 131 establishments                         | 1916                         | 966                      | 54. 9                            | . 414                            | <b>22.</b> 62                        | 50       | 121                  | 263                   | 374                  | 128                  | 30         |

## AND RATES OF WAGES PER HOUR, AND AVERAGE FULL-TIME WEEKLY BY YEARS, 1907 TO 1916—Continued.

|                      |                             |                                   | Em                                 | ployees                      | whose r                      | ates of                            | wages p                            | er hour                            | were—                              |                                    |                                    |                             |           |
|----------------------|-----------------------------|-----------------------------------|------------------------------------|------------------------------|------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|-----------------------------|-----------|
| Inder<br>6<br>cents. | and<br>under<br>8<br>cents. | 8<br>and<br>under<br>10<br>cents. | 10<br>and<br>under<br>12<br>cents. | and<br>under<br>14<br>cents. | and<br>under<br>16<br>cents. | 16<br>and<br>under<br>18<br>cents. | 18<br>and<br>under<br>20<br>cents. | 20<br>and<br>under<br>25<br>cents. | 25<br>and<br>under<br>30<br>cents. | 30<br>and<br>under<br>40<br>cents. | 40<br>and<br>under<br>50<br>cents. | 50<br>cents<br>and<br>over. | Lin<br>No |
|                      | 1                           |                                   | В                                  | OTTO                         | MING                         | DEPA                               | RTMI                               | ENT-C                              | ontinue                            | d.                                 |                                    |                             | 1         |
|                      |                             |                                   |                                    | 1 2                          | 1                            | 4                                  | 1                                  | 15                                 | 22<br>26                           | 79<br>74                           | 75                                 | 60                          |           |
|                      |                             |                                   |                                    | 2                            | 2 2                          | 1                                  | 2                                  | 14<br>17                           | 37                                 | 95                                 | 69<br>91                           | 96<br>120                   |           |
|                      | ]                           |                                   | Class                              | ified da                     | <br>ita for y                | ears pri                           | or to 19                           | ]<br>13 not a                      | vailable                           | ).<br>).                           |                                    |                             | {         |
|                      |                             |                                   | i                                  | 2                            | ii                           | ····· <sub>7</sub>                 | 5                                  | 22                                 | 37                                 | 51                                 | 26                                 | 9                           | ľ         |
|                      |                             |                                   | 1<br>2                             | 2                            | 11<br>4                      | 7<br>11                            | 5<br>7                             | 21<br>31                           | 38<br>30                           | 50<br>48                           | 24<br>21                           | 8 7                         |           |
|                      |                             |                                   | 2                                  | 4                            | 5<br>8                       | 10<br>8                            | 8<br>6                             | 30<br>20                           | 30<br>27                           | 48<br>.70                          | 19<br>28                           | 5<br>5                      |           |
| <b></b>              |                             |                                   | •••••                              | 4                            | 9                            | 11                                 | 9                                  | 28                                 | 41                                 | 85                                 | 33                                 | 12                          |           |
|                      |                             |                                   |                                    |                              |                              |                                    |                                    |                                    |                                    |                                    |                                    |                             |           |
|                      |                             |                                   | Class                              | ifie <b>d d</b> a            | ta for y                     | ears pri                           | or to 19                           | 13 not a                           | vailable                           | ٠.                                 |                                    |                             |           |
|                      |                             |                                   |                                    |                              |                              |                                    |                                    |                                    |                                    |                                    |                                    |                             |           |
|                      | 1                           |                                   | ]                                  | l                            | 1                            | <b>.</b>                           | ١.                                 | ١.                                 |                                    |                                    | İ .                                |                             | l         |
|                      |                             |                                   |                                    |                              |                              | 5                                  |                                    | 44                                 | 96<br>93                           | 264<br>256                         | 268<br>264                         | 154<br>150                  | 1         |
|                      |                             |                                   |                                    |                              | 3 3 2                        |                                    |                                    | 30                                 | 100<br>98                          | 306<br>311                         | 242<br>234                         | 147<br>134                  | 1         |
| <br>                 |                             |                                   | 1                                  | 1<br>2                       | l                            | i                                  | ł                                  | l .                                | 76<br>101                          | 263<br>344                         | 245<br>322                         | 206<br>256                  | 1         |
|                      |                             |                                   |                                    |                              | İ                            |                                    | İ                                  |                                    |                                    |                                    |                                    |                             | (         |
|                      |                             |                                   |                                    |                              |                              |                                    |                                    |                                    |                                    |                                    |                                    |                             |           |
|                      |                             |                                   | Class                              | ified da                     | ta for y                     | ears pri                           | or to 19                           | 13 not a                           | vailable                           | •                                  |                                    |                             | K         |
|                      |                             | ,                                 |                                    |                              |                              |                                    |                                    |                                    |                                    |                                    |                                    |                             |           |
|                      |                             |                                   |                                    |                              | <br>                         | <sub>2</sub>                       | 4                                  | 22                                 | 87                                 | 274                                | 270                                | 156                         | 5         |
|                      |                             |                                   |                                    |                              |                              | 2                                  | 6                                  | 23<br>17                           |                                    | 281<br>308                         | 270<br>293                         | 156<br>126                  |           |
|                      | I                           | 1                                 |                                    |                              |                              | ١.                                 |                                    | 17                                 | 80                                 | 310                                | 295                                | 112                         | J         |
|                      |                             |                                   |                                    |                              | 1                            | 3                                  | 6                                  |                                    | 79                                 | 278                                | 295<br>220                         | 164                         |           |

Table A.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK EARNINGS, IN THE UNITED STATES,

|                      |  |                              | Num-                           | Aver-                                  | Aver-           | Aver-<br>age<br>full-                          | Emple                             | oyees wh                  | ose i                    | full-tin<br>vere—                 | ne hour                   | s per      |
|----------------------|--|------------------------------|--------------------------------|--|-----------------|--|-----------------------------------|---------------------------|--------------------------|-----------------------------------|---------------------------|------------|
| Line<br>No.          | Occupation, sex, and<br>number of establish-<br>ments. | Year.                        | ber of<br>em-<br>ploy-<br>ees. | full-<br>time<br>hours<br>per<br>week. | rate<br>of      | tull-<br>time<br>week-<br>ly<br>earn-<br>ings. | Over<br>48<br>and<br>under<br>51. | 51<br>and<br>under<br>54. | 54.                      | Over<br>54<br>and<br>under<br>57. | 57<br>and<br>under<br>60. | 60.        |
|                      | В  | тто                          | MING                           | DEPA                                   | RTM             | ENT-   | -Conclu                           | ded.                      |                          |                                   |                           |            |
| 1<br>2               | Heel scourers, male:<br>35 establishments              | 1911<br>1912                 | 125<br>154                     | 54. 8<br>55. 5                         |                 | \$16. 12<br>16. 25                             |                                   | 7<br>15                   | 44<br>59                 | 30<br>24                          | 42<br>52                  | 2<br>4     |
| 3<br>4               | 78 establishments                                      | 1912<br>1913                 | 342<br>364                     | 56. 0<br>55. 4                         | .289<br>.314    |  |                                   | 20<br>36                  | 116<br>123               | 67<br>1 <b>22</b>                 | 89<br>66                  | 50<br>17   |
| 5<br>6               | 76 establishments                                      | 1913<br>1914                 | 360<br>345                     | 55. 4<br>55. 2                         | .313<br>.312    |  | ····· <sub>7</sub>                | 36<br>44                  | 123<br>78                | 121<br>151                        | 63<br>57                  | 17<br>8    |
| 7<br>8               | 76 establishments                                      | 1914<br>1916                 | 351<br>384                     | 55. 0<br>55. 2                         |                 |  | 7<br>4                            | 44<br>62                  | 78<br>96                 | 144<br>142                        | 64<br>60                  | 14<br>20   |
| 9                    | 125 establishments<br>Heel burnishers, male:           | 1916                         | 504                            | 55.0                                   | .346            | 18, 94   | 18                                | 73                        | 130                      | 195                               | 66                        | 22         |
| 10<br>11             | 33 establishments                                      | 1911<br>1912                 | 106<br>108                     | 55. 6<br>55. 4                         |                 | 16. 97<br>17. 31                               |                                   | 2<br>5                    | 42<br>45                 | 27<br>25                          | 34<br>30                  | 1<br>3     |
| 12<br>13             | 74 establishments                                      | 1912<br>1913                 | 254<br>268                     | 56. 1<br>55. 4                         | . 292           |  |                                   | 13<br>15                  | 84<br>108                | 57<br>83                          | 63<br>51                  | 37<br>11   |
| 14<br>15             | 75 establishments                                      | 1913<br>1914                 | 280<br>261                     |  |                 |  | 4                                 | 15<br>26                  | 108<br>59                | 90<br>118                         | 56<br>46                  | 11<br>8    |
| 16<br>17             | 75 establishments                                      | 1914<br>1916                 | 262<br>261                     |  |                 |  | 4<br>5                            | 26<br>26                  | 59<br>69                 | 121<br>92                         | 40<br>52                  | 12<br>17   |
| 18                   | 127 establishments                                     | 1916                         | 367                            | 55. 2                                  | .325            | 17.84  | 14                                | 34                        | 99                       | 109                               | 92                        | 19         |
| 19<br>20             | Buffers, male:<br>36 establishments                    | 1911<br>1912                 | 174<br>170                     | 55. 8<br>55. 8                         | . 294           | 16.37<br>17.06                                 |                                   | 5<br>5                    | 51<br>52                 | 49<br>48                          | 67<br>58                  | 2<br>7     |
| 21<br>22             | 72 establishments                                      | 1912<br>1913                 | 338<br>354                     |  | . 289<br>. 319  |  |                                   | 21<br>23                  | 107<br>123               | 67<br>134                         | 105<br>57                 | 38<br>17   |
| 23<br>24             | 72 establishments                                      | 1913<br>1914                 | 358<br>370                     | 55. 3<br>55. 2                         | .318<br>.310    |  | 14                                | 23<br>33                  | 126<br>75                | 132<br>181                        | 60<br>59                  | 17<br>8    |
| 25<br>26             | 72 establishments                                      | 1914<br>1916                 | 364<br>359                     | 55. 3<br>55. 2                         | .306<br>.324    | 16.89<br>17.88                                 | 14<br>13                          | 33<br>30                  | 74<br>83                 | 165<br>164                        | 66<br>56                  | 12<br>13   |
| 27                   | 129 establishments                                     | 1916                         | 535                            | 54.9                                   | . 327           | 17. 92   | 24                                | 46                        | 142                      | 247                               | 62                        | 14         |
|                      |  | 1                            | FINISH                         | ING I                                  | DEPA            | RTM  | ENT.                              |                           |                          |                                   |                           |            |
|                      | Treers or ironers, hand,<br>male:                      |                              |                                |  |                 |  |                                   |                           |                          |                                   |                           |            |
| 28<br>29<br>30<br>31 | 17 establishments                                      | 1907<br>1908<br>1909<br>1910 | 381<br>364<br>377<br>444       | 54. 7<br>54. 5<br>54. 6<br>54. 5       | . 293           | \$16.68<br>16.02<br>16.00<br>15.70             |                                   | 107<br>107<br>105<br>173  | 153<br>132<br>124<br>110 | 72<br>102<br>113<br>114           | 49<br>23<br>35<br>47      |            |
| 32<br>33             | 44 establishments                                      | 1910<br>1911                 | 832<br>786                     | 55. 9<br>56. 1                         | . 259           | 14. 42<br>14. 50                               |                                   | 173<br>100                | 140<br>156               | 225<br>250                        | 150<br>141                | 144<br>139 |
| 34<br>35             | 63 establishments                                      | 1911<br>1912                 | 1,006<br>1,076                 | 56. 0<br>55. 9                         | . 267<br>. 262  | 14.84<br>14.57                                 |                                   | 100<br>115                | 265<br>334               | 311<br>239                        | 181<br>239                | 149<br>149 |
| 36<br>37             | 73 establishments                                      | 1912<br>1913                 | 1, 143<br>1, 110               | 55. 8<br>55. 3                         | . 266<br>. 282  | 14.76<br>15.54                                 |                                   | 115<br>125                | 385<br>407               | 263<br>319                        | 220<br>220                | 160<br>39  |
| 38<br>39             | 70 establishments                                      | 1913<br>1914                 | 1, 100<br>1, 109               | 55. 3<br>55. 1                         | . 282<br>. 281  | 15. 54<br>15. 45                               |                                   | 125<br>156                | 410<br>327               | 321<br>433                        | 205<br>170                | 39<br>23   |
| 40<br>41             | 67 establishments                                      | 1914<br>1916                 | 1,095<br>1,038                 | 55. 3<br>55. 1                         | . 279<br>. 295  | 15.39<br>16.24                                 |                                   | 155<br>185                | 327<br>339               | 385<br>326                        | 190<br>156                | 38<br>32   |
| 42                   | 109 establishments                                     | 1916                         | 1, 307                         |  | . 297<br>11 ove |  | 26                                | 212                       | 429                      | 433                               | 162                       | 1 45       |
|                      |  |                              |                                |  |                 |  |                                   |                           |                          |                                   |                           |            |

### AND RATES OF WAGES PER HOUR, AND AVERAGE FULL-TIME WEEKLY BY YEARS, 1907 TO 1916—Continued.

|                                       |                                  |                                   | Em                                 | oloyees                            | whose r                            | ates of                            | wages p                            | er hour                            | were-                              |  |                                    |                             |           |
|---------------------------------------|----------------------------------|-----------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|--|------------------------------------|-----------------------------|-----------|
| nder<br>6<br>cents.                   | 6<br>and<br>under<br>8<br>cents. | 8<br>and<br>under<br>10<br>cents. | 10<br>and<br>under<br>12<br>cents. | 12<br>and<br>under<br>14<br>cents. | 14<br>and<br>under<br>16<br>cents. | 16<br>and<br>under<br>18<br>cents. | 18<br>and<br>under<br>20<br>cents. | 20<br>and<br>under<br>25<br>cents. | 25<br>and<br>under<br>30<br>cents. | 30<br>and<br>under<br>40<br>cents.           | 40<br>and<br>under<br>50<br>cents. | 50<br>cents<br>and<br>over. | Lin<br>No |
|                                       |                                  |                                   | E                                  | отто                               | MING                               | DEPA                               | RTMI                               | ent—c                              | Conclud                            | ed.  |                                    |                             | <u></u>   |
|                                       | r                                | . •                               | Class                              | ified da                           | ta for y                           | ears pri                           | or to 19                           | 13 not a                           | vailable                           |  |                                    | ı                           | {         |
|                                       |                                  |                                   | i                                  | <br>3                              | 6                                  | ii                                 | 21                                 | <br>55                             | 85                                 | 120  | 49                                 | 13                          |           |
|                                       |                                  |                                   | 1<br>1                             | 3<br>5                             | 7<br>7                             | 10<br>12                           | 21<br>14                           | 54<br>70                           | 84<br>75                           | 119<br>99                                    | 49<br>34                           | 12<br>28                    |           |
|                                       |                                  |                                   | 1 4                                | 5<br>1                             | 7                                  | 11<br>8                            | 11<br>5                            | 77<br>46                           | 80<br>79                           | 108<br>124                                   | 28<br>97                           | 23<br>17                    |           |
|                                       |                                  |                                   | 4                                  | 2                                  | 3                                  | 12                                 | 9                                  | 60                                 | 102                                | 164  | 116                                | 32                          |           |
|                                       |                                  |                                   | Clas                               | sified d                           | l<br>ata for y                     | ears pr                            | ior to 19                          | 913 not a                          | availabl                           | e.   | i                                  |                             | { }       |
|                                       |                                  |                                   |                                    | 3                                  | 8                                  | 6                                  | 16                                 | 41                                 | 52                                 | 95   | 44                                 | 3                           | ]         |
|                                       | · · · · · ·                      | i                                 |                                    | 2<br>4                             | 9                                  | 6<br>1                             |                                    |                                    | 53<br>63                           | 102<br>91                                    | 44<br>31                           | 6                           | , ,       |
|                                       |                                  | 1                                 | i                                  | 5                                  | 3 5                                | 1 8                                | 9                                  | 39                                 | 69<br>53                           | 96-<br>86                                    | 30<br>51                           | 9                           | ) 1       |
| •••••                                 |                                  |                                   | 1                                  |                                    | 5                                  |                                    | 1                                  |                                    | 84                                 | 117  | 64                                 | 14                          | 1         |
|                                       | İ                                |                                   | Clas                               | sified da                          | i<br>ata for y                     | ears pr                            | ior to 19                          | )<br>13 not s                      | vailable                           | )<br>Ə.                                      |                                    |                             | { 1 2     |
|                                       |                                  | <u>2</u>                          | <sub>i</sub>                       | <u>.</u>                           | <sub>i</sub>                       | 6                                  | 17                                 | 57                                 | 73                                 | 134  | 52                                 |                             | . 2       |
|                                       |                                  | 2                                 |                                    | 2                                  | 1                                  | 7                                  | 16                                 | 56                                 | 77                                 | 139  | 48                                 | g                           | 9 2       |
| <b>-</b>                              |                                  |                                   |                                    | 1                                  | 8                                  | 15                                 | 20                                 | 60                                 | 66                                 | 150  | 33                                 | 11                          | l 2       |
| • • • • • • • • • • • • • • • • • • • |                                  |                                   | 4                                  | 5<br>7                             | 3                                  | 2                                  | 13                                 | 1                                  | 85<br>134                          | 146<br>208                                   | 59<br>83                           | 17                          | 1         |
|                                       |                                  | <u>'</u>                          |                                    | F                                  | INISH                              | ING D                              | EPAR                               | TMEN                               | T.                                 | <u>'                                    </u> |                                    |                             | -         |
|                                       |                                  | •                                 |                                    |                                    |                                    |                                    |                                    |                                    |                                    |  | <u> </u>                           | -                           |           |
|                                       |                                  |                                   |                                    |                                    |                                    |                                    |                                    |                                    |                                    |  |                                    |                             | 2         |
|                                       |                                  |                                   | Class                              | ified da                           | ta for y                           | ears pri                           | or to 19                           | 13 not a                           | vailable                           |  |                                    |                             | '         |
|                                       |                                  |                                   |                                    |                                    |                                    |                                    |                                    |                                    |                                    |  |                                    |                             |           |
|                                       | j                                |                                   |                                    |                                    | i                                  | ł                                  | [                                  | !                                  | 1                                  | ļ  | 1                                  | 1                           | 1 8       |
|                                       |                                  |                                   | 1                                  | 21                                 | 27                                 | 55                                 | 1                                  | ļ                                  |                                    |  | 59                                 |                             | 1         |
|                                       |                                  | i                                 |                                    | 22                                 | 30                                 | l                                  | 78                                 | 204                                | 285                                | 348  | ì                                  | 19                          | 9 8       |
| •••••                                 |                                  | 2<br>1                            | l                                  | 22<br>10                           | 27<br>18                           | 62<br>24                           |                                    |                                    |                                    | 344<br>353                                   | 53<br>66                           | 19<br>35                    | 5 4       |
| •••••                                 |                                  | 1                                 | 14                                 | 14                                 | 21                                 | 31                                 | 46                                 | 239                                | 351                                | 456  | 93                                 | 41                          | 4         |

Table A.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK EARNINGS, IN THE UNITED STATES,

|             |  |       | Num-                           | age           | Aver-                      | Aver-<br>age<br>full-                 | Empl                              | oyees v                   |     | full-tim                          | ie h <b>o</b> ur          | s per |
|-------------|--|-------|--------------------------------|---------------|----------------------------|---------------------------------------|-----------------------------------|---------------------------|-----|-----------------------------------|---------------------------|-------|
| Line<br>No. | Occupation, sex, and<br>number of establish-<br>ments. | Year. | ber of<br>em-<br>ploy-<br>ees. | full-<br>time | rate<br>of<br>wages<br>per | time<br>week-<br>ly<br>earn-<br>ings. | Over<br>48<br>and<br>under<br>51. | 51<br>and<br>under<br>54. | 54. | Over<br>54<br>and<br>under<br>57. | 57<br>and<br>under<br>60. | 60.   |

### FINISHING DEPARTMENT-Concluded.

|         | Treers or ironers, hand,<br>female: |              |            |              |                 |      |    |          | •        |         |          |          |
|---------|-------------------------------------|--------------|------------|--------------|-----------------|------|----|----------|----------|---------|----------|----------|
| 1<br>2  | 8 establishments                    | 1910<br>1911 | 74<br>70   | 57.8<br>57.7 | \$0.143<br>.144 |      |    |          | 22<br>23 |         | 32<br>25 | 20<br>22 |
| 3<br>4  | 11 establishments                   | 1911<br>1912 | 85<br>105  | 58.1<br>54.3 |                 |      |    | 11       | 23<br>67 | 13      | 25<br>14 | 37       |
| 5<br>6  | 13 establishments                   | 1912<br>1913 | 108<br>110 |              |                 |      |    | 11<br>20 | 67<br>61 | 13      | 17<br>29 |          |
| 7<br>8  | 12 establishments                   | 1913<br>1914 | 110<br>112 |              |                 |      |    | 20<br>40 | 61<br>24 | 7       | 29       |          |
| 9<br>10 | 11 establishments                   | 1914<br>1916 | 107<br>111 |              |                 |      |    | 40<br>45 | 19<br>34 | 7<br>12 |          |          |
| 11      | 15 establishments                   | 1916         | 144        | 53.1         | . 188           | 9.93 | 20 | 59       | 53       | 12      |          |          |

### OTHER EMPLOYEES (ALL DEPARTMENTS).

|          | Male:                        |              |                   |                |       | [                  |                |                  |                |                |                  |                           |
|----------|------------------------------|--------------|-------------------|----------------|-------|--------------------|----------------|------------------|----------------|----------------|------------------|---------------------------|
| 12<br>13 | 81 establishments            | 1914<br>1916 | 19,667<br>19,001  | 55. 1<br>55. 1 |       | \$12. 28<br>13. 32 | 1 858<br>3 543 | 2, 204<br>2, 555 | 4,792<br>5,440 | 7,774<br>6,672 | 3, 291<br>2, 988 | <sup>2</sup> 748<br>4 803 |
| 14       | 135 establishments.          | 1916         | 24,010            | 55.0           | . 243 | 13.35              | 6 1, 103       | 2,903            | 7,036          | 8,808          | 3, 213           | 6 947                     |
| 15<br>16 | Female:<br>80 establishments | 1914<br>1916 | .11,502<br>11,556 | 54.0<br>54.0   |       | 9.00<br>9.48       | 7 811<br>8 691 | 1,883<br>1,935   | 6,083<br>6,161 | 2,010<br>2,017 |                  |                           |
| 17       | 134 establishments           | 1916         | 14,851            | 53.8           | . 179 | 9. 62              | 9 1, 237       | 2,328            | 8,177          | 2,306          | 803              |                           |

## AND RATES OF WAGES PER HOUR, AND AVERAGE FULL-TIME WEEKLY BY YEARS, 1907 TO 1916—Concluded.

|                      |                                  |                              | Emp            | oloyees                      | whose r                      | ates of v                          | vages p                            | er hour                            | were—                        |                                    |                              | _                           |   |
|----------------------|----------------------------------|------------------------------|----------------|------------------------------|------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------|------------------------------------|------------------------------|-----------------------------|---|
| Under<br>6<br>cents. | 6<br>and<br>under<br>8<br>cents. | and<br>under<br>10<br>cents. | 12             | and<br>under<br>14<br>cents. | and<br>under<br>16<br>cents. | 16<br>and<br>under<br>18<br>cents. | 18<br>and<br>under<br>20<br>cents. | 20<br>and<br>under<br>25<br>cents. | and<br>under<br>30<br>cents. | 30<br>and<br>under<br>40<br>cents. | and<br>under<br>50<br>cents. | 50<br>cents<br>and<br>over. | Line<br>No.   |
|                      |                                  |                              |                | FINI                         | SHIN                         | G DEP                              | ARTM                               | ENT-                               | -Conclu                      | ded.                               |                              |                             |   |
|                      |                                  |                              | Class          | ified da                     | ta for y                     | ears pric                          | or to 19                           | <br>13 not a                       | <br>vailable                 | ·                                  |                              |                             | $\left\{\begin{array}{c}1\\2\\3\\4\end{array}\right.$ |
|                      |                                  | 8                            | 5              | 29                           | 24                           | 13                                 | 14                                 | 9                                  | 4                            | 2                                  |                              |                             | 5 6   |
|                      | 2<br>I                           |                              | 5<br>7         | 29<br>12                     |                              | 13<br>19                           | 14<br>18                           |                                    |                              | 2                                  |                              |                             | 7 8   |
|                      | 1                                | 7 2                          | 7 7            | 11<br>11                     | 15<br>23                     |                                    | 18<br>7                            |                                    | 7<br>12                      |                                    | ¦                            |                             | 9<br>10   |
|                      | 1                                | 3                            | 8              | 12                           | 27                           | 18                                 | 10                                 | 48                                 | 16                           | 1                                  |                              |                             | 11  |
|                      |                                  |                              | отн            | ER E                         | MPLO                         | YEES                               | (ALL                               | DEPA                               | RTME                         | NTS).                              |                              |                             |   |
| 39                   |                                  |                              |                | 1,459<br>1,247               | 1,689<br>1,311               |                                    | 1,609<br>1,326                     |                                    |                              |                                    |                              |                             |   |
| 39                   | 134                              | 525                          | 1,427          | 1,534                        | 1,584                        | 2,160                              | 1,772                              | 4,551                              | 4,123                        | 4,289                              | 1,282                        | 590                         | 14  |
| 66                   | 322                              |                              | 1,509<br>1,485 | 1,484<br>1,442               | 1,391<br>1,300               | 1,466<br>1,399                     | 1, 196<br>1, 197                   | 1,902<br>2,167                     | 825<br>1,031                 | 318<br>451                         |                              |                             |   |
| 62                   | 289                              | 825                          | 1,778          | 1,844                        | 1,637                        | 1,822                              | 1,591                              | 2,862                              | 1,355                        | 673                                | 96                           | 17                          | 17  |

<sup>6</sup> Including 108, over 60 hours.
7 Including 14 under 48 hours, and 1 at 48 hours.
8 Including 17 under 48 hours, and 22 at 48 hours.
9 Including 81 under 48 hours, and 23 at 48 hours.

<sup>5620°-18-</sup>Bull. 232---4

### TABLE B.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK WEEKLY EARNINGS, IN EACH

[The figures for both years are for identical establishments.]

|                | ,                       |                      | r both y                  |  |                                     |                                       | ,                                 |                           |                  |                                   |                           |               |
|----------------|---|----------------------|---------------------------|--|-------------------------------------|---------------------------------------|-----------------------------------|---------------------------|------------------|-----------------------------------|---------------------------|---------------|
|                |   |                      | Num-                      | Aver-                                  | Aver-<br>age                        | Aver-<br>age<br>full-                 | Empl                              | oyees v                   | whose i          | ull-tin<br>vere—                  | e hou                     | s per         |
| Line<br>No.    | Occupation, sex, State,<br>and number of estab-<br>lishments. | Year.                | ber of<br>em-<br>ployees. | full-<br>time<br>hours<br>per<br>week. | rate<br>of<br>wages<br>per<br>hour. | time<br>week-<br>ly<br>earn-<br>ings. | Over<br>48<br>and<br>under<br>51. | 51<br>and<br>under<br>54. | 54.              | Over<br>54<br>and<br>under<br>57. | 57<br>and<br>under<br>60. | 60.           |
|                | •   | ,                    | CUTTI                     | (G D                                   | EPAR                                | TME                                   | NT.                               |                           |                  |                                   |                           |               |
|                | CUTTERS, VAMP AND WHOLE SHOE, HAND, MALE.                     |                      |                           |  |                                     |                                       |                                   |                           |                  |                                   |                           |               |
| 1<br>2         | Illinois:<br>4 establishments                                 | 1914<br>1916         | 132<br>133                | 55. 0<br>54. 2                         | \$0.384<br>.385                     | \$21.10<br>20.85                      |                                   | 36                        |                  | 132<br>97                         |                           |               |
| 3<br>4         | Maine:<br>4 establishments                                    | 1914<br>1916         | 63<br>71                  | 56, 3<br>56, 9                         | . 322<br>. 320                      | 18.06<br>18.15                        |                                   | 10                        | 15<br>19         |                                   | 38<br>52                  |               |
| 5<br>6         | Massachusetts:<br>19 establishments<br>Minnesota:             | 1914<br>1916         | 579<br>532                | 53, 1<br>53, 4                         | . 373<br>. 403                      | 19. 73<br>21. 48                      | 95<br>58                          | 171<br>166                | 276<br>272       | 37<br>36                          |                           |               |
| 7<br>8         | 3 establishments Missouri:                                    | 1914<br>1916         | 28<br>43                  | 59. 8<br>60. 0                         | . 316<br>. 325                      | 18. 92<br>19. 50                      |                                   |                           |                  |                                   | 4                         | 24<br>43      |
| 9<br>10        | 7 establishments New Jersey:                                  | 1914<br>1916         | 125<br>260                | 55. 1<br>54. 7                         | .377<br>.370                        | 20.71<br>20.20                        |                                   |                           | 120              | 68<br>131                         | 13<br>9                   |               |
| 11<br>12       | 4 establishments New York:                                    | 1914<br>1916         | 66<br>61                  | 55. 0<br>55. 0                         | . 354<br>. 330                      |                                       |                                   |                           |                  | 66<br>61                          |                           |               |
| 13<br>14       | 10 establishments Ohio:                                       | 1914<br>1916         | 272<br>283                | 52. 1<br>51. 9                         | .368                                | 21.95                                 | 67<br>86                          | 137<br>133                | 36<br><b>3</b> 5 | 29                                |                           |               |
| 15<br>16       | 6 establishments Pennsylvania:                                | 1914<br>1916         | 205<br>189                | 53. 6                                  | . 412<br>. 373                      | 19.86                                 | 109<br>111                        |                           |                  | 15<br>7<br>71                     | 81<br>69<br>42            | 2             |
| 17<br>18<br>19 | 7 establishments Wisconsin: 2 establishments                  | 1914<br>1916<br>1914 | 135<br>151<br>31          | 55. 9<br>55. 8<br>60. 0                | . 299<br>. 335<br>. 297             | 16. 79<br>18. 77<br>17. 80            |                                   |                           | 22<br>35         | 67                                | 42<br>49                  | 31            |
| 20<br>21       | Other States: 3 establishments                                | 1914<br>1916         | 31<br>17<br>31            | 58.8<br>57.2                           | . 292                               | 17. 18<br>17. 06                      |                                   |                           |                  | 4<br>14                           | 17                        | 13            |
| 22             | Total:  | 1916                 | 50                        | 56. 1                                  | 277                                 | 15. 51                                |                                   |                           |                  | 36                                | 14                        |               |
| 23<br>24       | 69 establishments   | 1914<br>1916         | 1,667<br>1,790            | 54. 1<br>54. 1                         | .366<br>.379                        | 19. 70<br>20. 42                      | 271<br>255                        | 318<br>335                | 393<br>481       | 435<br>468                        | 195<br>193                | 55<br>58      |
|                | CUTTERS, VAMP AND WHOLE SHOE, MA-CHINE, MALE.                 |                      |                           |  |                                     |                                       |                                   |                           |                  |                                   |                           |               |
| 25<br>26       | Massachusetts:<br>13 establishments                           | 1914<br>1916         | 231<br>239                | 54. 2<br>54. 1                         | . 359<br>. 381                      | 19.46<br>20.59                        | 21<br>22                          |                           | 128<br>140       | 82<br>77                          |                           |               |
| 27<br>28       | Missouri: 4 establishments                                    | 1914<br>1916         | 84<br>142                 | 59. 0<br>57. 9                         | . 238<br>. 248                      | 14.04<br>14.31                        | . <b></b>                         |                           | 30               |                                   | 84<br>112                 |               |
| 29<br>30       | New Hampshire:<br>2 establishments<br>New York:               | 1914<br>1916         | 98<br>140                 | 55. 0<br>55. 0                         | . 338<br>. 310                      | 18.60<br>17.04                        |                                   |                           |                  | 98<br>140                         |                           |               |
| 31<br>32       | 4 establishments  | 1914<br>1916         | 68<br>96                  | 53. 2<br>53. 8                         | . 356<br>. 359                      | 18. 89<br>19. 19                      | 16<br>15                          | 20<br>21                  |                  | 32<br>60                          |                           | · · · · · · · |
| 33<br>34       | 2 establishments Pennsylvania:                                | 1914<br>1916         | 19<br>23                  | 56. 5<br>55. 9                         | . 292<br>. 262                      | 16.33<br>14.61                        | ••••                              |                           |                  | 12<br>18                          | 7<br>5                    |               |
| 35<br>36       | 3 establishments<br>Virginia:                                 | 1914<br>1916         | 23<br>23                  | 54. 9<br>54. 9                         | . 238<br>. 239                      |                                       | ••••                              |                           | 3<br>2           | 20<br>21                          |                           |               |
| 37<br>38       | 2 establishments  | 1914<br>1916         | 28<br>17                  | 59. 0<br>59. 0                         | . 265<br>. 345                      | 15. 61<br>20. 34                      | •••••                             |                           |                  |                                   | $\frac{28}{17}$           |               |

[The figures for both years are for identical establishments.

|                      |                                  |                                   | Em                           | ployees                            | whose i                      | ates of                            | wages p                            | er hour                            | were-                              |                                    |                                    |                             |             |
|----------------------|----------------------------------|-----------------------------------|------------------------------|------------------------------------|------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|-----------------------------|-------------|
| Under<br>6<br>cents. | 6<br>and<br>under<br>8<br>cents. | 8<br>and<br>under<br>10<br>cents. | and<br>under<br>12<br>cents. | 12<br>and<br>under<br>14<br>cents. | and<br>under<br>16<br>cents. | 16<br>and<br>under<br>18<br>cents. | 18<br>and<br>under<br>20<br>cents. | 20<br>and<br>under<br>25<br>cents. | 25<br>and<br>under<br>30<br>cents. | 30<br>and<br>under<br>40<br>cents. | 40<br>and<br>under<br>50<br>cents. | 50<br>cents<br>and<br>over. | Line<br>No. |
|                      |                                  |                                   |                              | •                                  | CUTTI                        | NG DI                              | EPART                              | MENT                               | Γ.                                 |                                    |                                    |                             |             |
|                      |                                  |                                   |                              |                                    |                              |                                    |                                    |                                    |                                    |                                    |                                    |                             |             |
|                      |                                  | :                                 |                              |                                    |                              |                                    | _                                  |                                    |                                    |                                    |                                    |                             |             |
|                      |                                  |                                   |                              |                                    |                              | 1                                  | 1<br>2                             | ļ                                  |                                    | 64<br>56                           | 34<br>51                           | 13<br>11                    | 1           |
|                      |                                  |                                   | ••••••                       |                                    |                              | ·····i                             | $\frac{1}{2}$                      | . 1                                | 2<br>13                            | 55<br>43                           | 11                                 |                             | 3           |
|                      |                                  |                                   | <br>                         |                                    |                              | i                                  |                                    | 8                                  | 62<br>14                           | 390<br>358                         | 50<br>96                           | 69<br>60                    |             |
|                      |                                  |                                   |                              |                                    |                              |                                    |                                    |                                    | 4                                  | 28<br>39                           |                                    |                             | 7 8         |
|                      |                                  |                                   | (<br>                        |                                    | 2                            | 1                                  | i                                  | 7<br>19                            | 10<br>32                           | 54<br>96                           | 46<br>92                           | 7<br>18                     | 9<br>10     |
|                      |                                  |                                   |                              |                                    | 1                            |                                    | 1 3                                | 5                                  | 11                                 | 32<br>23                           | 9                                  | 7                           | 1           |
|                      |                                  |                                   | ļ                            |                                    |                              |                                    | 2                                  | 17                                 | 26                                 | 133                                | 84                                 | 10                          | 13          |
|                      |                                  |                                   |                              |                                    | 1                            |                                    |                                    | 9                                  | 14                                 | 82<br>62                           | 136<br>85                          | 34                          | 15          |
|                      |                                  | !<br>!                            |                              | 2                                  | 12                           |                                    | 10                                 | 15<br>24                           | 26                                 | 88                                 | 35                                 | 24<br>14                    | 16          |
|                      |                                  |                                   |                              |                                    | 1                            | 4                                  | 3                                  | 29                                 | 30                                 | 36<br>19                           | 18<br>33<br>1                      | 15                          | 18          |
|                      |                                  |                                   |                              |                                    |                              | 1                                  | 1                                  | 1                                  | 5                                  | 8                                  | 1                                  |                             | 19<br>20    |
|                      |                                  |                                   |                              |                                    |                              | 1                                  |                                    | 19                                 | 17                                 | 11                                 | 1                                  | 1                           | 21<br>22    |
|                      |                                  |                                   |                              | 2                                  | 14<br>3                      | 13<br>10                           | 17<br>12                           | 98<br>105                          | 168<br>176                         | 872<br>840                         | 328<br>469                         | 155<br>175                  | 23<br>24    |
|                      |                                  |                                   |                              |                                    |                              |                                    |                                    | <del></del>                        |                                    |                                    |                                    |                             |             |
|                      |                                  |                                   |                              |                                    |                              |                                    |                                    |                                    |                                    |                                    |                                    |                             |             |
|                      |                                  |                                   |                              |                                    |                              | 3                                  | 3                                  | 6<br>9                             | 24<br>18                           | 19 <b>4</b><br>61                  | 143                                | 1 2                         | 1           |
|                      |                                  | i                                 |                              | 1 5                                | 2                            | 3<br>19                            | 10<br>11                           | 39<br>39                           | 18<br>32                           | 13<br>28                           | 5                                  |                             | 27<br>28    |
|                      |                                  |                                   |                              |                                    |                              | 3                                  | 4                                  |                                    | 21<br>47                           | 27<br>60                           | 16<br>9                            |                             | 29<br>30    |
|                      |                                  |                                   |                              | 1                                  | 1                            |                                    |                                    | 5<br>19                            | 6<br>16                            | 29<br>35                           | 23<br>9                            | 3<br>17                     | 31<br>32    |
|                      |                                  |                                   |                              | 1                                  | 1                            | 3 2                                |                                    | 1 7                                | .2                                 |                                    | 3                                  | 1                           | 33<br>34    |
|                      |                                  |                                   |                              |                                    | ii                           | 2                                  | l                                  | ļ                                  |                                    | i                                  |                                    |                             | 35          |
|                      |                                  |                                   |                              |                                    |                              | 1                                  | 1                                  | ì                                  | 1                                  | ì                                  |                                    |                             | 37<br>38    |
| 1                    | 1                                |                                   | 1                            | ! <b>-</b>                         | ·····                        | ł                                  | ·                                  | l                                  | 1 4                                | 11                                 | 2                                  | 1                           | .  38       |

Table **B.**—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK WEEKLY EARNINGS, IN EACH

|                 | _   |              | Num-       | Aver-                                  | age                                 | Aver-<br>age<br>full- | Empl                              | oyees                     | whose<br>week | full-tin<br>were—                 | ne hou                    | rs per      |
|-----------------|---|--------------|------------|--|-------------------------------------|-----------------------|-----------------------------------|---------------------------|---------------|-----------------------------------|---------------------------|-------------|
| Line<br>No.     | Occupation, sex, State,<br>and number of estab-<br>lishments. | Year.        | horof      | full-<br>time<br>hours<br>per<br>week. | rate<br>of<br>wages<br>per<br>hour. | time                  | Over<br>48<br>and<br>under<br>51. | 51<br>and<br>under<br>54. | 54.           | Over<br>54<br>and<br>under<br>57. | 57<br>and<br>under<br>60. | 60.         |
|                 | (   | CUTT         | ING D      | EPAR                                   | TME                                 | NT-C                  | onclud                            | ed.                       |               |                                   |                           |             |
|                 | CUTTERS, VAMP AND WHOLE SHOE, MA-CHINE, MALE—concld           |              |            |  |                                     |                       |                                   |                           |               |                                   |                           |             |
| 1<br>2          | Other States:<br>6 establishments                             | 1914<br>1916 | 49<br>48   | 58. 0<br>56. 7                         | \$0.308<br>.310                     |                       |                                   | 3                         |               | 9<br>20                           | 35<br>18                  |             |
| 3<br>4          | Total:<br>36 establishments                                   | 1914<br>1916 | 600<br>728 | 55. 5<br>55. 4                         |                                     |                       | 37<br>37                          | 20<br>24                  | 131<br>172    | 253<br>336                        | 154<br>152                |             |
|                 | SKIVERS, UPPER, MA-<br>CHINE, MALE.                           |              |            |  |                                     |                       |                                   |                           |               |                                   |                           |             |
| 5<br>6          | Massachusetts:<br>12 establishments                           | 1914<br>1916 | 72<br>71   | 54.0<br>54.0                           |                                     | 17. 28<br>17. 73      |                                   |                           | 71<br>70      | 1                                 |                           |             |
| 7 8             | New York:<br>2 establishments                                 | 1914<br>1916 | 12<br>13   | 53. 3<br>53. 2                         | . 365                               | 19.41<br>21.16        |                                   | 10<br>11                  |               | 2<br>2                            |                           |             |
| 9<br>10         | Other States:<br>5 establishments                             | 1914<br>1916 | 9<br>8     | 56. 1<br>56. 3                         | . 244<br>. 245                      |                       |                                   |                           |               | 6<br>5                            |                           |             |
| 11<br>12        | Total:<br>19 establishments                                   | 1914<br>1916 | 93<br>92   | 54. 1<br>54. 1                         | . 318                               | 17. 21<br>17. 87      |                                   | 10<br>11                  | 71<br>70      | 9                                 | 3                         |             |
| 13<br>14        | Illinois:<br>3 establishments                                 | 1914<br>1916 | 33<br>33   | 55. 0<br>55. 0                         |                                     | 10. 25<br>10. 85      |                                   |                           |               | 33                                |                           |             |
| 15<br>16        | Maine:<br>4 establishments                                    | 1914<br>1916 | 17<br>9    | 58. 0<br>58. 0                         |                                     | 11.09<br>13.20        |                                   |                           |               |                                   | 17<br>9                   |             |
| 17<br>18        | Massachusetts:<br>15 establishments                           | 1914<br>1916 | 98<br>104  | 53. 8<br>53. 8                         |                                     | 11. 79<br>12. 71      |                                   | 26<br>27                  | 72<br>77      |                                   |                           |             |
| 19<br>20        | Minnesota:<br>3 establishments                                | 1914<br>1916 | 9<br>20    | 54.3<br>54.0                           | . 223                               | 12.08<br>10.74        |                                   |                           | 6<br>20       | 3                                 | <br>                      |             |
| $\frac{21}{22}$ | Missouri:<br>8 establishments                                 | 1914<br>1916 | 56<br>65   | 53. 5<br>54. 0                         | . 201                               | 10.72<br>9.60         | 7                                 |                           | 49<br>65      |                                   |                           |             |
| 23<br>24        | New Hampshire:<br>7 establishments                            | 1914<br>1916 | 41<br>59   | 55. 0<br>55. 0                         |                                     | 10. 22<br>10. 93      |                                   |                           |               | 41<br>59                          |                           |             |
| 25<br>26        | New Jersey:<br>4 establishments                               | 1914<br>1916 | 12<br>13   | 55. 0<br>55. 0                         |                                     | 13.90<br>9.92         |                                   |                           |               | 12<br>13                          |                           |             |
| 27<br>28        | New York:<br>9 establishments                                 | 1914<br>1916 | 53<br>62   | 51.8<br>52.1                           | . 236<br>. 253                      | 12. 19<br>13. 12      |                                   | 18<br>24                  | 9<br>22       | 7                                 |                           |             |
| 29<br>30        | Ohio: 6 establishments  | 1914<br>1916 | 41<br>38   | 53. 8<br>53. 8                         | . 195<br>. 173                      | 10. 46<br>9. 30       | · · · · · · · · ·                 | 20<br>16                  | 21<br>22      |                                   |                           | · · · · · · |
| 31<br>32        | Pennsylvania:<br>7 establishments                             | 1914<br>1916 | 26<br>34   | 54. 0<br>54. 1                         | . 209<br>. 171                      | 11.30<br>9.26         |                                   |                           | 26<br>32      | <u>2</u>                          |                           |             |
| 33<br>34        | Virginia:<br>3 establishments                                 | 1914<br>1916 | 10<br>12   | 59. 0<br>59. 0                         |                                     | 9. 45<br>9. 97        |                                   |                           |               |                                   | 10<br>12                  |             |
| 35<br>36        | Wisconsin:<br>2 establishments                                | 1914<br>1916 | 15<br>11   | 55. 0<br>55. 0                         |                                     | 10. 35<br>9. 23       |                                   |                           |               |                                   |                           |             |
| 37<br>38        | Other States:<br>1 establishment                              | 1914<br>1916 | 7<br>6     | 54. 0<br>54. 0                         | . 188                               | 10. 15                | . <b></b>                         |                           | 7<br>6        |                                   |                           |             |
| 39<br>40        | Total:<br>72 establishments                                   | 1914<br>1916 | 418<br>466 | 54. 1<br>54. 2                         |                                     | 11. 16<br>11. 09      | 26<br>16                          | 64<br>67                  | 190<br>244    | 111<br>118                        | 27<br>21                  |             |

AND RATES OF WAGES PER HOUR, AND AVERAGE FULL-TIME STATE, BY YEARS, 1914 AND 1916—Continued.

|                      |                                       |                                   | EIII                         | proyees                      | WHOSE                               | ates of                      | wages p                            | ei noui                            | were—                              |                                    |                                    |                             |            |
|----------------------|---------------------------------------|-----------------------------------|------------------------------|------------------------------|-------------------------------------|------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|-----------------------------|------------|
| Jnder<br>6<br>cents. | 6<br>and<br>under<br>8<br>cents.      | 8<br>and<br>under<br>10<br>cents. | and<br>under<br>12<br>cents. | and<br>under<br>14<br>cents. | and<br>and<br>under<br>16<br>cents. | and<br>under<br>18<br>cents. | 18<br>and<br>under<br>20<br>cents. | 20<br>and<br>under<br>25<br>cents. | 25<br>and<br>under<br>30<br>cents. | 30<br>and<br>under<br>40<br>cents. | 40<br>and<br>under<br>50<br>cents. | 50<br>cents<br>and<br>over. | Lin<br>No. |
|                      |                                       |                                   |                              | CUTT                         | ING D                               | EPAR                         | TMEN                               | TCo1                               | ncluded.                           |                                    |                                    |                             | 1          |
|                      |                                       |                                   |                              |                              |                                     |                              |                                    | 8                                  | 15                                 | 24                                 | 1                                  | 1                           |            |
|                      |                                       |                                   | <u>-</u>                     |                              |                                     | 3                            | 1                                  | 5                                  | 10                                 | . 25                               | 3                                  | 1                           |            |
|                      |                                       | 1<br>——                           |                              | 3<br>5                       | 3                                   | 12<br>27                     | 17<br>26                           | 95<br>106                          | 105<br>139                         | 301<br>227                         | 49<br>172                          | 16<br>22                    |            |
|                      | · · · · · · · · · · · · · · · · · · · |                                   |                              | •••••                        |                                     |                              | 1                                  | 2<br>2                             | 6<br>9                             | 55<br>52                           | 8                                  | 5                           |            |
|                      |                                       |                                   |                              |                              |                                     |                              | <br>                               | <b>.</b>                           | 1                                  | 8<br>8                             | -<br>2<br>5                        | 1                           |            |
|                      |                                       |                                   |                              |                              | 1                                   |                              | $\frac{1}{2}$                      | 3                                  |                                    | 1<br>1                             |                                    |                             | 1          |
|                      |                                       |                                   |                              |                              | 1                                   |                              | 2 2                                | 5<br>5                             | 10<br>11                           | 64<br>61                           | 10<br>8                            | 1 5                         |            |
|                      |                                       |                                   | 2 2                          | 3 2                          | 3 2                                 | 3 4                          | 8 2                                | 10<br>20                           | 3                                  | 1                                  |                                    |                             |            |
| . <b>.</b>           |                                       |                                   |                              |                              | 2                                   | 5<br>1                       | 4 2                                | 6<br>2                             | 3                                  | ·····i                             |                                    |                             |            |
|                      |                                       | 2                                 | ·····i                       | 3                            | 9<br>5                              | 26<br>27                     | 7<br>5                             | 17<br>20                           | 23<br>24                           | 10<br>18                           | 1 2                                | i                           |            |
| <br>- <b></b> .      |                                       |                                   |                              |                              | 1 3                                 | 2 3                          | 3                                  | 9                                  | 3<br>1                             | 1<br>1                             |                                    |                             |            |
|                      |                                       | 1<br>4                            |                              | 5<br>11                      | 4<br>12                             | 7<br>8                       | 5 2                                | 18<br>13                           |                                    | 3                                  |                                    |                             |            |
| - <b>-</b>           |                                       |                                   | 3                            | 4                            | 5<br>3                              | 9<br>12                      | 6<br>6                             |                                    | 2<br>4                             | 2                                  |                                    |                             |            |
|                      |                                       |                                   |                              | 3                            | 3                                   | 2                            | , 2<br>1                           | 6                                  | 2 3                                | 1                                  | 1                                  |                             |            |
|                      |                                       |                                   |                              | i                            | 2 2                                 | 3 5                          | 8                                  |                                    | 13<br>15                           | 7<br>14                            |                                    | <br>                        |            |
|                      |                                       | 1                                 | 9                            | 3<br>4                       | 9 5                                 | 67                           | 5                                  |                                    | 3 3                                | 2 2                                |                                    |                             |            |
|                      |                                       | 5                                 | 26                           | 2                            |                                     | 2 3                          | 4 5                                | 8                                  |                                    | $\frac{2}{1}$                      | 2                                  |                             |            |
|                      | 1                                     |                                   | 1                            | 1                            | 2 6                                 | 3                            |                                    | 2 2                                |                                    |                                    |                                    |                             |            |
|                      |                                       |                                   | 1 2                          | 1                            | 1                                   | 4                            | 3                                  | i i                                | 2                                  |                                    |                                    |                             |            |
|                      |                                       |                                   |                              |                              | 3                                   | 4                            |                                    |                                    | 1                                  |                                    |                                    |                             |            |
|                      | 1                                     |                                   |                              | 1                            |                                     | i                            |                                    |                                    | -                                  |                                    | 4                                  |                             |            |

Table **B.**—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK WEEKLY EARNINGS, IN EACH

|             |   |       | Num-   | Aver-   | Aver-                      | Aver-<br>age<br>full-                 | Empl                              | oyees v                   | vhose<br>week v |                                   | ne hour                   | s per |
|-------------|---|-------|--------|---|----------------------------|---------------------------------------|-----------------------------------|---------------------------|-----------------|-----------------------------------|---------------------------|-------|
| Line<br>No. | Occupation, sex, State, and number of establishments. | Year. | hor of | age<br>full-<br>time<br>hours<br>per<br>week. | rate<br>of<br>wages<br>per | time<br>week-<br>ly<br>earn-<br>ings. | Over<br>48<br>and<br>under<br>51. | 51<br>and<br>under<br>54. | 54.             | Over<br>54<br>and<br>under<br>57. | 57<br>and<br>under<br>60. | 60.   |

#### SOLE-LEATHER DEPARTMENT.

|                |   | 501                  | E-LEA           |                         |                | ******           |        |          |          |               |          |          |
|----------------|---|----------------------|-----------------|-------------------------|----------------|------------------|--------|----------|----------|---------------|----------|----------|
|                | CUTTERS, OUTSOLE,<br>MALE.                    |                      |                 |                         |                |                  |        |          |          |               |          |          |
| 1<br>2         | Massachusetts:<br>9 establishments            | 1914<br>1916         | 59<br>60        | 54. 5<br>54. 6          |                |                  |        |          | 41<br>41 | 18<br>19      |          |          |
| 3<br>4         | Missouri:<br>2 establishments<br>New York:    | 1914<br>1916         | <b>44</b><br>51 | 54. 0<br>54. 0          |                |                  |        |          | 44<br>51 |               |          |          |
| 5<br>6         | 7 establishments                              | 1914<br>1916         | 44<br>50        | 54. 5<br>54. 6          | . 270<br>. 265 |                  |        | 3<br>3   | 1<br>2   | 38<br>43      |          |          |
| 7<br>8         | 6 establishments Pennsylvania:                | 1914<br>1916         | 19<br>22        | 55. 6<br>55. 5          | . 273<br>. 272 |                  |        |          |          | 16<br>19      | 3<br>3   |          |
| 9<br>10        | 4 establishments Other States:                | 1914<br>1916         | 11<br>12        | 55.7<br>57.4            | 1              | 15.75            |        |          | 1<br>1   | 7<br>1        | 3<br>10  |          |
| 11<br>12       | 10 establishments                             | 1914<br>1916         | 28<br>24        | 57. 9<br>57. 8          | . 291          | 16. 84<br>16. 37 |        | ·····i   |          | 10<br>7       | 5        | 11<br>11 |
| 13<br>14       | Total:<br>38 establishments                   | 1914<br>1916         | 205<br>219      | 55. 0<br>55. 0          |                | 16.71<br>17.02   |        | 3        |          | 89<br>89      | 13<br>18 | 11<br>11 |
| ĺ              | CHANNELERS, INSOLE AND OUTSOLE, MALE.         |                      | ,               |                         |                |                  |        |          |          |               |          |          |
| 15<br>16       | Illinois: 4 establishments  Maine:            | 1914<br>1916         | 10<br>10        | 55. 0<br>54. 1          |                | 18. 01<br>18. 02 |        | <u>.</u> |          | 10<br>7       |          |          |
| 17<br>18       | 4 cstablishments Massachusetts:               | 1914<br>1916         | 12<br>10        | 58. 1<br>58. 2          |                | 18. 00<br>18. 37 |        |          |          |               | 12<br>10 | <br>     |
| 19<br>20       | 17 establishments Missouri:                   | 1914<br>1916         | 70<br>71        | 54. 3<br>54. 4          | ļ              | 20.09            |        | 11<br>8  | 41       | 18<br>22      |          |          |
| 21<br>22       | 5 establishments New Hampshire:               | 1914<br>1916         | 9<br>12         | 56. 6<br>58. 2          | . 296          |                  |        |          | 2 2      |               | 10       |          |
| 23<br>24<br>25 | 4 establishments  New York: 10 establishments | 1914<br>1916<br>1914 | 11<br>12<br>31  | 55. 0<br>55. 0<br>52. 5 |                | 21.69            |        | 15       | 3        | 11<br>12<br>7 |          | •••••    |
| 26<br>27       | Ohio: 6 establishments                        | 1916<br>1914         | 29<br>18        | 52. 8<br>55. 9          |                | 17.98            | 6      | 12       | 2        |               | 4        |          |
| 28<br>29       | Pennsylvania:<br>7 establishments             | 1916<br>1914         | 14<br>15        | 55.9<br>55.7            | . 301          | 16. 76<br>15. 18 |        |          | 3        | 11<br>8       | 3        |          |
| 30             | Other States:                                 | 1916                 | 19              | 56.3                    |                |                  |        |          | 3        | 7             | 9        |          |
| 31<br>32       | 13 establishments  Total:                     | 1914<br>1916         | 26<br>20        | 58. 1<br>57. 9          | . 313          | 18.10            |        |          |          | <br>8         | 10<br>3  | 8<br>9   |
| 33<br>34       | 70 establishments                             | 1914<br>1916         | 202<br>197      | 55. 1<br>55. 2          | .328<br>.336   | 18.02<br>18.51   | 6<br>6 | 26<br>23 | 49<br>48 | 79<br>76      | 34<br>35 | 8<br>9   |

### AND RATES OF WAGES PER HOUR, AND AVERAGE FULL-TIME STATE, BY YEARS, 1914 AND 1916—Continued.

| Under and and and and and and and and and and  |                      |                   |                    | Emp                | oloyees            | whose r             | ates of            | wages pe           | er hour            | were               |                    |                    |              |           |
|--|----------------------|-------------------|--------------------|--------------------|--------------------|---------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------|-----------|
| 16 43 1 2 58 1 1 1 9 20 14 1 1 1 5 5 1 39 13 4 1 1 1 5 5 1 39 13 4 1 1 1 5 5 1 3 5 1 3 5 1 3 5 1 1 1 1 5 5 1 1 5 3 1 1 1 1   | Under<br>6<br>cents. | and<br>under<br>8 | and<br>under<br>10 | and<br>under<br>12 | and<br>under<br>14 | and<br>under<br>16- | and<br>under<br>18 | and<br>under<br>20 | and<br>under<br>25 | and<br>under<br>30 | and<br>under<br>40 | and<br>under<br>50 | cents<br>and | Lin<br>No |
|  |                      |                   |                    | <u>'</u>           | SOL                | E-LEA               | THER               | DEP                | ARTM               | ENT.               |                    |                    |              |           |
|  |                      |                   |                    |                    |                    |                     |                    |                    |                    |                    |                    |                    |              |           |
| 1       9       20       14 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>16<br/>2</td> <td></td> <td></td> <td></td> <td></td>  |                      |                   |                    |                    |                    |                     |                    |                    |                    | 16<br>2            |                    |                    |              |           |
| 1  |                      |                   |                    |                    |                    |                     |                    |                    |                    | 5<br>2             |                    |                    | i            |           |
| 1 2 6 10 6 1 1 1 1 1 1 6 6 1 1 1 1 1 1 1 6 6 6 1   |                      |                   |                    |                    |                    |                     |                    | _                  |                    |                    |                    |                    |              |           |
|  |                      |                   |                    |                    |                    |                     | 1                  |                    |                    |                    |                    |                    |              |           |
| 1 3 1 28 64 117 1 26 52 140 1 3 1 18 64 117 1 1 6 2 1 1 3 5 4 1 3 8 39 16 4 1 3 8 39 16 4 1 3 15 39 13 4 1 1 2 5 5 1 1 5 5 1 1 5 5 1 1 5 5 1 1 5 5 1 1 5 5 1 1 5 5 1 1 5 5 1 1 5 6 6 1 1 5 6 6 |                      |                   |                    |                    |                    | 1                   | 2                  |                    | 5                  |                    | <u>6</u>           |                    |              |           |
|  |                      |                   |                    |                    |                    |                     |                    |                    |                    |                    |                    |                    |              |           |
| 1 1 5 7 4 1  |                      |                   | •                  |                    |                    | 1                   | 3                  | 1                  |                    |                    | 117<br>140         | 1                  | i i          |           |
| 1 1 5 7 4 1  |                      |                   |                    |                    |                    |                     |                    |                    |                    |                    |                    |                    |              |           |
| 3 8 39 16 4<br>1 1 2 6   |                      |                   |                    |                    |                    |                     | i                  |                    |                    | 3                  | 6                  | 1 2                |              |           |
| 1 1 1 1 1 6 6 6 1 39 13 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1  |                      |                   |                    |                    |                    |                     |                    | 1                  |                    | 5                  | 4 7                | 1                  | 1            |           |
| 1 1 5 1 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5  |                      |                   |                    |                    |                    |                     |                    |                    | 3                  | 8<br>15            |                    |                    |              |           |
| 1  |                      |                   |                    |                    |                    | ·····i              |                    |                    | 1                  |                    | l                  |                    |              |           |
| 1 5 20 3<br>1 2 4 10 1<br>3 3 6 2<br>1 1 1 6 6 6   |                      |                   |                    |                    |                    |                     |                    | 1                  | . 1                |                    | 5                  | 5                  |              | -         |
| 1 1 1 6 6  | <b>-</b>             |                   |                    |                    |                    |                     |                    |                    | i                  | . 5                | 20                 | 3                  |              |           |
|  |                      |                   |                    |                    |                    | 1                   | .                  |                    |                    | ,                  | 6                  | 2                  |              |           |
|  |                      |                   |                    | 2                  | 2                  |                     | 2                  |                    |                    |                    |                    |                    |              |           |

|  |       | Num-  | Aver-         | Aver-                               | age  | Emple                              |                           |     | all-tim                           | e hour                    | s per |
|--|-------|-------|---------------|-------------------------------------|--|------------------------------------|---------------------------|-----|-----------------------------------|---------------------------|-------|
| Line No. Occupation, sex, State, and number of establishments. | Year. | honos | full-<br>time | rate<br>of<br>wages<br>per<br>hour. | full-<br>time<br>week-<br>ly<br>earn-<br>ings. | Over<br>48'<br>and<br>under<br>51. | 51<br>and<br>under<br>54. | 54. | Over<br>54<br>and<br>under<br>57. | 57<br>and<br>under<br>60. | 60.   |

#### FITTING OR STITCHING DEPARTMENT.

|  | FIT                                 | TING         | OR ST      | TITCI          | HING                           | DEP              | ARTM     | ENT.     |            |          |          |          |
|--|-------------------------------------|--------------|------------|----------------|--------------------------------|------------------|----------|----------|------------|----------|----------|----------|
|  | TIP STITCHERS, FEMALE.              |              |            |                |                                |                  |          |          |            |          |          |          |
| 1<br>2                                   | Illinois:<br>4 establishments       | 1914<br>1916 | 24<br>19   | 55.0<br>54.1   | \$0.263<br>.252                | \$14.48<br>13.59 |          | 6        |            | 24<br>13 | ••••     |          |
| 3  | Maine:<br>4 establishments          | 1914<br>1916 | 14<br>14   | 58.0<br>58.0   | . 213<br>. 236                 | 12.35<br>13.66   |          |          |            |          | 14<br>14 |          |
| 5<br>6                                   | Massachusetts:<br>18 establishments | 1914<br>1916 | 106<br>103 | 53.9<br>53.9   | . 240<br>. 250                 | 12. 93<br>13. 49 |          | 19<br>22 | 87<br>81   |          |          |          |
| 7<br>8                                   | Missouri:<br>8 establishments       | 1914<br>1916 | 36<br>42   | 53.6<br>54.0   | . 190<br>. 181                 | 10. 17<br>9. 76  | 4        |          | 32<br>42   |          |          |          |
| 9<br>10                                  | New Hampshire:<br>6 establishments  | 1914<br>1916 | 29<br>33   | 55. 0<br>55. 0 | . 216<br>. 228                 | 11.87<br>12.57   |          |          |            | 29<br>33 |          |          |
| 11<br>12                                 | New Jersey:<br>4 establishments     | 1914<br>1916 | 10<br>12   | 55. 0<br>55. 0 | . 244                          | 13.40<br>11.11   |          |          |            | 10<br>12 |          | <i>-</i> |
| 13<br>14                                 | New York:<br>10 establishments      | 1914<br>1916 | 29<br>32   | 52.4<br>51.8   | . 224                          | 11. 73<br>14. 12 | 6<br>11  | 15<br>12 | 3 9        | 5        |          |          |
| 15<br>16                                 | Ohio:<br>6 establishments           | 1914<br>1916 | 29<br>19   | 53.7<br>53.9   | . 192<br>. 197                 | 10.32<br>10.61   |          | 13<br>7  | 16<br>12   | •        |          |          |
| 17<br>18                                 | Pennsylvania:<br>7 establishments   | 1914<br>1916 | 24<br>24   | 54.0<br>54.0   | .177                           | 9.58<br>10.21    |          |          | 24<br>24   |          |          |          |
| 19<br>20                                 | Wisconsin:<br>2 establishments      | 1914<br>1916 | 12<br>13   | 55.0<br>55.0   | . 156<br>. 189                 | 8.58<br>10.38    |          |          |            | 12<br>13 |          |          |
| $\begin{bmatrix} 21 \\ 22 \end{bmatrix}$ | Other States:<br>6 establishments   | 1914<br>1916 | 13<br>15   | 55.3<br>55.0   | . 200                          | ·11.02<br>10.62  |          |          | 8<br>12    | 2        | 3<br>3   |          |
| 23<br>24                                 | Total:<br>75 establishments         | 1914<br>1916 | 326<br>326 | 54.2<br>54.2   | .218<br>.226                   | 11.81<br>12.24   | 10<br>11 | 47<br>47 | 170<br>180 | 82<br>71 | 17<br>17 |          |
|  | BACKSTAY STITCHERS,<br>FEMALE.      |              |            |                |                                |                  |          |          |            |          | i        |          |
| 25<br>26                                 | Illinois:<br>4 establishments       | 1914<br>1916 | 29<br>18   | 55. 0<br>54. 0 | . 221<br>. 260                 |                  |          | 6        |            | 29<br>12 |          |          |
| 27<br>28                                 | Maine:<br>4 establishments          | 1914<br>1916 | 11<br>15   | 58.0<br>58.0   | .178<br>.177                   |                  |          |          |            |          | 11<br>15 |          |
| 29<br>30                                 | Massachusetts:<br>19 establishments | 1914<br>1916 | 114<br>112 | 53.9<br>53.9   | . 228<br>. 234                 | 12.29<br>12.64   |          | 13<br>14 | 101<br>98  |          |          |          |
| 31<br>32                                 | Minnesota:<br>3 establishments      | 1914<br>1916 | 10<br>9    | 54.2<br>54.0   | . <b>2</b> 33<br>. <b>2</b> 52 | 12.65<br>13.63   |          |          | 8<br>9     | 2        |          |          |
| 33<br>34                                 | Missouri:<br>7 establishments       | 1914<br>1916 | 46<br>57   | 53.5<br>54.0   | . 162<br>. 168                 | 8.62<br>9.06     | 6        |          | 40<br>57   | -<br>    |          |          |
| 35<br>36                                 | New Hampshire:<br>6 establishments  | 1914<br>1916 | 54<br>60   | 55.0<br>55.0   |                                | 9.17<br>10.84    | <br>     |          |            | 54<br>60 |          |          |
| 37<br>38                                 | New York:<br>8 establishments       | 1914<br>1916 | 38<br>35   | 52. 9<br>52. 0 |                                | 11.74<br>13.07   | 7<br>11  | 11<br>10 |            | 13       |          |          |
| 39<br>40                                 | Ohio:<br>6 establishments           | 1914<br>1916 | 32<br>34   | 53.8<br>53.9   | .171                           | 9.20<br>9.56     |          | 15<br>13 |            | <br>     |          |          |
| 41<br>42                                 | Pennsylvania:<br>6 establishments   | 1914<br>1916 | 16<br>35   | 54.0           | .173                           |                  |          |          | 16<br>35   |          |          |          |

|                      |                                  |                                   | Em                           | ployees                      | whose                        | rates of                           | wages p                            | er hour                            | were-                              |                                    |                                    |                             |             |
|----------------------|----------------------------------|-----------------------------------|------------------------------|------------------------------|------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|-----------------------------|-------------|
| Under<br>6<br>cents. | 6<br>and<br>under<br>8<br>cents. | 8<br>and<br>under<br>10<br>cents. | and<br>under<br>12<br>cents. | and<br>under<br>14<br>cents, | and<br>under<br>16<br>cents. | 16<br>and<br>under<br>18<br>cents. | 18<br>and<br>under<br>20<br>cents. | 20<br>and<br>under<br>25<br>cents. | 25<br>and<br>under<br>30<br>cents. | 30<br>and<br>under<br>40<br>cents. | 40<br>and<br>under<br>50<br>cents. | 50<br>cents<br>and<br>over. | Line<br>No. |

### FITTING OR STITCHING DEPARTMENT.

|                                       |          | , | F1.        | TING          | or s          | TITCI      | IING     | DEPAI    | CT IVI EI     | NT.           |  | <del>,</del> | ,        |
|---------------------------------------|----------|---|------------|---------------|---------------|------------|----------|----------|---------------|---------------|--|--------------|----------|
|                                       |          |   |            |               | •             | j          |          |          |               |               |  |              |          |
|                                       |          |   |            | ·····i        | 1 2           | 1          | 2        | 12<br>3  | 4<br>7        | 5<br>4        |  | 1            | 1<br>2   |
|                                       |          |   |            | 1             | 1<br>1        | $_{2}^{1}$ |          | 8<br>4   | 2<br>7        | 1             |  |              | 3<br>4   |
| · · · · · · · · · · · · · · · · · · · |          |   | 3          | 8             | 4<br>2        | 13<br>8    | 10<br>12 | 20<br>36 | 23<br>16      | 23<br>26      | 2  |              | <b>5</b> |
|                                       |          | 3 | 3          | 1 5           | 4 3           | 6<br>12    | 4 5      | 9<br>10  | 4<br>3        | 2             |  |              | <b>7</b> |
|                                       |          |   |            | 1 3           | 2<br>1        | 5<br>1     | 3 3      | 11<br>14 | 5<br>7        | 2 4           |  |              | 9<br>10  |
|                                       | <br>     |   |            | <del>-</del>  | $\frac{1}{2}$ | 3          | i        | 5        | 3<br>1        | 1             |  |              | 11<br>12 |
|                                       |          |   |            | 2             | $\frac{2}{2}$ | 5<br>2     | 3        |          | 6<br>12       | 3 5           |  |              | 13<br>14 |
|                                       |          | ] | 1          | 2 2           | 3             | 4 4        | 6        |          | 4<br>1        | 1             |  |              | 15<br>16 |
|                                       |          |   | 3 2        | 3             | 2             | . 2        | 6 2      |          | 1<br>1        | ii            |  |              | 17<br>18 |
|                                       |          | 4 | 1          | l .           | 3             | 2          | 3        | 3        | i             |               |  |              | 17<br>20 |
|                                       |          | i |            | $\frac{2}{1}$ |               | 3          | 2 2      |          | 3<br>1        | $\frac{1}{2}$ |  |              | 21<br>22 |
|                                       |          | 8 |            |               | 22            | -37<br>38  | 37       | 93       | 55<br>57      | 39            | 5  | 1            | 23       |
|                                       | <u> </u> |   | 5          | 14            | 22            | 38         | 33       | 102      | 57            | 43            |  |              | 24       |
|                                       |          |   |            |               |               |            |          |          | _             | _             |  |              |          |
|                                       |          |   |            |               | 2             | 3          | 8        | 8        | 7<br>8        | 1             |  |              | 25<br>26 |
|                                       |          |   | 2 1        |               | 3             | 1<br>4     | 1 3      | 1<br>5   | <br>          | 2             |  |              | 27<br>28 |
|                                       |          |   | 1 3        | 4             | 3<br>7        | 12<br>12   | 14<br>11 |          | 31<br>20      | 11<br>14      |  | <br>         | 29<br>30 |
|                                       |          |   |            |               |               | 1          | 3<br>1   | 2 3      | 4<br>1        | 3             | !<br>!                                     |              | 31<br>32 |
|                                       |          | i | 5 9<br>5 8 |               |               | 5<br>7     | 4<br>7   | 12<br>12 | $\frac{1}{2}$ | 2             | ·<br>· · · · · · · · · · · · · · · · · · · |              | 33<br>31 |
|                                       |          |   | 2 7<br>1 3 | 10<br>2       |               | 9<br>12    |          |          | 4<br>5        |               |  |              | 35<br>36 |
|                                       |          |   |            | 1             | 3             | 4<br>3     |          |          | 6<br>10       |               |  | <br>         | 37<br>38 |
|                                       |          |   | 1 1        | 7 3           |               | 4<br>5     | 5<br>11  | 6<br>5   | 1<br>1        | 1<br>1        | ļ  |              | 39<br>40 |
|                                       |          | J | 3          | 3 5           | 5<br>11       | 26         | 2        | 3        | 1<br>4        | i             |  | :<br>        | 41<br>42 |

TABLE B.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK WEEKLY EARNINGS, IN EACH

|             |   |       | 27                                | Aver-<br>age  | Aver-<br>age | Aver-<br>age<br>full- | Empl  | oyees w                   | those<br>week | full-tin<br>were—                 | ie hour                   | s pe |
|-------------|---|-------|-----------------------------------|---------------|--------------|-----------------------|-------|---------------------------|---------------|-----------------------------------|---------------------------|------|
| Line<br>No. | Occupation, sex, State, and number of establishments. | Year. | Num-<br>ber of<br>em-<br>ployees. | full-<br>time | rate<br>of   | time                  | ond.  | 51<br>and<br>under<br>54. | 54.           | Over<br>54<br>and<br>under<br>57. | 57<br>and<br>under<br>60. | 60.  |
|             | FITTING   | OR    | STITC                             | HING          | DEP          | ARTN                  | IENT- | -Conti                    | nued.         |                                   |                           |      |

|              | FITTING   | UL.          | 511101     | шч             | DEFA            | V LC T 141        | LENI-    | -Contin  | nuea.              |                  |          |   |
|--------------|---|--------------|------------|----------------|-----------------|-------------------|----------|----------|--------------------|------------------|----------|---|
|              | BACKSTAY STITCHERS,<br>FEMALE—concluded.          |              |            |                |                 |                   | •        |          |                    |                  |          |   |
| 1 2          | Wisconsin:<br>2 establishments                    | 1914<br>1916 | 12<br>12   | 55. 0<br>55. 0 | \$0.168<br>.188 | \$9. 26<br>10. 35 |          |          |                    | 12<br>12         |          |   |
| 3<br>4       | Other States:<br>7 establishments                 | 1914<br>1916 | 19<br>18   | 56. 8<br>56. 7 | . 186<br>. 198  | 10.53<br>11.20    |          |          | 1<br>1             | 9                | 9<br>8   |   |
| 5<br>6       | Total:<br>72 establishments                       | 1914<br>1916 | 381<br>405 | 54.3<br>54.2   | . 198<br>. 207  | 10. 72<br>11. 23  | 13<br>11 | 39<br>43 | 190<br>235         | 119<br>93        |          |   |
|              | LINING MAKERS, FEMALE.                            |              |            |                |                 |                   |          |          |                    |                  |          |   |
| 7<br>8       | Illinois: 4 establishments Maine:                 | 1914<br>1916 | 66<br>45   | 55. 0<br>53. 9 | . 197<br>. 247  | 10.82<br>13.31    |          | 17       |                    | 66<br><b>2</b> 8 |          |   |
| 9<br>10      | 4 establishments                                  | 1914<br>1916 | 30<br>40   | 58.0<br>58.0   | .187<br>.196    | 10.85<br>11.39    |          |          |                    |                  | 30<br>40 |   |
| 11<br>12     | Massachusetts:<br>19 establishments<br>Minnesota: | 1914<br>1916 | 232<br>208 | 53. 9<br>53. 9 | . 210<br>. 227  | 11.31 $12.23$     |          | 29<br>20 | <b>2</b> 03<br>188 |                  |          |   |
| 13<br>14     | 3 establishments                                  | 1914<br>1916 | 10<br>19   | 54.3<br>54.0   |                 | 11.63<br>10.66    |          | <br>     | 7<br>19            | 3                |          |   |
| 15<br>16     | 6 establishments New Hampshire:                   | 1914<br>1916 | 57<br>66   | 53.0<br>54.0   | . 163<br>. 172  | 8.65<br>9.27      | 14       |          | 43<br>66           |                  |          |   |
| 17<br>18     | 6 establishments                                  | 1914<br>1916 | 76<br>98   | 55. 0<br>55. 0 |                 | 8.85<br>8.77      |          |          |                    | 76<br>98         |          |   |
| 19<br>20     | 4 establishments                                  | 1914<br>1916 | 19<br>24   | 55.0<br>55.0   |                 | 10.48<br>11.09    |          |          |                    | 19<br>24         |          |   |
| $^{21}_{22}$ | 11 establishments                                 | 1914<br>1916 | 117<br>121 | 52. 1<br>51. 8 | . 207<br>. 219  | 10.78<br>11.35    |          |          | 16<br><b>43</b>    | 17               | <br>     |   |
| 23<br>24     | Ohio:<br>6 establishments                         | 1914<br>1916 | 97<br>66   | 53. 7<br>53. 8 | . 170<br>. 176  | 9. 15<br>9. 49    |          | 59<br>33 |                    |                  |          | ; |
| 25<br>26     | Pennsylvania:<br>7 establishments                 | 1914<br>1916 | 56<br>56   | 54. 0<br>54. 0 | .173<br>.180    | 9.32<br>9.70      |          |          | 56<br>56           |                  |          |   |
| 27<br>28     | Virginia:<br>3 establishments                     | 1914<br>1916 | 17<br>17   | 59. 0<br>59. 0 | . 139<br>. 137  | 8. 20<br>8. 07    |          |          |                    |                  | 17<br>17 |   |
| 29<br>30     | Other States:<br>3 establishments                 | 1914<br>1916 | 19<br>9    | 54. 8<br>54. 6 | . 188<br>. 145  | 10.33<br>7.89     |          |          | 3<br>4             |                  |          | · |
| 31<br>32     | Total:<br>76 establishments                       | 1914<br>1916 | 796<br>769 | 54. 1<br>54. 1 | .190            | 10. 24<br>10. 78  |          |          | 366<br>409         |                  |          |   |
| ,            | CLOSERS-ON, FEMALE.                               |              |            |                |                 |                   |          |          |                    |                  | 1        |   |
| 33<br>34     | Illinois:<br>3 establishments                     | 1914<br>1916 | 14<br>11   | 55. 0<br>54. 2 | . 233<br>. 257  | 12. 81<br>13. 89  |          | 3        | ••••               |                  |          |   |
| 35<br>36     | Massachusetts: 12 establishments                  | 1914<br>1916 | 58<br>51   | 53. 9<br>54. 0 | . 213<br>. 213  | 11, 48<br>11, 49  |          | 11<br>5  |                    | !<br>            |          |   |
| 37<br>38     | Missouri:<br>8 establishments                     | 1914<br>1916 | 52<br>50   | 53. 3<br>54. 0 | . 170<br>. 175  | 9.05<br>9.44      | 9        |          | 43<br>50           | · · · · · · ·    |          |   |

|                      |                    |                                   | Em]                                | proyees                      | wnose r                            | ates or                            | wages p                            | er hour                            | were                               |                                    |                                    |                             |
|----------------------|--------------------|-----------------------------------|------------------------------------|------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|-----------------------------|
| Under<br>6<br>cents. | and under 8 cents. | 8<br>and<br>under<br>10<br>cents. | 10<br>and<br>under<br>12<br>cents. | and<br>under<br>14<br>cents. | 14<br>and<br>under<br>16<br>cents. | 16<br>and<br>under<br>18<br>cents. | 18<br>and<br>under<br>20<br>cents. | 20<br>and<br>under<br>25<br>cents. | 25<br>and<br>under<br>30<br>cents. | 30<br>and<br>under<br>40<br>cents. | 40<br>and<br>under<br>50<br>cents. | 50<br>cents<br>and<br>over. |

#### FITTING OR STITCHING DEPARTMENT—Continued

|                                       |          |          | I I I I I I | GOR          | STITC    | HING       | DEPA      | K I WIE    | NT-C       | ontinue  | a.<br>      | 1 1    |          |
|---------------------------------------|----------|----------|-------------|--------------|----------|------------|-----------|------------|------------|----------|-------------|--------|----------|
|                                       |          |          |             | · 4          | 3 2      | 1          | 1         | 2          | 1          | ;        |             |        | ]        |
|                                       |          |          | 2           |              | 4        | 3<br>4     | 2         | 4<br>2     | 2          | 1        |             |        |          |
|                                       |          |          | 2<br>2      | 2 2          | 1        | 2          | 2         | 4          | 5          |          |             |        | 4        |
|                                       | 2        | 11<br>7  | 21<br>22    | 37<br>21     | 42<br>40 | 46<br>55   | 51<br>50  | 93<br>118  | 58<br>56   | 22<br>31 | 3           |        | ŧ        |
|                                       |          |          | 6           | 4            | 3<br>2   | 11<br>2    | 10<br>5   | 23<br>16   | 6<br>14    | 3<br>5   |             | i      |          |
|                                       |          | 1        | 1           | 5<br>3       | 2<br>8   | 6          | 2<br>6    | 10<br>18   | 1          | 2 2      |             |        | 10       |
|                                       |          | 5<br>4   | 15<br>5     | 10<br>7      | 16<br>8  | 30<br>21   | 25<br>38  | 76<br>60   | 39<br>38   | 14<br>23 | 2           |        | 1:       |
|                                       |          |          |             | 3            | <b></b>  | 1<br>6     | 4<br>1    | 3<br>6     | 1<br>3     | 1        |             |        | 13<br>14 |
|                                       | 2        | 4<br>7   | 7<br>10     |              | 10<br>8  | 10<br>6    | 5<br>7    | 13<br>13   | 1<br>7     | 2        |             |        | 1.<br>19 |
|                                       | 3<br>2   | 5<br>9   | 9<br>13     | 11<br>14     | 11<br>13 | 12<br>17   | 10<br>11  | 10<br>12   | 4<br>7     |          |             |        | 17<br>18 |
|                                       |          |          | i           | 2<br>5       | 3        | 2<br>1     | 4<br>2    | 8<br>4     | 8          |          |             |        | 19<br>20 |
|                                       |          | 1<br>1   | 7<br>4      | 11<br>6      | 12<br>12 | 9<br>19    | 18<br>9   | 33<br>33   | 15<br>18   | 10<br>18 | 1           |        | 22       |
|                                       |          | 4        | 9°<br>7     | 12<br>9      | 12<br>9  | 22<br>12   | 17<br>7   | 16<br>17   | 5<br>5     |          |             |        | 2;<br>2  |
|                                       | <u>3</u> | 5<br>5   | 6<br>4      | 8<br>4       | 10<br>9  | 5<br>8     | 6 2       | 11<br>10   | 2<br>7     | 3<br>4   |             |        | 25<br>26 |
|                                       |          | 1<br>3   | 5<br>2      | 3<br>3       | 3<br>4   | 4<br>5     |           | 1          |            |          |             |        | 27<br>28 |
|                                       |          |          | 1           | 1<br>6       | 3        | 3          | 4         | 7<br>2     | 1          |          |             | •      | 29<br>30 |
|                                       | 3 7      | 26<br>29 | 65<br>47    | . 74<br>. 64 | 85<br>76 | 115<br>100 | 105<br>88 | 211<br>191 | 75<br>107  | 34<br>54 | 3 5         | 1<br>1 | 31<br>32 |
| •                                     |          |          |             | _            |          |            |           |            |            |          |             |        |          |
|                                       | •••••    |          |             | 1            | ·····ż   | 3          | <b>.</b>  | 5<br>2     | 3<br>5     |          |             |        | 33<br>34 |
| · · · · · · · · · · · · · · · · · · · | ·····i   | 1        | 2<br>2      | 2<br>5       | 3        | 7<br>5     | 11<br>7   | 15<br>17   | 14:<br>11: | 3<br>1   | · · · · · i |        | 3£<br>36 |
|                                       | l        | 2<br>1   | 10<br>2     | 7<br>9       | . 9      | 2<br>9     | 6<br>8    | 15<br>9    | 3<br>3     |          | <u> </u>    |        | 37<br>38 |

Table B.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK WEEKLY EARNINGS, IN EACH

|  | Num-  | age                                    | Aver-                               | Aver-<br>age<br>full-                 | Empl                              | oyees wh                  |     | full-tin<br>vere                  | ne hour                     | s per |
|--|-------|--|-------------------------------------|---------------------------------------|-----------------------------------|---------------------------|-----|-----------------------------------|-----------------------------|-------|
| Line No. Occupation, sex, State, and number of establishments. | horof | full-<br>time<br>hours<br>per<br>week. | rate<br>of<br>wages<br>per<br>hour. | time<br>week-<br>ly<br>earn-<br>ings. | Over<br>48<br>and<br>under<br>51. | 51<br>and<br>under<br>54. | 54. | Over<br>54<br>and<br>under<br>57. | 57 .<br>and<br>under<br>60. | 60.   |

#### FITTING OR STITCHING DEPARTMENT—Continued.

|   | FITTING                                  | · UK         | STITU          | HING           | DEP             | ARTI             | MEN 1-   |                                       | ueu.       |            |          |  |
|---|--|--------------|----------------|----------------|-----------------|------------------|----------|---------------------------------------|------------|------------|----------|--|
|   | CLOSERS-ON, FEMALE<br>concluded.         |              |                |                |                 |                  |          |                                       |            |            |          |  |
| 1<br>2                                  | New York:<br>7 establishments            | 1914<br>1916 | 54<br>58       | 51.8<br>51.9   | \$0.192<br>.212 | \$9.98<br>11.02  |          | . 23<br>22                            | 4<br>18    | 8          |          |  |
| 3 4                                     | Pennsylvania:<br>6 establishments        | 1914<br>1916 | 28<br>35       | 54.0<br>54.0   | . 187<br>. 178  | 10.08<br>9.63    |          |                                       | 28<br>35   |            |          |  |
| 5                                       | Wisconsin:<br>2 establishments           | 1914<br>1916 | 16<br>12       | 55.0<br>55.0   | . 189<br>. 172  | 10.37<br>9.47    | <u>.</u> |                                       |            | 16<br>12   |          |  |
| 7<br>8                                  | Other States:<br>13 establishments       | 1914<br>1916 | 37<br>32       | 55.9<br>55.6   | . 204<br>. 203  |                  |          | 2<br>8                                | 2<br>4     | 22<br>10   | 11<br>10 |  |
| 9<br>10                                 | Total:<br>51 establishments              | 1914<br>1916 | 259<br>249     | 53. 8<br>53. 8 | . 195           | 10. 51<br>10. 69 |          | 36<br>38                              |            | 60<br>30   | 11<br>10 |  |
|   | TOP STITCHERS OR UNDER TRIMMERS, FEMALE. |              |                |                |                 |                  |          |                                       |            |            |          |  |
| 11<br>12                                | Illinois: 4 establishments Maine:        | 1914<br>1916 | 42<br>32       | 55. 0<br>54. 1 | . 238<br>. 245  | 13. 07<br>13. 22 |          | 10                                    |            | 42<br>22   |          |  |
| 13<br>14                                | 4 establishments Massachusetts:          | 1914<br>1916 | 41<br>39       | 58.0<br>58.0   | . 240<br>. 229  | 13.89<br>13.29   |          |                                       |            |            | 41<br>39 |  |
| 15<br>16                                | 19 establishments Minnesota:             | 1914<br>1916 | 301<br>312     | 53. 8<br>53. 8 | . 232<br>. 230  | 12.47<br>12.40   |          | 70<br>74                              |            |            |          |  |
| 17<br>18                                | 3 establishments Missouri:               | 1914<br>1916 | 20<br>18       | 54. 3<br>54. 0 | . 239<br>. 244  | 13.00<br>13.18   |          |                                       | 15<br>18   | 5          |          |  |
| 19<br>20                                | 8 establishments                         | 1914<br>1916 | 119<br>169     | 53. 5<br>54. 0 | . 190<br>. 186  | 10.13<br>10.04   | 16       |                                       | 103<br>169 |            |          |  |
| $\begin{array}{c} 21 \\ 22 \end{array}$ | New Hampshire:<br>6 establishments       | 1914<br>1916 | 134<br>159     | 55.0<br>55.0   | . 177           | $9.73 \\ 10.92$  |          |                                       |            | 134<br>159 | <br>     |  |
| 23<br>24                                | New Jersey:<br>4 establishments          | 1914<br>1916 | 18<br>24       | 55.0<br>55.0   | . 236<br>. 219  | 12.97<br>12.05   |          |                                       |            | 18<br>24   |          |  |
| 25<br>26                                | 11 establishments                        | 1914<br>1916 | 115<br>141     | 51. 9<br>52. 3 | . 237<br>. 251  | 12. 24<br>13. 12 | 40<br>39 | 34<br>37                              | 41<br>65   |            |          |  |
| 27<br>28                                | 6 establishments Pennsylvania:           | 1914<br>1916 | 113<br>97      | 53. 8<br>53. 9 | . 201<br>. 186  | 10.84<br>10.03   |          | 48<br>41                              | 65<br>56   |            |          |  |
| 29<br>30                                | 7 establishments                         | 1914<br>1916 | 46<br>56       | 54.0<br>54.0   |                 | 9.50<br>10.07    |          |                                       | 46<br>56   |            |          |  |
| 31<br>32                                | Virginia:<br>2 establishments            | 1914<br>1916 | 16<br>14       | 59. 0<br>59. 0 | . 201<br>. 207  | 11. 88<br>12. 23 |          |                                       | •          |            | 16<br>14 |  |
| 33<br>34                                | Wisconsin: 2 establishments              | 1914<br>1916 | 31<br>30       | 55. 0<br>55. 0 | . 175<br>. 180  | 9. 62<br>9. 87   |          |                                       |            | 31<br>30   |          |  |
| 35<br>36                                | Other States:<br>1 establishment         | 1914<br>1916 | 8<br>10        | 54. 0<br>54. 0 | . 175<br>. 161  | 9. 44<br>8. 68   |          | · · · · · · · · · · · · · · · · · · · | 8<br>10    |            |          |  |
| 37<br>38                                | Total: 77 establishments                 | 1914<br>1916 | 1,004<br>1,101 | 54. 1<br>54. 1 | . 212           | 11. 46<br>11. 55 | 56<br>39 | 152<br>162                            | 509<br>612 | 230<br>235 | 57<br>53 |  |

|                      |                             | -                                 | Emp                          | oloyees                            | whose r                      | ates of v                    | wages p                            | er hour                            | were—                              |                                    |                                    |                             |             |
|----------------------|-----------------------------|-----------------------------------|------------------------------|------------------------------------|------------------------------|------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|-----------------------------|-------------|
| Under<br>6<br>cents. | and<br>under<br>8<br>cents. | 8<br>and<br>under<br>10<br>cents. | and<br>under<br>12<br>cents. | 12<br>and<br>under<br>14<br>cents. | and<br>under<br>16<br>cents. | and<br>under<br>18<br>cents. | 18<br>and<br>under<br>20<br>cents. | 20<br>and<br>under<br>25<br>cents. | 25<br>and<br>under<br>30<br>cents. | 30<br>and<br>under<br>40<br>cents. | 40<br>and<br>under<br>50<br>cents. | 50<br>cents<br>and<br>over. | Line<br>No. |

### FITTING OR STITCHING DEPARTMENT—Continued.

|   |   | F              | TTING                                 | GOR           | STITC           | HING       | DEPA       | RTME             | ent—c         | ontinue       | u.     |        |          |
|---|---|----------------|---------------------------------------|---------------|-----------------|------------|------------|------------------|---------------|---------------|--------|--------|----------|
|   |   |                |                                       |               |                 |            |            |                  |               |               |        |        |          |
|   | ļ | 2              | 2<br>4                                | 4<br>5        | 10<br>3         | 9          | 6<br>5     | 13<br>15         | 5<br>15       | 3 3           |        |        | 1 2      |
|   |   |                | 1<br>1                                | $\frac{1}{2}$ | 8<br>4          | 2<br>4     | 7 7        | 7<br>10          | $\frac{1}{2}$ | 1             |        |        | 3<br>4   |
|   |   | <br>  <b>:</b> | ·····i                                | 2<br>1        | 4               | 7          | 3<br>3     | 3<br>1           | i             | 1             |        |        | 5<br>6   |
|   |   | 1              | $\frac{2}{1}$                         | 3 3           | 4<br>3          | 2 2        | 6          | 19<br>9          | 1<br>4        | 3             | <br>   |        | 7<br>8   |
|   | 1 | 5 8            | 17<br>11                              | 20<br>25      | 32<br>25        | 32<br>29   | 37<br>36   | 77<br>63         | 27<br>41      | 12            |        |        | 9<br>10  |
|   |   |                |                                       |               |                 |            |            |                  |               |               |        |        |          |
|   |   | <sub>i</sub>   |                                       | i             | 4<br>2          | 2          | 6<br>1     | 12<br>12         | 13<br>9       | 4<br>5        | 1      |        | 11<br>12 |
|   |   |                |                                       | 3             | 3<br>3          | 2<br>6     | 5<br>5     | 13<br>17         | 8<br>4        | 6<br>3        | 1      | i      | 13<br>14 |
|   |   | <b>-</b>       | 3<br>7                                | . <b>1</b> 0  | $\frac{20}{24}$ | 28<br>28   | 29<br>24   | 117<br>116       | 58<br>62      | 32<br>36      | 5<br>5 |        | 15<br>16 |
|   |   |                |                                       |               | i               |            | 2<br>1     | 12<br>7          | 5<br>4        | 1<br>3        |        |        | 17<br>18 |
|   | 1 | 10             | 13<br>11                              | 8<br>18       | 39              | 10<br>25   |            | 25               |               | 5<br>7        | 1      |        | 19<br>20 |
|   |   | .1             | 11<br>8                               | 16<br>12      | 21<br>16        | 30<br>18   | 20<br>27   |                  | 6<br>20       | 1<br>4        |        |        | 21<br>22 |
|   |   |                |                                       | ••••••        |                 | . 6        | 3<br>6     | 6                | 4<br>5        | $\frac{2}{1}$ |        |        | 23<br>24 |
|   |   | 2              | 2                                     | 6 2           | 11<br>4         | 13<br>11   |            | 27<br>47         | 16<br>39      | 23<br>22      | 3<br>3 | 1<br>1 | 25<br>26 |
|   | 1 | 1<br>1         | 4<br>12                               | 10<br>3       | 13<br>12        | 13<br>13   |            | 32<br><b>2</b> 5 | 15<br>9       | 8<br>4        |        |        | 27<br>28 |
|   |   | 2<br>3         |                                       | 3<br>5        | 9               | 14<br>8    | 5          | 5<br>14          | 3<br>4        | 3             |        |        | 29<br>30 |
| ļ |   | · · · · · · ·  | • • • • • • • • • • • • • • • • • • • | 1             | 3<br>3          | $_{2}^{2}$ | 2<br>3     | 6<br>4           | 2<br>1        | i             |        |        | 31<br>32 |
|   |   | 11             | 2<br>1                                | 6<br>2        | 3<br>5          | 5<br>6     |            | 10<br>12         | 2             |               |        |        | 33<br>34 |
|   |   |                | 3                                     | 1             | 1               | 1<br>3     | 3<br>1     | i                | 1             |               |        |        | 35<br>36 |
|   | 2 | 17<br>7        | 36<br>47                              | 63<br>53      | 94<br>119       | 121<br>128 | 126<br>129 | 305<br>339       | 146<br>178    | 82<br>89      | 11 9   | 1 2    | 37<br>38 |

Table **B.**—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK WEEKLY EARNINGS, IN EACH

|             |   |       | Num-   | age           | A ver-                              | Aver-<br>age<br>full-                 | Empl                              | oyees v                     |     | full-tim<br>vere—                 | ne hour                   | s per |
|-------------|---|-------|--------|---------------|-------------------------------------|---------------------------------------|-----------------------------------|-----------------------------|-----|-----------------------------------|---------------------------|-------|
| Line<br>No. | Occupation, sex, State,<br>and number of estab-<br>lishments. | Year. | hon of | full-<br>time | rate<br>of<br>wages<br>per<br>hour. | time<br>week-<br>ly<br>earn-<br>ings. | Over<br>48<br>and<br>under<br>51. | 51<br>and ·<br>under<br>54. | 54. | Over<br>54<br>and<br>under<br>57. | 57<br>and<br>under<br>60. | 60.   |

#### FITTING OR STITCHING DEPARTMENT—Continued

|                | FILLING   | OK                   | STITCE     | IING           | DEP                      | V LC. I. IA      | LENI-    | -Conti       | quea.      |          |          |  |
|----------------|---|----------------------|------------|----------------|--------------------------|------------------|----------|--------------|------------|----------|----------|--|
|                | BUTTON FASTENERS,<br>FEMALE.                    |                      |            |                |                          |                  |          |              |            |          |          |  |
| 1 2            | Massachusetts:<br>13 establishments             | 1914<br>1916         | 43<br>28   | 53. 8<br>53. 7 | <b>\$0,</b> 198<br>. 192 | \$10.65<br>10.31 |          | 15<br>14     |            |          |          |  |
| 3<br>4         | Missouri:<br>7 establishments                   | 1914<br>1916         | 26<br>22   | 53.1<br>54.0   | .181                     | 9.56<br>10.80    |          |              | 20<br>22   |          |          |  |
| 5<br>6         | New York:<br>10 establishments                  | 1914<br>1916         | 34<br>25   | 51.6<br>51.4   |                          | 11.56<br>13.41   |          |              |            | 2        |          |  |
| 7<br>8         | Ohio: 4 establishments Pennsylvania:            | 1914<br>1916         | 24<br>12   | 53. 9<br>53. 8 |                          | 7.96<br>10.08    |          | 9 7          | 15<br>5    |          |          |  |
| 9<br>10        | 7 establishments Other States:                  | 1914<br>1916         | 22<br>14   | 54.0<br>54.0   | .160<br>.159             | 8. 65<br>8. 59   |          |              | 22<br>14   |          |          |  |
| 11<br>12       | 19 establishments                               | 1914<br>1916         | 40<br>41   | 55. 8<br>55. 6 |                          |                  |          | i            | 3<br>5     |          | 10<br>10 |  |
| 13<br>14       | Total:<br>60 establishments                     | 1914<br>1916         | 189<br>142 | 53. 7<br>53. 9 | . 192                    |                  | 18<br>11 |              | 93<br>65   |          |          |  |
|                | BUTTONHOLE MAKERS,<br>FEMALE.                   |                      |            | _=             |                          |                  |          |              |            |          |          |  |
| 15<br>16       | Illinois: 4 establishments  Maine:              | 1914<br>1916         | 12<br>8    | 55.0<br>54.3   | . 200<br>. 256           | 10. 99<br>13. 79 |          | <sub>2</sub> |            | 12<br>6  |          |  |
| 17<br>18       | 4 establishments  Massachusetts:                | 1914<br>1916         | 28<br>19   | 58. 0<br>58. 0 | . 228<br>. 282           | 13. 25<br>16. 34 |          |              |            |          | 28<br>19 |  |
| 19<br>20       | 19 establishments                               | 1914<br>1916         | 146<br>106 | 53. 8<br>53. 8 |                          | 12.65<br>12.54   |          | 44<br>38     |            |          |          |  |
| 21<br>22       | 7 establishments New Hampshire:                 | 1914<br>1916         | 59<br>59   | 53. 1<br>54. 0 | . 195<br>. 196           | 10. 31<br>10. 61 |          |              | 45<br>59   |          |          |  |
| 23<br>24       | 6 establishments New Jersey:                    | 1914<br>1916         | 32<br>19   | 55.0<br>55.0   | . 156<br>. 186           | 8.60<br>10.23    |          |              |            | 32<br>19 |          |  |
| 25<br>26       | 4 establishments New York:                      | 1914<br>1916         | 15<br>11   | 55.0<br>55.0   |                          |                  |          |              |            | 15<br>11 |          |  |
| 27<br>28       | 9 establishments<br>Ohio:                       | 1914<br>1916         | 77<br>55   | 51.6<br>51.5   | •                        | 9.80<br>12.20    | 26       | 14           | 13<br>15   | 5        |          |  |
| 29<br>30       | 6 establishments Pennsylvania: 5 establishments | 1914<br>1916         | 48<br>36   | 53. 8<br>53. 8 | . 162<br>. 188           | 8.74<br>10.11    |          | 28<br>25     | 20<br>11   |          |          |  |
| 31 32          | Wisconsin:                                      | 1914<br>1916         | 36<br>33   | 54. 0<br>54. 0 |                          | 7.89<br>9.34     | · .      |              | 36<br>33   |          |          |  |
| 33<br>34<br>35 | 2 establishments Other States: 7 establishments | 1914<br>1916<br>1914 | 11<br>9    | 55. 0<br>55. 0 | . 174                    | 9. 58<br>10. 60  |          |              |            | 11<br>9  |          |  |
| 36             | Total:  | 1914                 | 20<br>14   | 56. 7<br>56. 5 | .159                     | 8. 92<br>8. 77   |          |              | 7          | 3<br>    | 10<br>7  |  |
| 37<br>38       | 73 establishments                               | 1914<br>1916         | 484<br>369 | 53. 9<br>54. 0 | . 196<br>. 213           | 10.55<br>11.50   | 46<br>26 | 99<br>79     | 223<br>193 | 78<br>45 | 38<br>26 |  |

### AND RATES OF WAGES PER HOUR, AND AVERAGE FULL-TIME STATE, BY YEARS, 1914 AND 1916—Continued.

|                      |                                  |                                   | Emp                          | ployees                      | whose r                      | ates of                            | wages p                            | er hour                            | were-                              | -                                  |                                    |                             |           |
|----------------------|----------------------------------|-----------------------------------|------------------------------|------------------------------|------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|-----------------------------|-----------|
| Under<br>6<br>cents. | 6<br>and<br>under<br>8<br>cents. | 8<br>and<br>under<br>10<br>cents. | and<br>under<br>12<br>cents. | and<br>under<br>14<br>cents. | and<br>under<br>16<br>cents. | 16<br>and<br>under<br>18<br>cents. | 18<br>and<br>under<br>20<br>cents. | 20<br>and<br>under<br>25<br>cents. | 25<br>and<br>under<br>30<br>cents. | 30<br>and<br>under<br>40<br>cents. | 40<br>and<br>under<br>50<br>cents. | 50<br>cents<br>and<br>over. | Lin<br>No |
|                      |                                  | F                                 | ITTIN                        | G OR                         | STITC                        | HING                               | DEPA                               | RTMI                               | ent—c                              | Continue                           | đ.                                 | ****                        |           |
|                      |                                  | i                                 | 1<br>4                       | 5                            | 3<br>1                       | 5<br>6                             | 12<br>3                            | 9.                                 | 6<br><b>3</b>                      | 2<br>2                             |                                    |                             |           |
|                      |                                  |                                   | 3                            | 6<br>5                       | 2<br>1                       | 2 2                                | 2<br>1                             | 7<br>10                            | 4 2                                | i                                  |                                    |                             |           |
|                      |                                  |                                   | 1<br>1                       |                              |                              | 9<br>2                             | 6<br>4                             | 10<br>4                            | 2<br>8                             | 6<br>4                             | 2                                  |                             |           |
|                      | i                                | 5                                 | 3<br>1                       | 4                            | 2<br>2                       | 3<br>1                             | 4<br>3                             | 3 2                                | i                                  | i                                  |                                    |                             |           |
|                      |                                  | 1<br>1                            | 5<br>1                       | 4<br>5                       | 2                            | 2 2                                | 3<br>2                             | 4 3                                | 1                                  |                                    |                                    |                             | 1         |
|                      |                                  |                                   | 2<br>4                       | 9<br>2                       | 5<br>4                       | 3<br>3                             | 6<br>6                             |                                    | 2<br>6                             | 5<br>7                             | 3                                  |                             | ]         |
|                      | i                                | 6 2                               | 15<br>11                     | 28<br>12                     | 14<br>8                      | 24<br>16                           | 33<br>19                           | 38                                 | 15<br>20                           | 13<br>15                           | 3 2                                |                             | ]         |
|                      |                                  |                                   |                              | <del></del>                  |                              | <del></del>                        | ====                               |                                    |                                    |                                    |                                    |                             |           |
|                      |                                  |                                   | 2                            | 1                            | 1                            | 1                                  | 1                                  | 2                                  | 3                                  | 1                                  |                                    | •••••                       | ]         |
|                      |                                  |                                   | 1                            | 1                            | 4                            | 1                                  | 3<br>1                             | 8 4                                | 9 3                                | 1                                  | 1                                  |                             | ]         |
|                      |                                  | 1<br>1                            | 2 6                          | 8                            | 1<br>15<br>6                 | 19<br>11                           | 16<br>16                           | 34                                 | 23<br>14                           | 10<br>20<br>12                     | 7                                  | 1<br>2                      | 1 1 2     |
|                      |                                  | 2<br>2                            | 9 7                          | 9 5                          | 5<br>9                       | 3 7                                | 6                                  | 19                                 | 5<br>8                             | 1 8                                |                                    |                             | 2 2       |
|                      |                                  | 2                                 | 3 2                          |                              | 8                            | 3 2                                | i                                  | 4 5                                | i                                  |                                    |                                    |                             | 2         |
|                      |                                  |                                   | 2<br>1                       | 1<br>1                       | 6                            |                                    | 1                                  | 1                                  | · · · · · · · · ·                  |                                    |                                    |                             | 2         |
|                      |                                  | 1                                 | 6                            | 5                            | 7                            | 14<br>3                            | 12<br>9                            | 24<br>24                           | 6<br>14                            | 2<br>4                             | i                                  |                             | 2 2       |
|                      |                                  | 1                                 | 5<br>1                       | 11<br>3                      | 9                            | 9                                  | 3 9                                | 6                                  | 4                                  |                                    |                                    |                             | 2         |
|                      | 2                                | 1<br>5                            | 6                            | 9<br>1                       | 6<br>4                       | 5<br>6                             | 4 4                                | 3 6                                | 4                                  |                                    |                                    |                             | 3         |
|                      |                                  |                                   | 2                            | 3                            | 2                            | 1                                  | 3<br>1                             |                                    |                                    |                                    |                                    |                             | 3         |
|                      | ······2                          | 1 1                               | 3                            | 4<br>1                       | 5<br>2                       | 3                                  | 2                                  | 5<br>3                             | í                                  |                                    |                                    |                             | 3         |
|                      | 2                                | 9                                 | 41<br>22                     | 53                           | 68                           | 60                                 | 58<br>56                           | 109                                | 50                                 | 25                                 | 8 7                                | 1 2                         | 1         |

Table B.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK, WEEKLY EARNINGS, IN EACH

|             |   | -     | <b>3</b> T                        | Aver-         | Aver-                               | Aver-  | Empl                              | oyees v                   |     | full-tim<br>vere—                 | ne hour                   | s per |
|-------------|---|-------|-----------------------------------|---------------|-------------------------------------|--|-----------------------------------|---------------------------|-----|-----------------------------------|---------------------------|-------|
| Line<br>No. | Occupation, sex, State,<br>and number of estab-<br>lishments. | Year. | Num-<br>ber of<br>em-<br>ployees. | full-<br>time | rate<br>of<br>wages<br>per<br>hour. | full-<br>time<br>week-<br>ly<br>earn-<br>ings. | Over<br>48<br>and<br>under<br>51. | 51<br>and<br>under<br>54. | 54. | Over<br>54<br>and<br>under<br>57. | 57<br>and<br>under<br>60. | 60.   |

### FITTING OR STITCHING DEPARTMENT—Continued.

|            |                                     |              |            |                |                   |                  |          | ,          |            | ,            |          |        |
|------------|-------------------------------------|--------------|------------|----------------|-------------------|------------------|----------|------------|------------|--------------|----------|--------|
|            | VAMPERS, MALE.                      |              |            |                | •                 |                  |          |            |            |              |          |        |
| $_{2}^{1}$ | Illinois:<br>4 establishments       | 1914<br>1916 | 41<br>38   | 55.0<br>54.2   | \$0. 294<br>. 290 |                  |          | <u>i</u> 0 |            | 41<br>28     |          |        |
| 3<br>4     | Maine:<br>3 establishments          | 1914<br>1916 | 17<br>10   | 58. 1<br>58. 3 | . 262<br>. 326    | 15. 23<br>19. 01 |          |            |            |              | 17<br>10 |        |
| 5          | Massachusetts:<br>17 establishments | 1914<br>1916 | 265<br>252 | 53. 9<br>54. 1 | . 332             | 17. 93<br>19. 02 |          | 65<br>31   | 174<br>188 | 26<br>33     |          |        |
| 7          | Missouri:<br>5 establishments       | 1914         | 14         | 56. 1          | . 239             | 13.43            |          |            | 8          |              | 6        |        |
| 8          | New Hampshire:<br>6 establishments  | 1916<br>1914 | 19<br>59   | 57. 2<br>55. 0 | . 274             | 15. 55<br>14. 27 |          |            | 7          | 59           | 12       |        |
| 10         | New Jersev:                         | 1916         | 63         | 55.0           | . 278             | 15. 29           |          |            |            | 63           |          |        |
| 11<br>12   | 3 establishments  New York:         | 1914<br>1916 | 11<br>10   | 55. 0<br>55. 0 | . 317<br>. 284    | 17. 43<br>15. 63 |          |            |            | . 11<br>. 10 |          |        |
| 13<br>14   | 7 establishments                    | 1914<br>1916 | 40<br>46   | 52. 7<br>52. 5 | . 327<br>. 399    | 17. 24<br>20. 94 | 6<br>7   | 26<br>32   |            | 8<br>7       |          |        |
| 15<br>16   | Pennsylvania:<br>3 establishments   | 1914<br>1916 | 17<br>31   | 56. 6<br>56. 7 | . 313<br>. 338    | 17.64<br>19.24   |          |            | 6<br>10    |              | 11<br>21 |        |
| 17<br>18   | Other States:<br>5 establishments   | 1914<br>1916 | 15<br>27   | 58.3<br>58.6   | . 269<br>. 277    | 15.71<br>16.15   |          |            |            | 4<br>5       | 5<br>13  | 6<br>9 |
| 19<br>20   | Total: 53 establishments            | 1914<br>1916 | 479<br>496 | 54. 5<br>54. 7 | . 311             | 16. 95<br>18. 12 | 6 7      | 91<br>73   | 188<br>205 | 149<br>146   |          |        |
|            | VAMPERS, FEMALE.                    |              |            |                |                   |                  |          |            |            |              |          |        |
| 21<br>22   | Illinois:<br>4 establishments       | 1914<br>1916 | 49<br>39   | 55. 0<br>53. 7 | . 236<br>. 286    | 12. 99<br>15. 35 |          | 17         |            | 49<br>22     |          |        |
| 23<br>24   | Maine:<br>4 establishments          | 1914<br>1916 | 42<br>60   | 58.0<br>58.0   | . 251<br>. 272    | 14.56<br>15.75   |          |            |            |              | 42<br>60 |        |
| 25<br>26   | Massachusetts:<br>18 establishments | 1914<br>1916 | 239<br>250 | 53. 9<br>53. 9 | . 260<br>. 275    | 14. 04<br>14. 79 |          | 58<br>59   | 181<br>191 |              |          |        |
| 27<br>28   | Minnesota:<br>3 establishments      | 1914<br>1916 | 22<br>30   | 54. 4<br>54. 0 | . 220<br>. 269    | 11.95<br>14.55   |          |            | 13<br>30   | 9            |          |        |
| 29<br>30   | Missouri:<br>8 establishments       | 1914<br>1916 | 122<br>161 | 53.0<br>54.0   | . 240<br>. 241    | 12.67<br>13.01   | 30       |            | 92<br>161  |              |          |        |
| 31<br>32   | New Hampshire:<br>6 establishments  | 1914<br>1916 | 105<br>114 | 55. 0<br>55. 0 | . 237<br>. 248    | 13. 01<br>13. 64 |          |            |            | 105<br>114   |          |        |
| 33<br>34   | New Jersey:<br>4 establishments     | 1914<br>1916 | 21<br>24   | 55. 0<br>55. 0 | . 256<br>. 235    | 14.08<br>12.93   |          |            |            | 21<br>24     |          |        |
| 35<br>36   | New York:<br>10 establishments      | 1914<br>1916 | 155<br>140 | 52. 1<br>51. 9 | . 266             | 13.84<br>15.03   | 50<br>44 | 50<br>49   | 28<br>47   | 27           |          |        |
| 37<br>38   | Ohio:<br>6 establishments           | 1914<br>1916 | 147<br>130 | 53. 8<br>53. 8 | . 223             | 11. 98<br>11. 07 |          | 73<br>60   | 74<br>70   |              |          |        |
| 39<br>40   | Pennsylvania:<br>7 establishments   | 1914<br>1916 | 69<br>66   | 54.0<br>54.0   | . 207             | 11. 19           |          |            | 69<br>66   |              |          |        |

|                      |                                  |                              | Emp                          | oloyees                      | whose r                      | ates of                      | wages p                            | er hour                            | were—                              |                                    | -                                  |                             |             |
|----------------------|----------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|-----------------------------|-------------|
| Under<br>6<br>cents. | 6<br>and<br>under<br>8<br>cents. | and<br>under<br>10<br>cents. | and<br>under<br>12<br>cents. | and<br>under<br>14<br>cents. | and<br>under<br>16<br>cents. | and<br>under<br>18<br>cents. | 18<br>and<br>under<br>20<br>cents. | 20<br>and<br>under<br>25<br>cents. | 25<br>and<br>under<br>30<br>cents. | 30<br>and<br>under<br>40<br>cents. | 40<br>and<br>under<br>50<br>cents. | 50<br>cents<br>and<br>over. | Line<br>No. |
|                      |                                  | JF)                          | ITTIN                        | G OR                         | STITC                        | HING                         | DEPA                               | RTMI                               | ENT-C                              | ontinue                            | 1.                                 |                             |             |
| •••••                |                                  |                              |                              |                              |                              | 1                            |                                    | 11                                 | 14                                 | 12                                 | 3                                  | •••••                       | 1           |
|                      |                                  |                              |                              |                              |                              | 3                            | 1 2                                | 8                                  | 13                                 | 10                                 | 2                                  | 1                           | 2           |
| · · · · · · · ·      |                                  |                              | 1                            |                              | 2<br>1                       | i                            | 1                                  | ·····à                             | 3                                  | 8<br>2                             | ······à                            | i                           | 3<br>4      |
|                      |                                  | 2                            | 1                            | 1                            | 2<br>2                       | 6<br>2                       |                                    | 27<br>23                           | 43<br>36                           | 118<br>117                         | 51<br>52                           | 6<br>15                     | 5<br>6      |
|                      |                                  |                              |                              | 1 2                          | 1                            | 1                            | 1                                  | 3 2                                | 5<br>5                             | 2<br>9                             |                                    |                             | 7 8         |
|                      |                                  |                              |                              | 2                            | i                            | 3                            |                                    | 22                                 | 13<br>13                           | 12<br>24                           | 2<br>1                             |                             | 9<br>10     |
|                      |                                  |                              |                              |                              |                              |                              |                                    | 1                                  | 2                                  | 8                                  | <br>                               |                             | 11          |
|                      |                                  |                              |                              |                              | 1                            |                              | 1                                  | 8                                  | 8                                  | 16                                 | 5                                  | 2                           | 12          |
|                      |                                  |                              |                              |                              |                              |                              |                                    | 2                                  | 3                                  | 19                                 | 14                                 | 8                           | 14          |
|                      |                                  |                              |                              |                              |                              |                              | 1 1                                | 3                                  | 3                                  | 8<br>19                            | 3                                  | ·····i                      | 15<br>16    |
|                      |                                  |                              |                              |                              |                              | 4                            | 2                                  | 5                                  |                                    | 2<br>7                             | 1<br>1                             | ·····i                      | 17<br>18    |
|                      |                                  | 2                            | 2                            | 4 2                          | 6 4                          |                              | 18<br>16                           | 79<br>63                           | 97<br>84                           | 186<br>211                         | 65<br>76                           | 8<br>27                     | 19<br>20    |
|                      |                                  |                              |                              |                              |                              |                              |                                    |                                    |                                    |                                    |                                    |                             |             |
|                      |                                  |                              | ·····i                       | 2                            | 2                            | 4                            | 9                                  |                                    | 12<br>7                            | 8<br>11                            |                                    | i                           | 21<br>22    |
|                      |                                  |                              |                              | 1                            | 2 2                          | 3                            | 6                                  | 10<br>19                           | 9                                  |                                    |                                    |                             | 23<br>24    |
|                      |                                  | 3                            | 3                            | 8                            | ł                            | 11                           | 23                                 | 58                                 | 61                                 | 57                                 | 1                                  | <br>                        | 23          |
| <br>                 |                                  |                              |                              | ļ <sup>2</sup>               | 2                            |                              | Į                                  | 10                                 | 6                                  |                                    |                                    |                             | 27          |
|                      |                                  | 1                            | 3                            | 3                            | 6                            | 8                            | 17                                 | 34                                 | 27                                 | 20                                 | 3                                  |                             | 29          |
|                      |                                  | 1                            | j                            |                              | 9                            | 14                           | 29                                 | 31                                 | 34                                 | 33                                 | 3                                  | •••••                       | 30          |
|                      |                                  |                              |                              | 8                            | 2                            | 8                            | 3 9                                | 40                                 | 40                                 | 17                                 | ·····                              | ¦                           | 32          |
|                      |                                  |                              |                              |                              | 1                            |                              | 2                                  | 12                                 | 2                                  |                                    |                                    |                             | 33          |
|                      |                                  | 1                            |                              | . 2<br>1                     | 5                            | 16                           | 3 14<br>2 11                       | 29<br>29                           | 36<br>30                           | 47<br>58                           |                                    | 1                           | 35<br>36    |
|                      |                                  | ·····i                       | 3                            | 8                            |                              | 18                           | 21<br>1 18                         | 45                                 |                                    | 15                                 |                                    |                             | 3           |

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TABLE B.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK WEEKLY EARNINGS, IN EACH

|             |   |       | Num                               | Aver-   | Aver- | Aver-<br>age<br>full- | Empl                              | oyees v                   |     | full-tim                          | e hour                    | s per |
|-------------|---|-------|-----------------------------------|---|-------|-----------------------|-----------------------------------|---------------------------|-----|-----------------------------------|---------------------------|-------|
| Line<br>No. | Occupation, sex, State,<br>and number of estab-<br>lishments. | Year. | Num-<br>ber of<br>em-<br>ployees. | age<br>full-<br>time<br>hours<br>per<br>week. | rate  | time<br>week-<br>ly   | Over<br>48<br>and<br>under<br>51. | 51<br>and<br>under<br>54. | 54. | Over<br>54<br>and<br>under<br>57. | 57<br>and<br>under<br>60. | 60.   |

### FITTING OR STITCHING DEPARTMENT—Concluded.

| <u> </u> | 77                             |        |       |       |                          |         | 1       |     |     | · · ·       |             |  |
|----------|--------------------------------|--------|-------|-------|--------------------------|---------|---------|-----|-----|-------------|-------------|--|
|          | VAMPERS, FEMALE—<br>continued. |        |       |       |                          |         |         |     |     | 1           |             |  |
| ļ        | Virginia:                      |        |       | ľ     |                          |         | ŀ       |     |     |             |             |  |
| 1        | 2 establishments               | 1914   | 11    | 59.0  | <b>\$</b> 0. <b>20</b> 5 | \$12.07 | <b></b> |     |     | l. <i>.</i> | 11          |  |
| 2        |                                | 1916   | 14    | 59.0  | . 215                    | 12.68   | l       |     |     | l           | 14          |  |
| - 1      | Wisconsin:                     |        |       |       |                          |         | 1       |     |     |             |             |  |
| 3        | 2 establishments               | 1914   | 34    | 55.0  | . 220                    | 12.09   |         |     |     | 34          | l           |  |
| 4        | 2 0010021022                   | 1916   | 22    | 55.0  |                          |         |         |     |     | 22          |             |  |
| ^ I      | Other States:                  | , -0-0 |       | 00.0  |                          |         |         |     |     |             | , , , , , , |  |
| 5        | 1 establishment                | 1914   | 11    | 54.0  | . 192                    | 10.35   | l       |     | 11  |             | 1           |  |
| 6        | 1 000001101111011011111111     | 1916   | 15    | 54.0  |                          |         |         |     | 15  |             |             |  |
| ٠,       |                                | -0-0   |       |       |                          |         |         |     |     |             |             |  |
| - 1      | Total:                         |        |       |       |                          |         |         |     |     | l           | (           |  |
| 7        | 75 establishments              | 1914   | 1,027 | 54.0  | . 242                    | 13.06   | 80      | 181 | 468 | 245         | 53          |  |
| 8        | 10 Cottabilion medical         | 1916   | 1,065 | 54. 1 |                          | 13. 61  |         | 185 |     |             |             |  |
| °        |                                | 1010   | _,000 | 07. 1 | . 202                    | 10.01   | 1 11    | 100 | 000 | 102         | 1 1         |  |

### LASTING DEPARTMENT.

|          | ASSEMBLERS, FOR PULL-<br>ING-OVER MACHINE,<br>MALE. |              |          |                |                |         |   |      |     |          |      |          |
|----------|---|--------------|----------|----------------|----------------|---------|---|------|-----|----------|------|----------|
|          | Illinois:   | İ            |          |                |                |         |   |      |     |          |      |          |
| 9        | 3 establishments                                    | 1914         | 39       | 55. 0          | \$0. 233       | \$12.84 | • • • • • • •                           |      |     | 39       |      |          |
| 10       | Maine:  | 1916         | 30       | 53. 7          | . 341          | 18.28   |   | 13   |     | 17       |      |          |
| 11       | 4 establishments                                    | 1914         | 30       | 57.8           | . 279          |         | <b>.</b>                                |      |     | 2        | 28   |          |
| 12       |   | 1916         | 31       | 58. 1          | . 322          | 18.77   |   |      |     |          | 31   |          |
| 13       | Massachusetts:<br>11 establishments                 | 1914         | 176      | 54. 3          | . 326          | 17 79   |   | 6    | 133 | 37       | }    | ļ        |
| 14       | ii establishments                                   | 1916         | 153      | 54. 4          | .355           |         |   | 3    |     |          |      |          |
|          | Minnesota:  |              |          |                |                |         |   |      |     | "        |      |          |
| 15       | 3 establishments                                    | 1914         | 16       | 59. 6          | . 287          |         |   |      |     |          | 6    |          |
| 16       | Missouri:   | 1916         | 15       | 60.0           | . 309          | 18, 54  | · • • • • • • • • • • • • • • • • • • • |      |     |          |      | 15       |
| 17       | 8 establishments                                    | 1914         | 104      | 56. 7          | . 239          |         |   |      | 33  |          |      |          |
| 18       |   | 1916         | 114      | 55. 7          | . 234          | 13.01   |   |      | 76  |          | 38   |          |
| 19       | New Hampshire:                                      | 1914         | 45       | 55. 0          | . 259          | 14 00   |   |      |     | 45       |      |          |
| 20       | 4 establishments                                    | 1914         | 32       | 55. 0          | . 281          |         |   |      |     | 32       |      |          |
|          | New Jersey:   |              |          |                |                |         |   |      |     |          |      |          |
| 21       | 2 establishments                                    | 1914         | 18       | 55.0           | . 299          |         |   |      |     | 18       |      |          |
| 22       | New York:   | 1916         | 15       | 55. 0          | . 313          | 17. 21  |   |      |     | 15       |      |          |
| 23       | 7 establishments                                    | 1914         | 105      | 52. 5          | . 266          | 13, 96  | 25                                      | 44   | 12  | 24       | l '  |          |
| 24       |   | 1916         | 104      | <b>52</b> . 5  | . 290          |         |   | 51   |     | 25       |      |          |
| 25       | Ohio:   | ****         | ا م      |                | 204            |         |   |      |     |          |      | ļ        |
| 25<br>26 | 5 establishments                                    | 1914<br>1916 | 69<br>42 | 57. 6<br>56. 8 | . 281<br>. 340 |         |   | •••• |     | 25<br>23 |      |          |
| 20       | Pennsylvania:                                       | 1910         | 42       | 30. 8          | . 340          | 19. 30  |   |      |     | 23       | 1 19 |          |
| 27       | 3 establishments                                    | 1914         | 10       | 54.2           | . 255          | 13.79   |   |      | 8   | 2        |      |          |
| 28       | **************************************              | 1916         | 9        | 54.2           | . 268          | 14. 53  |   |      | 7   | 2        |      |          |
| 29       | Virginia:<br>3 establishments                       | 1914         | 27       | 59.0           | . 215          | 12, 69  |   |      | i   |          | 27   |          |
| 30       |   | 1916         | 15       | 59.0           | . 243          | 14.35   |   |      |     |          | 15   |          |
| 1.1      | Wisconsin   |              |          | ]              |                |         | 1                                       |      |     |          |      |          |
| 31<br>32 | 2 establishments                                    | 1914<br>1916 | 14<br>20 | 60. 0<br>59. 5 | . 214          |         |   |      |     |          |      | 14<br>18 |
| 32       | Other States:                                       | 1910         | 20       | 59. 5          | . 200          | 12. 13  |   |      |     |          |      | 10       |
| 33       | 1 establishment                                     | 1914         | 6        | 59.0           | . 262          |         |   |      |     |          | 6    |          |
| 34       |   | 1916         | 6        | 55.0           | <b>. 2</b> 69  | 14. 79  |   |      |     | 6        |      |          |
|          | Total:  |              |          |                |                |         |   |      |     |          |      |          |
| 35       | 56 establishments                                   | 1914         | 659      | 55. 5          | . 276          | 15. 24  | 25                                      | 50   | 186 | 211      | 163  | 24       |
| 36       |   | 1916         | 586      | 55. 1          | . 300          |         |   | 67   | 201 | 160      |      | 33       |

|                      |                                  |                                   | Em                           | ployees                      | whose                        | rates of                                | wages                              | per hou                            | r were-                            | -                                  |                              |                             |            |
|----------------------|----------------------------------|-----------------------------------|------------------------------|------------------------------|------------------------------|---|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------|-----------------------------|------------|
| Under<br>6<br>cents. | 6<br>and<br>under<br>8<br>cents. | 8<br>and<br>under<br>10<br>cents. | and<br>under<br>12<br>cents. | and<br>under<br>14<br>cents. | and<br>under<br>16<br>cents. | and<br>under<br>18<br>cents.            | 18<br>and<br>under<br>20<br>cents. | 20<br>and<br>under<br>25<br>cents. | 25<br>and<br>under<br>30<br>cents. | 30<br>and<br>under<br>40<br>cents. | and<br>under<br>50<br>cents. | 50<br>cents<br>and<br>over. | Lin<br>No. |
|                      |                                  | FI                                | TTING                        | GOR                          | STITC                        | HING                                    | DEPA                               | RTME                               | NT-C                               | onclude                            | i.                           |                             |            |
|                      |                                  |                                   |                              |                              | 1                            | 1<br>5                                  | 4                                  | 4                                  | 1                                  |                                    |                              |                             |            |
| •••••                |                                  |                                   |                              |                              | 3                            |   | 7                                  | 5<br>19                            | 3                                  | 3                                  |                              |                             |            |
|                      |                                  |                                   | <u>1</u>                     | 1<br>1<br>2                  | 1<br>2<br>1                  | 1                                       | 3                                  | 5                                  | 6<br>1                             | 1                                  |                              |                             |            |
|                      |                                  |                                   | 5                            |                              |                              | 4                                       | 100                                | 3                                  | 905                                | 100                                |                              |                             |            |
|                      |                                  | 5<br>5                            | 13<br>13                     | 31<br>24                     | 57<br>47                     | 76<br>67                                | 133<br>108                         |                                    | 225<br>239                         | 183<br>238                         | 21<br>28                     | 1 3                         |            |
|                      |                                  |                                   |                              |                              | LASTI                        | NG D                                    | EPAR'                              | rmen'                              | г.                                 |                                    |                              |                             |            |
|                      |                                  |                                   |                              |                              |                              |   |                                    |                                    |                                    |                                    |                              |                             |            |
|                      |                                  |                                   |                              |                              |                              |   |                                    |                                    |                                    |                                    |                              |                             |            |
|                      |                                  |                                   | 2                            | 2<br>1                       | 2<br>1                       | 4                                       | 3                                  | 7                                  | 10<br>2                            | 9<br>19                            | 5                            | i                           | 1          |
|                      |                                  |                                   |                              |                              |                              | 1                                       | 3<br>4                             | 10<br>4                            | 6<br>5                             | 7<br>10                            | 3 7                          | i                           |            |
|                      |                                  |                                   |                              |                              | 1<br>1                       | - · · · · · · · · · · · · · · · · · · · | 10<br>2                            | 18<br>12                           | 34<br>23                           | 84<br>72                           | 21<br>35                     | 8                           | 3          |
|                      |                                  |                                   |                              |                              | 1                            |   | 2                                  | 5<br>2                             | 2<br>3                             | 7<br>6                             | ······ <sub>2</sub>          | 1                           |            |
|                      |                                  |                                   | 4<br>1                       | 6<br>  7                     | 9                            | 10<br>11                                | 7<br>19                            |                                    | 23<br>27                           | 28<br>11                           | 1<br>4                       |                             |            |
|                      |                                  |                                   |                              |                              |                              | 2                                       | 5<br>3                             | 5                                  | 14                                 | 9                                  |                              |                             | : :        |
|                      |                                  |                                   |                              |                              |                              |   | 1                                  | 2                                  | 7<br>5                             | 7<br>9                             | 1                            |                             |            |
|                      |                                  | 3                                 | 1                            | 2<br>1                       | 4<br>3                       | 2                                       | 6                                  |                                    |                                    | 26<br>42                           |                              |                             |            |
|                      | •                                |                                   |                              |                              | 3                            | 1                                       | 6                                  | 6                                  | 5                                  | 24<br>22                           | 4<br>9                       |                             |            |
|                      |                                  |                                   |                              | <b>.</b>                     |                              |   | i                                  | 6 2                                | 3<br>4                             | 1<br>2                             |                              |                             |            |
|                      |                                  |                                   |                              |                              | 1                            | 2<br>1                                  |                                    | 17<br>8                            | 4<br>5                             | i                                  |                              |                             |            |
|                      |                                  |                                   |                              |                              | 3                            | 4 2                                     |                                    | 5<br>7                             | 3                                  |                                    |                              |                             |            |
|                      |                                  |                                   |                              |                              |                              |   |                                    | 1 2                                | 5<br>4                             |                                    |                              |                             |            |
|                      |                                  | 3                                 | 7                            | 10                           | 21                           | 32                                      | 46                                 | 144                                | 146                                | 202                                | 37                           | 11                          |            |

Table B.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK WEEKLY EARNINGS, IN EACH

|             |   |       | Num-   | Aver-   | Aver-                      | Aver-<br>age<br>full-                 | Empl                              | oyees v                   |     | full-tin<br>vere—                 | ie hour                   | s per |
|-------------|---|-------|--------|---|----------------------------|---------------------------------------|-----------------------------------|---------------------------|-----|-----------------------------------|---------------------------|-------|
| Line<br>No. | Occupation, sex, State, and number of establishments. | Year. | hor of | age<br>full-<br>time<br>hours<br>per<br>week. | rate<br>of<br>wages<br>per | time<br>week-<br>ly<br>earn-<br>ings. | Over<br>48<br>and<br>under<br>51. | 51<br>and<br>under<br>54. | 54. | Over<br>54<br>and<br>under<br>57. | 57<br>and<br>under<br>60. | 60.   |

#### LASTING DEPARTMENT-Continued.

|   |                                     | MSI.         | ING DE     | ran.           | T MTEN         | ,                  | ontinue   | u.       | ,          | ,          |          |   |
|---|-------------------------------------|--------------|------------|----------------|----------------|--------------------|-----------|----------|------------|------------|----------|---|
|   | PULLERS-OVER, HAND,                 |              |            |                |                |                    |           |          |            |            |          |   |
| Į | Illinois:                           |              |            |                | l              |                    | 1         |          |            |            | 1        | İ |
|   | 3 establishments                    | 1914<br>1916 | 86<br>92   | 55. 0<br>54. 7 | \$0.372<br>388 | \$20, 46<br>21, 26 |           | 8        |            | 86<br>84   |          | ļ |
|   | Massachusetts:<br>10 establishments | 1914         | 283        | 54. 3          | .374           | ĺ                  | ,         | 38       | i          | í          |          |   |
|   | Missouri:                           | 1916         | 186        | 54. 1          | . 351          |                    |           | 39       |            | 34         |          |   |
|   | 2 establishments                    | 1914<br>1916 | 12<br>12   | 54. 7<br>56. 5 | . 383<br>. 378 | 21. 12<br>21. 33   |           |          | 4<br>6     | 8          | 6        |   |
|   | New York:<br>5 establishments       | 1914<br>1916 | 34<br>40   | 52. 9<br>53. 3 | .338           | 17. 87<br>19. 68   |           | 14<br>13 | 16<br>21   | 2 5        |          |   |
|   | Ohio:<br>3 establishments           | 1914         | 43         | 55. 0          | . 350          | 19. 27             |           |          |            | 43         |          |   |
| l | Pennsylvania:<br>4 establishments   | 1916<br>1914 | 29<br>62   | 55. 0<br>57. 2 | . 361          | 19. 83<br>16. 29   |           |          | 4          | 29<br>11   |          |   |
|   | Other States:                       | 1916         | 63         | 57. 2          | . 292          | 16. 75             |           |          | 8          | 6          |          |   |
|   | 3 establishments                    | 1914<br>1916 | 17<br>7    | 56. 0<br>57. 0 |                | 16. 03<br>18. 99   |           |          |            | 12<br>3    |          |   |
|   | Total:<br>30 establishments         | 1914         | 537        | 54. 8          | . 357          | 19. 52             |           | 52       | 173        | 258        | 52       |   |
|   |                                     | 1916         | 429        | 54. 8          | . 353          | 19. 33             |           | 60       | 148        | 161        | 59       |   |
|   | PULLERS-OVER, MA-<br>CHINE, MALE.   |              |            |                |                |                    | 1         |          |            |            |          |   |
| l | Illinois:<br>2 establishments       | 1914         | 17         | 55. 0          | . 348          | 19. 14             |           |          | <br>       | 17         |          |   |
|   | Maine:                              | 1916         | 19         | 53. 3          | .370           | 19. 68             |           | 11       |            | 8          | ı        |   |
|   | 4 establishments                    | 1914<br>1916 | 29<br>33   | 57. 7<br>58. 1 | . 336<br>. 364 | 19. 42<br>21. 17   |           |          |            | 3          | 26<br>33 |   |
|   | Massachusetts:<br>15 establishments | 1914<br>1916 | 125<br>122 | 54. 3<br>54. 4 | . 395          | 21. 49<br>23. 95   |           | 7<br>5   | 81<br>83   | 37<br>34   |          |   |
|   | Minnesota:<br>3 establishments      | 1914         | 14         | 59. 6          | . 312          | 18. 58             |           |          |            |            | 6        |   |
|   | Missouri:<br>8 establishments       | 1916<br>1914 | . 15<br>58 | 60. 0<br>57. 1 | .343           | 20. 58<br>18. 59   |           |          | 15         | 9          | 34       |   |
|   | New Hampshire:                      | 1914         | 56<br>56   | 56. 5          | .347           | 18. 59             |           |          | 28         |            | 28       |   |
|   | 4 establishments                    | 1914<br>1916 | 38<br>52   | 55. 0<br>55. 0 | . 309<br>. 296 |                    |           |          |            | 38<br>52   |          |   |
|   | New York:<br>10 establishments      | 1914<br>1916 | 53<br>59   | 53. 0<br>52. 9 | . 341          | 17. 99<br>21. 55   | 8<br>11   | 23<br>24 | 8          | 14<br>20   |          |   |
|   | Ohio:<br>5 establishments           | 1916         | 35         | 56. 5          | . 389          | 21. 55             | 11        | 24       | 4          | 20         | 13       |   |
|   | Pennsylvania:                       | 1916         | 28         | 56. 6          | . 419          | 23. 75             |           |          |            | 17         |          |   |
|   | 4 establishments                    | 1914<br>1916 | 9          | 54. 9<br>54. 9 | . 278<br>. 298 | 15. 22<br>16. 33   |           | <br>     | 4          | 5<br>5     |          |   |
|   | Wisconsin:<br>2 establishments      | 1914<br>1916 | 10<br>10   | 60. 0<br>59. 0 | .343           | 20.60<br>18.23     |           |          |            | <u>2</u>   |          |   |
|   | Other States:<br>6 establishments   | 1914<br>1916 | 22<br>18   | 57. 9<br>56. 8 | .311           | 17. 94<br>20. 24   |           |          |            | 6<br>10    | 16<br>8  |   |
|   | Total:                              |              |            |                |                |                    |           |          |            |            |          |   |
| 1 | 63 establishments                   | 1914<br>1916 | 410<br>421 | 55. 6<br>55. 3 | . 353<br>. 382 | 19.56<br>21.08     | · 8<br>11 | 30<br>40 | 108<br>119 | 151<br>148 | 95<br>80 |   |

|                      | <u> </u>                         |                                   | Em                           | ployees                               | whose                                   | rates of                             | wages p                      | er hour                            | were                               |                                    |                                    | <del></del>        |                                       |
|----------------------|----------------------------------|-----------------------------------|------------------------------|---------------------------------------|---|--------------------------------------|------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|--------------------|---------------------------------------|
| Under<br>6<br>cents. | 6<br>and<br>under<br>8<br>cents. | 8<br>and<br>under<br>10<br>cents. | and<br>under<br>12<br>cents. | and<br>under<br>14<br>cents.          | and<br>under<br>16<br>cents.            | 16<br>and<br>under<br>18<br>cents.   | and<br>under<br>20<br>cents. | 20<br>and<br>under<br>25<br>cents. | 25<br>and<br>under<br>30<br>cents. | 30<br>and<br>under<br>40<br>cents. | 40<br>and<br>under<br>50<br>cents. | 50 cents and over. | Line<br>No.                           |
|                      |                                  |                                   | (                            | LAST                                  | ING D                                   | EPAR                                 | TMEN                         | T-Con                              | tinued.                            |                                    |                                    | ,                  | · · · · · · · · · · · · · · · · · · · |
|                      |                                  |                                   |                              |                                       |   |                                      |                              |                                    |                                    |                                    |                                    |                    |                                       |
|                      |                                  |                                   |                              |                                       |   |                                      | i                            | 3                                  | 15<br>6                            | 35<br>48                           | 31<br>33                           | 2<br>4             | 1 2                                   |
|                      |                                  |                                   |                              |                                       |   | 2                                    | 5                            | 27<br>16                           | 32<br>29                           | 124<br>98                          | 57<br>37                           | 36<br>6            | 3 4                                   |
|                      |                                  |                                   |                              |                                       |   |                                      |                              |                                    | i                                  | . 8<br>8                           | 4<br>3                             |                    | 5                                     |
|                      |                                  |                                   |                              | <br> <br>                             |   |                                      |                              | 5<br>4                             | 5<br>8                             | 17<br>15                           | 7<br>9                             | 4                  | 7 8                                   |
|                      | <b>.</b>                         |                                   |                              |                                       |   | ·                                    |                              | 4 3                                | 5<br>7                             | 25<br>· 10                         | 7<br>8                             | 2                  | 9<br>10                               |
|                      |                                  | ·····;                            |                              | ·····i                                | $\frac{2}{1}$                           | 4                                    | 2 2                          | 17<br>16                           | 10<br>15                           | 21<br>19                           | 4<br>7                             | 2<br>1             | ŀ                                     |
|                      |                                  |                                   |                              |                                       |   |                                      |                              | 3                                  | 8<br>1                             | 6<br>6                             |                                    |                    | 13<br>14                              |
|                      |                                  |                                   |                              |                                       | 9                                       | 6                                    | 7                            | 50                                 |                                    |                                    | 110                                |                    |                                       |
|                      |                                  | 1                                 |                              | 1                                     | 2<br>1                                  |                                      | 3                            | 59<br>39                           | 75<br>67                           | 236<br>204                         | 97                                 | 42<br>16           | 15<br>16                              |
|                      |                                  |                                   |                              |                                       |   |                                      |                              |                                    |                                    |                                    |                                    | ,                  |                                       |
|                      |                                  |                                   |                              |                                       | 2                                       | <b></b>                              | 1                            | 2                                  | 2                                  | 9<br>8                             | 5<br>6                             | i                  | 17<br>18                              |
|                      | •                                |                                   |                              |                                       |   |                                      |                              | 3<br>1                             | 7<br>8                             | 12<br>13                           | 6<br>8                             | 1<br>3             | 19<br>20                              |
|                      | - <b></b>                        |                                   |                              |                                       |   | 1 1                                  | <u>.</u>                     | 3<br>2                             | 11<br>6                            | 55<br>27                           | <b>41</b><br>55                    | 14<br>30           | 21<br>22                              |
|                      |                                  |                                   |                              | • • • • • • • • • • • • • • • • • • • |   |                                      |                              |                                    | 7<br>4                             | 6                                  | 1<br>2                             | i                  | 23<br>24                              |
|                      |                                  |                                   |                              |                                       | - • • • • • • • • • • • • • • • • • • • | 2                                    | 1<br>1                       | 5<br>11                            | 18<br>10                           | 18<br>15                           | 14<br>17                           | 2                  | 25<br>26                              |
|                      |                                  | <br>                              |                              |                                       | <br>                                    | $\begin{bmatrix} 2\\4 \end{bmatrix}$ | 4                            | 6                                  | 7<br>9                             | 17<br>14                           | 6<br>5                             | 3                  | 27<br>28                              |
|                      |                                  |                                   |                              |                                       | 1                                       | 1                                    |                              | 3 2                                | 9<br>4                             | 30<br>25                           | 16                                 | 1<br>12            | 29                                    |
|                      |                                  |                                   |                              |                                       |   | 1                                    |                              | 4                                  | 2<br>1                             | 13<br>10                           | 9<br>11                            | 6<br>5             | ł                                     |
|                      |                                  |                                   |                              |                                       |   |                                      |                              | 4 2                                | 2<br>3                             | 3 4                                |                                    |                    | 33<br>34                              |
|                      |                                  |                                   |                              |                                       |   |                                      | 1                            | i                                  | 2<br>3                             | 4 6                                | 3                                  |                    | 35<br>36                              |
|                      | . <b></b>                        |                                   |                              |                                       |   |                                      |                              | 3                                  | 10                                 | 6 7                                | 1<br>5                             | 2                  |                                       |
|                      |                                  |                                   |                              |                                       |   |                                      |                              | 33                                 | 75                                 | 173                                | 94                                 | 24                 |                                       |
|                      |                                  |                                   |                              | <u> </u>                              | 1 2                                     |                                      | 3<br>6                       | 33                                 | 75<br>55                           | 137                                | 125                                | 58<br>58           | 40                                    |

Table B.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK WEEKLY EARNINGS, IN EACH

|             |   |       | Num-   | Aver-  | Aver-                               | Aver-<br>age<br>full- | Empl | oyees v                   |     | full-tin<br>were—                 | e hour                    | s per |
|-------------|---|-------|--------|--|-------------------------------------|-----------------------|------|---------------------------|-----|-----------------------------------|---------------------------|-------|
| Line<br>No. | Occupation, sex, State,<br>and number of estab-<br>lishments. | Year. | bor of | age<br>full-<br>time<br>hours<br>per<br>week | rate<br>of<br>wages<br>per<br>hour. | time<br>week-<br>ly   | 48   | 51<br>and<br>under<br>54. | 54. | Over<br>54<br>and<br>under<br>57. | 57<br>and<br>under<br>60. | 60.   |

#### LASTING DEPARTMENT-Continued.

|                  |   | LAST         | ING DI           | SPAR           | LIME            | NTC              | ontinue  | ea.       |          |            |          |          |
|------------------|---|--------------|------------------|----------------|-----------------|------------------|----------|-----------|----------|------------|----------|----------|
|                  | SIDE LASTERS, HAND,<br>MALE.                    |              |                  |                |                 |                  |          |           |          |            |          |          |
| $\frac{1}{2}$    | Maine:<br>2 establishments                      | 1914<br>1916 | 10<br>14         | 58. 0<br>58. 0 | \$0.328<br>.294 | \$19.00<br>17.04 |          |           |          |            |          |          |
| 3<br>4           | Massachusetts:<br>2 establishments              | 1914<br>1916 | 82<br>72         | 53. 5<br>53. 5 | . 320<br>. 319  | 17. 13<br>17. 10 |          | 76<br>66  |          |            |          |          |
| $\frac{5}{6}$    | New Hampshire:<br>2 establishments<br>New York: | 1914<br>1916 | 45<br>36         | 55. 0<br>55. 0 | . 208<br>. 242  |                  |          |           |          | 45<br>36   |          |          |
| 7<br>8           | 4 establishments Other States:                  | 1914<br>1916 | <b>6</b> 9<br>44 | 51.6<br>52.6   | . 349<br>. 375  | 17.86<br>19.59   |          |           |          | 12<br>12   |          |          |
| 9<br>10          | 6 establishments                                | 1914<br>1916 | 11<br>13         | 57. 2<br>57. 1 | . 278<br>. 318  |                  |          |           | 1<br>1   | 4<br>6     | 4<br>1   |          |
| 11<br>12         | Total:<br>16 establishments                     | 1914<br>1916 | 217<br>179       | 53.6<br>54,2   | . 304           |                  | 31<br>10 |           |          | 61<br>54   | 14<br>15 | 2<br>5   |
|                  | SIDE LASTERS, MACHINE,<br>MALE.                 |              |                  |                |                 |                  |          |           |          |            |          |          |
| 13<br>14         | Massachusetts:<br>5 establishments              | 1914<br>1916 | 68<br>66         | 54.3<br>54.3   | . 369<br>. 361  |                  |          | •••••     | 58<br>56 |            |          |          |
| 15<br>16         | 4 establishments New Hampshire:                 | 1914<br>1916 | 23<br>26         | 56. 4<br>56. 3 | . 348<br>. 301  | 19. 48<br>16. 93 |          |           | 12<br>14 |            | 11<br>12 |          |
| 17<br>18         | 2 establishments                                | 1914<br>1916 | 23<br>26         | 55. 0<br>55. 0 | . 284<br>. 359  | 15. 59<br>19. 73 |          |           |          | 23<br>26   |          |          |
| 19<br>20         | 2 establishments Other States:                  | 1914<br>1916 | 18<br>21         | 53. 1<br>53. 1 | . 334<br>. 313  | 17.63<br>16.58   |          | 8<br>9    |          |            |          |          |
| $^{21}_{22}$     | 4 establishments                                | 1914<br>1916 | 21<br>19         | 57.2<br>56.3   | . 309           | 17.69<br>17.22   |          |           |          | 11<br>14   | 3        | 7<br>5   |
| 23<br>24         | Total:<br>17 establishments                     | 1914<br>1916 | 153<br>158       | 55. 0<br>54. 8 | . 341           | 18.69<br>18.48   |          | 8 9       | 80<br>82 | 44<br>50   | 14<br>12 | 7<br>5   |
|                  | BED-MACHINE OPERA-<br>TORS, MALE.               |              |                  |                |                 |                  |          |           |          |            |          |          |
| 25<br>26         | Illinois: 4 establishments  Maine:              | 1914<br>1916 | 111<br>109       | 55. 0<br>54. 1 | . 304<br>. 353  | 16. 72<br>19. 08 |          | 34        |          | 111<br>75  |          |          |
| 27<br>28         | 4 establishments Massachusetts:                 | 1914<br>1916 | 35<br><b>32</b>  | 58. 0<br>58. 2 | . 350<br>. 359  | 20.30<br>20.93   |          |           |          |            | 35<br>32 |          |
| 29<br>30         | 16 establishments Minnesota:                    | 1914<br>1916 | 455<br>431       | 54.0<br>54.2   | . 332<br>. 383  | 17.97<br>20.72   |          | 100<br>94 |          | 54<br>74   |          |          |
| 31<br>32         | 3 establishments Missouri:                      | 1914<br>1916 | 16<br>33         | 59. 9<br>60. 0 | . 293<br>. 305  | 17.55<br>18.33   |          |           |          |            | 2        | 14<br>33 |
| 33<br>34         | 5 establishments New Hampshire:                 | 1914<br>1916 | 89<br>81         | 56.3<br>57.3   | . 343<br>. 312  | 19. 21<br>17. 83 |          |           | 34<br>28 | 17         | 38<br>53 |          |
| 35<br><b>3</b> 6 | 4 establishments                                | 1914<br>1916 | 138<br>149       | 55. 0<br>55. 0 | . 245<br>. 299  | 13.49<br>16.45   |          |           |          | 138<br>149 |          |          |
| 37<br>38         | 3 establishments                                | 1914<br>1916 | 19<br>20         | 55. 0<br>55. 0 | . 390<br>. 342  | 21. 45<br>18. 81 |          |           |          | 19<br>20   |          |          |

|                      |                                  |                                   |                              |                              |                              |                                    | wages p                            |                                    |                                    |                                    |                                    |                             | İ          |
|----------------------|----------------------------------|-----------------------------------|------------------------------|------------------------------|------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|-----------------------------|------------|
| Under<br>6<br>cents. | 6<br>and<br>under<br>8<br>cents. | 8<br>and<br>under<br>10<br>cents. | and<br>under<br>12<br>cents. | and<br>under<br>14<br>cents. | and<br>under<br>16<br>cents. | 16<br>and<br>under<br>18<br>cents. | 18<br>and<br>under<br>20<br>cents. | 20<br>and<br>under<br>25<br>cents. | 25<br>and<br>under<br>30<br>cents. | 30<br>and<br>under<br>40<br>cents. | 40<br>and<br>under<br>50<br>cents. | 50<br>cents<br>and<br>over. | Lin<br>No. |
|                      |                                  | ,                                 | ,                            | LAST                         | ING D                        | EPAR                               | TMEN                               | T—Cor                              | itinued.                           |                                    |                                    |                             |            |
|                      |                                  |                                   |                              |                              |                              |                                    |                                    |                                    |                                    |                                    |                                    |                             |            |
|                      |                                  |                                   |                              |                              |                              |                                    |                                    | 3                                  | 2<br>6                             | 8<br>4                             | i                                  |                             |            |
| · • • • • • • •      |                                  |                                   |                              |                              | i                            |                                    | 1                                  | 6 3                                | 21<br>20                           | 47<br>45                           | 7<br>3                             |                             |            |
|                      |                                  | i                                 | ·····i                       | 2<br>2                       | 4                            | 5<br>1                             | 10<br>1                            | 19<br>14                           | 4<br>12                            | 4                                  | 1                                  |                             |            |
|                      |                                  |                                   |                              |                              |                              |                                    | 2                                  | 10<br>4                            | 12<br>10                           | 22<br>12                           | 17<br>11                           | 6<br>7                      |            |
| · · · · · · · ·      |                                  |                                   |                              |                              | 1                            | i                                  |                                    | 2<br>1                             | 4<br>2                             | 4<br>7                             | <u>.</u>                           |                             | 1          |
|                      |                                  | ·····i                            | i                            | 2 2                          | 5                            | 5 2                                | 13                                 | 37<br>25                           | 43<br>50                           | 81<br>72                           | 25<br>17                           | 6 7                         | ]          |
|                      |                                  |                                   |                              |                              |                              |                                    |                                    |                                    |                                    |                                    |                                    |                             | ,          |
|                      |                                  |                                   |                              |                              |                              |                                    |                                    | 3                                  | 6                                  | 37                                 | 18                                 |                             | ١,         |
|                      |                                  |                                   |                              |                              |                              |                                    | 1                                  | 6                                  | 6 3                                | 37<br>36<br>8                      | 18<br>18<br>8                      | 4<br>2                      | l          |
|                      |                                  |                                   |                              | 1                            |                              |                                    |                                    | 2<br>3<br>2                        |                                    | 12<br>7                            | 2                                  |                             | 1          |
|                      |                                  |                                   |                              |                              |                              |                                    | 1                                  | <b></b>                            | 8                                  | 12                                 | 4                                  | 2                           | 1          |
|                      | · · · · · · · · ·                |                                   | •••••                        |                              | 1                            | 3                                  |                                    | 5                                  |                                    | 5<br>4                             | 3<br>5                             | 2                           | 2          |
|                      |                                  |                                   |                              |                              | i                            |                                    | 1                                  | 3<br>1                             | 4                                  | 11<br>10                           | 2                                  |                             | 2 2        |
|                      |                                  |                                   |                              | i                            | 1<br>1                       | 3                                  | 3<br>2                             | 12<br>15                           | 29<br>30                           | 68<br>74                           | 31<br>31                           | 6<br>4                      |            |
|                      |                                  |                                   |                              |                              |                              |                                    |                                    |                                    |                                    |                                    |                                    |                             |            |
|                      |                                  |                                   |                              | 2                            | 5                            | 7                                  | 2 3                                | 15<br>7                            | 27<br>14                           | 34<br>56                           | 16<br>25                           | 3 3                         | 2          |
|                      |                                  |                                   |                              |                              |                              |                                    | ļ                                  | 2                                  |                                    | 16<br>19                           | 8 4                                | 1<br>2                      | 2          |
|                      |                                  |                                   |                              | 2                            |                              | 1                                  | 5<br>3                             | 27<br>23                           | 113                                | 242<br>179                         | 55<br>121                          | 12                          | 2          |
|                      |                                  |                                   |                              | 2                            | <b>.</b>                     |                                    |                                    | 1 1                                | 54<br>9                            | 6                                  |                                    | 48                          | 3          |
|                      |                                  |                                   |                              |                              |                              |                                    | 2                                  | 8                                  | 13                                 | 17<br>58                           | 14                                 | 1                           | 1          |
|                      |                                  |                                   |                              |                              | 3                            | 9                                  | 1<br>16                            | 47                                 | 40                                 | 41<br>23                           | 6                                  |                             | 3 3 3      |
|                      |                                  |                                   |                              | 1                            |                              |                                    | 5                                  | 17                                 | 47                                 | 68                                 | 8                                  |                             |            |

TABLE B.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK WEEKLY EARNINGS, IN EACH

|             |   |       |                                   |   | Aver-                               | Aver-<br>age<br>full- | Employees whose full-time hours per week were— |                           |     |                                   |                           |     |  |
|-------------|---|-------|-----------------------------------|---|-------------------------------------|-----------------------|--|---------------------------|-----|-----------------------------------|---------------------------|-----|--|
| Line<br>No. | Occupation, sex, State, and number of establishments. | Year. | Num-<br>ber of<br>em-<br>ployees. | age<br>full-<br>time<br>hours<br>per<br>week. | rate<br>of<br>wages<br>per<br>hour. | time                  | Over<br>48<br>and<br>under<br>51.              | 51<br>and<br>under<br>54. | 54. | Over<br>54<br>and<br>under<br>57. | 57<br>and<br>under<br>60. | 60. |  |

### LASTING DEPARTMENT-Continued.

|          | 1   | LAST         | ING DE           | PAR'           | TME             | <b>VT</b> C              | ontinue | d.              |             |            |            |             |
|----------|---|--------------|------------------|----------------|-----------------|--------------------------|---------|-----------------|-------------|------------|------------|-------------|
|          | BED-MACHINE OPERA-<br>TORS, MALE—contd.             |              |                  |                |                 |                          |         |                 |             |            |            |             |
| 1<br>2   | New York:<br>8 establishments                       | 1914<br>1916 | 105<br>99        | 53. 1<br>53. 1 | \$0.319<br>.361 | \$16.9 <b>3</b><br>19.15 |         | <b>72</b><br>67 | 18<br>15    | 15<br>17   |            |             |
| 3<br>4   | Ohio:<br>5 establishments                           | 1914<br>1916 | 64<br>57         | 56.7<br>56.9   | .356<br>.386    |                          |         |                 |             | 37<br>30   | 27<br>27   |             |
| 5<br>6   | Pennsylvania:<br>6 establishments                   | 1914<br>1916 | 28<br>27         | 56.4<br>56.6   | .351            | 19.87<br>17.08           |         |                 | 4 3         | 10<br>9    | 14<br>15   |             |
| 7<br>8   | Virginia:<br>3 establishments                       | 1914<br>1916 | 19<br>17         | 59.0<br>59.0   | . 264           | 15.57<br>20.46           |         |                 |             |            | 19<br>17   |             |
| 9<br>10  | Wisconsin:<br>2 establishments                      | 1914<br>1916 | 20<br>25         | 60.0<br>59.2   |                 |                          |         |                 |             | 4          |            | 20<br>21    |
| 11<br>12 | Other States:<br>1 establishment                    | 1914<br>1916 | 14<br>12         | 59. 0<br>55. 0 | . 265<br>. 315  | 15.62<br>17.32           |         |                 |             | 12         | 14         |             |
| 13<br>14 | Total:<br>64 establishments                         | 1914<br>1916 | 1, 113<br>1, 092 | 55.0<br>55.1   | .319<br>.351    | 17.52<br>19.31           |         | 172<br>195      | 357<br>309  | 401<br>390 | 149<br>144 | 34<br>54    |
|          | HAND-METHOD LASTING-<br>MACHINE OPERATORS,<br>MALE. |              |                  |                |                 | <del></del>              |         |                 |             |            |            |             |
| 15<br>16 | Maine:<br>3 establishments:                         | 1914<br>1916 | 33<br>38         | 57. 6<br>58. 0 | .370<br>.402    | 21.33<br>23.35           |         |                 |             | 4          | 29<br>38   |             |
| 17<br>18 | Massachusetts:<br>6 establishments                  | 1914<br>1916 | 95<br>73         | 54.8<br>54.7   | .348<br>.384    | 19.05<br>20.98           |         |                 | 32<br>30    | 63<br>43   |            |             |
| 19<br>20 | Missouri:<br>5 establishments                       | 1914<br>1916 | 67<br>91         | 57.6<br>55.6   | .308<br>.323    | 17.68<br>17.89           |         |                 | 8<br>62     | 13         | 46<br>29   |             |
| 21<br>22 | New Hampshire:<br>2 establishments                  | 1914<br>1916 | · 39             | 55.0<br>55.0   | . 276<br>. 304  |                          |         |                 |             | 39<br>30   |            | · · · · · · |
| 23<br>24 | New York:<br>2 establishments                       | 1914<br>1916 | 46<br>61         | 53.8<br>52.9   | .391<br>.374    | 20.89<br>19.61           |         |                 |             | 38         | 21         |             |
| 25<br>26 | Ohio: 4 establishments                              | 1914<br>1916 | 59<br>47         | 55.7<br>56.1   | .384<br>.372    | 21.38<br>20.84           |         |                 |             | 48<br>34   | 11<br>13   |             |
| 27<br>28 | Pennsylvania:<br>3 establishments                   | 1914<br>1916 | 9<br>13          | 55.1<br>54.8   | .298            | 16.39<br>17.40           |         |                 | 5<br>9      | 3          | 1<br>1     |             |
| 29<br>30 | Other States:<br>7 establishments                   | 1914<br>1916 | 24<br>19         | 59.0<br>58.9   | .300<br>.291    |                          |         |                 |             | 3<br>3     | 9<br>6     | 12<br>10    |
| 31<br>32 | Total:<br>32 establishments                         | 1914<br>1916 | 372<br>372       | 55.9<br>55.4   | .342            |                          |         |                 | 45<br>101   | 173<br>151 | 117<br>87  | 12<br>10    |
|          | TURN LASTERS, HAND, MALE.                           |              |                  |                |                 |                          |         |                 | <del></del> |            |            |             |
| 33<br>34 | Massachusetts:<br>3 establishments<br>Missouri:     | 1914<br>1916 | 75<br>92         | 54. 0<br>54. 3 | .393<br>.405    |                          | <br>    | 35<br>35        | 19<br>14    | 21<br>43   |            |             |
| 35<br>36 | 3 establishments                                    | 1914<br>1916 | 81<br>139        | 54. 4<br>57. 0 | .316<br>.372    | 17. 20<br>21. 33         |         |                 | 49<br>55    | 32         | 84         |             |

| Under 6 and under cents. 8 and under cents. 8 cents. cents. 12 and under lad under lad cents. | 50                      | 50 cents and over. | Line<br>No. |
|--|-------------------------|--------------------|-------------|
|  |                         |                    |             |
| 1 1 1 5 6 21 6 17 10 17 5  |                         |                    | i           |
| 1 1 1 5 6 21 6   | 1                       | 1 1                | İ           |
| A control of the second control of the secon | 2 6<br>6 32             |                    | 1 2         |
| 1 4 8  | 1 18<br>5 18            | 2 7                | 3<br>4      |
| 2 5 1  | 4 6<br>8 2              | 1 2                | 5<br>6      |
| 8 9  | 1 1                     |                    | 7<br>8      |
| 5 5 8  | 6 4<br>5                |                    | 9<br>10     |
| 5 7  | 6 1                     |                    | 11<br>12    |
| 1 3 9 18 28 131 265 46<br>1 1 3 9 7 18 85 197 40   | 9 135<br>6 229          | 5 24<br>66         | 13<br>14    |
|  | -                       |                    |             |
| 2 1  | 10 8                    |                    | 16          |
|  | 80 8<br>7 11<br>67 15   | 1 7                | 16<br>15    |
| 1 2 7 3  | 5 20                    | 8                  |             |
| 1 1 2 20   | 66 5                    | 1                  | 19<br>20    |
| 2 7 6  | 1 1 4                   |                    | 21<br>22    |
| 5 10   | 80 18<br>80 18          | 8 8                | 23<br>24    |
|  | 2 12<br>3 11            | 12<br>8            | 25<br>26    |
| 1 4 3  | 62                      |                    | 27<br>28    |
| 1 4 7  | 8 4                     |                    | 29<br>30    |
| 1 3 5 40 63 1:<br>1 2 2 2 37 63 1:   | 78 63<br>55 78          | 19<br>32           | 31<br>32    |
|  |                         |                    | J <u>_</u>  |
|  | 26 29                   | 8                  | 33<br>34    |
| 1 1 8 13 14  | 35 29<br>26 16<br>12 34 | 9 16<br>6 2        | l           |

Table B.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK, WEEKLY EARNINGS, IN EACH

| Line<br>No. | Occupation, sex, State,<br>and number of estab-<br>lishments. | Year. | Num-<br>ber of<br>em-<br>ployees. | age<br>full-<br>time | age<br>rate | full-<br>time<br>week-<br>ly | Employees whose full-time hours per week were— |                           |     |                                   |                           |     |  |
|-------------|---|-------|-----------------------------------|----------------------|-------------|------------------------------|--|---------------------------|-----|-----------------------------------|---------------------------|-----|--|
|             |   |       |                                   |                      |             |                              | 40   | 51<br>and<br>under<br>54. | 54. | Over<br>54<br>and<br>under<br>57. | 57<br>and<br>under<br>60. | 60. |  |

#### LASTING DEPARTMENT—Concluded.

|          | TURN LASTERS, HAND,<br>MALE—concluded.         |              |            |                |                   |                  |            |                 |            |           |         |
|----------|--|--------------|------------|----------------|-------------------|------------------|------------|-----------------|------------|-----------|---------|
| 1<br>2   | New Jersey:<br>4 establishments<br>New York:   | 1914<br>1916 | 65<br>47   | 55. 0<br>55. 0 | \$0. 288<br>. 318 | \$15.86<br>17.51 |            |                 | 65<br>47   |           |         |
| 3<br>4   | 8 establishments                               | 1914<br>1916 | 226<br>226 | 52. 1<br>52. 7 | .357<br>.357      | 18. 58<br>18. 76 | 75<br>67   |                 | 65<br>93   |           |         |
| 5<br>6   | 3 establishments                               | 1914<br>1916 | 80<br>85   | 57. 0<br>56. 8 |                   |                  | <br>       |                 | 40<br>47   | 40<br>35  | 3       |
| 7<br>8   | Pennsylvania:<br>5 establishments              | 1914<br>1916 | 120<br>137 | 55. 3<br>55. 2 |                   | 15. 22<br>16. 12 |            | 1<br><b>2</b> 2 | 106<br>97  | 13<br>18  |         |
| 9<br>10  | Other States:<br>3-establishments              | 1914<br>1916 | 34<br>7    | 59. 9<br>60. 0 |                   | 15. 44<br>15. 95 |            |                 |            | 3         | 31<br>7 |
| 11<br>12 | Total:<br>29 establishments                    | 1914<br>1916 | 681<br>733 | 54. 4<br>54. 9 |                   | 17. 60<br>19. 46 | 110<br>102 |                 | 329<br>327 | 56<br>137 |         |
|          | TURN SEWERS, MALE.                             |              |            |                |                   |                  |            |                 |            |           |         |
| 13<br>14 | New York:<br>6 establishments<br>Pennsylvania: | 1914<br>1916 | 16<br>16   | 51. 5<br>51. 3 | . 461<br>. 495    | 23.74<br>25.45   | 3          | 1               | 3          |           |         |
| 15<br>16 | 4 establishments                               | 1914<br>1916 | 21<br>24   | 55. 1<br>55. 1 | . 320<br>. 318    |                  |            | 1<br>1          | 19<br>22   |           |         |
| 17<br>18 | Other States:<br>7 establishments              | 1914<br>1916 | 11<br>12   | 55. 3<br>55. 1 | . 466<br>. 472    | 25. 72<br>25. 87 | <br>2<br>3 | 2<br>2          | 5<br>5     |           |         |
| 19<br>20 | Total:<br>17 establishments                    | 1914<br>1916 | 48<br>52   | 53. 9<br>53. 9 |                   |                  | 5<br>6     | 4 3             |            | 3         |         |

### BOTTOMING DEPARTMENT.

|          | GOODYEAR WELTERS,<br>MALE.              |              |          |                |                 |         |   |    |     |      |    |          |
|----------|---|--------------|----------|----------------|-----------------|---------|---|----|-----|------|----|----------|
|          | Illinois:                               |              |          |                |                 | ı       | i |    |     |      |    |          |
| 21       | 4 establishments                        | 1914         | 30       | 55.0           | <b>\$</b> 0.679 | \$37 33 |   |    |     | 30   |    | 1        |
| 22       | 4 6366/Hammenda                         | 1916         | 30       | 54.1           |                 | 33.38   |   | 9  |     | 21   |    |          |
| 22       | Maine:                                  | 1010         | 00       | 01. 1          | . 011           | 00.00   |   |    |     |      |    |          |
| 23       | 4 establishments                        | 1914         | 13       | 58.0           | . 516           | 29, 96  |   |    |     | 1    | 12 | !        |
| 24       | 2 0000000000000000000000000000000000000 | 1916         | 13<br>13 | 58, 2          |                 |         |   |    |     |      | 13 |          |
|          | Massachusetts:                          |              |          |                |                 |         |   |    |     |      |    |          |
| 25       | 17 establishments                       | 1914         | 178      | 54. 1          | . 536           | 29.02   |   | 27 | 118 |      |    | <b>.</b> |
| 26       |   | 1916         | 172      | 54. 1          | . 560           | 30.36   |   | 30 | 114 | 28   |    |          |
|          | Minnesota:                              |              |          |                |                 |         |   |    |     |      |    |          |
| 27       | 3 establishments                        | 1914         | 8        | 59. 6          |                 | 22.90   |   |    |     |      | 3  | 5        |
| 28       |   | 1916         | 11       | 60.0           | . 444           | 26.63   |   |    |     |      |    | 11       |
|          | Missouri:                               | !            |          |                |                 |         |   |    |     | ,    |    |          |
| 29       | 6 establishments                        | 1914         | 38       | 55.8           |                 |         |   |    | 17  | 9    | 12 |          |
| 30       | NT. TT                                  | 1916         | 24       | 57. 1          | . 431           | 24. 54  |   |    | 9   | •••• | 15 |          |
| 01       | New Hampshire:<br>4 establishments      | 1014         | 40       | 55.0           | . 430           | 23, 64  | } |    |     | 40   | }  |          |
| 31<br>32 | 4 establishments                        | 1914<br>1916 | 40<br>43 | 55. 0<br>55. 0 |                 |         |   |    |     | 43   |    |          |
| 3Z       | New York:                               | 1910         | 40       | 90. U          | . 444           | 24.41   |   |    |     | 4-5  |    |          |
| 33       | 8 establishments                        | 1914         | 33       | 53, 2          | . 518           | 27. 59  |   | 21 | 6   | 6    | ļ  | [        |
| 34       | o carabitanidents                       | 1916         | 37       | 53. 1          |                 |         |   | 24 |     | 6    |    |          |
| UX       |   | 1010         | 011      | 00. I          | , , , , ,       | 00.10   |   |    |     | , ,  |    | ۱ا       |

|   |              |                                       |                 |                   |   |   |               |                   |               |              |                 |                             | tents, 8 10 12 14 16 18 20 25 30 40 50 cents |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---|--------------|---------------------------------------|-----------------|-------------------|---|---|---------------|-------------------|---------------|--------------|-----------------|-----------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Under<br>6<br>cents.                    | and<br>under | and<br>under                          | and<br>under    | and<br>under      | and<br>under                            | and<br>under                            | and<br>under  | and<br>under      | and<br>under  | and<br>under | and<br>under    | 50<br>cents<br>and<br>over. | Line<br>No.                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|   |              |                                       |                 | LAST              | ING D                                   | EPAR                                    | TMEN          | T—Con             | icluded.      |              |                 |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|   |              |                                       |                 |                   |   |   |               |                   |               |              |                 |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|   |              |                                       | 2               | •••••             | 3<br>1                                  | 2                                       | 6             | 10<br>2           | 14<br>14      | 28<br>23     | 1<br>5          | 1                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|   |              |                                       |                 | •••••             |   | <sub>i</sub>                            | 3<br>1        | 24<br>25          | 36<br>43      | 96<br>83     | 56<br>53        | 11<br>20                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|   |              |                                       |                 | 1                 | 5                                       | 2                                       | 1             | 17<br>4           | 8<br>11       | 32<br>33     | 10<br><b>22</b> | 4<br>15                     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|   |              |                                       | 2               | 1                 | 2                                       | 3<br>1                                  | 6<br><b>2</b> | 25<br>29          | 48<br>65      | 26<br>30     | 6<br>8          | 1 2                         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|   |              |                                       |                 |                   | 1                                       | i                                       |               | 12<br>1           | 16<br>2       | 5<br>3       |                 |                             | 1  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| • • • • • • • • • • • • • • • • • • •   |              |                                       | 4               | 3                 | 11<br>2                                 | 6<br>5                                  | 24<br>7       | 103<br>84         | 146<br>161    | 239<br>249   | 118<br>151      | 27<br>74                    | ]  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|   |              |                                       |                 |                   |   |   |               |                   |               |              |                 |                             | -  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|   |              |                                       |                 | ••••              | • • • • • •                             |   |               |                   | 1<br>1        | 3            | 7<br>5          | 5<br>6                      | 1  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>.</b>                                |              |                                       |                 |                   |   |   | <sub>i</sub>  | 1                 | 17            | 19<br>3      | <u>2</u>        | 1<br>1                      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| • • • • •<br>• • • •                    |              | · · · · · · · · · · · · · · · · · · · | · · · · · · · · |                   |   | · • • • • • • • • • • • • • • • • • • • |               |                   | 2             | 2<br>1       | 5<br>4          | 4<br>5                      | 1  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|   |              |                                       |                 |                   |   |   | i             | 1                 | 1<br>20       | 24<br>8      | 12<br>11        | 10<br>12                    | 1 2  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|   | J .          | <u> </u>                              |                 | P.O               | TTOR                                    | MNC )                                   | DEPAI         | - TOTAL BOX       | <u> </u>      |              |                 |                             | ·  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|   |              |                                       |                 |                   |   | ling .                                  |               |                   |               |              |                 | <del>,</del>                | Γ_   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|   |              |                                       |                 |                   |   |   |               |                   |               |              |                 |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| · • • • • • • • • • • • • • • • • • • • |              |                                       |                 | · · · · · · · · · | - • • • • • • • • • • • • • • • • • • • |   |               | · · · · · · · · · |               | 2            | 1<br>4          | 29<br>24                    | 2 2  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| • • • • • • • • • • • • • • • • • • •   |              |                                       |                 |                   |   |   |               |                   |               |              | 6<br>7          | 7<br>6                      | 2 2  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| • • • • • • •                           |              |                                       |                 |                   |   |   |               | 5                 | 3             | 8<br>6       | 64<br>34        | 106<br>124                  | 2  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| · · · · · · · ·                         |              |                                       |                 |                   | · · · · · · · · ·                       | •••••                                   |               | ·····i            | $\frac{2}{1}$ | 3<br>1       | 3<br>5          | 3                           | 1 1  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| - <b></b>                               |              |                                       |                 |                   |   |   |               | 1                 | 3             | 9<br>8       | 12<br>6         | 12<br>7                     | 1 3  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| · · · · · · ·                           |              |                                       |                 | i                 |   | •••••                                   | 2             | 1                 | 2<br>3        | 15<br>6      | 8<br>16         | 14<br>15                    | 3  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|   | ļ            |                                       | ·····           |                   |   | <b> </b>                                |               |                   | i             | 9 2          | 8<br>14         | 16<br>20                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Table **B.**—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK WEEKLY EARNINGS, IN EACH

|             |   |       |                                   | Aver-   | Aver-<br>age | Aver-  | Empl | oyees w                   |     | full-tim<br>were—                 | e hour                    | s per |
|-------------|---|-------|-----------------------------------|---|--------------|--|------|---------------------------|-----|-----------------------------------|---------------------------|-------|
| Line<br>No. | occupation, sex, State, and number of establishments. | Year. | Num-<br>ber of<br>em-<br>ployees. | age<br>full-<br>time<br>hours<br>per<br>week. | rate<br>of   | full-<br>time<br>week-<br>ly<br>earn-<br>ings. | 48   | 51<br>and<br>under<br>54. | 54. | Over<br>54<br>and<br>under<br>57. | 57<br>and<br>under<br>60. | 60.   |

#### ROTTOMING DEPARTMENT—Continued

|   | ВС                                   | тто          | MING       | DEPA           | RTM               | ENT-             | -Contir | ued.     |            |            |          |          |
|---|--------------------------------------|--------------|------------|----------------|-------------------|------------------|---------|----------|------------|------------|----------|----------|
| •                                       | GOODYEAR WELTERS,<br>MALE—concluded. |              |            |                |                   |                  |         |          |            |            |          |          |
| $_{2}^{1}$                              | Ohio:<br>6 establishments            | 1914<br>1916 | 34<br>36   | 56. 3<br>56. 0 | \$0. 433<br>. 443 |                  |         |          |            | 23<br>27   | 11<br>9  |          |
| 3<br>4                                  | Pennsylvania:<br>6 establishments    | 1914<br>1916 | 16<br>16   | 56. 3<br>56. 1 |                   | 27. 76<br>24. 25 |         | <b>.</b> | 4<br>4     | 4<br>5     | 8<br>7   |          |
| 5<br>6                                  | Other States:<br>9 establishments    | 1914<br>1916 | 27<br>28   | 58. 2<br>57. 4 | . 449<br>. 450    | 25. 99<br>25. 71 |         |          |            | 7<br>13    | 14<br>8  | 6        |
| 7<br>8                                  | Total:<br>67 establishments          | 1914<br>1916 | 417<br>410 | 55. 1<br>55. 1 | . 506             | 27. 85<br>28. 49 |         | 48<br>63 | 145<br>134 | 153<br>143 | 60<br>52 | 11<br>18 |
|   | ROUGH ROUNDERS,<br>MALE.             |              |            |                |                   |                  |         |          |            |            |          |          |
| 9<br>10                                 | Illinois:<br>4 establishments        | 1914<br>1916 | 20<br>21   | 55. 0<br>54. 3 |                   | 40.36<br>34.99   |         | 5        |            | 20<br>16   |          |          |
| 11<br>12                                | Massachusetts:<br>17 establishments  | 1914<br>1916 | 91<br>86   | 54. 1<br>54. 1 | . 543             | 29. 42<br>30. 84 |         | 17<br>16 | 59<br>56   | 15<br>14   |          |          |
| 13<br>14                                | Missouri:<br>6 establishments        | 1914<br>1916 | 18<br>18   | 55. 9<br>56. 8 | . 501<br>. 401    | 27. 84<br>22. 68 |         |          | 8<br>8     | 4          | 6<br>10  |          |
| 15<br>16                                | New Hampshire:<br>4 establishments   | 1914<br>1916 | 24<br>26   | 55. 0<br>55. 0 |                   | 22. 73<br>25. 03 |         |          |            | 24<br>26   |          |          |
| 17<br>18                                | New York:<br>8 establishments        | 1914<br>1916 | 22<br>24   | 53. 1<br>53. 1 | .476<br>.525      |                  |         | 15<br>17 | 3<br>3     | 4<br>4     |          |          |
| 19<br>20                                | Ohio:<br>6 establishments            | 1914<br>1916 | · 23<br>23 | 56. 0<br>56. 0 |                   | 21. 20<br>21. 74 |         |          |            | 17<br>17   | 6<br>6   |          |
| 21<br>22                                | Pennsylvania:<br>7 establishments    | 1914<br>1916 | 12<br>13   | 55. 3<br>55. 9 |                   | 21.73<br>21.73   |         | 2        | 3<br>4     | 4          | .3       |          |
| 23<br>24                                | Other States:<br>15 establishments   | 1914<br>1916 | 33<br>34   | 58.3<br>57.8   |                   |                  |         |          |            | 7<br>12    | 17<br>11 | 9<br>11  |
| 25<br>26                                | Total:<br>67 establishments          | 1914<br>1916 | 243<br>245 | 55. 1<br>55. 1 | .500              |                  |         | 34<br>38 | 73<br>71   | 95<br>93   | 32<br>32 | 9<br>11  |
|   | GOODYEAR STITCHERS,<br>MALE.         |              |            |                |                   |                  |         |          |            |            |          |          |
| 27<br>28                                | Illinois: 4 establishments  Maine:   | 1914<br>1916 | 43<br>45   | 55. 0<br>54. 1 |                   | 32. 48<br>30. 73 |         | 14       |            | 43<br>31   |          |          |
| 29<br>30                                | 3 establishments                     | 1914<br>1916 | 14<br>15   | 58. 3<br>58. 3 |                   |                  |         |          |            |            | 14<br>15 |          |
| $\begin{array}{c} 31 \\ 32 \end{array}$ | Massachusetts:<br>17 establishments  | 1914<br>1916 | 238<br>231 | 54.1<br>54.2   | . 433<br>. 468    |                  |         | 39<br>33 | 157<br>160 | 42<br>38   |          |          |
| 33<br>34                                | Minnesota:<br>3 establishments       | 1914<br>1916 | 11<br>10   | 59. 5<br>60. 0 |                   |                  |         |          |            |            | 5        | 6<br>10  |
| 35<br>36                                | Missouri:<br>6 establishments        | 1914<br>1916 | 49<br>39   | 56. 0<br>57. 6 |                   |                  |         |          | 20<br>11   | 12         | 17<br>28 |          |
| 37<br>38                                | New Hampshire:<br>4 establishments   | 1914<br>1916 | 58<br>67   | 55.0<br>55.0   |                   |                  |         | ·····    |            | 58<br>67   |          |          |

|                      |                             |   | Em                           | ployees                      | whose                        | rates of                     | wages I                            | er hour                            | were-                              |                                    |                                    |                             |             |
|----------------------|-----------------------------|---|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|-----------------------------|-------------|
| Under<br>6<br>cents. | and<br>under<br>8<br>cents. | 8<br>and<br>under<br>10<br>cents.       | and<br>under<br>12<br>cents. | and<br>under<br>14<br>cents. | and<br>under<br>16<br>cents. | and<br>under<br>18<br>cents. | 18<br>and<br>under<br>20<br>cents. | 20<br>and<br>under<br>25<br>cents. | 25<br>and<br>under<br>30<br>cents. | 30<br>and<br>under<br>40<br>cents. | 40<br>and<br>under<br>50<br>cents. | 50<br>cents<br>and<br>over. | Line<br>No. |
| •                    |                             |   | В                            | отто                         | MING                         | DEPA                         | RTM                                | ENT—(                              | Continue                           | ed.                                |                                    |                             |             |
|                      |                             |   | _                            |                              |                              |                              |                                    |                                    |                                    |                                    |                                    |                             |             |
|                      |                             |   |                              |                              |                              |                              | i                                  | 3<br>4                             | 2<br>1                             | 8<br>11                            | 11<br>6                            | 10<br>13                    | 1 2         |
|                      |                             |   |                              |                              |                              |                              | 1                                  | 1                                  | 4<br>2                             | 1<br>6                             | 2                                  | 10<br>5                     | 3<br>4      |
|                      |                             |   |                              |                              |                              |                              |                                    |                                    | 3                                  | 13<br>7                            | 7<br>10                            | 7<br>8                      | 5<br>6      |
|                      |                             |   |                              | i                            |                              |                              | 1 3                                | 5                                  | 14<br>17                           | 66                                 | 120<br>104                         | 211<br>225                  | 7 8         |
|                      |                             |   |                              |                              |                              |                              |                                    |                                    |                                    |                                    |                                    | -                           |             |
|                      |                             |   |                              |                              |                              |                              | <u>i</u>                           |                                    | i                                  |                                    | 2<br>4                             | 18<br>15                    | 9<br>10     |
|                      |                             |   |                              |                              |                              |                              |                                    | <sub>i</sub>                       | i                                  | 3<br>12                            | 30<br>11                           | 58<br>61                    | 11<br>12    |
|                      |                             |   |                              |                              |                              |                              |                                    | i                                  | 3                                  | 3                                  |                                    | 10<br>1                     | 13<br>14    |
|                      |                             |   |                              |                              |                              | ļ <sub>.</sub>               |                                    |                                    | 2                                  | 6                                  | 15<br>13                           | 1 8                         | l           |
|                      |                             |   |                              |                              |                              | 1                            |                                    |                                    | 1                                  | 11                                 | 4<br>1                             | 6                           | 17          |
|                      |                             |   |                              |                              |                              |                              |                                    | 1                                  | 4                                  | 11<br>11                           | i 1                                | 12<br>4                     |             |
| •••••                |                             | · • • • • • • • • • • • • • • • • • • • |                              |                              |                              |                              |                                    | 2                                  | 5                                  | 8                                  |                                    | 4<br>3                      | l           |
|                      |                             |   |                              |                              |                              | i                            |                                    | 2<br>1                             | 2<br>3                             | 3 3                                | 1 2                                | 3                           | ı           |
|                      |                             |   |                              |                              |                              |                              |                                    | 2                                  | 1<br>1                             | 10<br>7                            | 14<br>14                           | 10                          | 23<br>24    |
|                      |                             |   |                              |                              |                              | 2                            | ·····i                             | 37                                 | 10<br>14                           | 47<br>48                           | 74<br>60                           | 109<br>113                  | 25<br>26    |
|                      |                             |   |                              |                              | ļ                            |                              |                                    |                                    |                                    |                                    |                                    |                             |             |
|                      | <br>                        |   |                              |                              |                              |                              |                                    |                                    | i                                  | 2 3                                | 6 5                                | 35<br>36                    | 27<br>28    |
|                      |                             |   |                              |                              |                              |                              |                                    |                                    |                                    | 5                                  | 7                                  | 20                          | 29          |
|                      |                             |   |                              |                              |                              |                              |                                    |                                    | 1<br>11                            | 11<br>83                           | 3<br>94                            | 50                          | 30<br>31    |
|                      |                             |   |                              |                              |                              |                              |                                    | 6                                  | 11                                 | 35                                 | 103                                | 76                          | 32          |
|                      |                             |   |                              |                              |                              |                              |                                    | 1                                  | 1                                  | 1                                  | 5<br>5                             | 4                           | 1           |
|                      |                             |   |                              |                              |                              | 1                            | ·····i                             | 3                                  | 12<br>8                            | 26<br>18                           | 8<br>9                             | 1                           | 35<br>36    |
|                      |                             |   |                              |                              |                              |                              | 2                                  | 8 7                                | 19<br>10                           | 27<br>41                           | 2 9                                |                             | 37<br>38    |

Table B.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK WEEKLY EARNINGS, IN EACH

|             |   |              | N                                 | Aver-          | Aver-<br>age                        | Aver-  | Empl                              | oyees                     | whose<br>week | full-tin<br>vere—                 | ne hou                    | rs per  |
|-------------|---|--------------|-----------------------------------|----------------|-------------------------------------|--|-----------------------------------|---------------------------|---------------|-----------------------------------|---------------------------|---------|
| Line<br>No. | Occupation, sex, State,<br>and number of estab-<br>lishments. | Year.        | Num-<br>ber of<br>em-<br>ployees. | full-<br>time  | rate<br>of<br>wages<br>per<br>hour. | full-<br>time<br>week-<br>ly<br>earn-<br>ings. | Over<br>48<br>and<br>under<br>51. | 51<br>and<br>under<br>54. | 54.           | Over<br>54<br>and<br>under<br>57. | 57<br>and<br>under<br>60. | 60.     |
|             | В   | отто         | MING                              | DEPA           | RTM                                 | ENT-   | –Contir                           | ued.                      |               |                                   |                           |         |
|             | GOODYEAR STITCHERS,<br>MALE—concluded.                        |              |                                   |                |                                     |  |                                   |                           |               |                                   |                           |         |
| 1<br>2      | New York:<br>8 establishments                                 | 1914<br>1916 | 47<br>53                          | 52. 9<br>53. 0 | \$0.455<br>.454                     |  |                                   | 34<br>36                  | 8<br>10       | 5<br>7                            |                           |         |
| 3<br>4      | Ohio:<br>6 establishments                                     | 1914<br>1916 | 49<br>41                          | 56. 2<br>56. 1 | .329                                |  |                                   |                           |               | 34<br>30                          | 15<br>11                  |         |
| 5<br>6      | Pennsylvania:<br>6 establishments                             | 1914<br>1916 | 22<br>25                          |                | . 399                               | 22.62  |                                   |                           | 5             | 6                                 | 11                        |         |
| 7<br>8      | Other States:<br>8 establishments                             | 1914<br>1916 | 28<br>31                          |                | .384                                |  |                                   |                           |               | 8<br>19                           | 13<br>2                   | 7<br>10 |
| 9<br>10     | Total:<br>65 establishments                                   | 1914<br>1916 | 559<br>557                        | 55. 0<br>55. 0 |                                     | 22. 62<br>23. 76                               |                                   | 73<br>83                  | 190<br>188    | 208<br>198                        | 75<br>68                  |         |
|             | M'KAY SEWERS, MALE.   | ļ            |                                   |                |                                     |  |                                   |                           |               |                                   |                           |         |
| 11<br>12    | Maine:<br>3 establishments                                    | 1914<br>1916 | 17<br>23                          | 57.9<br>58.0   |                                     | 19.57<br>19.73                                 |                                   |                           | 1             | 16                                | 23                        |         |
| 13<br>14    | Massachusetts:<br>6 establishments                            | 1914<br>1916 | 29<br>34                          | 54.7<br>54.7   | .372                                | 20.39<br>22.04                                 |                                   | 5 7                       | 2 2           | 22<br>25                          |                           |         |
| 15<br>16    | Missouri:<br>3 establishments                                 | 1914<br>1916 | 11<br>24                          | 58. 1<br>55. 0 |                                     | 21.16<br>15.39                                 |                                   |                           | 2<br>19       |                                   | 9                         |         |
| 17<br>18    | New Hampshire:<br>2 establishments                            | 1914<br>1916 | 24<br>14                          |                |                                     |  |                                   |                           |               | 24<br>14                          |                           |         |
| 19<br>20    | New York:<br>3 establishments                                 | 1914<br>1916 | 18<br>12                          | 52. 2<br>50. 8 |                                     |  | 8<br>8                            | 2 2                       |               | 8 2                               |                           |         |
| 21<br>22    | Other States:<br>13 establishments                            | 1914<br>1916 | 24<br>29                          |                |                                     | 17.87<br>18.64                                 |                                   |                           | 2 2           | 9<br>10                           | 8<br>5                    | 5<br>12 |
| 23<br>24    | Total:<br>30 establishments                                   | 1914<br>1916 | 123<br>136                        |                | .327<br>.341                        | 18.17<br>18.91                                 | 8<br>8                            | 7 9                       | 7<br>23       | 79<br>51                          | 17<br>33                  | 5<br>12 |
|             | HEELERS, MALE.  |              |                                   |                |                                     |  |                                   |                           |               |                                   |                           |         |
| 25<br>26    | Illinois:<br>3 establishments                                 | 1914<br>1916 | 12<br>13                          |                |                                     |  |                                   |                           |               | 12<br>13                          | <br>                      | <br>    |
| 27<br>28    | Maine:<br>4 establishments                                    | 1914<br>1916 | 12<br>16                          |                |                                     | 27.52<br>23.68                                 |                                   |                           |               | 1                                 | 11<br>16                  |         |
| 29<br>30    | Massachusetts:<br>19 establishments                           | 1914<br>1916 | 97<br>88                          | 54.3           | . 447                               | 24.27  |                                   | 13<br>12                  | 53<br>53      | 31<br>23                          |                           |         |
| 31<br>32    | Missouri:<br>8 establishments                                 | 1914<br>1916 | 33<br>35                          | 56.6<br>56.4   |                                     | 20.77<br>20.84                                 |                                   |                           | 12<br>18      | 5                                 | 16<br>17                  |         |
| 33<br>34    | New Hampshire:<br>6 establishments                            | 1914<br>1916 | 27<br>33                          | 55.0<br>55.0   |                                     |  |                                   |                           |               | 27<br>33                          | <br>                      |         |
|             | New York:   | 1            | 1                                 | I              | į.                                  | 4  | l                                 | ı                         | t             | 1                                 |                           | 1       |

52. 6 52. 6

56.6 56.6

1916

1914 1916

. 446

 $\frac{22.30}{23.40}$ 

30

20 22

35 36

37 38

New York: 10 establishments.

Ohio: 6 establishments.

|                      |                                  |                                   | Emj                          | ployees                      | whose r                      | ates of                            | wages p                            | er hour                            | were—                                  |                                    |                                    |                             |                    |
|----------------------|----------------------------------|-----------------------------------|------------------------------|------------------------------|------------------------------|------------------------------------|------------------------------------|------------------------------------|--|------------------------------------|------------------------------------|-----------------------------|--------------------|
| Under<br>6<br>cents. | 6<br>and<br>under<br>8<br>cents. | 8<br>and<br>under<br>10<br>cents. | and<br>under<br>12<br>cents. | and<br>under<br>14<br>cents. | and<br>under<br>16<br>cents. | 16<br>and<br>under<br>18<br>cents. | 18<br>and<br>under<br>20<br>cents. | 20<br>and<br>under<br>25<br>cents. | 25<br>and<br>under<br>30<br>cents.     | 30<br>and<br>under<br>40<br>cents. | 40<br>and<br>under<br>50<br>cents. | 50<br>cents<br>and<br>over. | Line<br>No.        |
|                      |                                  |                                   | В                            | отто                         | MING                         | DEPA                               | RTMI                               | ENT-C                              | ontinue                                | d.                                 |                                    |                             | ,                  |
|                      | '                                |                                   |                              |                              |                              |                                    |                                    |                                    |  |                                    |                                    |                             |                    |
|                      |                                  |                                   |                              |                              |                              |                                    | 1                                  | 3                                  | 4<br>2                                 | 15<br>18                           | 9<br>18                            | 15<br>15                    | 1 2                |
|                      |                                  |                                   |                              |                              |                              | 1                                  |                                    | 4<br>2                             | 17<br>9                                | 15<br>14                           | 10<br>11                           | 2<br>5                      | 3<br>4             |
|                      |                                  |                                   |                              |                              |                              |                                    | i                                  | 4                                  | 1<br>1                                 | 6<br>7                             | 6<br>6                             | 5<br>6                      | 5<br>6             |
|                      |                                  |                                   |                              |                              |                              |                                    |                                    | 2<br>4                             | 6<br>1                                 | 10<br>15                           | 6<br>6                             | 4<br>5                      | 7<br>8             |
|                      | <br>                             |                                   |                              |                              |                              | 2                                  | 3<br>  2                           | 23<br>26                           | 71<br>44                               | 193<br>163                         | 153<br>175                         | 114<br>147                  | 9                  |
|                      |                                  |                                   |                              |                              |                              |                                    |                                    |                                    |  |                                    |                                    |                             |                    |
|                      |                                  |                                   |                              |                              |                              |                                    |                                    | 2                                  | 2<br>8                                 | 12<br>11                           | 1<br>3                             | i                           | 1                  |
|                      |                                  |                                   |                              |                              |                              |                                    | 1                                  | 1<br>2                             | 1                                      | 13<br>11                           | 7<br>14                            | 2<br>5                      | 1                  |
|                      |                                  |                                   |                              |                              | i                            | i                                  |                                    | 4                                  | 8                                      | 8<br>10                            | 1                                  | 1                           | 16                 |
|                      |                                  |                                   |                              |                              | 1                            | i                                  | 5<br>1<br>1                        | 10<br>3                            | 3<br>5<br>2                            | 5<br>4<br>7                        | 5                                  | 1                           | 17<br>18           |
|                      |                                  |                                   |                              |                              |                              |                                    | 3                                  |                                    |  | 5<br>8<br>15                       | 7                                  | 2                           | 20                 |
|                      |                                  |                                   |                              |                              |                              |                                    | ,                                  |                                    |  |                                    | <u> </u>                           |                             | 1                  |
|                      |                                  |                                   |                              |                              | 1                            | 2                                  | 10<br>1                            | 19<br>11                           | 16<br>32                               | 53<br>56                           | 17<br>27                           | 6                           |                    |
|                      |                                  |                                   |                              |                              |                              |                                    |                                    |                                    |  | 1 2                                | 7                                  | 4                           | 25<br>26           |
|                      |                                  |                                   |                              |                              |                              |                                    |                                    |                                    | ······································ | 2<br>3<br>5                        | i                                  | 4                           | 26<br>1 27<br>1 28 |
|                      |                                  |                                   |                              |                              |                              |                                    | 2                                  | 6 4                                | 6                                      | 29                                 | 19                                 | 37                          | 7 29               |
|                      |                                  |                                   |                              |                              |                              | 2                                  | i                                  | 1 3                                | İ                                      | 1                                  | 8                                  | 1                           |                    |
|                      |                                  |                                   |                              |                              |                              |                                    | 1                                  |                                    | 1                                      | ŀ                                  | ļ                                  | <br>                        | . 33               |
|                      |                                  |                                   |                              |                              |                              |                                    | 1                                  | 4                                  | 4<br>5                                 | 10<br>15                           | 15<br>14                           |                             | 1 35               |
| <u> </u>             | ļ                                |                                   |                              |                              |                              |                                    | 3                                  | 5                                  | 6                                      | 11<br>16                           | 4 5                                | 1                           | 37<br>5 38         |

Table B.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK WEEKLY EARNINGS, IN EACH

|             |   |       | 1                                 |   | Aver- | Aver-  | Empl                              | oyees v                   |     | full-tin<br>were—                 | ne hour                   | s per |
|-------------|---|-------|-----------------------------------|---|-------|--|-----------------------------------|---------------------------|-----|-----------------------------------|---------------------------|-------|
| Line<br>No. | Occupation, sex, State, and number of establishments. | Year. | Num-<br>ber of<br>em-<br>ployees. | age<br>full-<br>time<br>hours<br>per<br>week. | rate  | full-<br>time<br>week-<br>ly<br>earn-<br>ings. | Over<br>48<br>and<br>under<br>51. | 51<br>and<br>under<br>54. | 54. | Over<br>54<br>and<br>under<br>57. | 57<br>and<br>under<br>60, | 60.   |

#### BOTTOMING DEPARTMENT—Continued.

| Wisconsin: 2 establishments.   1914   10   60.0   336   20.15  | Pennsylvania: 7 establishments 1914 16 56.1 \$0.394 \$22.25 |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Total:   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3  | 4   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total:   | 10  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total:   T | 4<br>10   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| SHAVERS, MALE.   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 11         3 establishments         1914         11         58. 2         398 23. 16         1         1           13         Massachusetts:         1914         18         82         373 21.71         1         1           14         Massachusetts:         1914         82         54. 2         456 24.74         22         37 23         21           15         8 establishments         1914         21         56. 3         363 20.35         8         4           16         1916         29         55. 9         393 21.94         18         1           16         New Hampshire:         6 establishments         1914         20         55. 0         334 18. 36         20         20           18         1916         22         55. 0         334 19. 45         22         22           19         10 establishments         1914         31         52. 6         496 26.15         6         15         3         7           20         10ic         6 establishments         1914         26         56. 5         364 20. 49         16         1           21         6 establishments         1914         26         56. 5         364 20. 49  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 13         19 establishments         1914         82         54. 2         4.66         24. 74         22         37         23         11           4         Missouri:         8 establishments         1914         21         56. 3         363         20. 35         8         4         4           16         New Hampshire:         1916         29         55. 9         393         21. 94         18         1         1         18         1         18         1         18         1         18         1         18         1         18         1         20         18         1         18         1         18         1         18         1         20         18         1         18         1         18         1         20         18         1         18         1         18         1         20         18         1         18         1         20         18         1         20         18         1         20         18         1         20         18         1         18         1         19         19         18         1         18         1         1         19         18         1         1  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Missouri:         8 establishments.         1914         21         56.3         363         20.35         8         4           16         New Hampshire:         6 establishments.         1914         20         55.9         393         21.94         18         1           17         6 establishments.         1914         20         55.0         334         18.36         20         20           18         1916         22         55.0         334         19.45         22         22         22           19         10 establishments.         1914         31         52.6         496         26.15         6         15         3         7           20         Ohio:         6 establishments.         1914         26         56.5         364         20.49         16         1         1           21         Pennsylvania:         1916         24         56.3         434         20.49         16         1           22         1916         26         55.5         307         17.22         2         19           24         Other States:         12 establishments.         1914         23         58.3         405         23.52  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| New Hampshire:         6 establishments.         1914         20         55.0         334         18.36         20         20           18         New York:         1916         22         55.0         334         19.45         22         22           19         10 establishments.         1914         31         52.6         496         26.15         6         15         3         7            20         Ohio:         1916         39         52.8         .515         27.16         6         18         5         10            21         6 establishments.         1914         26         56.5         364         20.49         16         1           22         Pennsylvania:         1914         21         55.8         319         18.01         3         12           24         Other States:         1914         21         55.8         319         18.01         3         12           25         12 establishments.         1914         23         58.3         405         23.52         6         6           26         75 establishments.         1914         25         58.1         412         23.83 </td <td></td>   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| New York: 10 establishments 1914   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Ohio: 6 establishments 1914 26 56.5 364 20.49 16 1 22 Pennsylvania: 7 establishments 1914 21 55.8 319 18.01 3 12 24 Other States: 12 establishments 1914 23 58.3 405 23.52 6 6 26 Total: 7 5 establishments 1914 22 58 55.2 428 23.54 6 37 51 111 4 28 75 establishments 1914 28 55.0 454 24.92 6 49 64 112 4  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Pennsylvania: 7 establishments. 1914 21 55.8 319 18.01 3 12 24 Other States: 12 establishments. 1914 23 58.3 405 23.52 6  Total: 7 festablishments. 1914 258 55.2 428 23.54 6 37 51 111 4 28 75 establishments. 1916 284 55.0 .454 24.92 6 49 64 112 4   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 25     12 establishments     1914     23     58.3     405     23.52      6       26     Total:       27     75 establishments     1914     258     55.2     .428     23.54     6     37     51     111     4       28     28     25     55.2     .428     23.54     6     37     51     111     4       28     28     35     35     36     37     37     31     111     4       28     28     35     36     37     36     37     31     111     4       29     37     36     37     37     31     111     4       29     37     36     37     36     37     31     111     4       20     37     36     37     36     37     36     37     36     37     36     37     36     37     36     37     37     36     37     36     37     36     37     36     37     36     37     36     37     36     37     36     37     36     37     36     37     37     37     37     37     37     37     37     37 <td></td>  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 27 75 establishments 1914 258 55.2 428 23.54 6 37 51 111 4 1916 284 55.0 454 24.92 6 49 64 112 4   | 9<br>13   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| HEEL BREASTERS, MALE.  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Massachusetts: 19 establishments 1914 50 54.2 .339 18.39 11 25 14 30 Massachusetts: 1914 50 54.2 .336 19.29 13 27 16   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Missouri: 31 8 establishments 1914 17 56.8 .286 16.08 5 3 32 1916 22 56.5 .256 14.52 11 11   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| New Hampshire:  6 establishments 1914 14 55.0 .247 13.58   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| New York: 9 establishments 1914 17 52.9 .351 18.56 2 9 2 4 1916 20 52.6 .329 17.29 3 11 2 4  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Ohio:<br>37 5 establishments   1914   17 56.4 .291 16.29   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |

|   |                                  |                                   | Emp                                | oloyees                            | whose r                      | ates of                            | wages p                            | er hour                            | were—                              |                                    |                                    |                             |           |
|---|----------------------------------|-----------------------------------|------------------------------------|------------------------------------|------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|-----------------------------|-----------|
| Under<br>6<br>cents.                    | 6<br>and<br>under<br>8<br>cents. | 8<br>and<br>under<br>10<br>cents. | 10<br>and<br>under<br>12<br>cents. | 12<br>and<br>under<br>14<br>cents. | and<br>under<br>16<br>cents. | 16<br>and<br>under<br>18<br>cents. | 18<br>and<br>under<br>20<br>cents. | 20<br>and<br>under<br>25<br>cents. | 25<br>and<br>under<br>30<br>cents. | 30<br>and<br>under<br>40<br>cents. | 40<br>and<br>under<br>50<br>cents. | 50<br>cents<br>and<br>over. | Lir<br>No |
|   |                                  |                                   | В                                  | отто                               | MING                         | DEPA                               | RTMI                               | ENT—C                              | ontinue                            | ed.                                |                                    |                             | ·         |
|   |                                  |                                   |                                    |                                    |                              |                                    |                                    |                                    |                                    |                                    |                                    |                             |           |
|   |                                  |                                   |                                    |                                    |                              |                                    | i                                  | 4<br>5                             | 4<br>4                             | 1<br>5                             | 3<br>2                             | 4                           |           |
|   |                                  |                                   |                                    | <b></b>                            |                              |                                    |                                    | 3<br>1                             | i                                  | 4 2                                | 3<br>4                             | i                           |           |
|   |                                  |                                   |                                    | i                                  |                              |                                    |                                    | 1                                  | 3<br>2                             | 6<br>11                            | 6<br>5                             | 4                           |           |
|   |                                  | *                                 |                                    |                                    |                              | 2                                  | 5                                  | 34                                 | 34                                 | 86                                 | 71                                 | .73                         |           |
|   | <u></u>                          |                                   |                                    | 1                                  |                              |                                    | 4                                  | 21                                 | 28                                 | 115                                |                                    | 91                          |           |
| :                                       |                                  |                                   |                                    |                                    |                              |                                    |                                    |                                    |                                    | 2                                  | 6                                  | 15                          |           |
|   |                                  |                                   |                                    |                                    |                              |                                    |                                    | 1                                  |                                    | 1                                  | 3                                  | 15<br>17                    | 1         |
| • • • • • •                             |                                  |                                   |                                    |                                    |                              | i                                  |                                    |                                    | 1<br>1                             | 4<br>7                             | 6<br>3                             | 1                           | 1         |
|   |                                  |                                   |                                    |                                    |                              | ] <b>-</b>                         | 1                                  | 2<br>1                             | 4<br>1                             | 20<br>15                           | 34<br>30                           | 21<br>37                    |           |
|   |                                  |                                   |                                    | i                                  |                              |                                    |                                    | $\frac{4}{2}$                      | 1<br>3                             | 8<br>7                             | 4<br>13                            | 4<br>3                      |           |
|   |                                  |                                   |                                    |                                    |                              |                                    |                                    | 1<br>1                             | 6<br>5                             | 9<br>10                            | 4<br>5                             | i                           |           |
|   |                                  |                                   |                                    |                                    |                              |                                    |                                    |                                    | 2<br>6                             | 12<br>8                            | 5<br>3                             | 12<br>22                    |           |
|   |                                  |                                   |                                    | <br>                               |                              |                                    |                                    | 3                                  | 2                                  | 15<br>14                           | 5<br>4                             | 1<br>6                      |           |
|   | : <b></b>                        |                                   |                                    | 1<br>1                             | 1 2                          | 4                                  |                                    | 4<br>8                             | 3<br>8                             | 1<br>2                             | 3<br>1                             | 4                           |           |
|   |                                  |                                   |                                    |                                    |                              |                                    |                                    | 1<br>1                             | 3<br>2                             | 8<br>10                            | 8<br>7                             | 3                           |           |
|   |                                  |                                   |                                    | 1 2                                | 1 2                          | 4                                  | 1                                  | 15                                 | 22<br>26                           | 79<br>74                           | 75<br>69                           | 60<br>96                    |           |
|   |                                  |                                   |                                    |                                    |                              | 1                                  |                                    | 14                                 |                                    |                                    |                                    | 90                          |           |
| •••••                                   |                                  |                                   |                                    |                                    |                              | 2                                  | 1                                  | 8 2                                | 11<br>5                            | 15<br>34                           | 8<br>10                            | 5                           | <br>      |
| • |                                  |                                   |                                    |                                    |                              | 2 3                                |                                    | 2                                  | i                                  | 5                                  | 2                                  |                             |           |
| ••••                                    |                                  |                                   |                                    |                                    |                              | 1                                  | 2                                  | l                                  |                                    | 2                                  |                                    |                             |           |
|   |                                  |                                   |                                    |                                    |                              | 1                                  | 1                                  | l                                  | ì                                  | 5<br>8                             | 5                                  |                             | 1         |
|   |                                  |                                   |                                    |                                    |                              | 1                                  |                                    | 1<br>2<br>3<br>4                   |                                    |                                    | 4                                  |                             |           |

 $5620^{\circ}$ —18—Bull, 232——6

Table B.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK WEEKLY EARNINGS, IN EACH

|             |   |       | i :                               | Aver-<br>age  | Aver-                               | Aver-  | Emple                             | oyees v                   | vhose i |                                   | e hour                    | s per |
|-------------|---|-------|-----------------------------------|---------------|-------------------------------------|--|-----------------------------------|---------------------------|---------|-----------------------------------|---------------------------|-------|
| Line<br>No. | Occupation, sex, State,<br>and number of estab-<br>lishments. | Year. | Num-<br>ber of<br>em-<br>ployees. | full-<br>time | rate<br>of<br>wages<br>per<br>hour. | full-<br>time<br>week-<br>ly<br>earn-<br>ings. | Over<br>48<br>and<br>under<br>51. | 51<br>and<br>under<br>54. | 54.     | Over<br>54<br>and<br>under<br>57. | 57<br>and<br>under<br>60. | 60.   |

#### ROTTOMING DEPARTMENT—Continued

|          | BOTTOMING DEPARTMENT—Continued.  HEEL BREASTERS, MALE—concluded |              |            |                |                   |                  |          |          |            |            |            |          |  |  |  |
|----------|---|--------------|------------|----------------|-------------------|------------------|----------|----------|------------|------------|------------|----------|--|--|--|
|          | HEEL BREASTERS,<br>MALE—concluded.                              |              |            |                |                   |                  |          |          |            |            |            |          |  |  |  |
| 1<br>2   | Pennsylvania:<br>7 establishments                               | 1914<br>1916 | 13<br>17   | 55. 5<br>55. 8 | \$0. 207<br>. 234 | \$11.54<br>13.18 |          | ·<br>    | 3          | 7<br>9     | 3<br>5     |          |  |  |  |
| 3<br>4   | Other States:<br>16 establishments                              | 1914<br>1916 | 29<br>32   | 57.3<br>55.4   | . 282<br>. 314    | 16.08<br>17.85   |          | 3        |            | 12<br>10   | 13<br>9    | 10<br>10 |  |  |  |
| 5<br>6   | Total:<br>70 establishments                                     | 1914<br>1916 | 157<br>176 | 55. 3<br>54. 9 | . 300             | 16. 51<br>17. 30 | 2<br>3   | 20<br>27 | 35<br>43   | 65<br>74   | 31<br>19   | 10<br>10 |  |  |  |
|          | EDGE TRIMMERS, MALE.  |              |            |                |                   |                  |          |          |            |            |            |          |  |  |  |
| 7<br>8   | Illinois: 4 establishments  Maine:                              | 1914<br>1916 | 47<br>45   | 55. 0<br>54. 0 | . 533<br>. 553    | 29. 34<br>29. 87 |          | 15       |            | 47<br>30   |            |          |  |  |  |
| 9<br>10  | 4 establishments  Massachusetts:                                | 1914<br>1916 | 40<br>43   | 57. 8<br>58. 1 | .397<br>.400      | 23, 00<br>23, 24 |          |          |            | 4          | 36<br>43   |          |  |  |  |
| 11<br>12 | 19 establishments   | 1914<br>1916 | 324<br>303 | 54. 2<br>54. 2 | . 409<br>. 464    | 22. 18<br>25. 18 |          | 59<br>56 | 178<br>169 | 87<br>78   |            |          |  |  |  |
| 13<br>14 | 8 establishments New Hampshire:                                 | 1914<br>1916 | 70<br>85   | 56. 5<br>56. 4 | . 376<br>. 357    | 21. 11<br>20. 12 |          |          | 24<br>44   | 13         | 33<br>41   |          |  |  |  |
| 15<br>16 | 6 establishments New Jersey:                                    | 1914<br>1916 | 88<br>99   | 55. 0<br>55. 0 | . 351<br>. 387    | 19. 31<br>21. 28 |          |          |            | 88<br>99   | <br>       |          |  |  |  |
| 17<br>18 | 4 establishments New York:                                      | 1914<br>1916 | 12<br>10   | 55. 0<br>55. 0 | . 496<br>. 547    | 27. 28<br>30. 10 |          |          |            | 12<br>10   |            |          |  |  |  |
| 19<br>20 | 10 establishments Ohio:   | 1914<br>1916 | 94<br>93   | 52. 7<br>52. 8 | . 429<br>. 445    | 22, 57<br>23, 43 | 19<br>16 |          | 10<br>13   | 24<br>26   |            |          |  |  |  |
| 21<br>22 | 6 establishments Pennsylvania:                                  | 1914<br>1916 | 75<br>71   | 56. 4<br>56. 2 | .348<br>.368      | 19. 57<br>20. 68 |          |          |            | 49<br>49   | 26<br>22   |          |  |  |  |
| 23<br>24 | 7 establishments Virginia:                                      | 1914<br>1916 | 30<br>33   | 55. 7<br>55. 6 | .359<br>.368      | 20. 12<br>20. 59 |          |          | 8<br>8     | 13<br>17   | ·9         |          |  |  |  |
| 25<br>26 | 3 establishments Wisconsin:                                     | 1914<br>1916 | 16<br>14   | 59. 0<br>57. 6 |                   | 17. 53<br>20. 02 |          |          |            | 5          | 16<br>9    |          |  |  |  |
| 27<br>28 | 2 establishments Other States:                                  | 1914<br>1916 | 15<br>16   | 60. 0<br>59. 1 | .334              | 20. 03<br>19. 34 |          |          |            | 3          |            | 15<br>13 |  |  |  |
| 29<br>30 | 4 establishments  | 1914<br>1916 | 16<br>23   | 59. 4<br>58. 3 | . 367<br>. 385    | 21. 81<br>22. 57 |          |          |            | 8          | 10         | 6<br>15  |  |  |  |
| 31<br>32 | Total:<br>77 establishments                                     | 1914<br>1916 | 827<br>835 | 55. 1<br>55. 1 | .398<br>.426      | 21. 90<br>23. 38 |          |          | 220<br>234 | 337<br>325 | 130<br>123 | 21<br>28 |  |  |  |
|          | EDGE SETTERS, MALE. Illinois:                                   |              |            |                |                   |                  |          |          |            |            |            |          |  |  |  |
| 33<br>34 | 4 establishments  | 1914<br>1916 | 50<br>47   | 55. 0<br>54. 1 |                   | 27. 34<br>28. 28 |          | 14       |            | 50<br>33   |            |          |  |  |  |
| 35<br>36 | 4 establishments  | 1914<br>1916 | 34<br>22   | 58. 2<br>58. 2 | .383              | 22. 31<br>23. 74 |          |          |            |            | 34<br>22   |          |  |  |  |
| 37<br>38 | Massachusetts:<br>19 establishments                             | 1914<br>1916 | 283<br>246 | 54. 2<br>54. 3 | . 430<br>. 44¢    | 23. 27<br>24. 18 |          | 62<br>44 | 150<br>132 | 71<br>70   |            |          |  |  |  |
| 39<br>40 | Minnesota:<br>3 establishments                                  | 1914<br>1916 | 11<br>16   | 59. 6<br>60. 0 |                   | 23. 22<br>22. 68 |          |          |            |            | 4          | 7<br>16  |  |  |  |

| i                    |                             |                                   |                              | 7                                     |                              |                              |                              |                                    |                                    |                                    |                                    |                             | I _          |
|----------------------|-----------------------------|-----------------------------------|------------------------------|---------------------------------------|------------------------------|------------------------------|------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|-----------------------------|--------------|
| Under<br>6<br>cents. | and<br>under<br>8<br>cents. | 8<br>and<br>under<br>10<br>cents. | and<br>under<br>12<br>cents. | and<br>under<br>14<br>cents.          | and<br>under<br>16<br>cents. | and<br>under<br>18<br>cents. | and<br>under<br>20<br>cents. | 20<br>and<br>under<br>25<br>cents. | 25<br>and<br>under<br>30<br>cents. | 30<br>and<br>under<br>40<br>cents. | 40<br>and<br>under<br>50<br>cents. | 50<br>cents<br>and<br>over. | Line<br>No.  |
|                      |                             |                                   | В                            | отто                                  | MING                         | DEPA                         | RTMI                         | ENT—C                              | Continue                           | ed.                                |                                    |                             |              |
|                      |                             |                                   |                              |                                       |                              |                              |                              | _                                  | ,                                  |                                    |                                    |                             |              |
|                      |                             |                                   | 2                            | 3                                     | 2<br>5                       | 1 2                          | 1                            | 5<br>1                             | 1<br>3<br>5                        |                                    | 1<br>2<br>3                        |                             | 2            |
|                      |                             |                                   |                              | 1                                     | 3                            | 1                            | î                            | 6                                  | <u>ž</u>                           | 8                                  |                                    | 1                           | 4            |
|                      |                             |                                   | 2                            | 4                                     | 5<br>8                       | 10<br>8                      | 8<br>6                       | 30<br>20                           | 30<br>27                           | 48<br>70                           | 19<br>28                           | 5<br>5                      |              |
|                      |                             | <br>                              |                              |                                       |                              |                              |                              | 1                                  | 2                                  | 10                                 | 10                                 | 24                          | ,            |
|                      |                             |                                   |                              |                                       |                              |                              |                              | 3 3                                | 2<br>2<br>5<br>5                   | 2                                  | 14<br>8                            | 27                          | 2<br>8<br>10 |
| · · · · · · · · ·    |                             |                                   |                              | i                                     | 1<br>2                       | 3                            | 2 2                          | 8<br>6                             |                                    | 11<br>114<br>78                    | 18<br>115<br>89                    | 5<br>54<br>115              | 1            |
| •••••                |                             |                                   |                              |                                       | 1                            | 2                            |                              | 27                                 |                                    | 32<br>44                           |                                    | 10                          | 13           |
|                      |                             |                                   |                              |                                       |                              |                              | i                            | 4                                  | 16<br>11                           | 42<br>40                           | 26<br>41                           | 5                           | 18           |
|                      |                             |                                   |                              |                                       |                              |                              | i                            |                                    | 2                                  | 1                                  | <b>I</b> 1                         | 6<br>6                      | 18           |
|                      | •••••                       |                                   |                              |                                       |                              |                              |                              | 5<br>5                             | 3                                  | 27                                 |                                    | 26<br>28                    | 20           |
|                      |                             | •                                 |                              |                                       | 1                            |                              | 2<br>1                       | 5<br>3<br>3<br>3                   |                                    | 9                                  | 6                                  | 1<br>5<br>3                 | 22           |
|                      | •••••                       |                                   |                              | • • • • • • • • • • • • • • • • • • • |                              |                              | 1                            | 3                                  |                                    |                                    | 3                                  | 7                           | 2:           |
|                      |                             |                                   |                              |                                       |                              |                              |                              | 1                                  | 5 4                                | 9                                  | l                                  |                             | 2°<br>28     |
|                      | <br>                        |                                   | 1                            |                                       |                              |                              | i                            | 2<br>1                             | 1<br>4                             | 9                                  | 3<br>5                             | 1<br>5                      | 29           |
|                      |                             |                                   | ·····i                       | i                                     | 3 2                          | 5                            | 6                            |                                    | 98<br>76                           | 311<br>263                         | 234<br>245                         | 134<br>206                  | 31           |
| <del></del>          |                             |                                   |                              |                                       | =                            | =                            | =                            |                                    |                                    | 3                                  |                                    | 13                          |              |
|                      |                             |                                   |                              |                                       |                              |                              |                              | i                                  | 2                                  | 9                                  | 13                                 | 24                          | 34           |
|                      |                             |                                   |                              |                                       |                              |                              |                              | 1                                  | 11                                 | 105                                | 14<br>117                          | 49                          | 30           |
| •••••                |                             |                                   |                              |                                       |                              |                              | 1                            | 3                                  | 22<br>2<br>2                       | 66                                 | 69                                 | 85                          | 38           |

TABLE B.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK WEEKLY EARNINGS, IN EACH

|             | It and number of estable                                      |       | Num-                      | Aver-   | Aver-                      | Aver-<br>age<br>full-                 | Empl                              | oyees v                   |     | full-tim<br>vere—                 | e hour                    | s per |
|-------------|---|-------|---------------------------|---|----------------------------|---------------------------------------|-----------------------------------|---------------------------|-----|-----------------------------------|---------------------------|-------|
| Line<br>No. | Occupation, sex, State,<br>and number of estab-<br>lishments. | Year. | ber of<br>em-<br>ployees. | age<br>full-<br>time<br>hours<br>per<br>week. | rate<br>of<br>wages<br>per | time<br>week-<br>ly<br>earn-<br>ings. | Over<br>48<br>and<br>under<br>51. | 51<br>and<br>under<br>54. | 54. | Over<br>54<br>and<br>under<br>57. | 57<br>and<br>under<br>60. | 60    |

#### BOTTOMING DEPARTMENT—Continued.

|                         | во  | TTO          | MING E     | EPA.                         | RTM                   | ENT-             | Contin       | ied.       |            |            |            |          |
|-------------------------|---|--------------|------------|------------------------------|-----------------------|------------------|--------------|------------|------------|------------|------------|----------|
|                         | EDGE SETTERS, MALE—                             |              |            |                              |                       |                  |              |            |            |            |            |          |
| 1<br>2                  | Missouri:<br>8 establishments<br>New Hampshire: | 1914<br>1916 | 65<br>78   | 56. 6<br>56. 2               | \$0.387<br>.349       | \$21.75<br>19.66 |              |            | 20<br>43   | 14         | 31<br>35   |          |
| 3<br>4                  | 6 establishments                                | 1914<br>1916 | 72<br>71   | 55. 0<br>55. 0               | .339<br>.369          | 18. 65<br>20. 29 | <b>-</b>     |            |            | 72<br>71   |            |          |
| 5<br>6                  | 4 establishments New York:                      | 1914<br>1916 | 26<br>22   | 55. 0<br>55. 0               | .399<br>.438          |                  |              |            |            | 26<br>22   |            |          |
| 7<br>8                  | 11 establishments                               | 1914<br>1916 | 101<br>103 | 52. 2<br>52. 5               | . 435<br>. 429        |                  |              | 47<br>46   | 9<br>12    | 17<br>21   |            |          |
| 9<br>10                 | 6 establishments Pennsylvania:                  | 1914<br>1916 | 82<br>79   | 56. 5<br>56. 4               | .375<br>.376          |                  |              |            |            | 52<br>51   | 30<br>28   |          |
| 11<br>12                | 7 establishments Virginia:                      | 1914<br>1916 | 56<br>52   | 55. 9<br>55. 9               | .376<br>.395          |                  | <b></b>      |            | 8<br>8     | 29<br>26   | 19<br>18   |          |
| 13<br>14                | 3 establishments Wisconsin:                     | 1914<br>1916 | 15<br>13   | 59.0<br>59.0                 | .308<br>.331          | 19. 52           |              |            |            |            | 15<br>13   |          |
| 15<br>16                | 2 establishments Other States:                  | 1914<br>1916 | 18<br>15   | 60. <b>0</b><br>59. 3        |                       | 19.05<br>18.57   |              |            |            | <u>2</u>   |            | 18<br>13 |
| 17<br>18                | 1 establishment                                 | 1914<br>1916 | 6          | 59. 0<br>55. 0               | .373<br>.354          | 21.99<br>19.45   |              |            |            | 6          |            | 6        |
| 19<br>20                | Total:<br>78 establishments                     | 1914<br>1916 | 819<br>770 | 55. 1<br>55. 1               | . 405<br>. 413        |                  | 28<br>24     | 109<br>104 | 187<br>195 | 331<br>302 | 133<br>116 | 31<br>29 |
|                         | HEEL SCOURERS, MALE.                            |              |            |                              |                       |                  |              |            |            |            |            |          |
| $\frac{21}{22}$         | Illinois: 4 establishments  Maine:              | 1914<br>1916 | 17<br>18   | 55. 0<br>54. 0               | .374                  | 20.55<br>20.18   | <del>-</del> | 6          |            | 17<br>12   |            |          |
| 23<br>24                | 4 establishments Massachusetts:                 | 1914<br>1916 | 14<br>15   | 58. <b>0</b><br>58. <b>1</b> | .360<br>.393          |                  |              |            |            | 1          | 13<br>15   |          |
| 25<br>26                | 19 establishments Minnesota:                    | 1914<br>1916 | 103<br>121 | 54. 2<br>54. 2               | .333<br>. <b>3</b> 72 |                  | <b>.</b>     | 24<br>33   | 52<br>61   | 27<br>27   |            |          |
| 27<br>28                | 3 establishments Missouri:                      | 1914<br>1916 | 9<br>11    | 59. 7<br>60. 0               | .314<br>.372          |                  |              |            |            |            | 3          | 6<br>11  |
| 29<br>30                | 8 establishments New Hampshire:                 | 1914<br>1916 | 39<br>51   | 56. <b>3</b><br>56. 5        | . 242<br>. 287        |                  |              |            | 17<br>26   | 5          | 17<br>25   |          |
| 31<br>32                | 6 establishments New York:                      | 1914<br>1916 | 45<br>37   | 55.0<br>55.0                 | . 250<br>. 269        |                  | <b>-</b>     |            |            | 45<br>37   |            |          |
| 33<br>34                | 10 establishments Ohio:                         | 1914<br>1916 | 45<br>50   | 52. 9<br>53. 2               | .365<br>.402          |                  | 7 4          | 20<br>23   | 3<br>4     | 15<br>19   |            |          |
| 35<br>36                | 6 establishments Pennsylvania:                  | 1914<br>1916 | 35<br>35   | 56. <b>5</b>                 | . 282<br>. 338        |                  |              |            |            | 22<br>26   | 13<br>9    |          |
| 37<br>38                | 7 establishments Other States:                  | 1914<br>1916 | 20<br>22   | 55. 9<br>55. 7               | . 246<br>. 253        |                  |              |            | 6<br>5     | 7<br>11    | 7<br>6     |          |
| <b>39</b><br><b>4</b> 0 | 9 establishments                                | 1914<br>1916 | 24<br>24   | 58. 5<br>57. 7               | . 279<br>. 314        |                  |              |            |            | 5<br>10    |            | 8<br>9   |
| 41<br>42                | Total:<br>76 establishments                     | 1914<br>1916 | 351<br>384 | 55. 0<br>55. 2               |                       |                  |              | 44<br>62   |            |            |            | 14<br>20 |

|                      |                                  |                                   | Emj                                | ployees                      | whose i                      | ates of                            | wages p                      | er hour                            | were-                              |                                    |                                    |                             |             |
|----------------------|----------------------------------|-----------------------------------|------------------------------------|------------------------------|------------------------------|------------------------------------|------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|-----------------------------|-------------|
| Under<br>6<br>cents. | 6<br>and<br>under<br>8<br>cents. | 8<br>and<br>under<br>10<br>cents. | 10<br>and<br>under<br>12<br>cents. | and<br>under<br>14<br>cents. | and<br>under<br>16<br>cents. | 16<br>and<br>under<br>18<br>cents. | and<br>under<br>20<br>cents. | 20<br>and<br>under<br>25<br>cents. | 25<br>and<br>under<br>30<br>cents. | 30<br>and<br>under<br>40<br>cents. | 40<br>and<br>under<br>50<br>cents. | 50<br>cents<br>and<br>over. | Line<br>No. |

### BOTTOMING DEPARTMENT—Continued.

| RC | TTOMING    | DEPARTM   | ENT—Continu                                    | ea.                |   |
|----|------------|---|--|--------------------|---|
|    |            |   |  |                    |   |
|    |            | 4   | 3 8  | 17 21              | 12 1  |
|    |            | 2   | 2 19   |                    | l 1   |
|    |            | i i   | 3 17<br>5                                      | 46 5<br>43 20      | $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ |
|    |            |   | 1 4  | 9 6                | 6 5<br>8 6  |
|    |            |   | 4  | 39 35<br>33 25     | 1 !   |
|    | •••••      | , 2   | 4 7  | 1 1                | 1   |
|    |            | i   | 5 9<br>5 8                                     | 30 33<br>35 22     | 1 1   |
|    |            |   | 2 9<br>3 5                                     | 21 22<br>19 20     | 2 11<br>5 12  |
|    |            |   | 10   | 2 3                | <b>}</b>  |
|    |            |   | 2 4  | 12                 | <b>‡</b>  |
|    | 1          | 1   | 3  | 9 1                | 15  |
|    |            |   |  | 5                  | 17  |
|    |            | $\begin{array}{c c} 1 & 4 \\ 3 & 6 \end{array}$                             | 17 80<br>19 79                                 | 310 299<br>278 220 | 5 112 19  |
|    | 1          | $\begin{bmatrix} 1\\3\\\end{bmatrix} = \begin{bmatrix} 4\\6\\\end{bmatrix}$ | 19 79  | 278 220            | 112 19 164 20   |
|    |            |   | 2 1  |                    | 2 21  |
|    |            | 1   | $\begin{bmatrix} 2 & 1 \\ 3 & 1 \end{bmatrix}$ | 8 . 8              | 1   |
|    |            |   | 1 3  | 7 4                |   |
|    | 2          | 1 3   | 16 21<br>7 16                                  | 38 1'<br>49 4      | 7 5 25<br>3 5 26                                      |
|    |            |   | 1  | 1 1                | 27  |
|    | 2 2        | 4 1   | {  | ł I                | 1 1   |
| 1  | 2 2<br>1 1 | 4 1   | 14 16  | 11                 | 1 1   |
| 1  | 1          | 3 4<br>1 1  | 13 18<br>8 16                                  | 6                  | 31 32   |
|    |            | 1 1   | 6 7  | 16<br>16           | 3 11 33<br>6 6 34                                     |
|    |            | 1   | 13 8   | 1 1                | 1 1   |
|    |            | 1 1   | 1 9  | 14                 | 1 35<br>1 36  |
| 3  | 3 1        | 3   | 5 3<br>3 4                                     | 7                  | 37 38   |
|    | 1          |   | 10 5<br>5 8                                    | 2 4                | 3 1 39<br>4 1 40                                      |
|    |            |   |  | ļ                  |   |
| 1  | 5 7        | $egin{pmatrix} 11 & 11 & 11 & 11 & 11 & 11 & 11 & 11$                       | 77 80<br>46 79                                 | 108 2<br>124 9     | 8 23 41<br>7 17 42                                    |

Table B.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK WEEKLY EARNINGS, IN EACH

|             | Occupation, sex, State, and number of estab-<br>lishments.    |       |                                   |   | Aver-                      | Aver-  | Empl | oyees v                   | vhose i<br>week v | full-tim<br>vere—                 | e hour                    | s per |
|-------------|---|-------|-----------------------------------|---|----------------------------|--|------|---------------------------|-------------------|-----------------------------------|---------------------------|-------|
| Line<br>No. | Occupation, sex, State,<br>and number of estab-<br>lishments. | Year. | Num-<br>ber of<br>em-<br>ployees. | age<br>full-<br>time<br>hours<br>per<br>week. | rate<br>of<br>wages<br>per | full-<br>time<br>week-<br>ly<br>earn-<br>ings. | and  | 51<br>and<br>under<br>54. | 54.               | Over<br>54<br>and<br>under<br>57. | 57<br>and<br>under<br>60, | 60.   |

#### BOTTOMING DEPARTMENT—Concluded.

|          | BU  | TTU          | MING             | DEPA           | .HC/1'IVI         | ENT-               | -Concid  | iaea.    |          |            |          |             |
|----------|---|--------------|------------------|----------------|-------------------|--------------------|----------|----------|----------|------------|----------|-------------|
|          | HEEL BURNISHERS,<br>MALE.                       |              |                  |                |                   |                    |          |          |          |            |          |             |
| 1 2      | Illinois:<br>4 establishments                   | 1914<br>1916 | 16<br>13         | 55. 0<br>54. 1 | \$0. 459<br>. 513 | \$25. 23<br>27. 80 |          | 4        |          | 16<br>9    |          |             |
| 3<br>4   | Maine:<br>4 establishments                      | 1914<br>1916 | 13<br>10         | 57. 7<br>58. 2 | . 345             |                    |          |          |          | 2          | 11<br>10 |             |
| 5<br>6   | Massachusetts:<br>19 establishments             | 1914<br>1916 | 83<br>79         | 54. 3<br>54. 4 | . 340             | 18. 50<br>19. 71   |          | 7 6      | 47<br>47 | 29<br>26   |          |             |
| 7        | Missouri:<br>8 establishments                   | 1914<br>1916 | 27<br>30         | 57. 1<br>56. 7 | . 251<br>. 254    | 14.32<br>14.36     | <br>     |          | 6<br>14  |            | 16       |             |
| 9<br>10  | New Hampshire:<br>6 establishments              | 1914<br>1916 | 24<br>25         | 55. 0<br>55. 0 | . 245<br>. 269    |                    |          |          |          | 24<br>25   | •        |             |
| 11<br>12 | New York: 9 establishments                      | 1914<br>1916 | 30<br>33         | 52. 6<br>52. 7 | .335<br>.364      | 17. 64<br>19. 20   | 4 5      | 19<br>16 |          |            |          |             |
| 13<br>14 | Ohio:<br>6 establishments                       | 1914<br>1916 | 27<br>27         | 57. 1<br>57. 1 | .300<br>.310      |                    |          |          |          | 13<br>13   | 14<br>14 |             |
| 15<br>16 | Pennsylvania:<br>7 establishments<br>Wisconsin: | 1914<br>1916 | 16<br>14         | 55. 9<br>56. 1 | . 253<br>. 289    | 14. 31<br>16. 38   |          |          | 4<br>3   | 6<br>5     | 6<br>6   |             |
| 17<br>18 | 2 establishments Other States:                  | 1914<br>1916 | 8<br>11          | 60. 0<br>59. 5 | . 269<br>. 242    | 16. 16<br>14. 39   |          | <u>.</u> |          | i          |          | 8<br>10     |
| 19<br>20 | 10 establishments                               | 1914<br>1916 | 18<br>19         | 58. 1<br>58. 1 | . 307             | 17. 71<br>17. 91   |          |          |          | 5<br>6     | 9<br>6   | 7           |
| 21<br>22 | Total: 75 establishments                        | 1914<br>1916 | 262<br>261       | 55. 5<br>55. 5 | . 315<br>. 331    | 17. 47<br>18. 32   |          |          | 59<br>69 | 121<br>92  | 40<br>52 | 12<br>17    |
|          | BUFFERS, MALE.                                  |              |                  |                |                   |                    |          |          | ====     |            |          |             |
| 23<br>24 | Illinois:<br>3 establishments                   | 1914<br>1916 | 11<br>17         | 55. 0<br>55. 0 | .338              |                    | <br>     |          |          | 11<br>17   |          | • • • • • • |
| 25<br>26 | Maine:<br>4 establishments                      | 1914<br>1916 | 19<br>16         | 58. 2<br>58. 1 | .310<br>.365      | 18. 02<br>21. 19   |          |          |          |            | 19<br>16 |             |
| 27<br>28 | Massachusetts:<br>18 establishments             | 1914<br>1916 | 121<br>116       | 54. 3<br>54. 4 | .346<br>.349      | 18.76<br>18.98     |          | 18<br>19 | 61<br>55 | 42<br>42   |          |             |
| 29<br>30 | Missouri:<br>8 establishments                   | 1914<br>1916 | 37<br><b>4</b> 6 | 57. 0<br>56. 4 | . 265<br>. 277    | 15. 08<br>15. 69   |          |          | 10<br>24 | 6          | 21<br>22 |             |
| 31<br>32 | New Hampshire:<br>6 establishments<br>New York: | 1914<br>1916 | 56<br>49         | 55. 0<br>55. 0 | . 221<br>. 294    | 12. 13<br>16. 19   |          |          |          | 56<br>49   |          |             |
| 33<br>34 | 8 establishments                                | 1914<br>1916 | 37<br>35         | 52. 0<br>52. 3 | . 330<br>. 362    | 17. 27<br>18. 93   | 14<br>13 | 15<br>11 |          | 8<br>11    |          |             |
| 35<br>36 | 6 establishments Pennsylvania:                  | 1914<br>1916 | 35<br>27         | 55. 9<br>55. 9 | . 354<br>. 376    | 19. 76<br>20. 97   |          |          |          | 27<br>21   | 8<br>6   |             |
| 37<br>38 | 7 establishments Other States:                  | 1914<br>1916 | 18<br>25         | 56. 1<br>55. 7 | . 279<br>. 238    | 15. 74<br>13. 36   |          |          | 3<br>4   | 8<br>14    | 7<br>7   |             |
| 39<br>40 | 12 establishments                               | 1914<br>1916 | 30<br>28         | 58. 5<br>58. 0 | . 274             | 15. 99<br>16. 94   |          |          |          | 7<br>10    | 11<br>5  | 12<br>13    |
| 41<br>42 | Total:<br>72 establishments                     | 1914<br>1916 | 364<br>359       | 55. 3<br>55. 2 | . 306             | 16.89<br>17.88     | 14<br>13 |          | 74<br>83 | 165<br>164 | 66<br>56 | 12<br>13    |

|                                       |                                  |                                   | Emj                                | ployees                                 | whose r                      | ates of                            | wages p                            | er hour                            | were-                              |                                    |                                    |                             |     |
|---------------------------------------|----------------------------------|-----------------------------------|------------------------------------|---|------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|-----------------------------|-----|
| Under<br>6<br>cents.                  | 6<br>and<br>under<br>8<br>cents. | 8<br>and<br>under<br>10<br>cents. | 10<br>and<br>under<br>12<br>cents. | 12<br>and<br>under<br>14<br>cents.      | and<br>under<br>16<br>cents. | 16<br>and<br>under<br>18<br>cents. | 18<br>and<br>under<br>20<br>cents. | 20<br>and<br>under<br>25<br>cents. | 25<br>and<br>under<br>30<br>cents. | 30<br>and<br>under<br>40<br>cents. | 40<br>and<br>under<br>50<br>cents. | 50<br>cents<br>and<br>over. | Lin |
|                                       |                                  |                                   | В                                  | OTTO                                    | MING                         | DEPA                               | RTME                               | ENT—C                              | onclude                            | xd.                                |                                    |                             | · - |
|                                       |                                  |                                   |                                    |   |                              |                                    |                                    | 1 2                                | 2<br>1                             | 3<br>2                             | 5<br>3                             | . 5<br>5                    |     |
| •••••                                 |                                  |                                   |                                    |   |                              |                                    |                                    | 1                                  | 4                                  | 5                                  | 3                                  |                             |     |
| •••••                                 | •••••                            |                                   |                                    | 1                                       | 2                            |                                    | 1                                  | 4                                  | 18                                 | 40                                 | 6<br>14                            | 3                           |     |
| •••••                                 |                                  | •••••                             |                                    | • | •••••                        | •••••                              | 4                                  | 8<br>12                            | 5                                  | 26<br>6                            | 29                                 | 3                           |     |
|                                       |                                  |                                   | •••••                              | 1                                       |                              | 3                                  | 3                                  | 9                                  | 12<br>8                            | 5<br>2                             | 1                                  |                             |     |
| •••••                                 |                                  |                                   | •••••                              | •••••                                   |                              | •••••                              | 4                                  | 7                                  | 8<br>5<br>9                        | 13                                 | 6                                  |                             |     |
| •••••                                 |                                  |                                   |                                    |   | 1                            | i                                  |                                    | 2 2 2                              | 6                                  | 13<br>13                           | š                                  | 2                           |     |
| •••••                                 |                                  |                                   | •••••                              |   |                              | i                                  | i                                  | 5                                  |                                    | 13                                 | 3                                  |                             |     |
| •••••                                 |                                  | 1                                 | 1                                  | 2                                       | 1 2                          | 1                                  |                                    | 3                                  | 3<br>2                             | 5<br>5                             | 2                                  |                             |     |
| •••••                                 |                                  |                                   | •••••                              | •••••                                   |                              | ·····i                             | ······ <u>à</u>                    | 1                                  |                                    | 2<br>1                             |                                    |                             |     |
|                                       | <u></u>                          |                                   |                                    | 1                                       | i                            | i                                  | 1                                  | 2                                  | 5<br>6                             | 7<br>8                             | 1                                  | 1                           |     |
|                                       |                                  | 1                                 | 1                                  | 5                                       | 3 5                          |                                    | 9                                  |                                    | 69<br>53                           | 96<br>86                           | 30<br>51                           | 9<br>11                     |     |
|                                       |                                  |                                   |                                    |   |                              |                                    |                                    | i                                  | 4                                  | 6<br><b>6</b>                      | 1 3                                |                             |     |
| • • • • • • • • • • • • • • • • • • • |                                  |                                   |                                    |   |                              |                                    |                                    | 3                                  | 6                                  | 12                                 |                                    | 1                           |     |
| •••••                                 |                                  |                                   |                                    |   |                              |                                    | 1                                  | 12                                 | 20<br>20                           | 66<br>66                           | 15                                 | 3                           | 7   |
| •••••                                 |                                  |                                   |                                    | 1                                       | 2                            |                                    | 2                                  | 10                                 | 9                                  | 62<br>10                           | 2                                  |                             |     |
|                                       |                                  |                                   |                                    |   | 3                            | 10                                 | 11                                 | 19                                 | 9                                  | 8                                  | 1                                  |                             |     |
|                                       |                                  |                                   | •••••                              | 2                                       | 1                            | 1 2                                |                                    | 3 5                                | Ì                                  | 23<br>16                           | 3                                  |                             | 3   |
| •••••                                 |                                  | <br>                              | <b> </b>                           | •••••                                   |                              |                                    | 2                                  | 5 2                                | 3                                  | 15                                 | l                                  | 1                           |     |
|                                       |                                  |                                   |                                    |   | 3                            |                                    | 1                                  | 5                                  | Į.                                 |                                    | l                                  | 2                           | ž   |
|                                       |                                  |                                   | 4                                  | 3                                       | 1                            |                                    | 1                                  | 5                                  | 5                                  | 4                                  | 2                                  |                             | -   |
|                                       |                                  |                                   |                                    |   |                              | 1                                  | 3                                  | 10                                 | 8<br>6                             | 11<br>10                           | 2                                  |                             | -   |
|                                       |                                  |                                   | 4                                  | 1 5                                     | 8                            | 15<br>1                            | 20<br>5                            | 60<br>45                           | 66<br>85                           | 150<br>146                         | 33<br>59                           | 11                          | L   |

TABLE B.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK WEEKLY EARNINGS, IN EACH

|             |   |              | N                                 | Aver-   | Aver-<br>age               | Aver-  | Emplo                             | yees w                    | vhose f         | ull-tim<br>vere—                  | e hour                    | s per    |
|-------------|---|--------------|-----------------------------------|---|----------------------------|--|-----------------------------------|---------------------------|-----------------|-----------------------------------|---------------------------|----------|
| Line<br>No. | Occupation, sex, State,<br>and number of estab-<br>lishments. | Year.        | Num-<br>ber of<br>em-<br>ployees. | age<br>full-<br>time<br>hours<br>per<br>week- | rate<br>of<br>wages<br>per | full-<br>time<br>week-<br>ly<br>earn-<br>ings. | Over<br>48<br>and<br>under<br>51. | 51<br>and<br>under<br>54. | 54.             | Over<br>54<br>and<br>under<br>57. | 57<br>and<br>under<br>60. | 60.      |
|             |   | F            | INISHI                            | NG D  | EPAH                       | <b>TME</b>                                     | NT.                               |                           |                 |                                   |                           |          |
|             | TREERS OR IRONERS,<br>HAND, MALE.                             |              |                                   |   |                            |  |                                   |                           |                 |                                   |                           |          |
| 1<br>2      | Illinois: 4 establishments                                    | 1914<br>1916 | 86<br>86                          |   |                            | \$17.82<br>19.92                               |                                   | 35                        |                 | 86<br>51                          |                           |          |
| 3<br>4      | Maine:<br>4 establishments                                    | 1914<br>1916 | 59<br>54                          |   | . 293                      |  |                                   |                           |                 | 7                                 | 52<br>54                  |          |
| 5<br>6      | Massachusetts:<br>19 establishments                           | 1914<br>1916 | 494<br>452                        | 54. 2   | . 302                      | 16. 33   |                                   | 119<br>114                | 251<br>238      | 124<br>100                        |                           |          |
| 7<br>8      | Minnesota:<br>3 establishments<br>Missouri:                   | 1914<br>1916 | 22<br>20                          |   | . 262<br>. 301             |  |                                   |                           |                 |                                   | 7                         | 15<br>20 |
| 9<br>10     | 7 establishments  | 1914<br>1916 | 89<br>97                          | 55. 8<br>55. 8                                | . 229                      |  |                                   |                           | 47<br>63        |                                   | 30<br>34                  |          |
| 11<br>12    | New Hampshire:<br>5 establishments                            | 1914<br>1916 | 75<br>77                          |   |                            |  |                                   |                           |                 | 75<br>77                          |                           |          |
| 13<br>14    | New Jersey:<br>3 establishments                               | 1914<br>1916 | 25<br>21                          | 55.0  | .329                       | 18.08  |                                   |                           |                 | 25<br>21                          |                           |          |
| 15<br>16    | New York:<br>5 establishments                                 | 1914<br>1916 | 61<br>66                          |   | . 232                      |  |                                   | 36<br>36                  | 17<br><b>23</b> | 8<br>7                            |                           |          |
| 17<br>18    | 6 establishments  | 1914<br>1916 | 84                                |   |                            |  |                                   |                           |                 | 46<br>46                          | 38<br>27                  |          |
| 19<br>20    | Pennsylvania:<br>5 establishments<br>Virginia:                | 1914<br>1916 | 35<br>36                          |   | . 231                      | 13.12<br>11.80                                 |                                   |                           | 12<br>15        |                                   | 21<br>19                  |          |
| 21<br>22    | 3 establishments Wisconsin:                                   | 1914<br>1916 | 26<br>22                          |   |                            |  | <br>                              |                           |                 |                                   | 26<br>22                  |          |
| 23<br>24    | 2 establishments  | 1914<br>1916 | 23<br>15                          | 60.0<br>59.0                                  |                            |  |                                   |                           |                 | 3                                 |                           | 23<br>12 |
| 25<br>26    | Other States:<br>1 establishment                              | 1914<br>1916 | 16                                |   |                            |  |                                   |                           |                 | 19                                | 16                        | <br>     |
| 27<br>28    | Total:<br>67 establishments                                   | 1914<br>1916 | 1,098                             | 55.3  |                            |  |                                   | 155<br>185                | 327<br>339      |                                   | 190<br>156                | 38<br>32 |
|             | TREERS OR IRONERS,<br>HAND, FEMALE.                           |              |                                   |   |                            |  |                                   |                           |                 |                                   |                           |          |
| 29<br>30    | New York:<br>4 establishments                                 | 1914<br>1916 | 4.                                |   | 7 . 204                    |  | 27<br>20                          | 17<br>22                  |                 |                                   |                           |          |
| 31<br>32    | Ohio:<br>2 establishments                                     | 1914<br>1916 | 2:                                | 53.6  | 6 .173                     | 9. 27  |                                   | 23                        |                 |                                   |                           |          |
| 33<br>34    | Pennsylvania:<br>2 establishments                             | 1914<br>1916 | 1:                                | 54.0  | . 130                      | 7.01   |                                   |                           | 18<br>20        |                                   |                           |          |
| 35<br>36    | Other States:<br>3 establishments                             | 1914<br>1916 | 2                                 | 2 51.   | 8 . 15                     | 7.99   | 14                                |                           | 1 14            | 7                                 |                           |          |
| 37<br>38    | Total:<br>11 establishments                                   | 1914<br>1916 |                                   |   |                            |  |                                   |                           |                 |                                   |                           |          |

|                      |                             |                              |                                    |                              |                              |                              |                                    |                                    |                                    |                                    |                                       |                             | L         |
|----------------------|-----------------------------|------------------------------|------------------------------------|------------------------------|------------------------------|------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|---------------------------------------|-----------------------------|-----------|
| Under<br>6<br>cents. | and<br>under<br>8<br>cents. | and<br>under<br>10<br>cents. | 10<br>and<br>under<br>12<br>cents. | and<br>under<br>14<br>cents. | and<br>under<br>16<br>cents. | and<br>under<br>18<br>cents. | 18<br>and<br>under<br>20<br>cents. | 20<br>and<br>under<br>25<br>cents. | 25<br>and<br>under<br>30<br>cents. | 30<br>and<br>under<br>40<br>cents. | 40<br>and<br>under<br>50<br>cents.    | 50<br>cents<br>and<br>over. | Lin<br>No |
|                      |                             |                              |                                    | FI                           | NISH)                        | ING D                        | EPART                              | rmen:                              | г.                                 |                                    |                                       |                             |           |
|                      |                             |                              |                                    | 3                            | 3<br>2                       | 6                            | 8                                  | 7<br>10                            | <b>8</b><br>6                      | 30<br>35                           | 15<br>22                              | 6 9                         |           |
|                      |                             |                              |                                    |                              |                              | 1                            | i                                  | 7 7                                | 23<br>16                           | 28<br>29                           | i                                     |                             |           |
|                      |                             |                              |                                    | 3<br>1                       | 1<br>3                       | 13<br>1                      | 14<br>16                           | 80                                 | 140<br>108                         | 208<br>199                         | 27<br>33                              | 8<br>19                     |           |
|                      |                             |                              |                                    |                              |                              | i                            | 5                                  | 4 3                                | 6<br>4                             | 7<br>10                            |                                       |                             |           |
|                      |                             |                              | 1 5                                | 7                            | 2 3                          | 3 5                          | 11                                 | 27<br>19                           | 31                                 | 7                                  |                                       |                             |           |
| ••••••               |                             | 1                            | 1                                  | 1                            | 1                            | 6                            | 6                                  | 16                                 | 35<br>18                           | 16<br>21                           | · · · · · · · · · · · · · · · · · · · | 1                           |           |
| . <b></b>            |                             |                              |                                    |                              | 1                            | 3                            | 3                                  | 24<br>5                            | 29                                 | 22<br>3                            | 8                                     | 2<br>7                      |           |
|                      |                             |                              | 1                                  | 2                            | 2                            | 7                            | 10                                 | 18                                 | 6                                  | 1<br>13                            | 4                                     | 7                           |           |
|                      |                             |                              |                                    | 2                            | 11                           | 1 10                         | 3<br>11                            | 20<br>19                           | 25<br>19                           | 12<br>10                           | 4                                     | 2                           |           |
| •••••                |                             |                              |                                    |                              | 3                            | 5                            | 10                                 | 20                                 | 21<br>11                           | 13<br>5                            | 1                                     |                             |           |
|                      |                             | 1                            | 4                                  | 2<br>2<br>2                  | 1                            | 6                            | 4                                  | 5                                  | 3                                  | 5                                  | 2                                     |                             |           |
|                      |                             |                              |                                    |                              |                              |                              | 1                                  | 10                                 | 6                                  | 6                                  |                                       |                             |           |
| · • • • • • •        |                             |                              |                                    |                              |                              |                              |                                    | 2                                  | 9                                  | 4                                  |                                       |                             |           |
|                      |                             |                              |                                    |                              | 1                            | 3                            |                                    | 8                                  | 8                                  |                                    |                                       |                             |           |
|                      |                             | 2                            | 9                                  | 22<br>10                     | 27<br>18                     | 62 24                        | 83<br>45                           | 202<br>204                         | 277<br>273                         | 344<br>353                         | 53<br>66                              | 19<br>35                    |           |
|                      |                             |                              |                                    |                              | 3                            |                              | 12                                 | 15                                 |                                    |                                    |                                       |                             |           |
|                      |                             |                              |                                    | 3                            | 1                            |                              | 1                                  | . 21                               | l                                  | 1                                  |                                       |                             |           |
|                      |                             |                              | i                                  |                              | 10                           | 2                            | 1                                  | 1                                  |                                    |                                    |                                       |                             |           |
|                      | -                           | 1 (                          | 3 5                                | 6                            | 7                            | 1                            | 2                                  | 2 2                                |                                    |                                    |                                       |                             |           |
| <b></b> .            | -  <b>-</b>                 | i                            |                                    | 7                            | 5                            | 1                            | 1                                  | 2                                  |                                    | 1                                  |                                       |                             |           |

Table B.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK WEEKLY EARNINGS, IN EACH

|             | 110 and number of actab                                       |       | l i                               | Aver-   | Aver-<br>age               | Aver-<br>age<br>full- | Emple                             | oyees v                   | vhose i<br>week v |                                   | e hour                    | s per |
|-------------|---|-------|-----------------------------------|---|----------------------------|-----------------------|-----------------------------------|---------------------------|-------------------|-----------------------------------|---------------------------|-------|
| Line<br>No. | Occupation, sex, State,<br>and number of estab-<br>lishments. | Year. | Num-<br>ber of<br>em-<br>ployees. | age<br>full-<br>time<br>hours<br>per<br>week- | rate<br>of<br>wages<br>per | time<br>week-<br>ly   | Over<br>48<br>and<br>under<br>51. | 51<br>and<br>under<br>54. | 54,               | Over<br>54<br>and<br>under<br>57. | 57<br>and<br>under<br>60. | 60.   |

#### OTHER EMPLOYEES (ALL DEPARTMENTS).

|          |                                     |              |                  |                |                |                  |                 |                  |                  |             | <del></del> | <del></del>             |
|----------|-------------------------------------|--------------|------------------|----------------|----------------|------------------|-----------------|------------------|------------------|-------------|-------------|-------------------------|
|          | MALES.                              |              |                  |                |                |                  |                 | 1                |                  |             |             |                         |
|          | Illinois:                           |              |                  |                |                |                  |                 |                  |                  |             |             | . ]                     |
| 1        | 4 establishments                    | 1914         | 1, 134           |                |                | <b>\$12</b> . 84 |                 |                  |                  | 1, 134      |             |                         |
| 2        | Maine                               | 1916         | 887              | 54.3           | . 248          | 13.50            |                 | 202              |                  | 685         |             |                         |
| 3        | Maine:<br>4 establishments          | 1914         | 815              | 58.2           | . 233          | 13.56            |                 |                  |                  | 1           | 809         | 1.5                     |
| 4        | 4 Cotabilisimentos                  | 1916         | 729              | 58.1           | . 248          | 14.42            |                 |                  |                  |             | 729         |                         |
| 1        | Massachusetts:                      |              |                  | اء : ـ ا       |                | اء. ۔۔ا          |                 |                  |                  |             | l .         |                         |
| 5        | 20 establishments                   | 1914<br>1916 | 6, 277<br>6, 120 | 54. 2<br>54. 3 | . 248<br>. 264 | 13. 42<br>14. 31 | 2 9<br>4 59     |                  | $3,526 \\ 3,321$ |             | 4           | <sup>3</sup> 11<br>1 29 |
| 0        | Minnesota:                          | 1910         | 0,120            | 04.0           | . 204          | 14.51            | - 09            | 1, 192           | 3, 321           | 1, 499      | 20          | 1 29                    |
| 7        | 3 establishments                    | 1914         | 368              | 59.5           | . 205          | 12.20            |                 |                  |                  |             | 181         | 187                     |
| 8        |                                     | 1916         | 372              | 60.0           | . 242          | 14.53            | • ]             |                  |                  |             |             | 372                     |
| 9        | Missouri:<br>10 establishments      | 1914         | 1,890            | 56.5           | . 204          | 11.51            | 5 2             |                  | 751              | 236         | 888         | 6 13                    |
| 10       | 10 establishmenta                   | 1916         | 2, 291           | 56.1           | . 224          | 12.57            |                 |                  | 1,392            | 250         | 878         | 7 21                    |
| -0       | New Hampshire:                      |              | 1 1              | ĺ              |                | i                |                 |                  | -,002            |             | , ,,,       | 1                       |
| 11       | 7 establishments                    | 1914         | 2,060            | 55.0           | . 199          | 10.97            |                 | • • • • • •      |                  | 2,060       |             |                         |
| 12       | New Jersev:                         | 1916         | 2,073            | 55. 1          | . 225          | 12.39            |                 |                  | • • • • • •      | 2,069       |             | 14                      |
| 13       | 4 establishments                    | 1914         | 406              | 55. 1          | . 226          | 12.42            |                 |                  |                  | 405         |             | 11                      |
| 14       |                                     | 1916         | 341              | 55. 2          | . 242          |                  | 8 10            |                  |                  | 325         |             | 1 6                     |
|          | New York:                           | 1014         | 0.515            | 50.0           | 200            |                  |                 |                  |                  |             |             |                         |
| 15<br>16 | 11 establishments                   | 1914<br>1916 | 2,717<br>2,605   | 52. 6<br>52. 8 | . 239<br>. 268 | 12. 58<br>14. 15 | 9 590<br>11 470 | 1, 186<br>1, 161 | 253<br>367       | 679<br>585  | ····i       | 10 g                    |
| 10       | Ohio:                               |              | 1                |                |                |                  | 110             | 1, 101           | 301              | 300         |             | 21                      |
| 17       | 6 establishments                    | 1914         | 1,983            | 55.8           | . 192          |                  |                 |                  |                  | 1,068       |             |                         |
| 18       | Pennsylvania:                       | 1916         | 1,699            | 56.5           | . 203          | 11.47            | 13 3            |                  | 16               | 1,071       | 602         | 17                      |
| 19       | 7 establishments                    | 1914         | 1, 223           | 56. 1          | . 191          | 10.79            | 1               |                  | 262              | 482         | 475         | 14                      |
| 20       |                                     | 1916         | 1, 160           | 56. 2          | . 212          |                  | i               |                  | 344              | 295         |             | 14 23                   |
| 0.4      | Virginia:<br>2 establishments       | 1914         | 184              | 59.3           | . 187          | 11 07            |                 |                  |                  | Į.          | 100         | 12                      |
| 21<br>22 | z establishments                    | 1914         | 262              | 59. 0          | . 196          | 11.07<br>11.56   |                 |                  | • • • • • •      |             | 182<br>261  | 1 1                     |
|          | Wisconsin:                          |              | 1                |                |                |                  |                 |                  |                  |             | 201         | 1 1                     |
| 23       | 2 establishments                    | 1914         | 510              | 60.0           | . 195          | 11.67            |                 |                  |                  |             |             | 510                     |
| 24       | Other States:                       | 1916         | 362              | 59.4           | . 196          | 11.61            |                 |                  | • • • • •        | 45          |             | 317                     |
| 25       | 1 establishment                     | 1914         | 100              | 59.0           | . 217          | 12.83            |                 |                  |                  |             | 100         |                         |
| 26       |                                     | 1916         | 100              | 55.3           | . 220          | 12.16            |                 |                  |                  | 98          |             | 1 2                     |
|          | Total:                              |              |                  |                |                |                  | <del> </del>    |                  | <u>_</u>         |             | i           | <del></del>             |
| 27       | 81 establishments                   | 1914         | 19,667           | 55. 1          | . 223          | 12. 28           | 15 858          | 2, 204           | 4,792            | 7,774       | 3, 291      | 16 748                  |
| 28       |                                     | 1916         | 19,001           | 55. 1          | . 242          |                  | 17 543          | 2,555            | 5, 440           | 6,672       | 2, 988      | 18 803                  |
|          |                                     |              |                  |                |                |                  |                 |                  | <del></del>      | <del></del> | <u> </u>    |                         |
|          | FEMALE.                             |              | !                | 1              |                |                  | 1               |                  |                  | l           |             |                         |
|          | Illinois:                           |              |                  |                |                |                  |                 |                  |                  |             | l           | 1                       |
| 29       | 4 establishments                    | 1914         | 469              | 55. 0          | . 162          | 8.93             |                 |                  |                  | 469         |             |                         |
| 30       | Maine:                              | 1916         | 447              | 54.5           | . 175          | 9. 57            |                 | 76               |                  | 371         |             |                         |
| 31       | 4 establishments                    | 1914         | 514              | 58.0           | . 181          | 10. 51           |                 |                  |                  |             | 514         |                         |
| 32       | 36                                  | 1916         | 570              | 58.0           | . 184          |                  |                 |                  |                  |             | 570         |                         |
| 33       | Massachusetts:<br>20 establishments | 1914         | 4,032            | 53.8           | . 182          | 9.79             | 199             | 850              | 3, 173           | ļ           |             |                         |
| 34       | av establishmelits                  | 1916         | 3,695            | 53.8           | . 188          | 10.14            |                 |                  | 2,806            |             | 1           |                         |
|          |                                     |              | -,               |                | 50.            |                  |                 | _50              | -, -,            |             |             |                         |

<sup>1</sup> Over 60 hours.
2 Including 6 under 48 hours and 2 at 48 hours.
3 Including 10 over 60 hours.
4 Including 15 at 48 hours.

<sup>4</sup> Including 15 at 48 hours.
4 48 hours.
Including 4 over 60 hours.
Including 18 over 60 hours.
Under 48 hours.
Including 7 under 48 hours.
Including 2 over 60 hours.

|                      |                                  |                                   | E                            | mploye                       | es whos                      | e rates                            | of wage                            | s per ho                           | ur were                            | _                                  |                                    |                             |             |
|----------------------|----------------------------------|-----------------------------------|------------------------------|------------------------------|------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|-----------------------------|-------------|
| Under<br>6<br>cents. | 6<br>and<br>under<br>8<br>cents. | 8<br>and<br>under<br>10<br>cents. | and<br>under<br>12<br>cents. | and<br>under<br>14<br>cents. | and<br>under<br>16<br>cents. | 16<br>and<br>under<br>18<br>cents. | 18<br>and<br>under<br>20<br>cents. | 20<br>and<br>under<br>25<br>cents. | 25<br>and<br>under<br>30<br>cents. | 30<br>and<br>under<br>40<br>cents. | 40<br>and<br>under<br>50<br>cents. | 50<br>cents<br>and<br>over. | Line<br>No. |

#### OTHER EMPLOYEES (ALL DEPARTMENTS).

|              | 1        |            |                  |                  |             |            |                  |            |                 |            |               |        |          |
|--------------|----------|------------|------------------|------------------|-------------|------------|------------------|------------|-----------------|------------|---------------|--------|----------|
| 2            | 1        | 7          | 88               | 93               | 64          | 112        | 94               | 276        | 189             | 126        | 52            | 30     | 1        |
|              | 7        | 13         | 38               | 58               | 68          | 90         | 76               | 171        | 143             | 144        | 45            | 34     | 2        |
| 1 1          | 2        | 4          | 18               | 45               | 114         | 32         | 63               | • 231      | 139             | 144        | 20            | 2      | 3        |
|              | 1        | 8          | 30               | 47               | 115         | 47         | 36               | 121        | 117             | 130        | 57            | 19     | 4        |
| 6 7          | 24       | 89         | 266              | 341              | 249         | 598        | 530              | 1,169      | 1,340           | 1,315      | 268           | 82     | 5        |
|              | 34       | 121        | 245              | 281              | 194         | 519        | 431              | 1,056      | 1,265           | 1,365      | 438           | 164    | 6        |
|              | 1        | 4 2        | 37<br>32         | 20<br>20         | 65<br>21    | 25<br>28   | 21<br>13         | 94<br>95   | 67<br>68        | 27<br>74   | 3<br>17       | 4<br>2 | 7<br>8   |
| 8            | 9        | 58         | 167              | 156              | 260         | 216        | 126              | 363        | 249             | 239        | 28            | 13     | 9        |
|              | 8        | 89         | 149              | 216              | 197         | 191        | 149              | 460        | 368             | 328        | 86            | 47     | 10       |
| 12           | 9        | 39         | 114              | 190              | 226         | 293        | 247              | 513        | 223             | 172        | 17            | 5      | 11·      |
| 5            | 12       | 23         | 59               | 149              | 111         | 326        | 237              | 491        | 304             | 275        | 59            | 22     | 12       |
| <sub>i</sub> | 2        | 11         | 33               | 32               | 37          | 36         | 21               | 95         | 55              | 60         | 16            | 8      | 13       |
|              | 2        | 7          | 25               | 28               | 22          | 23         | 21               | 78         | 54              | 52         | 17            | 13     | 14       |
| 1 6          | 12       | 41         | 141              | 185              | 224         | 241        | 235              | 529        | 452             | 467        | 149           | 40     | 15       |
|              | 10       | 25         | 122              | 132              | 177         | 160        | 151              | 443        | 478             | 593        | 212           | 96     | 16       |
| 1            | 12       | 105        | 235              | 182              | 27 <b>4</b> | 208        | 115              | 395        | 231             | 187        | 36            | 2      | 17       |
|              | 7        | 48         | 254              | 131              | 195         | 147        | 103              | 308        | 241             | 218        | <b>3</b> 5    | 11     | 18       |
| 5 2          | 69       | 98         | 162              | 129              | 99          | 114        | 91               | 177        | 128             | 94         | 30            | 27     | 19       |
|              | 18       | 70         | 148              | 119              | 141         | 99         | 74               | 159        | 121             | 115        | 58            | 36     | 20       |
| 4            | 10<br>10 | 11<br>. 19 | 22<br>45         | 19<br>15         | 15<br>21    | 17<br>12   | 12<br>6          | 32<br>60   | 25<br>33        | 16<br>27   | 3<br>7        | 3      | 21<br>22 |
|              | 13<br>4  | 8<br>16    | 58<br><b>3</b> 8 | 60<br><b>4</b> 5 | 58<br>40    | 40<br>44   | 50<br><b>2</b> 5 | 104<br>51  | 59<br><b>49</b> | 51<br>41   | 9<br><b>6</b> | 3      | 23<br>24 |
| 1            | 1        | 6<br>4     | 9<br>7           | 7<br>6           | 4<br>9      | 10<br>9    | 4                | 24<br>27   | 17<br>18        | 10<br>14   | 5             | 2      | 25<br>26 |
| 39           | 165      | 481        | 1,350            | 1,459            | 1.689       | 1,942      | 1,609            | 4,002      | 3, 174          | 2,908      | 634           | 215    | 27       |
| 30           | 114      | 445        | 1,192            | 1,247            | 1,311       | 1,695      | 1,326            | 3,518      | 3, 259          | 3,376      | 1,038         | 450    | 28       |
|              |          |            |                  |                  |             |            |                  |            |                 |            |               |        |          |
|              | 19<br>16 |            | 90<br>51         | 72<br>68         | 59<br>57    | 43<br>62   | 44<br>42         | 86<br>79   | 27<br>36        | 10<br>18   | 1<br>2        | i      | 29<br>30 |
| 3            | 7<br>11  | 16<br>23   | 41<br>67         | 72<br>71         | 87<br>77    | 41<br>47   | 54<br>47         | 115<br>120 | 57<br>69        | 18<br>33   | 2<br>1        | i      | 31<br>32 |
| 19           | 92<br>47 | 228<br>133 | 403<br>361       | 398<br>400       | 352<br>330  | 611<br>500 | 534<br>509       | 813<br>794 | 388<br>402      | 172<br>185 | 15<br>21      | 7 3    | 33<br>34 |

<sup>11</sup> Including 17 under 48 hours.
12 Including 15 over 60 hours.
13 Under 48 hours.
14 Including 15 over 60 hours.
15 Including 17 over 60 hours.
16 Including 13 under 48 hours and 4 at 48 hours.
16 Including 34 over 60 hours.
17 Including 30 under 48 hours and 15 at 48 hours.
18 Including 39 over 60 hours.
19 Including 8 under 48 hours and 1 at 48 hours.
20 Including 1 under 48 hours and 21 at 48 hours.

TABLE B.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK WEEKLY EARNINGS, IN EACH

|             |   |       | Num-                      | Aver-   | Aver-      | Aver-<br>age<br>full- | Empl                              |                           |     | full-tim<br>were—                 | e h <b>o</b> ur           | s per |
|-------------|---|-------|---------------------------|---|------------|-----------------------|-----------------------------------|---------------------------|-----|-----------------------------------|---------------------------|-------|
| Line<br>No. | Occupation, sex, State,<br>and number of estab-<br>lishments. | Year. | ber of<br>em-<br>ployees. | age<br>full-<br>time<br>hours<br>per<br>week. | rate<br>of | time                  | Over<br>48<br>and<br>under<br>51. | 51<br>and<br>under<br>54. | 54. | Over<br>54<br>and<br>under<br>57. | 57<br>and<br>under<br>60. | 60.   |

### OTHER EMPLOYEES (ALL DEPARTMENTS)—Concluded.

| 1        | PRIVITE concluded                 |              | 1                |               | -                |       |              |        |        |            |               |                 |
|----------|-----------------------------------|--------------|------------------|---------------|------------------|-------|--------------|--------|--------|------------|---------------|-----------------|
| 1        | FEMALE—concluded.                 | 1            |                  | Ì             |                  |       |              |        |        |            |               |                 |
| ļ        | Minnesota:                        | - 1          |                  | İ             | ì                |       |              | . 1    |        |            |               |                 |
| 1        | 3 establishments                  | 1914         | 162              |               | <b>\$</b> 0. 167 |       |              |        | 106    | 49         |               | 7               |
| 2        | i                                 | 1916         | 213              | 54.0          | . 185            | 10.01 |              |        | 213    |            |               |                 |
|          | Missouri:                         | 1914         | 4 400            | 53. 3         | . 151            | 8. 05 | 190          |        | 943    |            |               |                 |
| 3        | 8 establishments                  | 1914         | 1, 133<br>1, 273 | 54.0          | . 151            | 8.32  |              |        | 1,273  |            | •••••         | ••••            |
| 7        | New Hampshire:                    | 1910         | 1,210            | J2. U         | . 102            | 0.02  |              |        | 1,210  |            |               |                 |
| 5 i      | 7 establishments                  | 1914         | 851              | 55.0          | . 171            | 9.40  |              |        |        | 851        |               |                 |
| 6        |                                   | 1916         | 1,033            | 55.0          | . 185            | 10.16 |              |        |        | 1,033      |               |                 |
| _ 1      | New Jersey:                       |              |                  |               |                  |       | Į            | •      |        | ٠.,        |               |                 |
| 7        | 4 establishments                  | 1914         | 344<br>295       | 55.0          | . 156            |       | 17           |        |        | 344<br>288 |               |                 |
| 8        | New York:                         | 1916         | 295              | <b>54.</b> 8  | . 154            | 8.43  | 1 7          |        |        | 200        |               |                 |
| 9        | 11 establishments                 | 1914         | 1, 435           | 51.5          | . 183            | 9.42  | 2 612        | 502    | 321    |            | l             | ł               |
| 10       | 11 COGGOTESTIMONOS                | 1916         | 1, 495           |               |                  |       |              |        |        |            |               |                 |
|          | Ohio:                             |              | ) <i>'</i>       |               |                  |       |              |        |        |            | 1             |                 |
| 11       | 6 establishments                  | 1914         | 1,026            | 53.8          |                  |       |              | 531    | 495    |            | } <i>-</i>    |                 |
| 12       | D                                 | 1916         | 1,108            | <b>53</b> . 8 | . 156            | 8.38  | 41           | 530    | 577    |            |               |                 |
| 13       | Pennsylvania:<br>7 establishments | 1914         | 940              | 54.0          | . 134            | 7. 22 | ,            |        | 940    | ,          | 1             | 1               |
| 14       | r establishments                  | 1914         | 819              |               | . 134            |       |              |        | 816    |            |               |                 |
| 11       | Virginia:                         | 1510         | 1 610            | 04.0          | . 144            | 1     | 1            | 1      | 020    | 1          |               |                 |
| 15       | 3 establishments                  | 1914         | 194              |               |                  | 7.80  |              |        | ·      |            | 194           |                 |
| 16       |                                   | 1916         | 182              | 59.0          | .145             | 8.58  |              |        |        |            | 182           |                 |
| .,,      | Wisconsin:                        | 1,,,,        |                  | 55.0          | .140             | 7.70  | J            | ł      | 1      | 297        | ,)            | 1               |
| 17<br>18 | 2 establishments                  | 1914<br>1916 | 297<br>325       |               |                  |       |              |        |        | 32         |               |                 |
| 19       | Other States:                     | 1910         | 320              | 33.0          | . 104            | 1.02  | 1            |        |        | 02         | ′[            |                 |
| 19       | 1 establishment                   | 1914         | 105              | 54.0          | . 134            | 7. 23 |              |        | 105    |            |               | l               |
| 20       |                                   | 1916         | 101              |               |                  | 7.66  | 3            |        | 101    |            |               |                 |
|          |                                   | l            |                  | <del> </del>  |                  | ·     | <del> </del> | ·      | ·      |            | \ <del></del> | \ <del></del> - |
| 01       | Total:                            | 101.         | 11 500           |               | . 167            | 9.00  | 811          | 1, 883 | a nor  | 2.010      | 708           | , ,             |
| 21<br>22 | 80 establishments                 | 1914<br>1916 | 11,502<br>11,556 |               |                  |       |              |        | 6 161  | 2,017      |               |                 |
| 24       |                                   | 1910         | 1 11,000         | 9.0           | 1                | 9.30  | , 105        | 1,500  | 0, 10. | 7,01       | 102           | 1               |

<sup>1</sup> Under 48 hours.
2 Including 6 under 48 hours.
3 Including 8 under 48 hours.
4 48 hours.

|                      |                             |            | E          | mploye                             | es whos    | e rates                            | of wage                            | s per ho                           | ur were                            | _                                  |                                    |                             |             |
|----------------------|-----------------------------|------------|------------|------------------------------------|------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|-----------------------------|-------------|
| Under<br>6<br>cents. | and<br>under<br>8<br>cents. | 10         | 12         | 12<br>and<br>under<br>14<br>cents. | 16         | 16<br>and<br>under<br>18<br>cents. | 18<br>and<br>under<br>20<br>cents. | 20<br>and<br>under<br>25<br>cents. | 25<br>and<br>under<br>30<br>cents. | 30<br>and<br>under<br>40<br>cents. | 40<br>and<br>under<br>50<br>cents. | 50<br>cents<br>and<br>over. | Line<br>No. |
|                      |                             | ОТІ        | HER E      | MPLO                               | YEES       | (ALL                               | DEPA                               | RTMI                               | ents)-                             | -Conclu                            | ded.                               |                             |             |
|                      |                             |            |            |                                    |            |                                    |                                    |                                    |                                    |                                    |                                    |                             |             |
|                      |                             | 5<br>2     | 37<br>26   | 25<br>34                           | 24<br>26   | 14<br>23                           | 14<br>19                           | 24<br>50                           | 14<br>22                           | 4<br>9                             | 2                                  | 1                           | 1 2         |
| 9<br>7               |                             | 173<br>168 | 146<br>218 | 188<br>200                         | 193<br>148 | 116<br>158                         | 64<br>87                           | 145<br>149                         |                                    | 21<br>32                           | 4<br>2                             | i                           | 3<br>4      |
| 10<br>16             | 15<br>24                    | 43<br>27   | 82<br>59   | 101<br>122                         | 129<br>104 |                                    |                                    | 177<br>275                         |                                    | 12<br>31                           | 4<br>10                            | 1<br>2                      | 5           |
| 1                    | 7                           |            | 65<br>44   | 66<br>57                           | 44<br>53   | 39<br>47                           |                                    | 45<br>33                           | 11<br>8                            | 5<br>3                             | 3                                  | i                           | 7           |
| 2                    | 14                          | 57<br>35   | 125<br>116 |                                    | 181<br>161 |                                    |                                    | 269<br>363                         | 149<br>235                         | 51<br>104                          |                                    | <b>2</b><br>6               | 9<br>10     |
| 3                    |                             | 148<br>83  | 185<br>220 | 166<br>163                         | 145<br>186 |                                    | 77<br>103                          | 106<br>170                         |                                    | 10<br>13                           | 1<br>1                             |                             | 11<br>12    |
| 10                   |                             | 182<br>135 | 201<br>200 |                                    | 101<br>83  | 86<br>82                           | 41<br>34                           | 74<br>73                           | 29<br>37                           | 13<br>21                           | 4                                  |                             | 13<br>14    |
| 4                    | 17                          | 28<br>25   | 47<br>36   | 28<br>17                           | 23<br>27   | 16<br>27                           | 13<br>14                           | 15<br>15                           | 2<br>10                            | 1                                  |                                    |                             | 15<br>16    |
|                      | 7 10                        |            | 73<br>78   | 66<br>56                           | 37<br>37   | 33<br>35                           | 2:<br>2:                           | 2:<br>3:                           | 3 4<br>7                           |                                    |                                    |                             | 17<br>18    |
|                      |                             | 34<br>4 29 | 14         | 9                                  |            | 11                                 | 1                                  | 10                                 | 3                                  | 1                                  |                                    |                             | 19<br>20    |

1,39 1,300

1,509 1,485

976 728

66 57

 $\frac{322}{226}$ 

1,484 1,442

1, 196 1, 197

1,902 2,167

825 1,031

318 451

36 58

21 22

1,466 1,399

<sup>Including 1 under 48 hours.
Including 14 under 8 hours and 1 at 48 hours.
Including 17 under 48 hours and 22 at 48 hours.</sup> 

TABLE C.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK, WEEKLY EARNINGS,

|  |   | Num-<br>ber  | Num-  | Aver-   | age   | A ver-<br>age<br>full-  | Emplo                             | yees v                    | vhose i<br>week v          | ull-tim<br>vere—                  | ie houi                   | s per         |
|--|---|--|---|---|---|---|-----------------------------------|---------------------------|----------------------------|-----------------------------------|---------------------------|---------------|
| Line<br>No.  | Occupation, sex, and<br>State.  | of<br>estab-<br>lish-<br>ments                                 | ber of<br>em-<br>ploy-<br>ees.  | full-<br>time<br>hours<br>per<br>week.  | per   | time<br>week-<br>ly<br>earn-<br>ings.   | Over<br>48<br>and<br>under<br>51. | 51<br>and<br>under<br>54. | 54.                        | Over<br>54<br>and<br>under<br>57. | 57<br>and<br>under<br>60. | 60.           |
|  |   |  | UTTIN   | G DE  | PAR'  | rmen  | т.                                |                           |                            |                                   |                           |               |
|  | Cutters, vamp and<br>whole shoe, hand,<br>male:   |  |   |   |   |   |                                   |                           |                            |                                   |                           |               |
| 1<br>2<br>3  | Illinois<br>Maine<br>Massachusetts  | 5<br>5<br>46   | 156<br>74<br>882  | 56.9<br>53.1  | .320  | 18.14<br>20.84  | 217                               | 36<br>171                 | 23<br>19<br>343            | 97<br>141                         | 55                        | 10            |
| 4<br>5<br>6<br>7   | Minnesota Missouri New Jersey New York  | 3<br>11<br>4<br>12   | 43<br>322<br>61<br>313  | 54.7<br>55.0  | .365  | 19.98<br>18.12  | 20                                | . <b></b>                 | 134                        | 131<br>61<br>29                   |                           | 43            |
| 8<br>9<br>10   | Ohio<br>Pennsylvania<br>Wisconsin   | 6<br>9<br>4  | 189<br>188<br>37  | 53.6<br>55.4<br>57.4  | . 373<br>. 327<br>. 299   | 19.86<br>18.16<br>17.13   | 111                               |                           | 62                         | 67<br>19                          | 69<br>49                  | <sub>18</sub> |
| 11   | Other States  | 113  | 2, 355  | 55. 3<br>53. 9  |   | 20.12   | 434                               | 380                       | 641                        | 51<br>603                         | 14<br>224                 | 73            |
|  | Cutters, vamp and whole shoe, machine,  |  |   |   |   |   |                                   |                           |                            |                                   |                           |               |
| 12<br>13<br>14<br>15<br>16<br>17<br>18<br>19                               | male: Massachusetts Missouri New Hampshire New York Ohio Pennsylvania Virginia Other States   | 33<br>6<br>3<br>5<br>4<br>3<br>2<br>11                         | 434<br>164<br>151<br>141<br>52<br>23<br>17                            | 56.8<br>55.0<br>54.2  | . 254<br>. 311<br>. 338<br>. 292<br>. 239<br>. 345  | 14.33<br>17.13<br>18.23<br>16.14<br>13.10<br>20.34  | 22<br>15                          |                           | 30                         | 149<br>151<br>105<br>47<br>21     | 112<br>5                  |               |
|  | Total   | 67   | 1,059   | 54.9  | . 331   | 18.07   | 114                               | 32                        | 232                        | 496                               | 159                       | 26            |
| 20<br>21<br>22   | Skivers, upper, machine, male: Massachusetts New York Other States  | 21<br>2<br>9   | 91<br>13<br>20  | 54. 2<br>53. 2<br>57. 6   | . 397   | 21.16   |                                   | 11                        | 81                         | 9<br>2<br>5                       |                           | i             |
|  | Total   | 32   | 124   | 54.6  | . 311   | 16.93   |                                   | 11                        | 81                         | 16                                | 15                        | 1             |
| 23<br>24<br>25<br>26<br>27<br>28<br>29<br>30<br>31<br>32<br>33<br>34<br>35 | Skivers, upper, machine, female: Illinois. Maine. Massachusetts. Minnesota. Missouri. New Hampshire. New Jersey. New York. Ohio. Pennsylvania. Virginia. Wisconsin. Other States.  Total. | 44<br>538<br>38<br>12<br>9<br>4<br>12<br>8<br>9<br>3<br>4<br>2 | 36<br>10<br>172<br>20<br>73<br>69<br>13<br>73<br>42<br>46<br>12<br>15 | 54. 0<br>53. 8<br>55. 0<br>52. 1<br>53. 8<br>53. 2<br>59. 0<br>55. 0<br>54. 0 | . 238<br>. 199<br>. 189<br>. 193<br>. 180<br>. 249<br>. 176<br>. 164<br>. 169<br>. 171<br>. 200 | 12. 80<br>10. 74<br>10. 14<br>10. 62<br>9. 92<br>12. 95<br>9. 45<br>8. 72<br>9. 97<br>9. 41<br>10. 80 |                                   | 33<br>20<br>2             | 20<br>69<br>24<br>22<br>32 | 69<br>13<br>2                     | 10                        |               |
|  | 10031   | 113  |   | 54.0  | . 209   | 11. 26  | 38                                | 85                        | 306                        | 140                               | 22                        |               |
|  | -   | SOI  | E-LEA   | THE   | DEF   | ARTI  | MENT                              | •                         |                            | _                                 | ,                         |               |
| 36<br>37<br>38<br>39<br>40<br>41   | Cutters, outsole, male: Massachusetts. Missouri. New York. Ohio. Pennsylvania Other States.   | 27<br>4<br>8<br>8<br>6<br>11                                   | 115<br>73<br>51<br>27<br>16<br>63                                     | 52. 8<br>54. 5<br>55. 4<br>56. 4<br>56. 4                                     | .330<br>.265<br>.275<br>.276<br>.301  | 15.28<br>15.53<br>16.92   | 6<br>21<br>2                      | 2<br>4<br>2<br>1          | 51<br>2<br>3               | 53<br>43<br>24<br>1<br>41         | 3<br>10<br>5              | 15            |
|  | Total   | 64   | 345   | 54.7  | .307  | 16. 74  | 29                                | 9                         | 111                        | 162                               | 19                        | 15            |

AND RATES OF WAGES PER HOUR, AND AVERAGE FULL-TIME BY STATES, 1916.

|                      |                             |                                   |                              | ·                            |                              | ···  | ···                                |                                    |                                    |                                    |                                    |                             |  |
|----------------------|-----------------------------|-----------------------------------|------------------------------|------------------------------|------------------------------|--|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|-----------------------------|--|
| :                    |                             |                                   | En                           | ployees                      | s whose                      | rates of                                   | wages                              | per hou                            | r were-                            | -                                  |                                    |                             |  |
| Under<br>6<br>cents. | and<br>under<br>8<br>cents. | 8<br>and<br>under<br>10<br>cents. | and<br>under<br>12<br>cents. | and<br>under<br>14<br>cents. | and<br>under<br>16<br>cents. | 16<br>and<br>under<br>18<br>cents.         | 18<br>and<br>under<br>20<br>cents. | 20<br>and<br>under<br>25<br>cents. | 25<br>and<br>under<br>30<br>cents. | 30<br>and<br>under<br>40<br>cents. | 40<br>and<br>under<br>50<br>cents. | 50<br>cents<br>and<br>over. | Line<br>No.  |
|                      |                             |                                   |                              |                              | CUTTI                        | NG DI                                      | EPART                              | 'MEN'                              | г.                                 |                                    |                                    | *                           |  |
|                      |                             |                                   |                              |                              |                              |  |                                    |                                    |                                    |                                    |                                    |                             |  |
|                      |                             |                                   |                              |                              |                              | 1<br>1<br>2                                | 2<br>2<br>2                        | 5<br>1<br>16                       | [ 14]                              | 67<br>45<br>496                    | 916                                | 12<br>90                    | 1<br>2<br>3  |
|                      |                             |                                   |                              | i                            | 2                            | 1 4  | 3                                  | 6<br>15                            | 40<br>9<br>18<br>26<br>50          | 39<br>127<br>23<br>97<br>88<br>49  | 108<br>13<br>147<br>35<br>33       | 19<br>2<br>45<br>24<br>15   | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11                |
|                      |                             |                                   |                              |                              | 3                            | 1<br>1                                     | 3<br>2<br>1                        | 33<br>2<br>24                      | 10<br>28                           | 21<br>25                           | 1<br>5                             | 3                           | 10<br>11   |
|                      |                             |                                   |                              | 1                            | 6                            | 11   | 16                                 | 137                                | 274                                | 1,077                              | 623                                | 210                         |  |
|                      |                             | i                                 |                              | 5                            | 2                            | 4<br>20                                    | 6<br>11<br>6                       | 17<br>32                           | 39<br>42<br>49<br>19               | 150<br>37<br>68<br>64              | 5<br>9<br>9                        | 16<br>2<br>17               | 13<br>14   |
|                      |                             |                                   |                              |                              | 1                            | 3  | 2<br>3                             | 8<br>11<br>7                       | 6<br>4<br>15                       | 32<br>2<br>11<br>45                | <u>2</u>                           | 1                           | 16<br>17<br>18<br>19   |
|                      |                             | 1                                 |                              | 5                            | 3                            | 29   |                                    |                                    |                                    | 409                                |                                    | 36                          | 1  |
|                      |                             |                                   |                              |                              | 1                            | 1  |                                    | 4                                  | 15                                 | 61<br>8<br>2                       |                                    | 5                           | 20<br>21<br>22   |
|                      |                             |                                   | $\frac{2}{2}$                | 3                            |                              | 1  | 2                                  |                                    | 19                                 | 71                                 | 9                                  | 5                           |  |
|                      |                             |                                   | 2                            | 2                            |                              |  |                                    | 23                                 |                                    | 1                                  |                                    |                             |  |
|                      |                             | 4                                 | 1<br>4<br>3                  | 3<br>11<br>8<br>3            | 3<br>12<br>3<br>3            |  | 3<br>12<br>3<br>2<br>9<br>1        | 9<br>17<br>25<br>1                 | 12<br>4<br>3                       | 35<br>1<br>2<br>2                  | i                                  | 3                           | 23<br>24<br>25<br>26<br>27<br>28<br>29<br>30<br>31<br>32<br>33<br>34 |
|                      |                             | 5                                 | 9<br>6                       | 1<br>4<br>5<br>1<br>3        | 3<br>6<br>10<br>6            | 3<br>8<br>15<br>2<br>5<br>7<br>3<br>3<br>5 |                                    | 29<br>6<br>8<br>2<br>3             | 15<br>3<br>1                       | 16<br>2<br>1                       | 1                                  |                             | 30<br>31<br>32<br>33<br>34   |
|                      |                             | 10                                | 27                           | 41                           | 59                           | 102  | 49                                 |                                    |                                    | 62                                 | 4                                  | 3                           | .  |
| <u></u>              | ·                           | 1                                 | <u> </u>                     | soi                          | E-LEA                        | тнев                                       | DEP.                               | ARTM                               | ENT.                               |                                    |                                    | <u>!</u>                    | <u> </u>   |
|                      |                             |                                   |                              |                              |                              |  |                                    |                                    |                                    |                                    |                                    |                             |  |
|                      |                             |                                   |                              |                              | - d                          |  |                                    | 7<br>3<br>13<br>8<br>6<br>7        | 25<br>8<br>28<br>11<br>2<br>24     | 1 8                                |                                    | i                           | 36<br>37<br>38<br>39<br>40<br>41                                     |
|                      |                             |                                   |                              |                              |                              |  |                                    | 44                                 |                                    | 197                                |                                    |                             | -  |

# TABLE C.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK, WEEKLY EARNINGS,

|             |                                | Num-<br>ber                    | Num-                           |   | Aver-                      | Aver-<br>age<br>full-                 | Emple | oyees w                   |     | full-tim<br>were—                 | e hour                    | s per |
|-------------|--------------------------------|--------------------------------|--------------------------------|---|----------------------------|---------------------------------------|-------|---------------------------|-----|-----------------------------------|---------------------------|-------|
| Line<br>No. | Occupation, sex, and<br>State. | of<br>estab-<br>lish-<br>ments | ber of<br>em-<br>ploy-<br>ees. | age<br>full-<br>time<br>hours<br>per<br>week. | rate<br>of<br>wages<br>per | time<br>week-<br>ly<br>earn-<br>ings. | 48    | 51<br>and<br>under<br>54. | 54. | Over<br>54<br>and<br>under<br>57. | 57<br>and<br>under<br>60. | 60.   |

#### SOLE-LEATHER DEPARTMENT-Concluded.

| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9 | Channelers, insole and outsole, male: Illinois. Maine. Massachusetts. Missouri. New Hampshire New York. Ohio Pennsylvania. Other States. Total. | 6<br>5<br>35<br>9<br>6<br>12<br>8<br>9<br>17 | 12<br>11<br>99<br>19<br>15<br>32<br>18<br>23<br>26 | 54. 1<br>58. 1<br>54. 1<br>57. 4<br>55. 0<br>52. 7<br>55. 7<br>55. 8<br>57. 3 | .378<br>.295<br>.382<br>.355<br>.293<br>.253<br>.313 | 18. 79<br>20. 47<br>16. 95<br>20. 98<br>18. 73<br>16. 30<br>14. 22<br>17. 93 | 6 | 3<br>9<br>15<br>1 | 2<br>49<br>6<br>2<br>6<br>2<br>67 | 7<br>34<br>15<br>9<br>15<br>7<br>11 | 13<br>3<br>9<br>3 | 10 | 7 |
|---|---|--|--|---|--|--|---|-------------------|-----------------------------------|-------------------------------------|-------------------|----|---|
|---|---|--|--|---|--|--|---|-------------------|-----------------------------------|-------------------------------------|-------------------|----|---|

#### FITTING OR STITCHING DEPARTMENT.

| 10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20       | Tip stitchers, female: Illinois  | 5<br>5<br>48<br>11<br>8<br>4<br>13<br>8<br>9<br>4       | 21<br>16<br>174<br>49<br>35<br>12<br>43<br>26<br>30<br>18               | 54. 0<br>57. 9<br>53. 8<br>53. 7<br>55. 0<br>52. 3<br>53. 8<br>53. 3<br>55. 0                   | \$0. 244<br>. 238<br>. 251<br>. 187<br>. 229<br>. 202<br>. 283<br>. 202<br>. 182<br>. 200                | 13.52<br>10.05<br>12.59<br>11.11<br>14.78<br>10.86<br>9.73<br>9.92                            | 3<br>4<br>11  | 29<br>14<br>14<br>14     | 12                                    | 35      | 16 |  |
|--|--|---|---|---|--|---|---------------|--------------------------|---------------------------------------|---------|----|--|
|  | Total  | 124   | 442   | 54.0  | . 231  | 12.45   | 23            | 64                       | 257                                   | 78      | 20 |  |
| 21<br>22<br>23<br>24<br>25<br>26<br>27<br>28<br>29<br>30<br>31       | Backstay stitchers, female: Illinois. Maine. Massachusetts. Minnesota. Missouri. New Hampshire. New York. Ohio. Pennsylvania. Wisconsin. Other States.   | 55<br>50<br>3<br>11<br>9<br>11<br>8<br>9<br>4           | 24<br>18<br>204<br>9<br>69<br>48<br>41<br>53<br>15                      | 53. 7<br>54. 0<br>53. 7<br>55. 0<br>52. 6<br>53. 8<br>53. 0<br>55. 0<br>56. 0                   | . 252<br>. 178<br>. 238<br>. 252<br>. 178<br>. 200<br>. 251<br>. 184<br>. 161<br>. 183<br>. 205          | 10. 27<br>12. 81<br>13. 63<br>9. 57<br>11. 02<br>13. 17<br>9. 88<br>8. 59<br>10. 05<br>11. 43 | 12<br>5<br>11 | 6<br>20<br>14<br>20<br>5 | 6<br>172<br>9<br>64<br>14<br>21<br>37 | 69<br>9 | 18 |  |
|  | Total  | 125   | 575   | 54.0  | . 213  | 11. 47  | 39            | 65                       | 330                                   | 115     | 26 |  |
| 32<br>33<br>34<br>35<br>36<br>37<br>38<br>39<br>40<br>41<br>42<br>43 | Lining makers, female: Illinois: Maine Massachusetts Minnesota Missouri New Hampshire. New Jersey New York Ohio Pennsylvania Virginia Other States Total | 55<br>50<br>3<br>10<br>9<br>4<br>13<br>8<br>9<br>3<br>7 | 52<br>45<br>356<br>19<br>84<br>105<br>24<br>128<br>77<br>72<br>17<br>25 | 53. 9<br>57. 9<br>53. 7<br>54. 0<br>53. 6<br>55. 0<br>55. 0<br>51. 8<br>53. 2<br>59. 0<br>54. 4 | . 240<br>. 190<br>. 220<br>. 197<br>. 168<br>. 160<br>. 202<br>. 220<br>. 178<br>. 171<br>. 137<br>. 155 | 11. 00<br>11. 81<br>10. 66<br>9. 04<br>8. 82<br>11. 09<br>11. 41<br>9. 60<br>9. 10<br>8. 07   | 20<br>7<br>51 | 34<br>44                 | 19<br>77<br>                          | 9       | 17 |  |
|  | 10001  | 120   | 1,004   |   | . 130  | 10.05   | 31            | 124                      |                                       |         |    |  |
|  |  |   |   |   |  |   |               |                          |                                       |         |    |  |

| Cents   S   Cents |           |                             |                    |                 | <del></del> | ur were            | per ho             | of wages           | e rates o          | es whos            | mploye             | E                  |                    |                   |                      |
|---|-----------|-----------------------------|--------------------|-----------------|-------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------------|----------------------|
|   | ats<br>ad | 50<br>cents<br>and<br>over. | and<br>under<br>50 | nd<br>der<br>10 | une<br>4    | and<br>under<br>30 | and<br>under<br>25 | and<br>under<br>20 | and<br>under<br>18 | and<br>under<br>16 | and<br>under<br>14 | and<br>under<br>12 | and<br>under<br>10 | and<br>under<br>8 | 6                    |
|   |           |                             |                    |                 | ded.        | -Conclu            | ENT-               | ARTM               | DEP.               | ATHE               | LE-LE              | SOI                |                    |                   |                      |
|   |           |                             | 9                  | 7               |             | 1                  | 1                  |                    | 1                  |                    |                    |                    |                    |                   |                      |
|   | 8         | • • • • • • •               | 1                  | 7               |             |                    | 3                  |                    |                    |                    |                    |                    |                    |                   |                      |
|   |           |                             | 1 .                | 8               |             | 7                  | 1                  |                    |                    | 2                  |                    |                    |                    |                   |                      |
|   | 2         |                             | 5                  | 20              | ļ           | 6                  |                    |                    |                    |                    |                    |                    |                    |                   |                      |
| FITTING OR STITCHING DEPARTMENT.  |           |                             | 2                  | 7               |             | 5                  | 4                  |                    |                    |                    |                    |                    |                    |                   |                      |
| FITTING OR STITCHING DEPARTMENT.  2 2 2 2 7 4 7 4 7 4 7 1 7 1 7 1 7 1 7 1 7 1 7 1   | 2         |                             | 1                  | 11              |             | . 7                | 5                  | 2                  |                    |                    | 2                  |                    |                    |                   | · • • • • • • •      |
| FITTING OR STITCHING DEPARTMENT.  2 2 2   | 13        | ب خوشی                      | 33                 | 131             |             | 50                 |                    | 2                  |                    | 4                  |                    |                    | <u> </u>           |                   |                      |
| 2 2 1 7 1 2 1 4 7 4 1 1 1 1 1 4 3 4 4 1 1 1 1 1 1 1 1 1 1   |           |                             |                    |                 | <u> </u>    |                    |                    |                    |                    |                    |                    | <u>-</u>           | 1                  | 1                 |                      |
| 1   |           |                             |                    |                 | NT.         | RTME!              | DEPAR              | HING 1             | TITCI              | or s               | TTING              | FI'                |                    |                   |                      |
| 1   3   5   4   13   6   11   4   2   | 1         |                             | ,                  |                 |             |                    |                    |                    |                    |                    |                    |                    |                    |                   |                      |
| 1   3   5   4   13   6   11   4   2   | • • • •   | •••••                       |                    | 41.             |             | 7                  | 4                  | 2                  |                    |                    | 2                  |                    |                    |                   | · • • • • •          |
| 1   3   5   4   13   6   11   4   2   |           |                             | 2                  |                 |             | 33                 | 56                 | 17                 | 13                 | 7                  |                    | 1                  |                    |                   | <b>.</b>             |
|   |           |                             | . • • • • • • • •  | -11             |             | 4                  | 11                 | 6                  | 13                 | 4                  |                    | 3                  | 1                  |                   | · · • · · · ·        |
|   |           |                             |                    | .               |             | í                  | 5                  | 1                  | 3                  | 2                  |                    |                    |                    |                   | <b>.</b><br><b>.</b> |
| 3   |           |                             | 4                  |                 |             | 16                 | 8                  |                    | 2                  | , 2                |                    |                    | ••••               |                   | • • • • • •          |
|   |           |                             |                    | i):             | 1           | 1                  | 9                  | 3                  | i                  |                    | 1                  |                    | 3                  |                   |                      |
|   |           |                             |                    |                 |             | 1                  | 4                  | 4                  | 3                  | 4                  |                    |                    |                    |                   | • • • • • •          |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$   |           |                             |                    |                 | ·           | I——                |                    |                    |                    |                    | !                  |                    | ļ—.                |                   |                      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$   |           |                             | 6                  | 69              |             | 83                 | 129                | 46                 | 45                 | 35                 | 15                 | 7                  | 7                  |                   | <del></del>          |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$   |           | ļ                           | )                  |                 |             |                    |                    |                    |                    | 1                  |                    | •                  | ļ                  |                   |                      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$   |           |                             |                    | 2               |             | 8                  | 11<br>6            | 1 3                | 1 5                |                    | 1                  | ¦                  |                    |                   | • • • • • •          |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$   |           |                             | 5                  |                 |             | 35                 | 77                 | 18                 | 19                 |                    | Ī                  | 7                  |                    |                   |                      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$   |           |                             |                    | 3               |             | 1 5                | 18                 | 8                  | 1 7                | 9                  | 5                  |                    |                    | ·····i            | . <b></b>            |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$   |           |                             |                    | 5               | (           | 5                  | 25                 | 8                  | 12                 | 7                  | 2                  | 4                  | Ĭ                  |                   | · · · · · · · ·      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$   |           |                             | 1                  |                 | 3           | 13                 | 13                 | 12                 | 4                  | 2                  | 3                  |                    |                    |                   | • • • • • •          |
|   | )         |                             |                    | -11             | i.          | 4                  | Ĭ                  | 6                  | Š                  | 19                 | 8                  |                    | . 2                |                   | <b>.</b>             |
|   |           |                             |                    | 1               |             |                    | 5                  |                    | 3                  | 3                  | 3                  | ·····;             |                    | .                 |                      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$   |           |                             |                    |                 | -           |                    |                    |                    |                    | ]                  |                    |                    |                    | -                 |                      |
|   |           |                             | 6                  | 55              | <u> </u>    | 81                 | 174                | 66                 | 68                 | 58                 | 27                 | 29                 |                    |                   |                      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$   |           |                             |                    | -               |             | 14                 | 16                 |                    | ١,                 |                    |                    | į ,                | `                  | 1                 |                      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$   | 1         |                             |                    | 2               | .           |                    | 18                 | 6                  | 4                  | 9                  | 4                  |                    |                    |                   |                      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$   |           |                             | 5                  | 33              |             | 60                 | 110                | 57                 | 1 40               | 23                 | 13                 | ή - ξ              | 1                  |                   |                      |
| [1, 1, 1] $[2]$ $[3]$ $[13]$ $[13]$ $[14]$ $[18]$ $[14]$ $[13]$ $[7]$ $[1, 1]$  |           |                             |                    | 2               |             |                    | 17                 | l l                | 13                 | a                  | ) 3                | 10                 | 6                  |                   |                      |
|   | }         |                             |                    |                 | d           | 7                  | 13                 | 14                 | 18                 | 14                 | 15                 | 13                 | 2 9                | ] :               |                      |
| 1 5 3 1 2 4 8<br>1 4 6 12 19 9 38 19 19 1   |           |                             | ••••••             |                 |             | 8                  | 4                  | 2                  | 1 1                | 3                  | L) 5               | : :                | · ;                |                   |                      |
| 1 4 6 12 19 9 38 19 19 1  |           |                             |                    | 19              |             | 19                 | 22                 | 10                 | 14                 | ) 12               | 10                 |                    | :                  |                   |                      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$   | 1         |                             |                    | 4               | 7           | 7                  | 10                 | 3                  | 8                  | [ 18               | 7 7                | 5                  | 3                  |                   |                      |
|   |           | 1                           |                    |                 | -[          |                    |                    | 3                  | 1 5                | 1 1                | 2 3                |                    | 1 3                | -[                | •••••                |
|   |           | 1                           |                    |                 |             |                    |                    |                    |                    | -, 0               |                    |                    |                    |                   |                      |

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257

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# Table C.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK, WEEKLY EARNINGS,

|             |                                | Num-                                  | Num-                           | A ver-                 | Aver-        | Aver-<br>age<br>full- | Empl | oyees w                   |     | full-tim<br>were—                 | e hour                    | s per |
|-------------|--------------------------------|---------------------------------------|--------------------------------|------------------------|--------------|-----------------------|------|---------------------------|-----|-----------------------------------|---------------------------|-------|
| Line<br>No. | Occupation, sex, and<br>State. | ber<br>of<br>estab-<br>lish-<br>ments | ber of<br>em-<br>ploy-<br>ees. | full-<br>time<br>hours | wages<br>per | time<br>week-         |      | 51<br>and<br>under<br>54. | 54. | Over<br>54<br>and<br>under<br>57. | 57<br>and<br>under<br>60. | 60.   |

#### FITTING OR STITCHING DEPARTMENT-Continued.

|  | FITTING  | OR  | STITC   | HING  | DEP  | ART   | MENT-          | -Cont                     | inued.                                    |                           |    |   |
|--|--|---|---|---|--|---|----------------|---------------------------|---|---------------------------|----|---|
| 1<br>2<br>3<br>4<br>5<br>6<br>7  | Closers-on, female: Illimois   | 4<br>35<br>12<br>9<br>8<br>2<br>15                            | 12<br>124<br>63<br>63<br>51<br>12<br>35                                   | 54. 2<br>53. 9<br>53. 7<br>51. 9<br>52. 9<br>55. 0<br>55. 5                                     | \$0. 244<br>. 224<br>. 182<br>. 213<br>. 166<br>. 172<br>. 211                         | \$13. 22<br>12. 07<br>9. 78<br>11. 07<br>8. 84<br>9. 47<br>11. 68                   | 18<br>12       | 3<br>12<br>27<br>4<br>8   | 1<br>109<br>58<br>18<br>35<br>7           | 12<br>10                  | 10 |   |
| - 1  | Total  |   | 300   | 55. 0   | . 204  | 10. 95  |                |                           |   | 30                        | 10 |   |
| 8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20 | Top stitchers or under trimmers, female: Illinois. Maine Massachusetts. Minnesota. Missouri. New Hampshire. New Jersey. New York. Ohio Pennsylvania. Virginia Wisconsin. Other States. | 5<br>50<br>33<br>12<br>9<br>4<br>14<br>18<br>9<br>2<br>4<br>3 | 44<br>43<br>481<br>18<br>197<br>171<br>24<br>197<br>115<br>69<br>14<br>37 | 54. 0<br>57. 9<br>53. 7<br>54. 0<br>53. 7<br>55. 0<br>52. 7<br>53. 8<br>53. 3<br>59. 0<br>54. 0 |  | 10. 17<br>11. 17  | 18<br>14<br>39 | 10<br>83<br>48<br>59<br>2 | 12<br>380<br>18<br>183<br>110<br>56<br>56 | 171<br>24                 | 43 |   |
|  | Total  | 128   | 1,427   | 54.0  | . 220  | 11.87   | 82             | 202                       | 832                                       | 254                       | 57 |   |
| 21<br>22<br>23<br>24<br>25<br>26   | Button fasteners, fe- male: Massachusetts Missouri. New York Ohio Pennsylvania. Other States   | 33<br>10<br>13<br>6<br>8<br>24                                | 57<br>27<br>30<br>17<br>16<br>48  | 53. 6<br>53. 5<br>51. 6<br>53. 7<br>53. 5<br>55. 5  | . 195<br>. 250<br>. 188<br>. 156   | 10. 44<br>12. 90<br>10. 07<br>8. 33   | $\frac{3}{11}$ | 19<br>14<br>12            | 24<br>5                                   | 27                        | 11 |   |
|  | Total  | 94  | 195   | <b>53.</b> 8  | . 211  | 11.32   | 19             | 46                        | 92  | 27                        | 11 |   |
| 27<br>28<br>29<br>30<br>31<br>32<br>33<br>34<br>35<br>36<br>37           | Buttonhole makers, fe- male: Illinois. Maine. Massachusetts Missouri. New Hampshire. New Jersey. New York. Ohio. Pennsylvania. Wisconsin. Other States.                                | 55<br>42<br>9<br>9<br>4<br>12<br>8<br>7<br>4<br>8             | 10<br>20<br>161<br>67<br>24<br>11<br>61<br>46<br>37<br>11                 | 54. 2<br>58. 0<br>53. 7<br>55. 0<br>55. 0<br>51. 4<br>53. 7<br>53. 6<br>55. 0<br>55. 9          | . 283<br>. 238<br>. 202<br>. 188<br>. 184<br>. 240<br>. 190<br>. 170<br>. 194<br>. 162 | 12. 77<br>10. 82<br>10. 37<br>10. 11<br>12. 33<br>10. 19<br>9. 13<br>10. 68<br>8 98 | 28             | 2<br>45<br>18<br>35       | 108<br>62<br><br>15<br>11<br>33           | 24<br>11                  | 7  |   |
|  | Total  | 113   | 466   | 53.8  | . 217  | 11.65   | 44             | 101                       | 242                                       | 52                        | 27 |   |
| 38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46                       | Vampers, male: Illinois. Maine. Massachusetts Missouri New Hampshire. New Jersey. New York. Pennsylvania Other States  | 4<br>4<br>38<br>5<br>9<br>3<br>8<br>3<br>8                    | 38<br>12<br>368<br>19<br>69<br>10<br>47<br>31<br>30                       | 54. 2<br>58. 1<br>54. 2<br>57. 2<br>55. 0<br>55. 0<br>52. 5<br>56. 7<br>58. 2                   | . 322<br>. 347<br>. 274<br>. 281<br>. 284<br>. 401<br>. 338                            | 18. 72<br>18. 79<br>15. 55<br>15. 48<br>15. 63<br>21. 05<br>19. 24                  | 7              | 34<br>32<br>10            |   | 28<br>90<br>69<br>10<br>8 | 12 |   |
|  | Total  | 82  | 624   | 54. 6   | . 333  | 18. 14  | 16             | 87                        | 243                                       | 211                       | 58 | 9 |
|  | '  | ===   |   |   |  | J   | -              |                           |   |                           |    |   |

|                      |                                  |                              |                                      |                              |                              |                                    |                                    | í                                  |                                    |   |                              |                             | 1           |
|----------------------|----------------------------------|------------------------------|--------------------------------------|------------------------------|------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|---|------------------------------|-----------------------------|-------------|
| Under<br>6<br>cents. | 6<br>and<br>under<br>8<br>cents. | and<br>under<br>10<br>cents. | and<br>under<br>12<br>cents.         | and<br>under<br>14<br>cents. | and<br>under<br>16<br>cents. | 16<br>and<br>under<br>18<br>cents. | 18<br>and<br>under<br>20<br>cents. | 20<br>and<br>under<br>25<br>cents. | 25<br>and<br>under<br>30<br>cents. | 30<br>and<br>under<br>40<br>cents.      | and<br>under<br>50<br>cents. | 50<br>cents<br>and<br>over. | Line<br>No. |
|                      |                                  | F                            | ITTIN                                | G OR                         | STITO                        | HING                               | DEPA                               | RTMI                               | ENT—(                              | ontinue                                 | d.                           |                             |             |
|                      |                                  |                              | 1                                    |                              | 2                            | <b>.</b>                           | <br> - <b></b>                     | 2                                  | 5<br>33                            | 2                                       |                              |                             |             |
| • • • • • •          | 1                                | 1                            | 3                                    | 10                           | 2<br>6<br>9<br>4<br>7        | 10<br>10                           | 11<br>8<br>5<br>7                  | 2<br>44<br>17<br>17                | 4                                  | 7                                       | 1                            |                             |             |
|                      |                                  |                              | 4                                    | 5                            | 4                            | 8                                  | 5                                  | 17                                 | 17                                 | 3                                       |                              |                             |             |
| • • • • • •          | · · · · · · ·                    | 8                            | $\begin{vmatrix} 2\\1 \end{vmatrix}$ | 8                            | 7                            | 8<br>5<br>1<br>2                   | 7 3                                | 11<br>1                            | 3<br>1                             |   |                              | • • • • • • • •             |             |
|                      |                                  | i                            | î                                    | 1 3                          | 3                            | 2                                  | 3 6                                | 9                                  | Ĝ                                  | 4                                       |                              |                             | .]          |
|                      | 1                                | 11                           | 16                                   | 33                           | 35                           | 36                                 | 40                                 | 101                                | 69                                 | 17                                      | 1                            |                             | -           |
|                      |                                  |                              |                                      |                              |                              |                                    |                                    | 101                                |                                    |   |                              | =                           | _           |
|                      | Î                                |                              |                                      |                              |                              |                                    | ļ                                  |                                    |                                    |   |                              | İ                           | 1           |
|                      |                                  | 1                            | 2                                    | 3                            | 2                            | 2                                  | 1                                  | 17                                 | 10                                 | 5                                       | 1                            | <b> </b>                    | ļ           |
|                      |                                  |                              |                                      | . <b></b>                    | 3<br>31<br>1                 | 2 7                                | 5                                  | 18                                 | 6                                  | 3                                       |                              | 1                           |             |
| • • • • •            |                                  |                              | 9                                    | 15                           | 31                           | 42<br>2<br>26<br>18                | 44<br>1                            | 169<br>7                           | 94<br>4                            | 59<br>3                                 | 17                           | 1                           | 4           |
|                      |                                  |                              | 11                                   | 21                           | 40                           | 26                                 | 28                                 | 41                                 | 20<br>25                           | 10                                      |                              |                             |             |
|                      |                                  | 1                            | 8                                    | 12                           | 16                           | 18                                 | 28<br>28<br>6                      | 57                                 | 25                                 | 6                                       |                              |                             | .[ :        |
|                      |                                  |                              |                                      |                              | 6                            | 6<br>13                            | 14                                 | 6<br>55                            | 5<br>62                            | 39                                      | 5                            | ·····i                      |             |
| . <b></b>            | i                                | i                            | 12                                   | 2<br>3<br>7                  | 13                           | 16                                 | 17                                 | 31                                 | 15                                 | 6                                       |                              |                             |             |
|                      |                                  | 3                            | 5                                    | 7                            | 18                           | 9                                  | 5                                  | 15                                 | 4<br>1                             | 3                                       |                              |                             | 4           |
| <b></b> .            |                                  | i                            | 1                                    | 3                            | 3<br>7<br>2                  | 8<br>5                             | 3<br>3<br>2                        | 14                                 |                                    | 1                                       |                              |                             |             |
|                      |                                  |                              | 3                                    |                              | 2                            | 5                                  | 2                                  | 3                                  | 2                                  |   |                              |                             |             |
|                      | 1                                | 7                            | 51                                   | 66                           | 142                          | 156                                | 157                                | 437                                | 248                                | 136                                     | 23                           | 3                           | í           |
|                      |                                  | <u> </u>                     |                                      |                              |                              |                                    | =                                  | ====                               |                                    |   |                              |                             | -           |
|                      |                                  |                              |                                      | İ                            | ļ                            |                                    |                                    |                                    | İ                                  |   |                              | l                           |             |
|                      |                                  | 1                            | 5                                    | 1 7                          | 3                            | 10                                 | 4                                  | 15<br>12                           | 9                                  | 7                                       | 2                            |                             |             |
| • • • • • • •        |                                  |                              | <sub>2</sub>                         | 7                            | 1                            | 10<br>3<br>3<br>1<br>2<br>4        | 1                                  | 12                                 | 8                                  | 1 6                                     |                              |                             |             |
|                      | ····i                            |                              | ĺí                                   | i                            | 2                            | ı                                  | 1 4                                | 5<br>3                             | ı                                  | i                                       |                              |                             |             |
|                      |                                  | 1                            | 1 1 5                                | 6                            | 1 6                          | 2                                  | 2                                  | 3                                  |                                    |   |                              |                             |             |
| • • • • • • •        |                                  |                              |                                      | 3                            | 6                            | 4                                  | 6                                  | 10                                 | 6                                  | 8                                       |                              | •••••                       | . 2         |
|                      | 1                                | 3                            | 14                                   | 18                           | 13                           | 23                                 | 21                                 | 49                                 | 26                                 | 23                                      | 4                            |                             | .]          |
|                      | -                                |                              |                                      |                              |                              |                                    |                                    |                                    |                                    |   |                              | ====                        | 4           |
|                      |                                  |                              |                                      |                              |                              |                                    |                                    |                                    |                                    |   |                              | i                           | 1           |
|                      | 1                                |                              | 1                                    | 1                            |                              |                                    | ;                                  | 1 4                                | 2                                  | 3                                       |                              | <b></b>                     | 2           |
|                      |                                  | ····i                        | 7                                    | 6                            | 1 8                          | 14                                 | 23                                 | 46                                 | 2<br>3<br>25<br>10                 | 11<br>21                                | 8                            |                             | إ           |
|                      |                                  | 2                            | 7                                    | 5                            | 8                            |                                    | 8                                  | 10                                 |                                    | 9                                       |                              |                             | .  :        |
| • • • • • •          |                                  |                              | 7<br>7<br>2<br>1                     | 6<br>5<br>1                  | 1                            | 4 2                                | 23<br>8<br>8<br>8                  | 6                                  | 2                                  | · • • • • • • • • • • • • • • • • • • • | •••••                        |                             | -  -        |
|                      |                                  |                              |                                      |                              |                              | 4                                  | 9                                  | 26                                 | 16                                 | 4                                       | 2                            |                             |             |
|                      | 1                                |                              | 1 3                                  | 4                            | 6                            | 12                                 | 9                                  |                                    | 5                                  | 1                                       |                              |                             | .  :        |
|                      | 1                                | <b>⊢</b>                     | 1 ^                                  |                              |                              |                                    |                                    |                                    |                                    |   |                              |                             |             |
|                      |                                  | 5                            | 3                                    | 4                            |                              | 6                                  | 4                                  | 7                                  | 4                                  |   |                              | •••••                       |             |
|                      | 2                                |                              |                                      | 3                            |                              | 1                                  | 1 3                                | 6                                  |                                    |   |                              |                             |             |

# Table C.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK; WEEKLY EARNINGS,

|             |                                | Num-                                  | Num-                           | A ver-        | Aver-                               | Aver-<br>age<br>full- | Empl                              | oyees v                   |     | full-tin<br>were—                 | ne hour                   | s per |
|-------------|--------------------------------|---------------------------------------|--------------------------------|---------------|-------------------------------------|-----------------------|-----------------------------------|---------------------------|-----|-----------------------------------|---------------------------|-------|
| Line<br>No. | Occupation, sex, and<br>State. | ber<br>of<br>estab-<br>lish-<br>ments | ber of<br>em-<br>ploy-<br>ees. | full-<br>time | rate<br>of<br>wages<br>per<br>hour. | time<br>week-<br>ly   | Over<br>48<br>and<br>under<br>51. | 51<br>and<br>under<br>54. | 54. | Over<br>54<br>and<br>under<br>57. | 57<br>and<br>under<br>60. | 60.   |

#### FITTING OR STITCHING DEPARTMENT—Concluded.

|      | Vampers, female: | ار  |       |       |       |          |           |     | _   |     |      |   |
|------|------------------|-----|-------|-------|-------|----------|-----------|-----|-----|-----|------|---|
| 1    | Illinois         | 5   | 44    |       |       | \$15, 25 |           | 17  | 5   | 22  |      |   |
| 2    | Maine            | 5   | 63    | 58.0  |       | 15.66    |           |     |     |     | 63   |   |
| 3    | Massachusetts    | 45  | 420   | 53. 7 |       | 14.69    |           | 73  | 327 |     |      |   |
| 4    | Minnesota        | 3   | 30    | 54.0  | . 269 | 14. 55   |           |     | 30  |     |      |   |
| 5 Ì  | Missouri         | 12  | 192   | 53. 7 | . 245 | 13, 16   | 15        |     | 177 |     | !    | · |
| 6    | New Hampshire    | 8   | 122   | 55.0  | . 252 | 13.87    | - <b></b> |     |     | 122 |      |   |
| 7    | New Jersey       | 4   | 24    | 55. 0 | 235   | 12.93    |           |     |     | 24  |      |   |
| 8    | New York         | 13  | 163   | 52.0  | . 291 | 15.12    | 44        | 67  | 52  |     |      |   |
| 9    | Ohio             | 8   | 155   | 53.8  | . 211 | 11, 37   |           | 85  | 70  |     |      |   |
| 10 l | Pennsylvania     | 9   | 101   | 52. 8 | 107   | 10, 41   | 29        | 6   | 66  |     |      |   |
| īi [ | Virginia         | 2   | 14    | 59.0  | . 215 | 12.68    |           |     |     |     | 14   |   |
| ī2   | Wisconsin        | 4   | 30    | 55. 0 | . 226 |          |           |     |     | 30  |      |   |
| 13   | Other States     | 3   | 25    | 54.0  | .198  | 10.67    |           |     | 25  |     |      |   |
|      | Total            | 101 | 1 202 | E2 0  | 054   | 13, 66   | 108       | 248 | 752 | 198 | 77   |   |
| ı    | Total            | 121 | 1,383 | 53.9  | . 254 | 19.00    | 100       | 248 | 752 | 198 | 1 44 | • |

#### LASTING DEPARTMENT.

| Total  |      |                         |     |     |      |                  |          |             |             |      |     |            |     |
|--|------|-------------------------|-----|-----|------|------------------|----------|-------------|-------------|------|-----|------------|-----|
| 15   |      | over machine, male:     |     |     |      |                  |          |             |             |      |     |            |     |
| 16   |      | Illinois                |     |     | 53.7 | <b>\$</b> 0. 339 | \$18, 18 |             | 13          | 4    | 17  |            |     |
| Minnesota  |      | Maine                   |     |     |      |                  |          |             |             | •••• |     |            |     |
| 18   |      |                         | 28  | 255 |      |                  | 17.80    |             | 3           | 155  | 89  | 8          |     |
| New Hampshire  |      | Minnesota               | 3   | 15  |      |                  | 18, 54   |             |             |      |     |            | 15  |
| 19   | 18   | Missouri                | 12  |     |      | . 242            | 13.41    |             | \           | 77   |     | 42         | · 1 |
| New York   10   127   52   8   283   14   95   26   51   6   44  | 19   | New Hampshire           |     |     | 55.0 |                  |          |             |             |      |     | l          |     |
| New York   | 20   | New Jersev              | 1 3 | 25  | 55.0 | . 273            | 15.01    |             | l- <b></b>  |      | 25  | l          |     |
| 23   |      | New York                | 10  | 127 | 52.8 | . 283            | 14.95    | 26          | 51          | 6    |     |            |     |
| Pennsylvania   |      | Ohio                    | 8   | 56  | 56.4 | . 313            | 17. 73   | 1           |             |      | 37  | 19         |     |
| 24         Virgina         3         15         59.0         243         14.35          15         20           26         Wisconsin         4         24         59.2         217         12.77          4         8          20           Total         97         801         55.0         .291         16.02         32         69         272         275         118         35           Pullers-over, hand, male:         3         92         54.7         .388         21.26         8         8         84          84          228         Missouri         3         92         54.7         .388         21.26         8         8         84          8          84          8          84           8          8          8          8          8          8          8          8          8          8          8          8          8          8          8 <td>23</td> <td>Pennsylvania</td> <td>6</td> <td>32</td> <td></td> <td></td> <td></td> <td></td> <td>2</td> <td>26</td> <td>4</td> <td></td> <td></td>   | 23   | Pennsylvania            | 6   | 32  |      |                  |          |             | 2           | 26   | 4   |            |     |
| Total  | 24   | Virginia                |     |     |      |                  | 14. 35   |             | ·           |      | l   | 15         |     |
| Total  |      | Wisconsin.              |     |     |      |                  |          |             |             |      | 4   | l          | 20  |
| Total. 97 801 55.0 .291 16.02 32 69 272 275 118 35 Pullers-over, hand, male: 3 92 54.7 .388 21.26 8 8 84 28 Massachusetts 23 285 54.4 .346 18.79 39 148 98 29 Missouri 3 15 57.0 .3552 20.01 6 9 30 New York 5 40 53.3 .370 19.68 1 13 21 5 31 Ohio 3 29 55.0 .361 19.83 29 Pennsylvania 6 75 56.6 .282 16.05 3 17 6 49 30 Other States 3 7 57.0 .334 18.99 31 Ohio 32 Pennsylvania 6 5 36 58.0 .381 18.99 32 Pennsylvania 5 34 54.8 .347 18.99 1 63 192 225 62  Pullers-over, machine, male: 34 Illinois 5 24 53.5 .395 21.15 35 Maine 5 36 58.0 .360 20.93 36 Massachusetts 42 22.88 54.4 .406 22.07 10 10 121 94 3 37 Minnesota 3 15 60.0 .343 20.58 38 Missouri 12 64 56.2 .353 19.76 3 39 New Hampshire 8 8 4 55.0 .311 17.12 84 Missouri 17 95 29 40 New York 14 79 52.9 .405 21.37 16 29 4 30 41 Ohio 8 42 56.0 .388 21.80 41 Ohio 8 42 56.0 .388 21.80 41 Ohio 18 42 56.0 .388 21.80 41 13 5 42 Pennsylvania 6 19 54.3 .330 17.89 43 Wisconstin 4 14 58.2 .318 18.52 5 9 25 56.2 .371 20.82 2 15 8   |      | Other States            |     |     |      |                  |          |             |             | 4    | , ĝ | [          |     |
| Pullers-over, hand, male:  27  | 20   | Omer states             |     |     | 01.7 | . 203            | 10.00    |             |             |      |     |            |     |
| Pullers-over, hand, male:  27  | 1    | Total                   | 07  | 801 | 55.0 | 201              | 16.02    | 32          | 60          | 272  | 275 | 118        | 35  |
| 27   | [    | 10001                   |     |     | 00.0 | . 201            | 10.02    |             |             | 2.2  | 210 | 110        |     |
| 27   |      | Pullers-over hand male: |     |     |      |                  |          |             |             |      |     |            |     |
| 28         Massachusetts         23         285         54, 4         346   18, 79           39   148   98           98             29         Missouri         3         15   57, 0   352   20, 01           6   9           9             30         New York         5   40   53, 3   370   19, 68           1   13   21   5           29             31         Ohio         3   29   55, 0   361   19, 83           29           29             32         Pennsylvania         6   75   56, 6   282   16, 05           3   17   6   49           3   4             Total         46   543   54, 8   347   18, 99           1   63   192   225   62           1   10           3   4             Pullers-over, machine, male:         5   36   58, 0   360   20, 93           3   15   60           3   15   60           3   15   60           3   15   60           3   30           3   30           3   15   30           3   30 | 07 1 | Tilinois                | ,   | 00  | 84.7 | 200              | 21 26    | į.          | ۰           | !    | 0.1 | 1          |     |
| Missouri   |      | Magaa shugatta          |     |     |      |                  |          |             |             |      |     |            |     |
| New York   |      | Massachusetts           |     |     |      |                  |          |             | 39          |      | 98  |            |     |
| 31   |      | Missouri                | 3   |     |      |                  | 20.01    |             |             |      |     | 9          |     |
| Pennsylvania   |      | New York                | 5   | 40  |      |                  | 19.68    | 1           | 13          | 21   |     |            |     |
| Total  |      | Onio                    | 3   | 29  |      |                  |          |             | - <b></b>   | •••• |     |            |     |
| Total. 46 543 54.8 .347 18.99 1 63 192 225 62  Pullers-over, machine, male:  34 Illinois. 5 24 53.5 .395 21.15 11 3 10 36.  35 Maine. 5 36 58.0 .360 20.93 36.  36 Massachusetts. 42 238 54.4 .406 22.07 10 10 121 94 3 36.  37 Minnesota. 3 15 60.0 .343 20.58 15  38 Missouri 12 64 56.2 .353 19.76 3 30 15  39 New Hampshire. 8 84 55.0 .311 17. 12 84 40  New York 14 79 52.9 .405 21.37 16 29 4 30 41  Ohio. 8 42 56.0 .388 21.80 31 11  42 Pennsylvania 6 19 54.3 .330 17.89 1 13 5 43  43 Wisconstin 4 14 58.2 .318 18.52 5 9  44 Other States. 9 25 56.2 .371 20.82 2 15 8   |      | Pennsylvania            |     | 75  |      |                  |          |             | 3           | 17   |     |            |     |
| Pullers-over, machine, male:           34         Illinois         5         24         53.5         .395         21.15         11         3         10         .36           35         Maine         5         36         58.0         .360         20.93          .36         .36           36         Massachusetts         42         238         54.4         .406         22.07         10         10         121         94         3          .37         Minnesota         3         15         60.0         .343         20.58             15         38         Missouri          12         64         56.2           31         15   .   | 33   | Other States            | 3   | 7   | 57.0 | . 334            | 18.99    |             |             |      | 3   | 4          |     |
| Pullers-over, machine, male:           34         Illinois         5         24         53.5         .395         21.15         11         3         10         .36           35         Maine         5         36         58.0         .360         20.93          .36         .36           36         Massachusetts         42         238         54.4         .406         22.07         10         10         121         94         3          .37         Minnesota         3         15         60.0         .343         20.58             15         38         Missouri          12         64         56.2           31         15   .   |      | '                       |     |     |      |                  |          | <del></del> | i           |      |     | <b> </b> - |     |
| male:     male:  |      | Total                   | 46  | 543 | 54.8 | . 347            | 18.99    | 1           | 63          | 192  | 225 | 62         |     |
| male:     male:  |      |                         | _== |     |      |                  |          |             | <del></del> |      |     |            |     |
| male:     male:  |      | Pullers-over, machine,  |     |     |      | l .              |          |             |             |      |     |            |     |
| 35   Maine     5   36   58.0   360   20.93   | i    | male:                   |     |     |      | · '              |          | ľ           |             |      |     |            | ' I |
| 35   Maine   | 34   | Illinois                | 5   | 24  | 53.5 | . 395            | 21.15    |             | - 11        | 3    | 10  |            |     |
| 36         Massachusetts         42         238         54.4         406         22.07         10         10         121         94         3           37         Minnesota         3         15         60.0         .343         20.58          15           38         Missouri         12         64         56.2         .353         19.76         3         .30         .31           39         New Hampshire         8         84         .55.0         .311         17.12          84            40         New York         14         79         .52.9         4.05         21.37         16         29         4         30            41         Ohio         8         42         .56.0         .388         21.80           31         11           42         Pennsylvania         6         19         .54.3         .330         17.89          13         11           43         Wisconsin         4         14         .58.2         .371         20.82          2          5            40         Othe  |      | Maine                   | 5   | 36  |      | .360             | 20.93    |             |             |      |     | 36         |     |
| 37   Minnesota   3   15   60.0   343   20.58   |      | Massachusetts           |     |     |      |                  |          |             | 10          | 121  | 94  | 3          |     |
| 38     Missouri     12     64     56.2     353     19.76     3     30     31       39     New Hampshire     8     84     55.0     311     17.12     84       40     New York     14     79     52.9     405     21.37     16     29     4     30       41     Ohio     8     42     56.0     388     21.80     31     11       42     Pennsylvania     6     19     54.3     330     1     13     5       43     Wisconsin     4     14     58.2     318     18.52     5     9       44     0ther States     9     25     56.2     371     20.82     2     2     15     8  |      | Minnesota               |     |     |      |                  |          |             |             |      |     | l          | 15  |
| 39   New Hampshire.  |      | Missouri                |     |     |      |                  |          |             |             | 30   |     | 31         | *** |
| 40         New York         14         79         52.9         405         21.37         16         29         4         30           41         Ohio         8         42         56.0         388         21.80         31         11           42         Pennsylvania         6         19         54.3         330         17.89         1         13         5           43         Wisconsin         4         14         58.2         318         18.52         5         5         9           44         Other States         9         25         56.2         371         20.82         2         2         15         8   |      |                         |     |     |      |                  |          |             |             | - 00 |     | 01         |     |
| 41     Ohio     8     42     56.0     .388     21.80      31     11       42     Pennsylvania     6     19     54.3     .330     17.89      13     5       43     Wisconsin     4     14     58.2     .318     18.52      5      9       44     Other States     9     25     56.2     .371     20.82      2     15     8  |      | Now York                |     |     |      |                  |          |             | 20          | 4    |     | •••••      |     |
| 42     Pennsylvania.     6     19     54.3     .330     17.89     1     13     5       43     Wisconsin.     4     14     58.2     .318     18.52     5     9       44     Other States.     9     25     56.2     .371     20.82     2     15     8   |      | Obio                    |     |     |      |                  |          |             | 20          |      |     | 11         |     |
| 43 Wisconsin 4 14 58.2 318 18.52 5 5 9 44 Other States 9 25 56.2 371 20.82 2 15 8  |      | Pannovlyonia            | 6   |     |      |                  |          |             | ;           | 10   |     | 11         |     |
| 44 Other States 9 25 56.2 .371 20.82 2 15 8  |      | Wicconsin               |     |     |      |                  | 10.09    |             | 1           | 10   |     |            |     |
|  |      | Other States            |     |     |      |                  |          |             | • • • • • • |      |     |            | 9   |
| Total  | 99   | Other busies            | 9   | 25  | 50.2 | .3/1             | 20.82    |             |             | 2    | 15  | 8          |     |
| 110 040 55.0 377 20.70 29 51 173 274 89 24   | 1    | Mata!                   | 110 | 040 |      | 000              |          |             |             | 1.50 | 074 |            |     |
|  | i    | Total                   | 116 | 640 | 55.0 | .377             | 20.70    | 29          | 51          | 173  | 274 | 89         | 24  |
|  | ŀ    | J                       |     |     |      |                  |          |             |             |      |     |            |     |

|                      |                                  |                                   | Em                           | ployees                      | whose                              | rates of                                     | wages p   | er hour                                  | were-  |                                       |  |                                   |                  |
|----------------------|----------------------------------|-----------------------------------|------------------------------|------------------------------|------------------------------------|--|---|--|--|---------------------------------------|--|-----------------------------------|------------------|
| Under<br>6<br>cents. | 6<br>and<br>under<br>8<br>cents. | 8<br>and<br>under<br>10<br>cents. | and<br>under<br>12<br>cents. | and<br>under<br>14<br>cents. | 14<br>and<br>under<br>16<br>cents. | 16<br>and<br>under<br>18<br>cents.           | 18<br>and<br>under<br>20<br>cents.                    | 20<br>and<br>under<br>25<br>cents.       | 25<br>and<br>under<br>30<br>cents.   | 30<br>and<br>under<br>40<br>cents.    | 40<br>and<br>under<br>50<br>cents.           | 50<br>cents<br>and<br>over.       | Lin<br>No.       |
|                      |                                  | F                                 | ITTIN                        | G OR                         | STITO                              | CHING  | DEPA  | RTMI                                     | ENT—C  | Conclude                              | d.   |                                   |                  |
| <br>                 |                                  | 2                                 | 1<br>5                       | 3<br>6<br>3                  | 2<br>6                             | 4<br>2<br>14<br>1<br>3                       | 1<br>2<br>25<br>29<br>9<br>4<br>12<br>23<br>16        | 13<br>21<br>114<br>11<br>38<br>41        | 7<br>15<br>118<br>8<br>50<br>44  | 13<br>19<br>117<br>9<br>40<br>19      | 4<br>2<br>15                                 | 3                                 |                  |
|                      |                                  | 1 3                               | 3 2                          | 1<br>5<br>7                  | 9<br>2<br>1:<br>2<br>19<br>18      | 2<br>14<br>20<br>5<br>1<br>5                 | 1 4   | 5<br>14                                  | 2<br>37<br>27<br>12<br>3<br>8<br>3   | 5<br>64<br>7<br>10                    | 10<br>2                                      | 1                                 | 1<br>1<br>1<br>1 |
|                      |                                  | 6                                 | 5<br>17                      | 28                           | 61                                 | 84   | 130   | 373                                      | 334  | 308                                   | 37   | 5                                 | }                |
|                      |                                  |                                   |                              |                              | LASTI                              | NG DI  | EPART   | MENT                                     | ۲.   | · · ·                                 |  |                                   |                  |
|                      |                                  | 1                                 | 1 1 7                        | 1<br>3<br>8<br>1<br>1<br>13  | 1 22 9 1 1 5 5                     | 11<br>2<br>11<br>2<br>1<br>1<br>2<br>1<br>21 | 1<br>5<br>10<br>19<br>4<br>2<br>2<br>4<br>4<br>1<br>5 | 25<br>9                                  | 2<br>5<br>47.<br>28<br>17.<br>9<br>37.<br>7.<br>15.<br>5.<br>6<br>———————————————————————————————— | 20<br>12<br>9<br>48<br>24<br>3        | 66<br>77<br>44<br>22<br>44<br>22<br>66<br>91 | 17                                |                  |
|                      |                                  | 1                                 |                              | 1                            | 2                                  |  | 2   |  | 6<br>48<br>1<br>8<br>7<br>17<br>17<br>1  | 6                                     | 33<br>51<br>3<br>9<br>8<br>7                 | 4<br>12<br>4<br>1<br>1            | 4000000          |
|                      |                                  |                                   |                              |                              | 2                                  | 2  | 1 1 4   | 11<br>10<br>11<br>14<br>2<br>4<br>3<br>1 | 2<br>10<br>21<br>4<br>11<br>12<br>6<br>7   | 11<br>13<br>81<br>8<br>19<br>37<br>36 | 6<br>9<br>83<br>2<br>19<br>10<br>20          | 3<br>3<br>40<br>1<br>3<br>3<br>15 | 900              |

# $\begin{array}{c} \textbf{Table} \ \, \textbf{C} \boldsymbol{\text{--}} \textbf{AVERAGE} \ \, \textbf{AND} \ \, \textbf{CLASSIFIED} \ \, \textbf{FULL-TIME} \ \, \textbf{HOURS} \ \, \textbf{PER} \ \, \textbf{WEEKLY} \\ \textbf{WEEKLY} \ \, \textbf{EARNINGS}, \end{array}$

|             |                                | Num-                                  | Num-                           |   | Aver-                      | Aver-<br>age<br>full- | Emple | oyees v                   |     | full-tim<br>vere—                 | ne hour                   | s per |
|-------------|--------------------------------|---------------------------------------|--------------------------------|---|----------------------------|-----------------------|-------|---------------------------|-----|-----------------------------------|---------------------------|-------|
| Line<br>No. | Occupation, sex, and<br>State. | ber<br>of<br>estab-<br>lish-<br>ments | ber of<br>em-<br>ploy-<br>ees. | age<br>full-<br>time<br>hours<br>per<br>week. | rate<br>of<br>wages<br>per | time<br>week-<br>ly   | 48    | 51<br>and<br>under<br>54. | 54. | Over<br>54<br>and<br>under<br>57. | 57<br>and<br>under<br>60. | 60.   |

#### LASTING DEPARTMENT-Concluded.

|                       | Clife leatons hand males                |                  | -                |              |                |                  |                                       | 1           |            |         |          | •         |
|-----------------------|---|------------------|------------------|--------------|----------------|------------------|---------------------------------------|-------------|------------|---------|----------|-----------|
| ٠, ا                  | Side lasters, hand, male:               | 3                | 18               | 50.0         | <b>e</b> n 225 | <b>\$</b> 19. 55 |                                       |             |            |         | 18       |           |
| 1<br>2<br>3<br>4<br>5 | Maine                                   | 12               | 163              | 53.9         | 335            | 18.03            | •••••                                 | 66          | 89         | 8       | 10       |           |
| 2                     | New Hampshire                           | 12               | 36               | 55.0         | .242           | 13.31            |                                       | 00          | 0.0        | 36      |          |           |
| 4                     | New York                                | 2 7              | 62               | 52.7         | 380            | 19.94            | 10                                    | 35          |            | 17      |          |           |
| 5                     | Other States                            | 16               | 79               | 54.4         |                |                  |                                       | 21          | 15         | 37      | ····i    |           |
|                       | · ·                                     |                  |                  |              |                |                  |                                       |             |            |         |          |           |
|                       | Total                                   | 40               | 358              | 54.1         | .325           | 17.57            | 10                                    | 122         | 104        | 98      | 19       |           |
|                       | Side lasters, machine,                  |                  |                  |              |                |                  |                                       |             |            |         |          |           |
| 6                     | male:<br>Massachusetts                  | 14               | 105              | 54.2         | .374           | 20.24            | 3                                     | 11          | 69         | 17      | 5        |           |
| 6<br>7<br>8<br>9      | Missouri                                | 5                | 30               | 55.5         |                | 16.45            | 4                                     |             | 14         |         | 12       |           |
| 8                     | New Hampshire<br>New York               | 6                | 42               | 55.0         | .312           |                  |                                       |             |            | 42      |          |           |
|                       | New York                                | 6                | 53               | 53.9         |                |                  |                                       | 16          | 12         | 25      |          |           |
| 10                    | Other States                            | 14               | 61               | 56.4         | .327           | 18.42            |                                       | •••••       |            | 41      | 8        | 1         |
|                       | Total                                   | 45               | 291              | 54.9         | . 339          | 18.53            | 7                                     | 27          | 95         | 125     | 25       | 1:        |
| 1                     | Bed-machine operators,                  |                  |                  |              |                |                  |                                       |             |            |         |          |           |
|                       | male:                                   | _                | 110              |              | 0.55           | 10.00            |                                       |             | _          |         |          |           |
| 11                    | Illinois                                | 5                | 112              | 54.1         | .357           | 19.29            |                                       | 34          | 3          | 75      |          | • • • • • |
| 12                    | Maine                                   | 5<br>30          | 40<br>557        | 58.0<br>54.2 | .351           | 20.35<br>20.17   | 9                                     | 94          | 338        | 116     | 40       |           |
| 13<br>14              | Massachusetts<br>Minnesota              | 30               | 33               | 60.0         |                | 18.33            |                                       | 94          | 990        | 116     |          | 3         |
| 15                    | Missouri                                | 3<br>7           | 90               | 56.7         | .310           | 17.59            | 7                                     | • • • • • • | 28         |         | 55       | 0         |
| 16                    | New Hampshire                           | 5                | 155              | 55.0         | 298            |                  |                                       |             | <b>"</b> " | 155     | - 55     |           |
| 17                    | New Hampshire<br>New Jersey<br>New York | 3                | 20               | 55.0         | .342           |                  | · · · · · · · · · · · · · · · · · · · |             |            | 20      |          |           |
| 18                    | New York                                | 11               | 146              | 53.3         | .363           | 19.28            |                                       | 72          | 15         | 51      |          |           |
| 19                    | Ohio                                    | 6                | 66               | 56.6         | .386           | 21.87            | l                                     |             |            | 39      | 27       |           |
| 20                    | Pennsylvania<br>Virginia                | 8                | 50               | 55.3         | . 294          | 16.31            |                                       | 3           | 23         | 9       | 15       |           |
| 21                    | Virginia                                | 3                | 17               | 59.0         | .347           | 20.46            |                                       |             |            |         | 17       |           |
| 22                    | Wisconsin                               | 4                | 33               | 58.6         | . 264          | 15.42            |                                       |             |            | 9       |          | 2         |
| 23                    | Other States                            | 3                | 17               | 54.8         | . 334          | 18. 27           |                                       |             | 3          | 14      |          |           |
|                       | Total                                   | 93               | 1,336            | 55.0         | .349           | 19.13            | 24                                    | 203         | 410        | 488     | 154      | 5         |
|                       | Hand-method lasting-                    |                  |                  |              |                |                  |                                       |             |            |         |          |           |
|                       | machine operators,                      |                  |                  |              |                |                  | i l                                   |             |            |         |          |           |
|                       | male:                                   |                  |                  |              | 1              |                  |                                       |             |            |         |          |           |
| 24                    | Maine                                   | 3                | 38               | 58.0         |                | 23.35            |                                       |             |            |         | 38       |           |
| 25                    | Massachusetts                           | 28               | 212              | 54.4         |                | 20.79            | 20                                    | 10          |            | 123     | 3        |           |
| 26                    | Missouri                                | 7<br>5<br>3<br>6 | 98               | 55.7         | . 328          | 18.20            |                                       |             | 65         |         | 33       |           |
| 27                    | New Hampshire<br>New York               | 5                | 46               | 55.0         | .315           | 17.31            |                                       |             |            | 46      | <b>-</b> |           |
| 28<br>29              | New York                                | 3                | 64               | 52.9         | .382           |                  |                                       | 3           |            | 38      |          |           |
| 30                    | Ohio<br>Pennsylvania                    | 4                | 59<br>14         | 55.9<br>54.6 | .353           |                  |                                       |             | 9          | 46<br>3 | . 13     |           |
| 31                    | Other States                            | 10               | 25               | 58.2         | .317           |                  |                                       | 1           | 3          | 4       | 6        |           |
| 01                    | i                                       |                  |                  |              | ļ              | ·                | ļ                                     |             |            |         |          |           |
|                       | Total                                   | 66               | 556              | 55.1         | . 361          | 19.82            | 43                                    | 14          | 133        | 260     | 94       | 1         |
|                       | Turn lasters, hand,<br>male:            |                  |                  |              |                | -                | 1                                     |             |            |         |          |           |
| 32                    | Massachusetts                           | 8                | 262              | 54.5         | .416           | 22.64            |                                       | 59          | 55         | 148     |          |           |
| 33                    | Missouri                                | 4                | 145              | 57.1         | 371            | 21.28            |                                       | "           | 55         |         | 90       |           |
| 34                    | New Jersey                              | 4                | 47               | 55.0         | 318            |                  |                                       |             |            | 47      |          |           |
| 35                    | New York                                | 11               | $2\overline{42}$ | 52.6         | l .355         | 18.65            | 66                                    | 81          | 2          | 93      |          |           |
| 35<br>36              | Ohio                                    | 3                | 85               | 56.8<br>55.7 | .392           | 22.32            |                                       |             |            | 47      | 35       |           |
| 37                    | Pennsylvania                            | 6                | 162              | 55.7         | 297            | 16.55            |                                       |             | 22         | 97      | 43       |           |
| <b>3</b> 8            | Other States                            | 6                | 31               | 55.9         | . 356          | 19.74            |                                       |             | 21         |         |          |           |
|                       | Total                                   | 42               | 974              | 54.9         | . 365          | 20.07            | 66                                    | 140         | 155        | 432     | 168      |           |
|                       | Turn sewers, male:                      |                  |                  |              |                |                  |                                       |             |            |         |          |           |
| 39                    | New York                                | 10               | 20               | 51.6         |                | 25.05            | 10                                    | 6           |            | 3       |          |           |
| 40                    | Pennsylvania                            | 5                | 27               | 55.4         | .327           |                  |                                       |             | 1 1        |         |          |           |
| 41                    | Other States                            | 14               | 34               | 55.2         | . 508          | 27.98            |                                       | 3           | 12         | 13      | 6        |           |
|                       | Total                                   | 29               | 81               | 54.4         | .442           | 24.00            | 10                                    | 9           | 14         | 38      | 10       | 1         |

| Undor<br>6<br>cents.                  | 6 and under 8 cents. | 8<br>and<br>under<br>10<br>cents. | and<br>under<br>12<br>cents. | and<br>under<br>14<br>cents. | and<br>under<br>16<br>cents. | and<br>under<br>18<br>cents. | 18<br>and<br>under<br>20<br>cents. | 20<br>and<br>under<br>25<br>cents.       | 25<br>and<br>under<br>30<br>cents. | 30<br>and<br>under<br>40<br>cents.   | 40<br>and<br>under<br>50<br>cents. | 50<br>cents<br>and<br>over. | L |
|---------------------------------------|----------------------|-----------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------------|--|------------------------------------|--------------------------------------|------------------------------------|-----------------------------|---|
|                                       |                      |                                   |                              | LAST                         | ING D                        | EPAR                         | TMEN                               | T—Con                                    | cluded.                            |                                      |                                    |                             |   |
|                                       |                      |                                   |                              |                              |                              |                              |                                    | 3<br>12                                  | 6                                  | 4                                    | 5<br>16                            |                             |   |
| • • • • • •                           |                      | i                                 | <sub>i</sub>                 |                              | 1                            | 1 1                          | 3                                  | 12<br>14                                 | 41<br>12                           | 77<br>4                              | 16                                 | 12                          |   |
| · - • • • • •                         |                      |                                   |                              | z                            |                              |                              |                                    | 4  | 13                                 | 19                                   | 16                                 | 10                          |   |
|                                       |                      |                                   | 1                            |                              | 2                            | 2                            | 5                                  | 15                                       | 13                                 | 31                                   | 10                                 |                             |   |
|                                       |                      | 1                                 | 2                            | 2                            | 3                            | 4                            | 9                                  | 48                                       | 85                                 | 135                                  | 47                                 | 22                          |   |
|                                       |                      |                                   |                              |                              |                              |                              |                                    |  |                                    |                                      |                                    | -                           |   |
| . <b></b>                             |                      |                                   |                              |                              | <b>.</b>                     |                              | 1                                  | 9  | 7                                  | 57                                   | 22                                 | 9                           |   |
| · • • • • •                           |                      |                                   |                              | 1                            |                              | ····                         | ·····                              | 3  | 12                                 | 12                                   | . 2                                |                             |   |
|                                       |                      |                                   |                              |                              | 1                            | 1                            | 3                                  | 3<br>7<br>8<br>3                         | 10<br>9                            | 14<br>29                             | 4 7                                | 2                           |   |
|                                       |                      |                                   |                              |                              | i                            |                              | 1                                  | ı š                                      | 16                                 | . 29<br>28                           | 12                                 |                             |   |
|                                       |                      |                                   |                              | 1                            | 2                            | 1                            | 5                                  | 30                                       | 54                                 | 140                                  | 47                                 | 11                          |   |
|                                       | <del></del>          |                                   |                              |                              |                              |                              |                                    |  | <del></del>                        |                                      |                                    |                             |   |
|                                       |                      |                                   |                              | İ                            |                              | ١.                           | 3                                  | ,  | 14                                 | 56                                   | 26                                 | ي .                         |   |
|                                       |                      |                                   |                              |                              |                              | 1                            | 3                                  | 7  | 14                                 | 26                                   | 20<br>4                            | 2                           |   |
|                                       |                      |                                   |                              | 2                            | 3 2                          |                              | 3                                  | 1<br>37<br>4<br>12<br>18<br>2<br>13<br>3 | 7<br>83<br>4                       | 232<br>17                            | 144                                | 5<br>2<br>53                |   |
| • • • • • •                           |                      |                                   |                              |                              | $\frac{2}{1}$                | ·····i                       | 3<br>2<br>1<br>5                   | 19                                       | 96                                 | 17                                   | 4<br>8                             |                             |   |
| . <b></b> .                           | i                    |                                   | ·····i                       | i                            |                              | 1                            | 5                                  | 18                                       | 26<br>51<br>4<br>27<br>4<br>12     | 69                                   | 8                                  |                             |   |
|                                       |                      |                                   |                              |                              |                              |                              | 1                                  | 2  | 4                                  | 9                                    | 4                                  | 1                           |   |
|                                       |                      |                                   |                              |                              |                              |                              | ····i                              | 13                                       | 27                                 | 57                                   | 38<br>20                           | ·10/7                       |   |
| . <b></b>                             |                      |                                   |                              |                              | i                            |                              | i                                  | 15                                       | 12                                 | 17                                   | 2                                  | 2                           |   |
|                                       |                      |                                   |                              |                              |                              |                              | 1                                  | l  |                                    | . 7                                  | 4                                  |                             |   |
| • • • • • •                           |                      |                                   |                              |                              | 4                            | 4                            | 2                                  | 3  | 11                                 | 41<br>69<br>9<br>57<br>32<br>17<br>7 | 5                                  |                             |   |
|                                       |                      |                                   |                              |                              |                              |                              |                                    |  |                                    |                                      |                                    |                             |   |
| · · · · · ·                           | . 1                  |                                   | 1                            | 3                            | 11                           | 7                            | 19                                 | 116                                      | 253                                | 578                                  | 267                                | 80                          |   |
|                                       |                      |                                   |                              |                              |                              |                              |                                    |  |                                    |                                      |                                    |                             |   |
|                                       | ľ                    |                                   |                              |                              |                              |                              |                                    |  |                                    |                                      |                                    | _                           |   |
| • • • • • •                           |                      |                                   | ·····i                       | i                            |                              |                              |                                    |  | 3<br>20<br>20                      | 17<br>104                            | 11<br>64<br>15<br>5<br>18          | 7<br>16<br>1                |   |
|                                       |                      |                                   | 1                            | 1                            | i                            | j                            |                                    | 12                                       | 20                                 | 48                                   | 15                                 | 10                          | 1 |
| • • • • • • •                         |                      |                                   |                              | <b>-</b>                     |                              |                              | 2                                  | 5<br>12<br>7<br>5<br>7<br>1              | 10                                 | 23<br>20<br>15<br>6<br>11            | 5                                  | 11                          |   |
| • • • • • • • • • • • • • • • • • • • |                      |                                   |                              |                              |                              |                              | •••••                              | 7  | 18                                 | 15                                   | 18                                 | 8                           | 1 |
|                                       |                      |                                   |                              |                              | 1                            |                              |                                    | i  | 18<br>4<br>7                       | 6                                    | 3                                  |                             |   |
| • • • • • •                           |                      |                                   |                              |                              | • • • • • •                  | 1                            |                                    | 3  | 7                                  | 11                                   | 3                                  |                             |   |
|                                       |                      |                                   | 1                            | . 1                          | 2                            | 3                            | 2                                  | 40                                       | 91                                 | 244                                  | 129                                | 43                          |   |
|                                       |                      |                                   |                              |                              |                              |                              |                                    |  |                                    |                                      |                                    |                             |   |
|                                       | 1                    | 1                                 | 1                            | ŀ                            |                              |                              |                                    | 1.4                                      | 99                                 | 81                                   | 01                                 | 54                          |   |
|                                       |                      |                                   |                              |                              | i                            |                              | 4                                  | 16                                       | 22<br>22                           | 46                                   | 91<br>35                           | 54<br>21                    |   |
| • • • • • •                           |                      |                                   |                              |                              | 1                            | l 2                          | 2                                  | 14<br>16<br>2<br>27                      | 14                                 | 23                                   | _ 5                                | 1                           |   |
| • • • • • • • • • • • • • • • • • • • |                      |                                   |                              |                              |                              | . 2                          | 1                                  | 1 4                                      | 147<br>47<br>117<br>172            | 33                                   | 22                                 | 21<br>15                    |   |
| •••••                                 |                      |                                   |                              |                              | 1                            |                              | 2                                  | 29                                       |                                    |                                      | 5<br>55<br>22<br>12<br>12          | 4                           |   |
|                                       |                      |                                   |                              |                              |                              |                              |                                    | . 4                                      | 4                                  | 9                                    | 12                                 | 1                           |   |
| •••••                                 |                      |                                   |                              |                              | . 3                          | 3                            | 8                                  | 96                                       | 192                                | 318                                  | 232                                | 116                         |   |
|                                       |                      | 1                                 |                              |                              |                              |                              |                                    |  |                                    |                                      |                                    |                             | 1 |
|                                       | ,                    |                                   |                              |                              |                              |                              |                                    |  |                                    |                                      |                                    |                             |   |
| ••••                                  |                      |                                   | -                            |                              | ·                            |                              |                                    |  | . 1                                | 5                                    | 7                                  | 7                           | 1 |
| •••••                                 |                      |                                   |                              |                              |                              |                              | i                                  |  | 17 2                               | 3                                    | 3                                  | 7<br>2<br>18                |   |

Table C.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK, WEEKLY EARNINGS,

|  | Line<br>No. | Occupation, sex, and<br>State. | Num-<br>ber<br>of<br>estab- | Num-<br>ber of<br>em-<br>ploy- | Average full-time hours | Average rate of wages | Average<br>full-<br>time<br>week- | Emplo<br>Over | 51          | vhose f<br>week v | ull-tim<br>vere—<br>Over<br>54 | ne hour    | s per   |
|--|-------------|--------------------------------|-----------------------------|--------------------------------|-------------------------|-----------------------|-----------------------------------|---------------|-------------|-------------------|--------------------------------|------------|---------|
| Goodvear welters, male:  |             |                                |                             |                                | per                     | pe <b>r</b>           | earn-                             | and<br>under  | under       | 54.               | and<br>under                   | under      | 60.     |
| 1  |             |                                | во                          | ттом                           | ING                     | DEPA                  | RTM                               | ENT.          |             |                   |                                |            |         |
| Maine  | 1           | Illinois                       | 5                           | 31                             | 54.1                    | <b>\$</b> 0.610       | <b>\$</b> 33.01                   |               | 9           | 1                 | 21                             |            |         |
| Minnesota  | 2           | Maine                          | 5                           | 16                             | 58.0                    | . 532                 | 30.86                             |               |             | 120               |                                | 16         |         |
| 5  | 4           | Minnesota                      | 3                           | 11                             | 60.0                    | .444                  | 26.63                             |               |             |                   | l                              |            | ii      |
| Solution   | 5           | Missouri                       | 8                           | 27                             | 57.0                    | .423                  | 24.09                             | 1             |             | 9                 |                                | 17         |         |
| Solution   | 7           | New York                       |                             | 47                             | 55.0                    | .582                  | 30.82                             |               | 30          | 7                 |                                |            |         |
| Other States.   13   34   57.1   446   25.32     2   16   8  | 8 !         | Ohio                           | 6                           | 36                             | 56.0                    | .443                  | 24.73                             |               |             | ;                 | 27                             |            |         |
| Total  |             | Other States                   |                             |                                |                         |                       | 26.78<br>25.32                    |               | -           |                   |                                | 8          | 8       |
| Rough rounders, male:  | - ]         |                                |                             |                                |                         |                       |                                   |               |             |                   |                                |            | 19      |
| 12   |             | Rough rounders, male:          |                             |                                |                         |                       |                                   |               |             |                   |                                |            |         |
| 13   Missouri  |             | Massachusetts                  |                             |                                | 54.0                    | .547                  |                                   |               | 22          |                   |                                |            |         |
| 15   | 13 ]        | Missouri                       | 9                           | 23                             | 55.6                    | .401                  | <b>22.2</b> 6                     | 4             | •••••       | 8                 |                                | 11         |         |
| 16   | 15          | New York                       |                             | 27                             |                         | .541                  | 28.73                             |               | 20          | 3                 | 4                              |            |         |
| Total  | 16          | Ohio                           |                             | 23                             | 1 56.0                  | .390                  | 21.74                             |               |             |                   |                                |            |         |
| Goodyear stitchers, male:  | 18          | Other States                   |                             | 23<br>43                       | 57.4                    | .422                  |                                   |               | 1           |                   | 15                             |            | 12      |
| Goodyear stitchers, male:  |             | Total                          | 91                          | 296                            | 54.9                    | . 491                 | 26.89                             | 4             | 48          | 92                | 104                            | <b>3</b> 6 | 12      |
| 10   | İ           | Goodyear stitchers.            |                             |                                |                         |                       |                                   |               |             |                   |                                |            |         |
| Massachusetts  | 19          | male:<br>Illinois              | 6                           | 48                             | 54.1                    | . 556                 | 30.08                             |               | 14          | 3                 | 31                             |            |         |
| Missouri   10   52   56. 1   370   20. 50   10   11   31   31   24   New Hampshire   5   72   55. 50   333   18. 32   172   25   New York   10   61   52. 9   467   24. 73   44   10   7   30   11   27   Pennsylvania   8   37   55. 4   349   20. 59   30   11   28   Other States   12   38   56. 6   386   21. 70   3   22   2   1   28   Make   20. 59   36. 6   386   21. 70   3   22   2   1   28   MeKay sewers, male:   | 20          | Maine                          | 5                           | 21                             | 58.0                    | .382                  | 22.13                             |               |             |                   | <b></b>                        |            |         |
| Missouri   10   52   56. 1   370   20. 50   10   11   31   31   24   New Hampshire   5   72   55. 50   333   18. 32   172   25   New York   10   61   52. 9   467   24. 73   44   10   7   30   11   27   Pennsylvania   8   37   55. 4   349   20. 59   30   11   28   Other States   12   38   56. 6   386   21. 70   3   22   2   1   28   Make   20. 59   36. 6   386   21. 70   3   22   2   1   28   MeKay sewers, male:   | 21          | Massachusetts                  |                             |                                | 54.1<br>60.0            | .469                  |                                   | 5             | 37          | 184               | 50                             |            | 10      |
| Company   Comp | 23          | Missouri                       | 10                          | 52                             | 56.1                    | .370                  | 20.50                             | 10            |             | 11                |                                | 31         |         |
| Company   Comp | 24<br>25    | New Hampshire<br>New York      |                             |                                | 55.0<br>52.9            | . 333                 | 18.32<br>24.73                    |               | 44          | 10                |                                |            |         |
| Total. 97 656 54.8 .437 23.87 15 97 228 218 77 2    McKay sewers, male:  | 26          | Ohio.                          | 6                           | 41                             | 56.1                    | . 369                 | 20.59                             |               |             |                   | 30                             |            |         |
| Total. 97 656 54.8 .437 23.87 15 97 228 218 77 2  McKay sewers, male: Maine 3 23 58.0 .340 19.73 23  Massachusetts 27 89 54.4 .386 21.00 7 111 18 50 3  Missouri 5 27 55.3 .311 17.24 20 7 7  New Hampshire 4 19 55.0 .263 14.45 22.60 8 3 2  Other States 18 39 57.0 .334 18.98 41 18 5 1  Total 61 210 55.2 .349 19.51 15 14 42 89 38 1  Loose-name machine operators, male: 11 27 55.8 .293 16.29 2 2 .15 3  Total 22 71 55.4 .319 17.65 2 2 14 45 3  Heelers, male: 11 27 55.8 .293 16.29 2 2 .15 3  Heelers, male: 11 27 55.8 .293 16.29 2 14 45 3  Heelers, male: 11 27 55.0 .41 .61 33.09 5 3 13  Total 22 71 55.4 .319 17.65 2 2 14 45 3  Heelers, male: 17 58.0 .419 24.30 5 17 38 Maine 5 17 58.0 .419 24.30 5 17 39 Massachusetts 51 157 54.2 .474 25.70 11 16 75 52 3  New York 13 59 52.7 .442 23.26 6 36 5 12  New York 13 59 52.7 .442 23.26 6 36 5 12  New York 13 59 52.7 .442 23.26 6 36 5 12  New York 13 59 52.7 .442 23.26 6 36 5 12  New York 13 59 52.7 .442 23.26 6 36 5 12  New York 13 59 52.7 .442 23.26 6 36 5 12  New York 13 59 52.7 .442 23.26 6 36 5 12  New York 14 35 88 .395 23.26 3 3 1 4  | 27<br>28    | Pennsylvania<br>Other States   |                             |                                |                         |                       | 23.83<br>21.70                    |               |             |                   |                                |            | ·····ii |
| McKay sewers, male:   Maine.   3   |             |                                |                             |                                |                         |                       |                                   |               |             |                   |                                |            | 21      |
| Massachusetts  |             | McKay sewers, male:            |                             |                                |                         |                       |                                   | -             | ===         |                   |                                |            |         |
| Missouri   States   |             | Maine                          | 27                          |                                | 58.0<br>54.4            | 340                   | 19.73                             |               |             | 18                |                                | 23         |         |
| New York   | 31          | Missouri                       | 5                           | 27                             | 55.3                    | .311                  | 17, 24                            |               |             |                   |                                | 7          |         |
| Total. 61 210 55.2 349 19.51 15 14 42 89 38 1    Loose-nail and standard-screw machine operators, male: 11 27 55.8 293 16.29 2 2 14 45 3    Heelers, male: 22 71 55.4 319 17.65 2 2 14 45 3    Heelers, male: 6 21 54.1 613 33.09 5 3 13    Heelers, male: 11 10 5 17 58.0 419 24.30 5 17 39 Massachusetts 51 157 54.2 474 25.70 11 16 75 52 3    Maine 5 17 58.0 419 24.30 5 17 55 2 3 16 29 2 2 18 18 18 18 18 18 18 18 18 18 18 18 18   |             | New Hampshire                  |                             |                                |                         |                       | 14.45                             |               |             |                   |                                |            |         |
| Loose-nail and standard-screw machine opera-tors, male:  |             | Other States                   |                             |                                |                         |                       | 18.98                             |               |             | 4                 |                                | 5          | 12      |
| Screw machine operators, male:   |             | Total                          | 61                          | 210                            | 55.2                    | .349                  | 19.51                             | 15            | 14          | 42                | 89                             | 38         | 12      |
| Total  |             | Loose-nail and standard-       |                             |                                |                         |                       |                                   |               |             |                   |                                |            |         |
| Total  |             | tors, maie:                    |                             |                                |                         |                       |                                   |               |             |                   |                                |            |         |
| Total. 22 71 55.4 319 17.65 2 2 14 45 3  Heelers, male:  37 Illinois 6 21 54.1 .613 33.09 5 3 13   |             | Massachusetts<br>Other States  |                             |                                |                         |                       |                                   | 2             | ······ż     | 14                |                                | 3          | 5       |
| Heelers, male:   |             |                                | 22                          | 71                             | 55.4                    | .319                  | 17.65                             |               |             | 14                |                                |            | 5       |
| 38         Maine         5         17         58.0         419         24.30         17         17         39         Massachusetts         51         157         54.2         474.25         70         11         16         75         52         3         19         18         18         18         11         New Hampshire         9         37         55.0         368         20.63         3         19         37         18         37         18         37         18         37<   |             | Heelers, male:                 |                             |                                |                         |                       |                                   | <u>-</u>      | <del></del> |                   |                                |            |         |
| 39     Massachusetts     51     157     54.2     .474     25.70     11     16     75     52     3       40     Missouri     12     40     55.9     .368     20.66     3     19     18       41     New Hampshire     9     37     55.0     .365     20.09      37       42     New York     13     59     52.7     .442     23.28     6     36     5     12       43     Ohio.     8     41     56.4     .349     19.66      27     13       44     Pennsylvania     9     27     55.6     .372     20.75     2     9     6     10       45     Wisconsin     4     13     58.8     3.95     23.26      3     1       46     Other States     13     28     57.1     .393     22.46      3     12     3     1  | 37          | Maine                          |                             |                                |                         | .613                  | 33.09                             |               | 5           | 3                 | 13                             |            |         |
| 41     New Hampshire     9     37     55.0     365     20.09     37       42     New York     13     59     52.7     442     23.26     6     36     5     12       43     Ohio     8     41     56.4     349     19.66     27     13       44     Pennsylvania     9     27     55.6     372     20.75     2     9     6     10       45     Wisconsin     4     13     58.8     395     23.26     3     1       46     Other States     13     28     57.1     393     22.46     3     12     3     1   | 39          | massachusetts                  | 51                          | 157                            | 54.2                    | .474                  | 25.70                             | 11            | 16          |                   |                                | 3          |         |
| 42     New York     13     59     52.7     442     23.26     6     36     5     12       43     Ohio.     8     41     56.4     349     19.66     27     13       44     Pennsylvania     9     27     55.6     372     20.75     2     9     6     10       45     Wisconsin     4     13     58.8     395     23.26     3     1       46     Other States     13     28     57.1     393     22.46     3     12     3     1  |             | Missouri<br>New Hampshire      | 12                          |                                | 55.9                    | 368                   | 20.63                             | 3             |             | 19                |                                | 18         |         |
| 43 Onto 841 56.4 349 19.66 27 13 44 Pennsylvania 9 27 55.6 3.772 20.75 2 9 6 10 45 Wisconsin 4 13 58.8 395 23.26 3 12 3 1  | 42          | New York                       | 13                          | 59                             | 52.7                    | .442                  | 23.26                             | 6             | 36          | 5                 | 12                             |            |         |
| 45 Wisconsin   |             | Omo                            |                             | 41                             | 56.4                    | .349                  | 19.66                             | <b>-</b>      |             |                   | 27                             |            | 1       |
| 46 Other States 13 28 57.1 .393 22.46 3 12 3 1   | 45          | Wisconsin                      | 4                           |                                | 58.8                    | .395                  | 23.26                             |               | 2           |                   | 3                              |            | 10      |
| Total  |             | Other States                   |                             |                                |                         |                       | 22.46                             |               |             | 3                 | 12                             | 3          | 10      |
|  |             | Total                          | 130                         | 440                            | 55.0                    | . 430                 | 23.59                             | 20            | 59          | 114               | 162                            | 64         | 21      |

|                      |                                  |                                   | Em                                 | ployees                      | whose                        | rates of                     | wages p                            | per houi                             | were-                                      |  |  |  |  |
|----------------------|----------------------------------|-----------------------------------|------------------------------------|------------------------------|------------------------------|------------------------------|------------------------------------|--------------------------------------|--|--|--|--|--|
| Under<br>6<br>cents. | 6<br>and<br>under<br>8<br>cents. | 8<br>and<br>under<br>10<br>cents. | 10<br>and<br>under<br>12<br>cents. | and<br>under<br>14<br>cents. | and<br>under<br>16<br>cents. | and<br>under<br>18<br>cents. | 18<br>and<br>under<br>20<br>cents. | 20<br>and<br>under<br>25<br>cents.   | 25<br>and<br>under<br>30<br>cents.         | 30<br>and<br>under<br>40<br>cents.               | 40<br>and<br>under<br>50<br>cents.               | 50 cents and over.                           | Line<br>No.                                    |
|                      |                                  |                                   |                                    | В                            | OTTO                         | MING                         | DEPA                               | RTME                                 | NT.  |  | <i>'</i>   |  | !  |
|                      |                                  |                                   |                                    |                              |                              |                              |                                    | 5<br>1                               | 3  | 2<br>10<br>1                                     | 5<br>7<br>37<br>5                                | 24<br>9<br>143<br>3<br>7                     |  |
|                      |                                  |                                   |                                    | 1                            |                              |                              | 1                                  | 1<br>4<br>1                          | 4<br>4<br>1<br>1<br>2<br>3                 | 9<br>8<br>2<br>11<br>6<br>10                     | 16<br>15<br>6<br>2<br>11                         | 15<br>25<br>13<br>13<br>10                   |  |
|                      |                                  |                                   |                                    | 1                            |                              |                              | 3                                  | 12                                   | 19   | 59   | 111  | 262  | }  |
|                      |                                  |                                   |                                    |                              |                              | 1                            | 1                                  | 1<br>2<br>2<br>1<br>4                | 1<br>2<br>3<br>5<br>4<br>3                 | 18<br>4<br>5<br>11<br>8<br>6                     | 4<br>17<br>12<br>14<br>1<br>5<br>5               | 16<br>69<br>2<br>8<br>15<br>3<br>6           | 1;<br>1;<br>1,<br>1,<br>1;<br>1;<br>1;         |
|                      |                                  |                                   |                                    |                              |                              | 2                            | 1                                  | 10                                   | 18   | 63   | 72   | 130  |  |
|                      |                                  |                                   |                                    |                              |                              |                              | 1                                  | 6<br>3<br>7<br>2<br>4<br>4           | 1<br>12<br>12<br>10<br>13<br>2<br>9<br>1   | 5<br>13<br>45<br>1<br>20<br>43<br>19<br>14<br>7  | 6<br>7<br>122<br>5<br>10<br>9<br>20<br>11<br>15  | 36<br>91<br>4<br>8<br>20<br>5<br>9           | 2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2 |
|                      |                                  |                                   |                                    |                              |                              |                              | 2                                  | <b>2</b> 6                           | 50   | 186  | 214  | 178  |  |
|                      |                                  |                                   |                                    |                              | 1                            | 1 1                          | 1<br>2                             | 8<br>4<br>5                          | 8<br>4<br>8<br>6                           | 11<br>40<br>10<br>5<br>5                         | 3<br>23<br>1<br>7<br>8                           | 1<br>13<br>2<br>1                            | 3:   |
|                      |                                  |                                   | ====                               |                              | 1                            | 2                            | 3                                  | 20                                   | 36<br>                                     | 89   | 42   | 17   |  |
|                      |                                  |                                   |                                    |                              |                              | 3 2                          |                                    |                                      | 6<br>2<br>8                                | 20<br>13<br>33                                   | 10<br>2<br>12                                    |  | 3  |
|                      |                                  | -                                 | ===                                | <u> </u>                     |                              | <del></del> -                |                                    | <b>-</b> -                           |  |  |  | 10   | 9  |
|                      |                                  |                                   |                                    |                              |                              | 1                            | 2<br>1                             | 1<br>4<br>3<br>3<br>2<br>6<br>5<br>1 | 2<br>16<br>1<br>1<br>6<br>8<br>4<br>2<br>2 | 35<br>35<br>27<br>23<br>17<br>17<br>7<br>5<br>13 | 5<br>4<br>33<br>3<br>7<br>17<br>5<br>3<br>4<br>6 | 13<br>5<br>66<br>5<br>3<br>17<br>5<br>6<br>1 | 3<br>3<br>4<br>4<br>4                          |
|                      |                                  |                                   |                                    | <u>1</u>                     |                              | 2                            | 4                                  | 26                                   | 42   | 152  | 87   | 126  |  |
|                      |                                  |                                   | <b></b>                            |                              |                              |                              | I                                  |                                      | 42   | 152  | 87   | 120  | }  |

# TABLE C.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK, WEEKLY EARNINGS,

|             | •                              | Num-<br>ber                    | Num-                           | Aver-                                  | Aver-                               | Aver-<br>age<br>full- | Empl                              | o <b>yees</b> v           |     | full-tim<br>vere—                 | e hour                    | s per |
|-------------|--------------------------------|--------------------------------|--------------------------------|--|-------------------------------------|-----------------------|-----------------------------------|---------------------------|-----|-----------------------------------|---------------------------|-------|
| Line<br>No. | Occupation, sex, and<br>State. | of<br>estab-<br>lish-<br>ments | ber of<br>em-<br>ploy-<br>ees. | full-<br>time<br>hours<br>per<br>week. | rate<br>of<br>wages<br>per<br>hour. | time                  | Over<br>48<br>and<br>under<br>51. | 51<br>and<br>under<br>54. | 54, | Over<br>54<br>and<br>under<br>57. | 57<br>and<br>under<br>60. | 60.   |

#### BOTTOMING DEPARTMENT—Continued.

|          | ВО                              | TTO         | MING      | DEPA           | RTM          | ENT-           | -Contin | ued.   |               |          |          |    |
|----------|---------------------------------|-------------|-----------|----------------|--------------|----------------|---------|--------|---------------|----------|----------|----|
|          | Heel trimmers or shavers, male: |             |           |                |              |                |         |        |               |          |          | Ī  |
| 1        | Illinois                        | 5           | 23        | 54.0           | \$0.616      | \$33.19        |         | 7      | 1             | 15       |          |    |
| Ž        | Maine                           | 4           | 14        | 58.1           | .381         | 22. 13         |         |        |               |          | 14       |    |
| 3        | Massachusetts                   | 46          | 134       | 54.2           | .492         | 26.63          | 8       | 25     | 55            | 44       | 2        |    |
| 4        | Missouri                        | 12          | 34        | 55.7           | .387         | 21.52          | 2       |        | 19            |          | 13       |    |
| 5        | New Hampshire                   | 9           | 26        | 55.0           |              |                |         |        | ٠             | 26       |          |    |
| 6        | New York                        | 13          | 46<br>28  | 52.9<br>56.1   |              |                |         | 22     | 5             | 13<br>20 |          |    |
| 7 8      | Ohio<br>Pennsylvania            | 8           | 31        | 55. 2          | .411<br>.310 |                | •••••   | 2      | 5             | 20<br>19 | 8<br>5   |    |
| 9        | Other States                    | 15          | 31        | 57.7           | 397          | 22.84          |         |        | 3             | 10       | 3        | 15 |
| ۱        |                                 | -           |           |                |              |                |         |        |               |          |          |    |
| - 1      | Total                           | 121         | 367       | 54.9           | .449         | 24.55          | 16      | 56     | 88            | 147      | 45       | 15 |
| i        | Heel breasters, male:           |             |           |                |              |                |         |        |               |          |          |    |
| 10       | Massachusetts                   | 41          | 86        | 54.4           | .354         | 19.28          | 2       | 14     | 37            | 30       | 3        |    |
| 11       | Missouri                        | 9           | 23<br>17  | 56.2           |              |                | 1       |        | 11            | 11       |          |    |
| 12<br>13 | New Hampshire<br>New York       | 12          | 27        | 55.0<br>52.8   |              |                | 3       | 15     | 2             | 17       |          |    |
| 14       | Ohio                            | 7           | 18        | 56.1           |              |                | ٥       | 10     |               | 13       | 5        |    |
| 15       | Pennsylvania                    | 9           | 20        | 55.4           |              | 13.44          |         | i      | 5             | 9        | 5        |    |
| 16 l     | Other States                    | 24          | 41        | 55.4           |              |                |         | 3      | 4             | 13       | 10       | 11 |
|          | Total                           | 111         | 232       | 54.8           | . 319        | 17.50          | 6       | 33     | 590           | 100      | 23       | 11 |
| 1        | Edge trimmers, male:            |             | 202       |                | - 319        | 17.50          |         |        |               | 100      |          |    |
| 17       | Illinois                        | 6           | 49        | 54.0           | .548         | 29, 60         |         | 15     | 4             | 30       |          |    |
| 18       | Maine                           | 5           | 46        | 58. 1          |              |                |         |        |               |          | 46       |    |
| 19       | Massachusetts                   | 50          | 458       | 54. 2          | . 446        | 24. 16         | 22      | 62     | 228           | 142      | 4        |    |
| 20       | Missouri                        | 12          | 100       | 55. 7          | .376         | 20.82          | 11      |        | 46            | :::      | 43       |    |
| 21<br>22 | New Hampshire                   | 9           | 110<br>10 | 55.0<br>55.0   | .382<br>.547 |                |         | '      |               | 110      |          |    |
| 23       | New Jersey<br>New York          | 13          | 112       | 53.0           |              | 23.62          | 16      | 47     | 13            | 10<br>36 |          |    |
| 24       | Ohio                            | 8           | 83        | 56. 1          | 360          |                | 10      |        | 10            | 61       | 22       |    |
| 25       | Pennsylvania                    | 9           | 49        | 55.0           | .376         | 20.73          |         | 2      | 22            | 17       | 8        |    |
| 26       | Virginia                        | 3           | 14        | 57. 6          |              | 20.02          |         |        |               | 5        | 9        |    |
| 27       | Wisconsin                       | 4           | 22        | 58.6           | .347         | 20. 29         | •••••   | •••••  | ••••          | . 6      |          | 16 |
| 28       | Other States                    | 6           | 28        | 57.6           | . 405        | 23. 38         |         |        | 3             | 10       |          | 15 |
| 1        | Total                           | 129         | 1,081     | 54. 9          | . 423        | 23. 16         | 49      | 126    | 316           | 427      | 132      | 31 |
|          | Edge setters, male:             |             |           |                |              | 20.40          |         |        |               |          |          |    |
| 29       | Illinois                        | 6           | 51        | 54. 1          | .521         | 28.19          |         | 14     | 4             | 33       |          |    |
| 30<br>31 | Maine                           | 5<br>51     | 26<br>361 | 58.0<br>54.2   |              |                | 18      | 50     | 176           | 114      | 26<br>3  |    |
| 32       | Minnesota                       | 3           | 16        | 60.0           |              |                |         | 90     | 170           | 114      | ಿ        | 16 |
| 33       | Missouri                        | 12          | 92        | 55. 8          |              |                |         |        | 44            |          | 40       |    |
| 34       | New Hampshire                   | 9           | 79        | 55.0           | .366         | 20.10          |         |        |               | 79       |          |    |
| 35       | New Jersey                      | 4           | 22        | 55.0           | . 438        |                |         |        |               | 22       |          |    |
| 36       | New York                        | 14          | 116       | 52. 5          |              | 23.04          |         | 56     | 12            | 24       | <u>-</u> |    |
| 37       | Ohio                            | 8           | 92<br>67  | 56. 2          |              |                |         | ·····i |               | 64       | 28       |    |
| 38<br>39 | Pennsylvania<br>Virginia        | 3           | 13        | 55. 5<br>59. 0 |              | 19. 52         |         | . 1    | 22            | 26       | 18<br>13 |    |
| 40       | Wisconsin                       | 4           | 19        | 58. 7          |              |                |         |        |               | 5        |          | 14 |
| 41       | Other States                    | ã           | 12        | 54. 6          |              | 22. 52         |         |        | 5             | 7        |          |    |
| 1        | Total                           | 131         | 966       | 54. 9          | . 414        | 22. 62         | 50      | 121    | 263           | 374      | 128      | 30 |
|          | Heel scourers, male:            |             |           |                |              |                |         |        |               |          |          |    |
| 42       | Illinois                        | 6           | 21        | 54.0           |              | 21.01          |         | 6      | 3             | 12       |          |    |
| 43       | Maine                           | 5           | 17        | 58.0           | .378         | 21.92          |         |        |               |          | 17       |    |
| 44       | Massachusetts                   | 48          | 191       | 54. 1          |              | 20. 41         | 12      | 36     | 83            | 58       | 2        |    |
| 45       | Minnesota                       | 3<br>12     | 11        | 60.0           |              |                |         |        |               |          |          | 11 |
| 46<br>47 | Missouri<br>New Hampshire       | 12          | 56<br>44  | 56.3<br>55.0   |              | 16.11<br>14.65 |         | •••••  | 27            | 44       | 27       |    |
| 48       | New York                        | 13          | 62        | 53.3           | 390          |                |         | 29     | 4             | 25       |          |    |
| 49       | Ohio                            | 8           | 41        | 55. 9          |              | 18. 48         |         |        | . <b></b> .   | 32       | 9        |    |
| 50       | Pennsylvania                    | ğ           | 30        | 55. 2          | . 261        | 14. 44         |         | 2      | 11            | 11       | 6        |    |
| 51       | Other States                    | 13          | 31        | 57. 4          |              | 18. 31         |         |        | 2             | 13       | 5        | 11 |
|          | ' Total                         | 125         | 504       | 55. 0          | . 346        | 18.94          | 18      | 73     | 130           | 195      | 66       | 22 |
| 1        |                                 | <del></del> |           |                |              |                |         |        | I <del></del> |          |          |    |

| Under<br>6<br>cents.     | and                  | 8                            | 10                           |                              |                              |                              |                              |                              |   |  |   |  |  |
|--------------------------|----------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|---|--|---|--|--|
|                          | under<br>8<br>cents. | and<br>under<br>10<br>cents. | and<br>under<br>12<br>cents. | end<br>under<br>14<br>cents. | and<br>under<br>16<br>cents. | and<br>under<br>18<br>cents. | and<br>under<br>20<br>cents. | and<br>under<br>25<br>cents. | 25<br>and<br>under<br>30<br>cents.          | and<br>under<br>40<br>cents.           | 40<br>and<br>under<br>50<br>cents.          | cents<br>and<br>over.                    | Line<br>No.  |
|                          |                      | i                            | В                            | ОТТО                         | MING                         | DEPA                         | RTME                         | NT—C                         | ontinue                                     | d.                                     |   |  |  |
|                          |                      |                              |                              |                              | <b></b>                      |                              |                              | 1                            |   | 1<br>7                                 | 3   | 18                                       | 1  |
| <b></b>                  |                      | <b></b>                      |                              |                              | <b>-</b>                     | 1                            |                              | 2<br>2<br>2<br>2             | 1<br>7                                      | 26                                     | 3<br>4<br>43<br>15<br>6<br>7<br>4<br>1<br>8 | 1<br>56                                  | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8                                 |
| <b></b>                  |                      |                              |                              |                              |                              |                              |                              | 2                            | 5   | 9<br>11<br>9<br>15                     | 6 7   | 2<br>24                                  | 5  |
| <b></b>                  |                      |                              |                              | i                            | 2                            |                              | 1<br>i                       | <br>8<br><b>2</b>            | 7<br>4<br>5<br>6<br>2<br>9<br>3             | 15<br>6<br>11                          | 1 2   | 56<br>3<br>2<br>24<br>6<br>4<br>6        | 8  |
|                          |                      |                              |                              | 2                            | 2                            | 1                            | 2                            |                              | 37  | 95                                     | 91  | 120                                      |  |
|                          |                      |                              |                              |                              |                              | 3                            | 1                            | 6                            | 11  | 44                                     | 14  | 7  | 10   |
| <b>-</b>                 |                      | <b>-</b>                     |                              |                              | i                            | 3<br>3<br>1<br>1             | 4<br>1                       | 4<br>1<br>3<br>4<br>1        | 5<br>7<br>6<br>4<br>2                       | 7<br>5<br>10                           | 1<br>1                                      |  | 10<br>11<br>12<br>13<br>14<br>15                                     |
| <b>.</b>                 |                      |                              |                              | 3<br>1                       | 5 3                          | i                            | · · · · · i                  | 4<br>1                       | 6   | 5<br>3                                 | 4<br>2<br>2                                 | 3<br>1                                   | 14<br>15   |
|                          |                      | <u> </u>                     |                              | - 1<br>4                     | 3                            | 2<br>                        | 9                            |                              | $\frac{2}{41}$                              | 11<br>85                               | 10<br>33                                    | 12                                       |  |
|                          |                      |                              |                              |                              |                              |                              |                              |                              |   | 2                                      | 16  |  |  |
|                          |                      |                              |                              | 2                            | i                            |                              | 3                            | 3<br>15                      | 2<br>5<br>30                                | 11<br>122                              | 18<br>18<br>144                             | 29<br>8<br>142                           | 17<br>18<br>19   |
| <b></b>                  |                      |                              |                              |                              | · · · · · · · ·              | 1                            | 1                            | 15<br>7<br>2                 | 10<br>13                                    | 46<br>46                               | 25<br>43                                    | 10<br>5                                  | 20<br>21   |
|                          |                      |                              |                              |                              | i                            |                              | 11                           | 5                            | 4<br>14                                     | 46<br>1:<br>31:<br>39<br>21<br>5<br>13 | 2<br>39<br>20                               | 8<br>142<br>10<br>5<br>6<br>33<br>5<br>8 | 17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28 |
|                          |                      |                              |                              |                              |                              | 2                            | 1                            | 3                            | 9<br>5<br>5<br>4                            | 21<br>5                                | 5<br>4<br>1                                 | 8<br>2                                   | 25<br>26   |
|                          |                      |                              | i                            |                              |                              |                              | 1                            | 1<br>2                       |   |  | 5   | 8  | 28   |
|                          |                      |                              | 1                            | 2                            | 2                            | 3                            | 9                            | 41                           | 101   | 344                                    | 322   | 256                                      |  |
| <b>.</b>                 |                      |                              |                              |                              |                              |                              | 2                            | 1<br>8                       |   | 9<br>9<br>116                          | 15<br>17<br>97                              | 26<br>108                                | 29<br>30<br>31<br>32<br>33<br>34<br>35<br>36<br>37<br>38<br>39<br>40 |
|                          |                      |                              |                              |                              |                              | 2<br>1                       |                              | 1 2                          | 19  | 6<br>40                                | 7<br>26<br>21                               | 3<br>1                                   | 32   |
|                          |                      |                              |                              |                              |                              | 1                            | 1<br>2                       | 5                            | 30<br>2<br>19<br>6<br>3<br>7<br>9<br>6<br>5 | 49<br>5<br>37<br>46<br>24<br>7<br>10   | 6   | 1<br>8<br>40                             | 34<br>35   |
| <b>.</b><br><b>.</b><br> |                      |                              |                              |                              |                              |                              | ĩ                            | 5<br>4                       | 9   | 46<br>24                               | 25<br>23<br>27                              | 8  | 37<br>38   |
| <b></b>                  |                      |                              |                              |                              | i                            |                              | i                            |                              | 5<br>3                                      | 7<br>10                                | 1<br>4<br>2                                 | 3  | 39<br>40   |
|                          |                      |                              |                              |                              | 1                            | 3                            | 7                            | 26                           | 90  | 365                                    | 271   | 203                                      | 41   |
|                          |                      |                              |                              |                              |                              | 1                            |                              | 3                            | 1   | 8                                      | 5<br>8                                      | 3  | 42   |
|                          |                      |                              |                              | •••••                        |                              | 1<br>2                       | ······ <u>2</u>              | 17<br>17                     | 2<br>23<br>1<br>19<br>16<br>10              | 8<br>5<br>75<br>4                      | 8<br>55<br>4                                |  | 43<br>44   |
| <b></b> .<br><b>.</b>    |                      |                              | i                            | 1<br>1                       | i                            | <sub>2</sub>                 | 2<br>2                       | 1<br>14<br>9                 | 19<br>16                                    | 13<br>12                               | 5   | 1  | 46<br>47   |
|                          |                      |                              |                              |                              | 2                            | 2                            | 2<br>2<br>1<br>1             | 9<br>4<br>1<br>4             | 11  | 13<br>12<br>18<br>17<br>6<br>6         | 22<br>8<br>3                                | 7<br>1                                   | 42<br>43<br>44<br>45<br>46<br>47<br>48<br>49<br>50                   |
|                          |                      |                              | 3                            |                              | 2                            | 3<br>1                       | i                            | 4<br>6                       | 9<br>10                                     | 6                                      | 3<br>5                                      | 2  | 50   |

3

12

60

102

164

32

TABLE C.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK, WEEKLY EARNINGS,

|             |                                | Num-                                  | Num-                          | Aver-                                  | Aver-                      | Aver-  | Empl                              | oyees v                   | vhose i<br>week v | full-tim<br>vere—                 | ie hour                   | s per |
|-------------|--------------------------------|---------------------------------------|-------------------------------|--|----------------------------|--|-----------------------------------|---------------------------|-------------------|-----------------------------------|---------------------------|-------|
| Line<br>No. | Occupation, sex, and<br>State. | ber<br>of<br>estab-<br>lish-<br>ments | ber of<br>em-<br>ploy<br>ees. | full-<br>time<br>hours<br>per<br>week. | rate<br>of<br>wages<br>per | full-<br>time<br>week-<br>ly<br>earn-<br>ings. | Over<br>48<br>and<br>under<br>51. | 51<br>and<br>under<br>54. | 54.               | Over<br>54<br>and<br>under<br>57. | 57<br>and<br>under<br>60, | 60.   |

### BOTTOMING DEPARTMENT-Concluded.

| 1<br>2<br>3    | Heel burnishers, male: Illinois Maine Massachusetts | 5<br>5<br>50    | 14<br>11<br>143 | 58. 1<br>54. 4          | .377<br>.345   | 18.77          | 7     | 9      |          |                |               |    |
|----------------|---|-----------------|-----------------|-------------------------|----------------|----------------|-------|--------|----------|----------------|---------------|----|
| 4<br>5<br>6    | Missouri<br>New Hampshire<br>New York               | 12<br>9<br>13   | 37<br>32<br>41  | 56. 4<br>55. 0<br>52. 9 | . 270<br>. 356 | 14.88<br>18.78 | 5     | 20     | 15<br>5  | 11             | 20<br>32      |    |
| 7<br>8<br>9    | Ohio<br>Pennsylvania<br>Wisconsin                   | 9<br>4          | 30<br>22<br>15  | 56. 9<br>55. 3<br>59. 0 | . 268<br>. 245 |                | ••••• | 1      | 10       | 16<br>5<br>3   | 14<br>6       | 12 |
| 10             | Other States  Total                                 | 12 <sup>7</sup> | 367             | 57. 6<br>55. 2          |                |                | 14    |        | 99       | 109            | 92            | 19 |
| 11             | Buffers, male:                                      | 6               | 22              | 54.6                    |                |                |       | 2      | 3        | 17             |               |    |
| 12<br>13<br>14 | Maine<br>Massachusetts<br>Missouri                  | 12              | 18<br>225<br>53 | 55.9                    | .340<br>.280   | 18.46<br>15.66 | 7     | 25<br> | 97<br>25 |                | 18<br>2<br>24 |    |
| 15<br>16<br>17 | New Hampshire<br>New York<br>Ohio,                  | 14<br>8         | 59<br>50<br>32  | 55.0<br>52.8<br>55.8    | .364           | 20.17          | 13    | 15     |          | 59<br>20<br>26 | 6             |    |
| 18<br>19       | Pennsylvania<br>Other States                        |                 | 36<br>40        | 55.0<br>57.2            | . 322          | 18.35          |       | 4      | 11<br>4  | 14<br>17       | 5             | 14 |
|                | Total   | 129             | 535             | 54.9                    | .327           | 17.92          | 24    | 46     | 142      | 247            | 62            | 14 |

#### FINISHING DEPARTMENT.

| 20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28<br>29<br>30<br>31 | Treers or ironers, hand, male: Illinois. Maine. Massachusetts. Minnesota. Missouri. New Hampshire. New Jersey. New York. Ohio. Pennsylvania. Virginia. Wisconsin. Other States. | 65<br>477<br>388<br>77<br>396<br>55<br>34 | 91<br>60<br>645<br>20<br>100<br>86<br>21<br>99<br>73<br>36<br>22<br>22 | 53. 8<br>58. 0<br>54. 5<br>60. 0<br>55. 0<br>55. 0<br>56. 5<br>56. 2<br>59. 0<br>58. 2<br>59. 0<br>54. 7 | .307<br>.313<br>.301<br>.236<br>.271<br>.375<br>.291 | 18.06<br>13.13<br>14.93<br>20.61<br>15.47<br>13.92<br>11.80<br>16.17<br>16.67 | 18 | 52       | 311<br>66<br>23     | 51<br>180<br>86<br>21<br>16<br>46<br>2 |     | 1 11<br>20<br> |
|--|---|---|--|--|--|---|----|----------|---------------------|--|-----|----------------|
| 32   |   |   |  |  |  |   |    |          |                     |  |     |                |
|  | Total   | 109                                       | 1,307  | 55.0   | . 297  | 16.31   | 26 | 212      | 429                 | 433                                    | 152 | 3 45           |
| 33<br>34<br>35<br>36   | Treers or ironers, hand, female: New York. Ohio Pennsylvania. Other States.   | 4<br>3<br>3<br>5                          | 42<br>37<br>24<br>41   | 51.0<br>53.6<br>54.0<br>54.3   | . 226<br>. 192<br>. 157<br>. 163                     | 10.28<br>8.47   |    | 22<br>37 | 24<br>29            |  |     |                |
|  | Total   | 15  | 144  | 53.1   | . 188  | 9.93  | 20 | 59       | 53                  | 12                                     |     |                |
| 37<br>38<br>39<br>40<br>41   | Treers or ironers, machine, male: Massachusetts Missouri New Hampshire Pennsylvania Other States Total  | 7<br>8<br>5<br>3<br>4<br>27               | 129<br>74<br>84<br>17<br>41  | 53. 7<br>55. 8<br>55. 0<br>53. 8<br>55. 3  | . 251<br>. 257<br>. 304<br>. 314                     | 14.14<br>16.31  | 19 | 4        | 59<br>11<br>11<br>6 | 84<br>2<br>31<br>166                   | 44  | 4              |

1 Over 60.

|                      |                             |                                   |                              |                              |  |  |  |   |  |  |   |                             | 1         |
|----------------------|-----------------------------|-----------------------------------|------------------------------|------------------------------|--|--|--|---|--|--|---|-----------------------------|-----------|
| Under<br>6<br>cents. | and<br>under<br>8<br>cents. | 8<br>and<br>under<br>10<br>cents. | and<br>under<br>12<br>cents. | and<br>under<br>14<br>cents. | and<br>under<br>16<br>cents.             | 16<br>and<br>under<br>18<br>cents.       | 18<br>and<br>under<br>20<br>cents.                     | 20<br>and<br>under<br>25<br>cents.  | 25<br>and<br>under<br>30<br>cents.                       | 30<br>and<br>under<br>40<br>cents.   | and<br>under<br>50<br>cents.  | 50<br>cents<br>and<br>over. | Lir<br>No |
|                      | <u> </u>                    |                                   | В                            | отто                         | MING                                     | DEPA                                     | RTME   | e <b>nt</b> —c  | onclude  | ed.  | `   |                             |           |
|                      |                             |                                   |                              |                              |  |  |  |   |  |  |   |                             |           |
| •••••                |                             | •••••                             | '                            |                              | <b>-</b>                                 |  |  | 2   | 1  | 2  | 4<br>6  | 5                           |           |
| <i></i> .            |                             |                                   |                              |                              |  | 1  | 3  | 15  | 30   | 5<br>51  | 38  | 5                           | 1         |
|                      |                             |                                   |                              |                              | 1  | 3<br>1                                   | 3<br>2<br>4  | 9   |  | . 7  |   |                             |           |
| <i>.</i>             |                             |                                   |                              |                              |  | 1  | 4  | 10  | 15<br>7<br>8<br>5<br>5<br>7<br>6                         | . 9  |   | 1                           |           |
| • • • • •            |                             |                                   |                              | · • • • • • •                | 1  | $\begin{array}{c} 1\\1\\2\\1\end{array}$ |  | 4<br>6  | 8  | 15   | 10  | . 2                         | i         |
| •                    |                             |                                   | ····i                        |                              | 2  | 2  | 1  | 4   | 5  | 14<br>5  | 3<br>2  | ~·                          |           |
| . <b>.</b>           |                             |                                   |                              |                              |  | î  | 1<br>2   | 4   | 7  | ĭ  |   | •••••                       |           |
| . <b>.</b>           |                             |                                   |                              |                              | i  | î  |  | 4   | 6  | 8  | 1   | 1                           |           |
|                      |                             |                                   |                              |                              |  |  |  |   |  |  |   |                             |           |
|                      |                             |                                   | 1                            |                              | 5  | 11                                       | 13   | 58  | 84   | 117  | 64  | 14                          | :         |
| _                    | ·                           |                                   |                              | ====                         |  |  |  |   | <del></del> -  |  |   |                             | i         |
|                      |                             |                                   |                              |                              | 1  | j '                                      | 1  | 1   | 6  | 6  | 6   |                             |           |
| · • • • • •          |                             |                                   |                              |                              |  |  |  | ·   | 3  | 8  |   | 2<br>2<br>6                 |           |
| . <b>.</b>           |                             |                                   |                              | i                            |  | i  | 3  | 18  | 53   | 105  | 5<br>38   | 6                           | ١.        |
|                      |                             |                                   |                              |                              | 1  |  | 2  | 12  | 26<br>20   | 10   | 2   |                             |           |
| • • • • • •          |                             | <b></b>                           |                              | 2                            | 1  | 1  | 3<br>2<br>3<br>2                                       | 12<br>4<br>3<br>7<br>8<br>10  | 20   | 26<br>22   | 2   |                             |           |
| <b></b>              |                             |                                   |                              |                              |  |  | 2  | 3   | 6  | 22   | 15  | 2                           | [.        |
|                      |                             |                                   |                              | 4                            | 2  |  | 2  | 7   | 1  | 13   | 9   | 2                           | ĺ         |
| • • • • •            |                             |                                   | 4                            | 4                            | 2  |  | -  | 100   | 10<br>9  | 4<br>14  | 4   | 3                           |           |
|                      |                             |                                   | •••••                        |                              |  |  | ••••   |   |  |  |   |                             |           |
|                      | +                           | i .                               | 4                            | 7                            | 4  | 2  | 13   | 63  | 134  | 208  | 83  | 17                          | 1         |
|                      |                             |                                   |                              |                              |  |  |  |   |  |  |   |                             |           |
|                      | <u> </u>                    |                                   | <u> </u>                     | <u> </u>                     |  | <u> </u>                                 | <u> </u>   | 1   | 1  |  |   | 1,                          |           |
| -                    | 1                           | J                                 |                              | <u> </u>                     |  | <u> </u>                                 | <u> </u>   | TMEN  | 1  |  |   |                             |           |
| -                    |                             |                                   |                              | <u> </u>                     | INISH                                    | ING D                                    | EPAR   | TMEN  | т.   | 7  |   |                             |           |
| -                    |                             |                                   |                              | <u> </u>                     |  | ING D                                    | PEPAR  | TMEN  | <b>T.</b>  | 39<br>35   | 22  | 9                           |           |
|                      |                             |                                   | 5                            | <u> </u>                     | INISH                                    | ING D                                    | DEPAR 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1            | TMEN  | <b>T.</b>  | 39<br>35<br>273  | 22<br>1<br>53   |                             |           |
| -                    |                             |                                   | 5                            | F                            | INISH                                    | ING D                                    | PEPAR'   | TMEN  | <b>T.</b>  | 39<br>35<br>273<br>10  | 222<br>1<br>53  | 9                           |           |
| -                    |                             | 1                                 |                              | F                            | INISH                                    | ING D                                    | PEPAR'   | TMEN  | <b>T.</b>  | 39<br>35<br>273<br>10<br>16  | 222<br>1<br>53  | 9                           |           |
|                      |                             | 1                                 | 5                            | F                            | 2<br>6                                   | 1NG D                                    | PEPAR'   | TMEN  | <b>T.</b>  | 39<br>35<br>273<br>10<br>16<br>23  | 222<br>1<br>53  | 9                           |           |
|                      |                             | 1                                 | 5                            | F                            | 2<br>6                                   | 1NG D                                    | 1<br>1<br>17<br>17<br>16<br>61<br>12                   | TMEN  | <b>T.</b>  | 39<br>35<br>273<br>10<br>16<br>23  | 222<br>1<br>53<br>1   | 9                           |           |
|                      |                             | 1                                 | 5                            | 3<br>7                       | 2<br>3<br>2<br>1<br>3                    | 1NG D                                    | 1<br>1<br>17<br>17<br>16<br>61<br>12                   | TMEN  | <b>T.</b>  | 39<br>35<br>273<br>10<br>16<br>23<br>1<br>27<br>13   | 222<br>1<br>53<br>1<br>4<br>11<br>1   | 9                           |           |
|                      |                             | 1                                 | 5                            | F                            | 2<br>3<br>2<br>1<br>3                    | 1 1 7 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1  | 1<br>1<br>17<br>17<br>16<br>61<br>12                   | TMEN  | <b>T.</b>  | 39<br>35<br>273<br>10<br>16<br>23<br>3<br>1<br>27<br>13<br>6                               | 222<br>1<br>53<br>1<br>4<br>11<br>1   | 9                           |           |
|                      |                             | 1                                 | 5                            | 3<br>7                       | 2<br>3<br>2<br>1<br>3                    | 1NG D                                    | 1<br>1<br>17<br>17<br>16<br>61<br>12                   | 111 77 92 32 21 29 4 20 5 5 100   | 6 164 4 36 32 21 5 6 6                                   | 39<br>35<br>273<br>10<br>16<br>23<br>1<br>27<br>13   | 222<br>1<br>53<br>1<br>4<br>11<br>1   | 9                           |           |
|                      |                             | 1                                 | 5                            | 3<br>7                       | 2<br>6<br>3<br>2<br>1<br>1<br>3<br>4     | 11 77 11 15 6                            | 1<br>1<br>17<br>17<br>16<br>61<br>12                   | 111 77 92 32 21 29 4 20 5 5 100   | 6 164 4 36 32 21 5 6 6                                   | 39<br>35<br>273<br>10<br>16<br>23<br>3<br>1<br>27<br>13<br>6                               | 222<br>1<br>53<br>1<br>4<br>11<br>1   | 9                           |           |
|                      |                             | 1                                 | 5                            | 3<br>7                       | 2<br>6<br>3<br>2<br>1<br>1<br>3<br>4     | 1NG D                                    | 1<br>1<br>17<br>17<br>16<br>61<br>12                   | TMEN  | 6 164 4 36 32 21 5 6 6                                   | 39<br>35<br>273<br>10<br>16<br>23<br>3<br>1<br>27<br>13<br>6                               | 222<br>1<br>53<br>1<br>4<br>11<br>1   | 9                           |           |
|                      |                             | 1                                 | 5                            | 3<br>7                       | 22<br>66<br>33<br>22<br>134              | 11 77 11 15 6                            | 1<br>1<br>17<br>16<br>6<br>1<br>2<br>3<br>3<br>10<br>4 | 111 7 92 3 21 129 4 244 220 5 100 4 9   | 6 164 164 362 11 322 321 5 6 6 111 17                    | 39<br>35<br>273<br>10<br>16<br>23<br>3<br>1<br>27<br>13<br>6                               | 222<br>1<br>53<br>1<br>4<br>11<br>1   | 9 25                        |           |
|                      |                             | 1                                 | 55                           | 3<br>7                       | 22<br>66<br>33<br>22<br>134              | 11 1 5 1 5 6 6 4 4                       | 1<br>1<br>17<br>16<br>6<br>1<br>2<br>3<br>3<br>10<br>4 | 111 7 92 3 21 129 4 244 220 5 100 4 9   | 6 164 164 362 11 322 321 5 6 6 111 17                    | 39<br>35<br>273<br>10<br>16<br>23<br>1<br>27<br>713<br>6                                   | 222<br>13<br>533<br>1<br>1<br>4<br>11<br>11   | 9                           |           |
|                      |                             | 1                                 | 55                           | 3 7 2 2 14                   | 2<br>6<br>3<br>2<br>1<br>3<br>4          | 11 1 5 1 5 6                             | 1<br>1<br>1<br>17<br>16<br>6<br>1<br>2<br>3<br>10<br>4 | 111 7 92 3 21 29 4 4 24 20 5 10 4 9 9   | 6 164 4 366 322 21 5 6 11 17 351                         | 39<br>35<br>273<br>10<br>16<br>23<br>1<br>27<br>13<br>6<br>6<br>7                          | 222<br>13<br>533<br>1<br>1<br>4<br>11<br>11   | 9 25                        |           |
|                      |                             | 1                                 | 55                           | 3<br>7<br>2<br>14            | 21 110 110 110 110 110 110 110 110 110 1 | 11 1 5 1 5 6                             | 1<br>1<br>1<br>17<br>16<br>6<br>1<br>2<br>3<br>10<br>4 | 111 77 92 33 211 224 220 5 100 4 9 9 239  | 6 164 4 366 322 21 5 6 11 17 351                         | 39<br>35<br>273<br>10<br>16<br>23<br>1<br>27<br>713<br>6                                   | 222<br>13<br>533<br>1<br>1<br>4<br>11<br>11   | 9 25                        |           |
|                      |                             | 1                                 | 5<br>5<br>5<br>14            | 3<br>7<br>2<br>14            | 21 110 110 110 110 110 110 110 110 110 1 | 11 1 5 1 5 6                             | 1<br>1<br>1<br>17<br>16<br>6<br>1<br>2<br>3<br>10<br>4 | 111 7 922 3 21 299 4 24 24 20 5 5 10 4 9 9 239  | 6 164 44 366 322 211 55 61 11 177 351                    | 399<br>355<br>273<br>100<br>168<br>233<br>1<br>277<br>133<br>66<br>7<br>7                  | 222<br>13<br>533<br>1<br>1  | 9 25                        |           |
|                      |                             |                                   | 55                           | 2<br>2<br>14                 | 21 110 110 110 110 110 110 110 110 110 1 | 11 1 5 1 5 6                             | 1<br>1<br>1<br>17<br>16<br>6<br>1<br>2<br>3<br>10<br>4 | 111 77 92 33 211 224 220 5 100 4 9 9 239  | 6 164 44 366 322 211 55 61 11 177 351                    | 399<br>355<br>273<br>100<br>168<br>233<br>1<br>277<br>133<br>66<br>7<br>7                  | 222<br>13<br>533<br>1<br>1  | 9 25                        |           |
|                      | !                           | 3                                 | 14                           | 2<br>2<br>14<br>4            | 21<br>10<br>21<br>10<br>10<br>6          | 1 1 5 1 5 6 6                            | 1 1 17 16 6 1 1 2 3 3 10 4 4 4 6 2 3 3                 | 111 7 92 33 211 299 4 200 5 100 4 9 239 211 18 3 6 6  | 6 164 4 36 322 21 5 6 11 177 351 12 2                    | 39<br>35<br>273<br>10<br>16<br>23<br>1<br>27<br>13<br>6<br>6<br>7<br>                      | 222<br>13<br>533<br>1<br>1  | 9 25                        |           |
|                      |                             | 3                                 | 14                           | 2<br>2<br>14<br>4            | 21<br>10<br>21<br>10<br>10<br>6          | 1 1 5 1 5 6 6                            | 1 1 17 16 6 1 1 2 3 3 10 4 4 4 6 2 3 3                 | 111 7 92 33 211 299 4 200 5 100 4 9 239 211 18 3 6 6  | 6 164 4 36 322 21 5 6 11 177 351 12 2                    | 399<br>355<br>273<br>100<br>168<br>233<br>1<br>277<br>133<br>66<br>7<br>7                  | 222<br>13<br>533<br>1<br>1  | 9 25                        |           |
|                      | !                           | 3                                 | 14                           | 2<br>14<br>4<br>2<br>12      | 21<br>3 4<br>                            | 11                                       | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1                  | 111 7 922 3 21 299 4 24 24 20 5 5 10 4 9 9 239 21 18 3 6 6 48                                   | 6 164 44 366 322 211 55 61 11 177 351 22 22 166          | 39<br>35<br>273<br>10<br>16<br>23<br>1<br>1<br>27<br>13<br>6<br>6<br>6<br>7                | 222<br>13<br>53<br>11<br>11<br>11<br>11<br>93   | 7 41                        |           |
|                      | !                           | 3                                 | 14<br>11<br>6<br>8           | 2<br>14<br>4<br>6<br>2<br>12 | 21<br>3 4<br>                            | 11                                       | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1                  | 111 7 922 3 21 299 4 24 24 20 5 5 10 4 9 9 239 21 18 3 6 6 48                                   | 6 164 44 366 322 211 55 61 11 177 351 22 22 166          | 39<br>35<br>273<br>10<br>16<br>6<br>23<br>1<br>27<br>13<br>6<br>6<br>7<br>7                | 222<br>13<br>53<br>11<br>11<br>11<br>11<br>11<br>93   | 77                          |           |
|                      | !                           | 3                                 | 14<br>14<br>16<br>8          | 2<br>14<br>4<br>6<br>2<br>12 | 21<br>3 4<br>                            | 11                                       | ### PEPAR  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1       | 111 7 922 3 21 299 4 24 24 20 5 5 10 4 9 9 239 21 18 3 6 6 48                                   | 6 164 44 366 322 211 55 61 11 177 351 22 22 166          | 39<br>35<br>273<br>10<br>16<br>6<br>23<br>1<br>27<br>13<br>6<br>6<br>7<br>7                | 222<br>13<br>53<br>11<br>11<br>11<br>11<br>11<br>93   | 77                          |           |
|                      | !                           | 3                                 | 14<br>11<br>6<br>8           | 2<br>14<br>4<br>6<br>2<br>12 | 21<br>3 4<br>                            | 11                                       | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1                  | 111 7 92 3 21 29 4 24 24 20 5 10 4 9 239 21 18 8 3 6 6 3 5 20 3 6 6 3 6 6 3 6 6                 | 6 164 44 366 322 211 5 6 6111 177 351 22 22 16 35 31 400 | 399<br>355<br>2733<br>10<br>166<br>233<br>1<br>1<br>277<br>13<br>6<br>6<br>6<br>7<br>7<br> | 222<br>13<br>533<br>11<br>11<br>11<br>11<br>11<br>12<br>13<br>14<br>111<br>11<br>11<br>11<br>11<br>11<br>11<br>11<br>11<br>11<br>11<br>11 | 77                          |           |
|                      | !                           | 3                                 | 14<br>11<br>6<br>8           | 2<br>14<br>4<br>6<br>2<br>12 | 21<br>3 4<br>                            | 11                                       | ### PEPAR  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1       | 111 7 922 3 21 219 4 240 5 100 100 118 3 3 6 6 6 1 1 20 3 6 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 6 16 164 164 164 164 164 164 164 164 164                 | 39<br>35<br>273<br>310<br>66<br>23<br>1<br>277<br>13<br>6<br>6<br>6<br>7<br>               | 22<br>1<br>53<br>1<br>11<br>1<br>1<br>93  | 77                          |           |
|                      | !                           | 3                                 | 14<br>11<br>6<br>8           | 2<br>14<br>4<br>6<br>2<br>12 | 21<br>3 4<br>                            | 11                                       | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1                  | 111 7 922 3 21 219 4 240 5 100 100 118 3 3 6 6 6 1 1 20 3 6 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 6 16 164 164 164 164 164 164 164 164 164                 | 39<br>35<br>273<br>310<br>66<br>23<br>1<br>277<br>13<br>6<br>6<br>6<br>7<br>               | 22<br>1<br>53<br>1<br>11<br>1<br>1<br>93  | 77                          |           |

<sup>&</sup>lt;sup>2</sup> Including 11 over 60.

### Table C.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK, WEEKLY EARNINGS,

|             |                                | Num-<br>ber                    | Num-                           | Aver-                                  | Aver-                               | A ver-<br>age<br>full-                | Empl |                           |     | full-tim<br>were—                 | e hour                    | s per |
|-------------|--------------------------------|--------------------------------|--------------------------------|--|-------------------------------------|---------------------------------------|------|---------------------------|-----|-----------------------------------|---------------------------|-------|
| Line<br>No. | Occupation, sex, and<br>State. | of<br>estab-<br>lish-<br>ments | ber of<br>em-<br>ploy-<br>ees. | full-<br>time<br>hours<br>per<br>week. | rate<br>of<br>wages<br>per<br>hour, | time<br>week-<br>ly<br>earn-<br>ings. | 48   | 51<br>and<br>under<br>54. | 54. | Over<br>54<br>and<br>under<br>57. | 57<br>and<br>under<br>60. | 60.   |

#### OTHER EMPLOYEES (ALL DEPARTMENTS).

| 6         New Hampshire         11         2,580         55.1         226         12.44         2,575           8         New Jersey         4         341         55.2         242         13.33         610         325         325           8         New York         14         2,953         52.9         268         14.19         4477         1,369         367         715         1         1,308         602           10         Pennsylvania.         9         1,434         55.8         212         11.92         4         53         554         295         497           11         Virginia.         2         262         59.0         196         11.56         53         544         295         497           12         Wisconsin.         4         440         58.9         194         11.43         9.3         80         261           13         Other States.         3         273         54.7         243         13.28         145         125           Female:           14         Illinois.         6         539         54.4         173         9.41         76         92         371         11   |             | <del></del>   |     |         |      |         |         |           |       |           |        |        |          |
|---|-------------|---------------|-----|---------|------|---------|---------|-----------|-------|-----------|--------|--------|----------|
| Maine   |             | Male:         | į   |         | 1    |         |         |           |       |           |        |        |          |
| Maine   | 1           | Illinois      | 6   | 984     | 54.3 | 80. 247 | \$13.44 | Í <i></i> | 202   | 97        | 685    |        |          |
| Massachusetts   | 2           | Maine         | 5   | 806     | 58.0 | . 245   | 14. 23  |           |       |           |        | 806    |          |
| 4         Minnesota         3         372         60.0         242         14.53           953           5         Missouri         14         2,648         56.0         226         12.65         107         1,481          953           6         New Jersey         4         341         55.2         228         12.44          2,575          325           8         New York         14         2,953         52.9         268         14.19         4477         1,369         367         715         1           9         Ohio.         8         1,937         56.3         203         11.45         53         17         1,308         602         10         Pennsylvania         9         1,434         55.8         212         11.92         4         53         554         295         497         11         10         11.03         11.03         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         2.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00  |             | Massachusetts | 52  |         |      | . 262   | 14.19   | 1 499     | 1.279 | 4.375     | 2, 693 | 93     | 2 41     |
| 5         Missouri         14         2, 648         56. 0         226         12.65         107         1, 481         953           7         New Hampshire         11         2, 580         55.1         226         12.44         2, 575         325         1           8         New York         14         2, 953         52.9         268         14.19         6477         1, 393         367         715         1           9         Ohio.         8         1, 937         56.3         203         11.45         63         17         1, 308         602           10         Pennsylvania.         9         1, 434         55.8         212         11.92         4         53         554         295         497           11         Virginia.         2         262         59.0         196         11.56          261           12         Wisconsin.         4         440         58.9         194         11.43         93          87           13         Other States.         3         273         54.7         243         13.28         145         125           14         Illinois.         6  |             |               |     | 372     | 60.0 | . 242   | 14.53   |           |       | !         |        |        | 372      |
| 6         New Hampshire         11         2,580         55.1         226         12.44         2,575           7         New Jersey         4         341         55.2         242         13.33         6 10         325         715         1           8         New York         14         2,953         52.9         268         14.19         6477         1,369         367         715         1           10         Pennsylvania         9         1,434         55.8         212         11.92         4         53         554         295         497           11         Virginia         2         262         59.0         196         11.56         3         87         261           12         Wisconsin         4         440         58.9         194         11.43         93         87         261           13         Other States         3         273         54.7         243         13.28         145         125            Female:         Female:         Female:         Female:         Female:         Female:         Female:         Female:         Female: <td><math>\tilde{5}</math></td> <td></td> <td></td> <td></td> <td></td> <td>. 226</td> <td>12,65</td> <td>107</td> <td></td> <td>1.481</td> <td></td> <td>953</td> <td></td> | $\tilde{5}$ |               |     |         |      | . 226   | 12,65   | 107       |       | 1.481     |        | 953    |          |
| 8         New York         14         2,953         52.9         268         14.19         6477         1,369         367         715         1           9         Ohio         8         1,937         56.3         203         11.45         53         554         295         497           11         Virginia         2         262         59.0         196         11.56   |             | New Hampshire |     | 2,580   | 55.1 | . 226   | 12.44   |           |       | _,        | 2, 575 |        | 45       |
| 8         New York         14         2,953         52.9         268         14.19         6477         1,369         367         715         1           9         Ohio         8         1,937         56.3         203         11.45         53         554         295         497           11         Virginia         2         262         59.0         196         11.56   |             | New Jersey    |     | 341     | 55.2 | . 242   | 13.33   | 5 10      |       |           | 325    |        | 46       |
| 9 Ohio  | 8           | New York      |     |         |      |         |         | 8 477     | 1.369 | 367       | 715    | i      | 7 24     |
| 10  | ğ           | Ohio          |     | 1, 937  | 56.3 |         |         | 53        | ,000  | 17        | 1.308  | 602    |          |
| 11  | 1ŏ          | Pennsylvania  | 9   | 1, 434  | 55.8 |         |         | Ă         | 53    | 554       | 295    | 497    |          |
| Total. 135 24,010 55.0 .243 13.28 145 125  Female:    14  |             | Virginia      |     | 262     | 59.0 |         | 11.56   |           |       |           |        |        |          |
| Total. 135 24,010 55.0 .243 13.28 145 125  Female:    14  |             | Wisconsin     | 4   |         |      |         |         | 93        |       |           | 87     |        | 350      |
| Total. 135 24,010 55.0 .243 13.35 10 1,103 2,903 7,036 8,808 3,213 1  Female:  14 Illinois. 66 539 54.4 173 9.41 76 92 371 621 16 Massachusetts. 52 5,698 53.6 193 10.59 2347 936 4,415 621 17 Minnesota. 3 213 54 0 185 10.01 213 18 Missouri 12 1,526 53.7 156 8.38 99 1,427 1234 19 New Hampshire 11 1,234 55.0 183 10.07 12 142 123 124 124 125 125 125 125 125 125 125 125 125 125   |             | Other States  |     |         |      |         |         | l         |       | 145       | 125    |        | 4 3      |
| Female:  14 Illinois 6 539 54.4 173 9.41 76 92 371  15 Maine 5 621 57.9 183 10.59 621 10.59 621 10.59 10.37 12.347 936 4.415  16 Massachusetts 52 5,698 53.6 193 10.37 12.347 936 4.415  17 Minnesota 3 213 54.0 185 10.01 213 18 Missouri 12 1,526 53.7 156 8.38 99 1,427 1.234 19 New Hampshire 11 1,234 55.0 183 10.07  19 New Hampshire 11 1,234 55.0 183 10.07 1,234  20 New Jersey 4 295 54.8 154 8.43 57 1,234  21 New York 14 1,713 51.6 204 10.53 12.657 612 444  22 Ohio 8 1,252 53.8 157 8.47 21 674 577  23 Pennsylvania 9 972 53.4 142 7.62 14 126 30 816  182 182   |             |               |     |         |      |         |         |           |       |           |        |        | <u> </u> |
| Female:  14 Illinois 6 539 54.4 173 9.41 76 92 371  15 Maine 5 621 57.9 183 10.59 621 10.59 621 10.59 10.37 12.347 936 4.415  16 Massachusetts 52 5,698 53.6 193 10.37 12.347 936 4.415  17 Minnesota 3 213 54.0 185 10.01 213 18 Missouri 12 1,526 53.7 156 8.38 99 1,427 1.234 19 New Hampshire 11 1,234 55.0 183 10.07  19 New Hampshire 11 1,234 55.0 183 10.07 1,234  20 New Jersey 4 295 54.8 154 8.43 57 1,234  21 New York 14 1,713 51.6 204 10.53 12.657 612 444  22 Ohio 8 1,252 53.8 157 8.47 21 674 577  23 Pennsylvania 9 972 53.4 142 7.62 14 126 30 816  182 182   |             | Total         | 135 | 24 010  | 55.0 | . 243   | 13.35   | 10 1 103  | 2 903 | 7 036     | 8 808  | 3 213  | 11 047   |
| 14         Illinois.         6         539         54.4         173         9.41         76         92         371            15         Maine.         5         621         57.9         183         10.59          621          621         53.6         193         10.37         12347         936         4,415   |             | 10001         |     | ==-     |      |         | 10.00   | -, 200    | 2,000 | -,,,,,,,, | ,000   | 0, 210 |          |
| 14         Illinois.         6         539         54.4         173         9.41         76         92         371            15         Maine.         5         621         57.9         183         10.59          621          621         53.6         193         10.37         12347         936         4,415   |             | Female:       |     |         |      |         |         |           |       |           |        |        |          |
| 15  | 14          | Illinois      | 6   | 539     | 54.4 | . 173   | 9.41    |           | 76    | 92        | 371    |        | ĺ        |
| 16     Massachusetts     52     5,698     53.6     193     10.37     12347     936     4,415       17     Minnesota     3     213     54.0     185     10.01     1233     133       18     Missouri     12     1,526     83.7     156     8.38     99     1,427       19     New Hampshire     11     1,234     55.0     183     10.07     1,234       20     New Jersey     4     295     54.8     154     84.3     67     612     442       21     New York     14     1,713     51.6     204     10.53     12 657     612     442       22     Ohio     8     1,252     53.8     157     8.47     91     674     577       23     Pennsylvania     9     972     53.4     142     7.62     14 126     30     816       24     Virginia     3     182     59     0.145     8.58     182   |             | Maine         |     | 621     | 57.9 | . 183   | 10.59   |           |       |           |        | 621    |          |
| 17   Minnesota   3   213   54.0   185   10.01   213   18   Missouri   12   1,526   53.7   156   8.38   99   1,427     19   New Hampshire   11   1,234   55.0   183   10.07   1,234     1,234     20   New Jersey   4   295   54.8   154   8.43   67   228     21   New York   14   1,713   51.6   204   10.053   13 657   612   444     22   Ohio.   8   1,252   53.8   157   8.47   91   674   577     23   Pennsylvania   9   972   53.4   142   7.62   14 126   30   816     24   Virginia   3   182   59.0   145   8.58   182   182     182   |             | Massachusetts |     |         |      |         | 10.37   | 12 347    | 936   | 4, 415    |        | , ,,,, |          |
| 18     Missouri     12     1,526     53.7     156     8.38     99     1,427       19     New Hampshire     11     1,234     55.0     183     10.07     1,234     1,234       20     New Jersey     4     295     54.8     154     8.43     67     61     248       21     New York     14     1,713     51.6     204     10.53     13 657     612     444       22     Ohio.     8     1,525     53.8     157     8.47     91     674     577       23     Pennsylvania.     9     972     53.4     142     7.62     14 126     30     816       24     Virginia.     3     182     59.0     145     8.58     182   | ĨŽ          |               |     | 213     |      |         | 10.01   |           |       | 213       |        |        |          |
| 19  |             |               |     |         | 53.7 | . 156   | 8.38    | 99        |       | 1 427     |        |        |          |
| 20     New Jersey     4     295     54.8     1.54     8.43     67.     228       21     New York     14     1,713     51.6     204     10.53     13 657     612     444       22     Ohio.     8     1,252     53.8     157     8.47     91     674     577       23     Pennsylvania.     9     972     53.4     142     7.62     14 126     30     816       Virginia.     3     182     59.0     142     8.58     8.58     182   | 19          |               |     | 1 234   |      |         |         |           |       |           | 1 234  |        |          |
| 21     New York     14     1,713     51.6     204     10.53     13 657     612     444       22     Ohio     8     1,252     53.8     157     8.47     91     674     577       23     Pennsylvania     9     972     53.4     142     7.62     14 126     30     816       24     Virginia     3     182     59.0     145     8.58     182   |             | New Jersey    | - 4 | 295     | 54.8 |         |         | 5 7       |       |           | 288    |        |          |
| 22 Ohio   | 21          | New York      | 14  |         |      |         |         | 13 657    | 612   | 444       |        |        |          |
| 23 Pennsylvania 9 972 53.4 142 7.62 14 126 30 816   |             | Ohio          |     | 1, 252  |      |         |         | 91        |       | 577       |        |        |          |
| 24 Virginia 3 182 59.0 145 8.58 182 182   |             | Pennsylvania  |     | 972     |      |         |         |           |       | 816       |        |        |          |
| 25 Wisconsin 4 413 55 0 138 7.59 413  |             | Virginia      | 3   |         |      |         | 8.58    |           |       |           |        | 182    |          |
|   | 25          | Wisconsin     | 4   | 413     | 55.0 | . 138   | 7.59    | l         |       |           | 413    |        |          |
| 26 Other States 3 193 54.0 .158 8.52  | 26          |               | 3   |         |      | . 158   | 8.52    |           |       | 193       |        |        |          |
|   |             |               |     |         |      |         |         |           |       |           |        |        |          |
| Total   |             | Total         | 134 | 14, 851 | 53.8 | . 179   | 9.62    | 151, 237  | 2,328 | 8, 177    | 2,306  | 803    |          |
|   | i           |               |     | ,       | - 1  |         |         | ,         | '     |           | ,      |        |          |

<sup>1</sup> Including 26 under 48 hours and 15 at 48 hours.
2 Including 32 over 60 hours.
8 Including 22 over 60 hours.
4 Over 60 hours.
5 Under 48 hours.
6 Including 24 under 48 hours.
7 Including 17 over 60 hours.
8 Including 15 over 60 hours.

# AND RATES OF WAGES PER HOUR, AND AVERAGE FULL-TIME BY STATES, 1916—Concluded.

|                      |                      |                                   | Emp                                | loyees                       | whose r                      | ates of v                          | wages p                            | er hour                            | were-                              |                                    |                     |                             |             |
|----------------------|----------------------|-----------------------------------|------------------------------------|------------------------------|------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|---------------------|-----------------------------|-------------|
| Under<br>6<br>cents. | 6 and under 8 cents. | 8<br>and<br>under<br>10<br>cents. | 10<br>and<br>under<br>12<br>cents. | and<br>under<br>14<br>cents. | and<br>under<br>16<br>cents. | 16<br>and<br>under<br>18<br>cents. | 18<br>and<br>under<br>20<br>cents. | 20<br>and<br>under<br>25<br>cents. | 25<br>and<br>under<br>30<br>cents. | 30<br>and<br>under<br>40<br>cents. | and under 50 cents. | 50<br>cents<br>and<br>over. | Line<br>No. |

## OTHER EMPLOYEES (ALL DEPARTMENTS).

| ī            |                    | · I             |           | _                       | 1                |                |                    |           |                            |                       | _                    |                   |  |
|--------------|--------------------|-----------------|-----------|-------------------------|------------------|----------------|--------------------|-----------|----------------------------|-----------------------|----------------------|-------------------|--|
|              |                    | 1               |           |                         |                  |                |                    |           | ,                          |                       |                      |                   |  |
|              | 9                  | 22              | 48<br>37  | 63<br>54<br><b>43</b> 7 | 74               | 96<br>52       | 79                 | 184       | 158                        | 164<br>137            | 48<br>60             | 39<br>21          | 1  |
| 1 1          | _1                 | . 9             | 37        | 54                      | 124              | 52             | 46                 | 137       | 127                        | 137                   | 60                   | 21                | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10                            |
| 13           | 37                 | 154             | 358       | 437                     | 344              | 795            | 684                | 1,576     | 1,761                      | 1,960                 | 595                  | 266               | 3  |
|              | 13                 | 100             | 32<br>179 | 20<br>237               | 21<br>212        | 28<br>207      | 13<br>170          | 95<br>532 | 68<br>436                  | 74<br>403             | 17                   | 2                 | 4  |
| 1 7          | 10                 | 100             | 69        | 180                     | 120              | 400            | 298                | 637       | 383                        | 994                   | 105<br>69            | 50<br>31          | 5  |
| 1            | 13<br>2<br>12<br>7 | 29<br>7<br>28   | 25        | 28                      | 130<br>22        | 23             | 21                 | 76        | 54                         | 334<br>52             | 17                   | 13                | 9  |
| 6            | 12                 | 28              | 138       |                         | 197              | 173            | 163                | 515       | 547                        | 681                   | 245                  | 102               | Ŕ  |
| i            | 7                  | 48              | 266       | 147                     | 211              | 178            | 143                | 380       | 273                        | 681<br>237            | 35                   | 102<br>11         | g  |
| 2            | 21<br>10<br>8      | 81              | 171       | 142                     | 159              | 125            | 103                | 225       | 161                        | 136<br>27<br>46<br>38 | 245<br>35<br>64<br>7 | 44                | 10   |
| 4            | 10                 | 19<br>22        | 45        | 15<br>51                | 21<br>49<br>20   | 12<br>49<br>22 | 6                  | 60        | 33<br>62                   | 27                    | 7                    | 44<br>3<br>3<br>5 | 11   |
| \            | 8                  | 22              | 44        | 51                      | 49               | 49             | 29<br>17           | 71        | 62                         | 46                    | 6                    | 3                 | 12<br>13   |
|              | 1                  | 4               | 15        | 14                      | 20               | 22             | 17                 | 63        | 60                         | 38                    | 14                   | 5                 | 13   |
| 39           | 134                | 525             | 1, 427    | 1,534                   | 1,584            | 2,160          | 1,772              | 4, 551    | 4, 123                     | 4, 289                | 1,282                | 590               |  |
|              |                    |                 |           |                         |                  |                |                    |           |                            |                       |                      |                   |  |
| 2            | 30                 | 26              | 58        | 80                      | 69               | 65             | 48                 | 93        | 41                         | 23                    | 2                    | 2                 | 14   |
| 4            | 13                 | 25              | 76        | 74                      | 84               | 65<br>54       | 48<br>52           | 129       | 41<br>74                   | 23<br>34              | ĩ                    | 1 1               | 15   |
| 2<br>4<br>12 | 63                 | 185             | 508       | 566                     | 485              | 768            | 780<br>19          | 1, 285    | 638<br>22<br>83<br>87<br>8 | 354                   | 2<br>1<br>50<br>2    | 4                 | 16   |
|              |                    | 2               | 26        | 34                      | 26               | 23             | 19                 | 50        | 22                         | 9<br>41<br>34         | 2                    |                   | 17   |
| 7            | 49                 | 176             | 238       | 249                     | 187              | 201            | 109                | 182       | 83                         | 41                    | 3                    | ] 1               | 18   |
| 16           |                    | 31              | 90        | 158                     | 116              | 186            | 152                | 328       | 87                         | 34                    | 10                   | 1<br>2<br>1       | 19   |
|              | 11                 | 31<br>20<br>37  | 44<br>125 | 57<br>155               | 116<br>53<br>190 | 47<br>192      | 25<br>172          | 33<br>407 | 266                        | 3<br>131              | 21                   | 1 6               | 20   |
| 8            |                    | 84              | 237       | 187                     | 209              | 112            | 129                | 187       | 200                        | 161                   | 21                   | 9                 | 21   |
| 4            | 41                 | 144             | 225       | 174                     | 121              | 84             | 38                 | 75        | 70<br>39                   | 16<br>22              | 5                    |                   | 22   |
|              | 1 -6               | 25              | 36        |                         | 27               | 84<br>27       | 14                 | iš        | 10                         | 1                     | l                    |                   | 24   |
| 2            | 8                  |                 |           |                         |                  |                |                    |           |                            |                       |                      |                   |  |
| 84 22 7      | 30                 | 39              | 90        | 70                      | 50               | 43             | 27                 | 46        | 10                         | 1                     |                      |                   | 25   |
| 7            | 30<br>4            |                 | 90<br>25  | 70                      | 50               | 43<br>20       | 27<br>26           | 46<br>32  | 10<br>7                    | 1<br>4                | i                    |                   | 25<br>26   |
| 62           | 4                  | 39<br>31<br>825 | 90        | 70<br>23                | 50<br>20         | 20<br>1,822    | 27<br>26<br>1, 591 |           | 10<br>7<br>1,355           |                       | 96                   | 17                | 14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25<br>26 |

<sup>9 48</sup> hours.
10 Including 63 under 48 hours and 18 at 48 hours.
11 Including 108 over 60 hours.
12 Including 64 under 48 hours and 22 at 48 hours.
12 Including 9 under 48 hours.
14 Including 1 under 48 hours.
15 Including 81 under 48 hours and 23 at 48 hours.

TABLE D.—AVERAGE FULL-TIME HOURS, HOURS ACTUALLY WORKED, AND NUMBER OF EMPLOYEES WORKING EACH CLASSIFIED PER CENT ONE WEEK, BY STATES, 1916.

[This table does not include data from six

|             |                                |   | Aver- | Aver-<br>age<br>hours<br>ac-                               | Average am't                                       | fie                              |   | cent o  | king e   |                     |                             |
|-------------|--------------------------------|---|-------|--|--|----------------------------------|---|---|--|---------------------|-----------------------------|
| Line<br>No. | Occupation, sex, and<br>State. | Num-<br>ber<br>of<br>estab-<br>lish-<br>ments |       | tually<br>work-<br>ed<br>per<br>em-<br>ploy-<br>ee<br>dur- | tually<br>earn-<br>ed<br>per<br>em-<br>ploy-<br>ee | Un-<br>der<br>25<br>per<br>cent. | 25<br>and<br>un-<br>der<br>50<br>per<br>cent. | 50<br>and<br>un-<br>der<br>75<br>per<br>cent. | 75<br>and<br>un-<br>der<br>100<br>per<br>cent. | 100<br>per<br>cent. | Over<br>160<br>per<br>cent. |

## CUTTING DEPARTMENT.

| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11    | Cutters, vamp and whole shoe, hand, male: Illimois  | 4<br>5<br>46<br>3<br>11<br>3<br>122<br>5<br>9<br>4<br>8 | 133<br>74<br>882<br>43<br>322<br>36<br>313<br>186<br>188<br>37<br>90 |   | 53. 6<br>47. 4<br>54. 2<br>42. 2<br>51. 4<br>45. 5<br>41. 0<br>46. 2<br>51. 3<br>51. 4 | 19. 50<br>19. 98<br>19. 68<br>21. 80<br>19. 92<br>18. 16<br>17. 13<br>16. 24         | 17. 07<br>18. 52<br>17. 63<br>15. 18<br>18. 46<br>19. 14<br>14. 96<br>15. 06<br>15. 35<br>14. 93 | 10<br>7<br>13<br>7<br>1 | 3<br>1<br>51<br>2<br>26<br>1<br>10<br>29<br>15<br>3<br>3 | 93<br>1<br>58<br>1<br>20<br>47<br>29<br>1<br>8 | 27<br>27<br>228<br>6<br>198<br>25<br>119<br>41<br>79<br>16<br>51 | 43<br>39<br>468<br>34<br>17<br>8<br>136<br>61<br>63<br>16 | 20<br>5<br>32<br>16<br>1<br>15<br>1<br>1<br>1<br>16 |
|--|---|---|--|---|--|--|--|-------------------------|--|--|--|---|---|
|  | Total   | 110   | 2,304  | 53. 6   | 46. 5  | 20, 19   | 17.31  | 40                      | 144  | 299  | 817  | 896   | 108   |
| 12<br>13<br>14<br>15<br>10<br>17                         | Cutters, vamp and whole shoe, machine, male: Massachusetts. Missouri. New Hampshire. New York. Ohio Pennsylvania. Other States. | 33<br>6<br>3<br>5<br>3<br>3<br>10                       | . 434<br>164<br>151<br>141<br>34<br>23<br>72                         | 53. 8<br>56. 8<br>55. 0<br>54. 2<br>55. 6<br>54. 9<br>57. 6                                     | 48. 5<br>53. 3<br>52. 9<br>53. 1<br>51. 9<br>45. 6<br>53. 7                            | 18. 23<br>16. 95<br>13. 10   | 18. 15<br>13. 39<br>16. 46<br>17. 86<br>15. 90<br>10. 85<br>16. 95                               | 1<br>1<br>1             | 10<br>5<br>5<br><br>1<br>1                               | 10<br>14<br>6<br>2                             | 143<br>51<br>72<br>15<br>9<br>17<br>25                           | 214<br>57<br>11<br>32<br>22<br>4<br>41                    | 5<br>40<br>49<br>87                                 |
|  | Total   | 63  | 1,019  | 54. 9   | 51.0   | 18. 11   | 16, 77   | 5                       | 22   | 95   | 332  | 381   | 184   |
| 19<br>20<br>21   | Skivers, upper, ma-<br>chine, male:<br>Massachusetts<br>New York<br>Other States  | 21<br>2<br>9  | 91<br>13<br>20   | 54. 2<br>53. 2  |  | 17. 30<br>21. 16   | 14. 80<br>19. 86   | 1                       | 8  | 16   | 29<br>5<br>8   | 33  | 4   |
|  | Total   | 32  | 124  | 54.6  | 47. 7  | 16. 93   | 14.87  | 1                       | 9  | 17   | 42   | 51  | 4   |
| 22<br>23<br>24<br>25<br>26<br>27<br>28<br>29<br>30<br>31 | Skivers, upper, machine, female: Illinois. Maine  | 3<br>5<br>38<br>12<br>9<br>12<br>7<br>7<br>9<br>4<br>6  | 33<br>10<br>172<br>20<br>73<br>69<br>73<br>38<br>46<br>15<br>22      | 55. 0<br>57. 9<br>53. 8<br>54. 0<br>53. 8<br>55. 0<br>52. 1<br>53. 8<br>53. 2<br>55. 0<br>55. 5 | 47. 4<br>55. 6<br>47. 3<br>48. 5<br>47. 6<br>50. 6<br>45. 5<br>44. 1<br>48. 0<br>50. 7 | 10. 85<br>12. 98<br>12. 80<br>10. 74<br>10. 14<br>10. 62<br>12. 95<br>9. 74<br>8. 72 | 9. 40<br>12. 41<br>11. 07<br>9. 66<br>8. 91<br>9. 72<br>11. 20<br>7. 88<br>7. 83<br>8. 90        | 1<br>4<br>1<br>1        | 6<br>1<br>1<br>3<br>1<br>2                               | 11<br>8<br>11<br>12                            | 9<br>3<br>61<br>5<br>37<br>30<br>28<br>15<br>18<br>4             | 15<br>6<br>76<br>14<br>23<br>30<br>18<br>9<br>21<br>10    | <br>i<br>3  |
|  | Total   | 108   | 571  | 53.9  | 47.9   | 11.35  | 9.98   | 7                       | 15   | 77   | 218  | 231   | 23  |
|  |   |   |  |   | -  |  | <u>'                                    </u>   |                         |  | <u>'</u>                                       |  |   |   |

establishments having biweekly pay rolls.]

|            |                                  |                                  | Eı                               | nploye                           | es eari                          | ning ea                          | ch clas                           | sified a                           | <b>smo</b> un                      | t durin                            | g one                              | week.                              |                                    | 1                                  |                      |             |
|------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|-----------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|----------------------|-------------|
| Under \$3. | \$3<br>and<br>un-<br>der<br>\$4. | \$4<br>and<br>un-<br>der<br>\$5. | \$5<br>and<br>un-<br>der<br>\$6. | \$6<br>and<br>un-<br>der<br>\$7. | \$7<br>and<br>un-<br>der<br>\$8. | \$8<br>and<br>un-<br>der<br>\$9. | \$9<br>and<br>un-<br>der<br>\$10. | \$10<br>and<br>un-<br>der<br>\$11. | \$11<br>and<br>un-<br>der<br>\$12. | \$12<br>and<br>un-<br>der<br>\$14. | \$14<br>and<br>un-<br>der<br>\$16. | \$16<br>and<br>un-<br>der<br>\$18. | \$18<br>and<br>un-<br>der<br>\$20. | \$20<br>and<br>un-<br>der<br>\$25. | \$25<br>and<br>over. | Line<br>No. |

# CUTTING DEPARTMENT.

| 22 5 5                | 1<br>4<br>1<br>5<br>1<br>2 | 1<br>1<br>1<br>1<br>1<br>2<br>2<br>2<br>1<br>2<br>1<br>1<br>15 | 1                     | 4<br>6<br>1<br>5<br>2<br>7<br>1<br>26  | 19<br>9<br>2<br>8<br>8<br>8<br>2<br>48 | 1<br>6<br>6<br>21<br>21<br>9<br>1<br>5<br>50 | 1<br>1<br>20<br>1<br>19<br>9<br>6<br>1<br>1<br>61 | 33<br>11<br>55<br>14<br>14<br>1<br>14<br>8<br>1<br>3<br>52 | 4<br>2<br>56<br>17<br>2<br>6<br>8<br>10<br>5<br>—————————————————————————————————— | 13<br>4<br>44<br>1<br>1<br>36<br>3<br>25<br>9<br>25<br>7<br>14<br>— | 14<br>111<br>722<br>3 3<br>51<br>5<br>31<br>133<br>23<br>8<br>20<br>— | 21<br>77<br>101<br>2<br>42<br>3<br>34<br>17<br>28<br>1<br>16<br>272 | 26<br>32<br>125<br>34<br>66<br>30<br>24<br>14<br>10 | 40<br>13<br>329<br>40<br>12<br>112<br>38<br>26<br>2<br>9 | 8<br>1<br>87<br>3<br>3<br>3<br>3<br>7<br>7<br>1<br>1<br>157 | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9                      |
|-----------------------|----------------------------|--|-----------------------|--|--|--|---|--|--|---|---|---|---|--|---|--|
| 1112                  | 1 1                        | 3<br>1<br>1<br>1<br>1<br>1<br>8                                | 7                     | 1 1 2                                  | 2<br>2<br>1<br>1                       | 7<br>8<br>3<br>1<br>3<br>1<br>23             | 11<br>7<br>5<br>2<br>6<br>1                       | 8<br>22<br>5<br>2<br>1<br>6<br>1<br>45                     | 3  | 48<br>34<br>15<br>18<br>2<br>3<br>8                                 | 35<br>32<br>25<br>18<br>2<br>1<br>9                                   | 45,<br>18<br>31,<br>19<br>24<br>1,<br>13                            | 42<br>9<br>23<br>34<br>1<br>26                      | 11<br>25<br>12<br>2<br>8                                 | 14<br>6<br>18<br><br>1<br>39                                | 12<br>13<br>14<br>15<br>16<br>17<br>18                         |
| 1                     | 1<br>1                     |  | 1                     | 2                                      | 1 5                                    | 3<br>1<br>3<br>7                             | 9   | 2  | 2  | 6 12  | i   | 25<br>27  | 8<br>6<br>1<br>15                                   |  | 6   | 19<br>20<br>21   |
| 1<br>5<br>1<br>1<br>1 | 1<br>3<br>2<br>1           | 1<br>4<br>1<br>4<br>6<br>1                                     | 5<br>1<br>1<br>5<br>7 | 10<br>13<br>5<br>2<br>5<br>5<br>3<br>1 | 7<br>4<br>13<br>5<br>4<br>5<br>10<br>2 | 1<br>22<br>2<br>9<br>10<br>7<br>6<br>4       | 9<br>5<br>2<br>4<br>4                             | 2<br>14<br>4<br>3<br>15<br>6<br>2<br>3                     |  | 37  | 11<br><br>1<br>1  | 3<br>1<br>1   | 1 2   | 1 3  | 1   | 22<br>23<br>24<br>25<br>26<br>27<br>28<br>29<br>30<br>31<br>32 |

**5620°—18—**Bull. 232——8

TABLE D.—AVERAGE FULL-TIME HOURS, HOURS ACTUALLY WORKED, AND NUMBER OF EMPLOYEES WORKING EACH CLASSIFIED PER CENT ONE WEEK, BY STATES, 1916—Continued.

|             |                                |   |                           |  | Aver-<br>age<br>hours                                      | Aver-<br>age<br>am't<br>ac- | fie                         |   | es wor<br>cent o                              |  |                     |                            |
|-------------|--------------------------------|---|---------------------------|--|--|-----------------------------|-----------------------------|---|---|--|---------------------|----------------------------|
| Line<br>No. | Occupation, sex, and<br>State. | Num-<br>ber<br>of<br>estab-<br>lish-<br>ments | ber<br>of<br>em-<br>ploy- | age<br>full-<br>time<br>hours<br>per<br>week<br>of<br>estab-<br>lish-<br>ments | tually<br>work-<br>ed<br>per<br>em-<br>ploy-<br>ee<br>dur- | tually<br>earn-<br>ed       | Under<br>25<br>per<br>cent. | 25<br>and<br>un-<br>der<br>50<br>per<br>cent. | 50<br>and<br>un-<br>der<br>75<br>per<br>cent. | 75<br>and<br>un-<br>der<br>100<br>per<br>cent. | 100<br>per<br>cent. | Ov-<br>100<br>per<br>cent. |

# SOLE-LEATHER DEPARTMENT.

| Total. 68 334 54.7 51.6 16.83 15.79 2 2 31  Channelers, insole and outsole, male:  7 Illinois. 4 10 54.1 50.6 18.02 17.07 1 1  8 Maine. 5 11 58.1 48.5 18.79 15.76 1 2  9 Massachusetts. 35 99 54.1 46.8 20.47 17.19 5 20  10 Missouri. 9 19 57.4 50.7 16.95 15.13 1 1  11 New Hampshire 6 15 55.0 53.5 20.98 20.39 12  New York 12 32 52.7 49.5 18.73 17.50 1 1  13 Ohio. 7 16 55.8 47.4 16.7 13.98 1 5  14 Pennsylvania. 9 23 55.8 53.0 14.22 13.48 1 1  15 Other States. 14 21 57.5 54.6 18.22 17.26 1 1  | 1<br>2<br>3<br>4<br>5<br>6     | Cutters, outsole, male:     Massachusetts.     Missouri     New York     Ohio     Pennsylvania     Other States. | 8                                  | 115<br>73<br>51<br>16<br>16<br>63            | 52. 8<br>54. 5<br>55. 8  | 50. 2<br>53. 1<br>54. 9  | \$17.74<br>17.74<br>14.42<br>16.04<br>15.53<br>16.92                         | 16.51<br>13.98<br>15.68  | 1 | 1<br>i      | 22<br>4<br>2          | 21<br>31<br>9<br>2<br>8      | 67<br>37<br>7<br>14<br>8<br>44           | 33                         |
|--|--------------------------------|--|------------------------------------|--|--|--|--|--|---|-------------|-----------------------|------------------------------|--|----------------------------|
| outsole, male:         4         10         54.1         50.6         18.02         17.07         1           8         Maine.         5         11         58.1         48.5         18.79         15.76         1         2           9         Massachusetts.         35         99         54.1         46.8         20.47         17.19         5         20           10         Missouri.         9         19         57.4         50.7         16.955         15.13         1         1           11         New Hampshire.         6         15         55.0         53.5         20.98         20.39             12         New York.         12         32         52.7         49.5         18.73         17.50         1           13         Ohio.         7         16         55.8         47.4         16.74         13.98         1         5 |                                | Total  | 68                                 | 334  | 54.7   | 51.6   | 16.83  | 15. 79   | 2 | 2           | 31                    | 85                           | 177                                      | 37                         |
| Total  | 8<br>9<br>10<br>11<br>12<br>13 | outsole, male: Illinois Maine. Massachusetts. Missouri New Hampshire. New York Ohio. Pennsylvania Other States.  | 35<br>9<br>6<br>12<br>7<br>9<br>14 | 11<br>99<br>19<br>15<br>32<br>16<br>23<br>21 | 58. 1<br>54. 1<br>57. 4<br>55. 0<br>52. 7<br>55. 8<br>55. 8<br>57. 5 | 48. 5<br>46. 8<br>50. 7<br>53. 5<br>49. 5<br>47. 4<br>53. 0<br>54. 6 | 18. 79<br>20. 47<br>16. 95<br>20. 98<br>18. 73<br>16. 74<br>14. 22<br>18. 22 | 15. 76<br>17. 19<br>15. 13<br>20. 39<br>17. 50<br>13. 98<br>13. 48<br>17. 26 |   | 5<br>1<br>i | 1<br>1<br>5<br>1<br>1 | 11<br>7<br>13<br>4<br>7<br>8 | 6<br>42<br>4<br>7<br>13<br>6<br>15<br>11 | 1<br>5<br>2<br>1<br>5<br>1 |

# FITTING OR STITCHING DEPARTMENT.

| 16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25<br>26 | Tip stitchers, female: Illinois | 3<br>13<br>7<br>9<br>4<br>7 | 19<br>16<br>174<br>49<br>35<br>10<br>43<br>20<br>30<br>18<br>15 | 54. 1<br>57. 9<br>53. 8<br>53. 7<br>55. 0<br>55. 0<br>52. 3<br>53. 7<br>53. 3<br>55. 0<br>54. 3 | 55. 7<br>46. 5<br>46. 7<br>51. 7<br>48. 9<br>48. 3<br>47. 4<br>49. 1<br>48. 4<br>50. 1 | 12. 59<br>11. 30<br>14. 78<br>11. 69<br>9. 73<br>9. 92<br>11. 16 | 13. 16<br>11. 65<br>8. 66<br>11. 86<br>10. 12<br>13. 50<br>10. 17<br>8. 98<br>8. 81<br>11. 04 | 1<br>1 | 2<br>1      | 2<br>2                           | 14<br>8<br>82<br>32<br>23<br>7<br>26<br>9<br>19<br>9 | 1<br>8<br>57<br>6<br>11<br>2<br>8<br>8<br>10<br>6<br>3 | i   |
|--|---------------------------------|-----------------------------|---|---|--|--|---|--------|-------------|----------------------------------|--|--|-----|
|  | Total                           | 119                         | 429   | 54.0  | 48.0   | 12.55  | 11.14   | 4      | 10          | 48                               | 240  | 120  | 1 7 |
|  |                                 |                             |   |   |  |  |   |        |             |                                  |  |  |     |
|  | Backstay stitchers, fe-         |                             |   |   |  |  | 1   |        |             |                                  |  |  |     |
|  | male:                           |                             |   |   |  |  |   | 1      |             |                                  |  |  |     |
| 27   | Illinois                        | 4                           | 18  | 54.0  | 49.2   | 14.08  | 12.78   |        |             |                                  | 16   | 2  |     |
| 28   | Maine                           | 4<br>5                      | 18  | 57.8  | 53.6   |  |   |        | 1           | 2                                | 9  | 5  | 2   |
| 29   | Massachusetts                   | 50                          | 204   | 53.7  |  |  |   |        | 17          | 29                               | 104  | 46   | 6   |
| 30   | Minnesota                       | 3                           | 200   | 54.0  |  |  | 11.57   |        |             | 2                                | 3  | 4  | ۱ ۲ |
| 31   | Missouri                        | 11                          | 69  | 53.7  | 47.1   | 9.57   |   | 1      | 3           |                                  |  | 20   |     |
| 32   | New Hampshire                   | 11<br>9                     | 69  | 55. 0   | 50.1   |  |   |        | 3           | 6                                | 19   | 40   |     |
| 33   | New York                        |                             | 48  | 52.6  |  |  | 12.07   |        | 3<br>3<br>2 | 11<br>6<br>2<br>2<br>1<br>2<br>2 | 18   | 15   | 10  |
| 34   | Ohio                            |                             | 34  | 53.8  |  |  |   |        | l ~         | 5                                | 17   | 14   |     |
| 35   | Penneylyania                    | 9                           | 53  | 53.0  | 48.8   |  |   |        |             | ı                                | 29   | 21   | 1   |
| 36   | Pennsylvania<br>Wisconsin       | 1 3                         | 15  | 55. 0   |  |  |   |        | 2           | 1 5                              | 3  | 21   |     |
| 37   | Other States                    | ‡                           | 18  | 55. U   | 47.7   |  |   |        | -           | اء ا                             | 10   | 6  |     |
| 37   | Other States                    | (                           | 10  | υο. I   | 41.1   | 12.00  | 10.47   |        |             |                                  | 10   | 0  |     |
|  | Total                           | 120                         | 555   | 53.9  | 47.2   | 11.50  | 9.99  | 5      | 29          | 59                               | 263  | 180  | 19  |
| 1  |                                 | ı——                         |   |   |  |  |   | 1      |             |                                  |  |  |     |
|  |                                 |                             |   |   |  |  |   |        |             |                                  |  |  |     |

|  |                      | <u> </u>  | 1                                  | veek.   | g one v   | durin   | mount  | aified a   | h class   | ing eac  | es earn                                     | aploye   | En                               |                                  |                                  |                             |
|--|----------------------|---|------------------------------------|---|---|---|--|--|---|--|---|--|----------------------------------|----------------------------------|----------------------------------|-----------------------------|
| Lane<br>No.  | \$25<br>and<br>over. | \$20<br>and<br>un-<br>der<br>\$25.                                | \$18<br>and<br>un-<br>der<br>\$20. | \$16<br>and<br>un-<br>der<br>\$18.                              | \$14<br>and<br>un-<br>der<br>\$16.                                | \$12<br>and<br>un-<br>der<br>\$14.                  | \$11<br>and<br>un-<br>der<br>\$12.                     | \$10<br>and<br>un-<br>der<br>\$11.                         | \$9<br>and<br>un-<br>der<br>\$10.                     | \$8<br>and<br>un-<br>der<br>\$9.                 | \$7<br>and<br>un-<br>der<br>\$8.            | \$6<br>and<br>un-<br>der<br>\$7.               | \$5<br>and<br>un-<br>der<br>\$6. | \$4<br>and<br>un-<br>der<br>\$5. | \$3<br>and<br>un-<br>der<br>\$4. | Un-<br>der<br>\$3.          |
| <u></u>  |                      | <u> </u>  |                                    |   | NT.   | тме   | EPAR   | ER D   | ЕАТН  | LE-L   | so  | <u> </u>                                       |                                  |                                  |                                  |                             |
|  |                      | 3<br>9<br>1<br>2<br>1<br>9<br>                                    | 38<br>24<br>1<br>5<br>68           | 25<br>19<br>6<br>7<br>6<br>22<br>—————————————————————————————— | 29<br>9<br>19<br>3<br>1<br>14<br>———————————————————————————————— | 9<br>5<br>19<br>4<br>5<br>7                         | 2<br>2<br>1<br>3<br>8                                  | 7<br>1<br>3<br>1<br>1<br>13                                | 2<br>1<br>1<br>                                       |  | 1<br>3                                      |  | 1                                |                                  | 111                              |                             |
| 10<br>11<br>12<br>13<br>14<br>14                               | 6 2 2 2 2 12         | 4<br>3<br>9<br>2<br>5<br>6<br>2<br>—————————————————————————————— | 1<br>26<br>4<br>5<br>7<br>7<br>5   | 2<br>22<br>22<br>4<br>1<br>7<br>5<br>3<br>3                     | 24<br>2<br>2<br>4<br>5<br>4<br>5<br>4<br>5                        | 1<br>1<br>2<br>4<br>2<br>2<br>2<br>4<br>1<br>3      | 1<br>1<br>1<br>2<br>2                                  | 1 1 4  | 1<br>3<br>  | 2<br>2<br>2<br>1                                 | 1 1 1 5                                     | 1 1  | 1<br>2<br>3                      | 1                                |                                  | 1                           |
|  |                      | ]]  |                                    | NT.   | TME   | EPAR  | IG DI  | CHIN   | STIT  | G OR   | TTIN  | FI'  | i .                              |                                  |                                  |                             |
| 16<br>11<br>18<br>18<br>19<br>20<br>21<br>22<br>22<br>24<br>25 |                      | 1 3   | 1 6 1 5 1 2 2 16 = 16              | 2<br>3<br>20<br>1<br>3<br>1<br>1<br>3                           | 4<br>55<br>16<br>1<br>4<br>1<br>12<br>                            | 3<br>33<br>33<br>6<br>22<br>12<br>3<br>4<br>1<br>2' | 1<br>25<br>4<br>6<br>1<br>3<br>1<br>2<br>2<br>1<br>1   | 1<br>22<br>21<br>4<br>5<br>1<br>3<br>3<br>1<br>4<br>1<br>4 | 2<br>9<br>8<br>4<br>1<br>2<br>7<br>5<br>3<br>3<br>2   | 15<br>7<br>2<br>1<br>2<br>2<br>2<br>2<br>2<br>4  | 85<br>51<br>11<br>13<br>36<br>64<br>4<br>11 | 3<br>7<br>8<br>3<br>2<br>1<br>3<br>3<br>1<br>3 | 2<br>5 6<br>6<br>                | 5                                | 2                                | 1 1                         |
| 22<br>28<br>30<br>31<br>33<br>34<br>36<br>36<br>37             |                      | 2   | 8<br>1<br>2<br>1                   | 2<br>9<br>1<br>6<br>2   | 18<br>13<br>3<br>4<br>1   | 6<br>3<br>36<br>3<br>8<br>12<br>10<br>1<br>5        | 1<br>5<br>16<br>7<br>13<br>4<br>4<br>1<br>2<br>4<br>53 | 2<br>24<br>24<br>2<br>7<br>3<br>4<br>7<br>1<br>1           | 2<br>4<br>18<br>2<br>3<br>10<br>10<br>4<br>7<br>4<br> | 25<br>1<br>8<br>7<br>3<br>6<br>10<br>2<br>2<br>3 | 13<br>8<br>9<br>1<br>4<br>13<br>3<br>2      | 2<br>8<br>9<br>3<br>1<br>4<br>8<br>1<br>1      | 1<br>15<br>7<br>3<br>1<br>6      | 1<br>3<br>8<br>2<br>2            | 5<br>1<br>1<br>1<br>2<br>2       | 1<br>1<br>1<br>1<br>1<br>10 |

TABLE D.—AVERAGE FULL-TIME HOURS, HOURS ACTUALLY WORKED, AND NUMBER OF EMPLOYEES WORKING EACH CLASSIFIED PER CENT ONE WEEK, BY STATES, 1916—Continued.

|             |                             |   | Aver- | Aver-<br>age<br>hours<br>ac- | Aver-<br>age<br>am't<br>ac-                        | fie                              | ployed<br>d per<br>de wee                     | es wor<br>cent o                              | king e<br>f full t                             | ach cl<br>ime du    | assi-<br>iring              |
|-------------|-----------------------------|---|-------|------------------------------|--|----------------------------------|---|---|--|---------------------|-----------------------------|
| Line<br>No. | Occupation, sex, and State. | Num-<br>ber<br>of<br>estab-<br>lish-<br>ments | full- | tually<br>work-              | tually<br>earn-<br>ed<br>per<br>em-<br>ploy-<br>ee | Un-<br>der<br>25<br>per<br>cent. | 25<br>and<br>un-<br>der<br>50<br>per<br>cent. | 50<br>and<br>un-<br>der<br>75<br>per<br>cent. | 75<br>and<br>un-<br>der<br>100<br>per<br>cent. | 100<br>per<br>cent. | Over<br>100<br>per<br>cent. |

## FITTING OR STITCHING DEPARTMENT—Continued.

| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9                      | Lining makers, female: Illimois  | 4<br>5<br>5<br>50<br>3<br>3<br>10<br>9<br>3<br>13<br>7<br>9<br>8                              | 45<br>45<br>356<br>19<br>84<br>105<br>13<br>128<br>71<br>72<br>29                     | 53. 9<br>57. 9<br>53. 7<br>54. 0<br>53. 6<br>55. 0<br>51. 8<br>53. 8<br>53. 2<br>55. 0          |   | 11.81<br>10.66<br>9.04<br>8.82<br>13.46   | 10. 59<br>9. 84<br>9. 69<br>7. 71<br>8. 03<br>11. 58<br>10. 45<br>8. 01<br>8. 57<br>7. 97   | 1 4         | 1<br>4<br>2                | 13<br>6<br>13                  | 39<br>15<br>198<br>13<br>42<br>44<br>13<br>32<br>26<br>41<br>18 | 53<br>24<br>27             | 7<br>8<br>1<br>21 |
|--|--|---|---|---|---|---|---|-------------|----------------------------|--------------------------------|---|----------------------------|-------------------|
| 12<br>13<br>14<br>15<br>16<br>17                               | Closers-on, female: Illinois. Massachusetts. Missouri. New York Pennsylvania Wisconsin Other States.  Total.   | 3<br>35<br>12<br>9<br>8<br>2<br>12  | 11<br>124<br>63<br>63<br>51<br>12<br>29   | 54. 2<br>53. 9<br>53. 7<br>51. 9<br>52. 9<br>55. 0<br>55. 2                                     | 48.1<br>46.9<br>46.8<br>45.5<br>50.5<br>47.1<br>46.7  | 9. 78<br>11. 07<br>8. 84<br>9. 47<br>12. 16   | 10. 43<br>8. 57<br>9. 74<br>8. 41<br>8. 20  | 1<br>1<br>1 | 7<br>2<br>4<br>1<br>2      | 1                              | 18<br>36<br>5<br>21   | 14<br>4<br>4               | <u>i</u>          |
| 19<br>20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28<br>29 | Top stitchers or under trimmers, female: Illinois. Maine. Massachusetts. Minnesota. Missouri New Hampshire. New Jersey. New York. Ohio. Pennsylvania Wisconsin Other States. | 4<br>5<br>5<br>5<br>3<br>3<br>12<br>9<br>3<br>1<br>14<br>7<br>9<br>4<br>3<br>1<br>2<br>1<br>2 | 322<br>433<br>481<br>18<br>197<br>171<br>122<br>197<br>105<br>69<br>37<br>17<br>1,379 | 54. 1<br>57. 9<br>53. 7<br>54. 0<br>53. 7<br>55. 0<br>52. 7<br>53. 8<br>53. 3<br>55. 0<br>54. 0 | 45. 1<br>55. 8<br>46. 2<br>48. 0<br>50. 9<br>49. 5<br>48. 2<br>45. 8<br>49. 0<br>50. 0<br>49. 2 | 13. 29<br>12. 77<br>13. 18<br>10. 17<br>11. 17<br>12. 22<br>13. 66<br>10. 29<br>9. 58<br>9. 82<br>9. 37 | 11. 03<br>11. 70<br>8. 55<br>10. 28<br>10. 85<br>12. 39<br>8. 67<br>8. 77<br>8. 93<br>8. 56 | 5<br>2<br>1 | 119<br>111<br>5<br>6<br>2  | 24<br>11<br>19<br>24<br>7<br>3 | 14<br>252<br>14<br>129<br>60<br>10                              | 17<br>127<br>3<br>31<br>94 | 1<br>47           |
| 31<br>32<br>33<br>34<br>35<br>36                               | Button fasteners, fe- male: Massachusetts Missouri New York Ohio. Pennsylvania Other States Total  | 33<br>10<br>13<br>5<br>8<br>20  | 57<br>27<br>30<br>16<br>16<br>38<br>184   | 53. 6<br>53. 5<br>51. 6<br>53. 7<br>53. 5<br>55. 4  | 44. 4<br>49. 5<br>48. 0<br>45. 2<br>48. 4<br>50. 0  | 12. 90<br>9. 86<br>8. 33<br>12. 93  | 9. 57<br>12. 16<br>8. 32<br>7. 63   | i           | 3<br>1<br>1<br>1<br>1<br>6 | 2<br>1<br>3<br>3<br>2          | 25<br>16<br>13<br>9<br>6<br>18                                  | 9<br>14<br>3<br>6<br>10    | <sub>2</sub>      |

|                    |                                  |                                  | En                               | nploye                           | es earn                          | ing eac                          | ch clas                           | sified a                           | mount                              | durin                              | g one v                            | week.                              | i                                  |                                    |                      |             |
|--------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|-----------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|----------------------|-------------|
| Un-<br>der<br>\$3. | \$3<br>and<br>un-<br>der<br>\$4. | \$4<br>and<br>un-<br>der<br>\$5. | \$5<br>and<br>un-<br>der<br>\$6. | \$6<br>and<br>un-<br>der<br>\$7. | \$7<br>and<br>un-<br>der<br>\$8. | \$8<br>and<br>un-<br>der<br>\$9. | \$9<br>and<br>un-<br>der<br>\$10. | \$10<br>and<br>un-<br>der<br>\$11. | \$11<br>and<br>un-<br>der<br>\$12. | \$12<br>and<br>un-<br>der<br>\$14. | \$14<br>and<br>un-<br>der<br>\$16. | \$16<br>and<br>un-<br>der<br>\$18. | \$18<br>and<br>un-<br>der<br>\$20. | \$20<br>and<br>un-<br>der<br>\$25, | \$25<br>and<br>over. | Line<br>No. |

## FITTING OR STITCHING DEPARTMENT-Continued.

| 8<br>4<br>4<br>1<br>3      | 6 2 4 1 2        | 1<br>11<br>10<br>6<br>4<br>4<br>7<br>1          | 22<br>7<br>15<br>5<br>8<br>7<br>4     | 1<br>2<br>34<br>1<br>9<br>13<br>1<br>9<br>8<br>8<br>9 | 3<br>6<br>29<br>5<br>7<br>17<br>10<br>10<br>14<br>3 | 4<br>34<br>2<br>12<br>14<br>11<br>14<br>9<br>9<br>2           | 8<br>6<br>51<br>4<br>7<br>12<br>2<br>14<br>11<br>4<br>7                          | 5<br>7<br>39<br>22<br>8<br>7<br>1<br>12<br>6<br>4<br>2 | 111<br>4<br>34<br>1<br>6<br>3<br>3<br>111<br>8<br>3 | 122<br>111<br>51<br>2<br>6<br>5<br>7<br>7<br>19<br>2<br>5<br>2<br>122 | 5<br>20<br>20<br>2<br>2<br>7<br>1<br>17<br>15 | 5 3                   | 3                        | 1     |   | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10                      |
|----------------------------|------------------|---|---------------------------------------|---|---|---|--|--|---|---|---|-----------------------|--------------------------|-------|---|--|
| 1 1 5                      | 31221            | 3<br>2<br>4<br>4<br>2<br>                       | 8<br>7<br>2<br>6<br>1<br>1<br>1       | 1<br>5<br>6<br>5<br>8<br>2<br>2<br>2                  | 1<br>7<br>10<br>6<br>3<br>1<br>1<br>29              | 11<br>7<br>9<br>7<br>2<br>4<br>40                             | 1<br>10<br>7<br>5<br>5<br>2<br>3<br>33   | 20<br>10<br>3<br>7<br>3<br>43                          | 3   | 2<br>28<br>4<br>8<br>6<br>6<br>54                                     | 2<br>13<br>2<br>4<br>1<br>1<br>2<br>25        | 2<br>2<br>1<br>4<br>2 |                          |       |   | 12<br>13<br>14<br>15<br>16<br>17<br>18                               |
| 2<br>9<br>4<br>2<br>1<br>1 | 1<br>4<br>2<br>2 | 1<br>3<br>5<br>1<br>2<br>8<br>2<br>3<br>1<br>26 | 9<br>6<br>8<br>2<br>10<br>9<br>2<br>2 | 25<br>44<br>13<br>6<br>7<br>4<br>3<br>2               | 1<br>51<br>1<br>25<br>13<br>8<br>11<br>17<br>5<br>2 | 2<br>54<br>3<br>21<br>16<br>3<br>15<br>12<br>7<br>11<br>3<br> | 3<br>55<br>58<br>2<br>2<br>38<br>32<br>22<br>1<br>177<br>288<br>6<br>6<br>3<br>3 | 27<br>10<br>8<br>3                                     | 3<br>14<br>16<br>1<br>16<br>8<br>4<br>6             | 10<br>7,6<br>5<br>12<br>3,5<br>2<br>3,6<br>5<br>7<br>3,2              | 35<br>22<br>35<br>111<br>35<br>4<br>3         | 6                     | 1<br>11<br>10<br>10<br>1 | 3 114 | 1 | 19<br>20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28<br>29<br>30 |
| 1<br>1<br>1<br>3           | 1                | 2<br>1<br>1<br>                                 | 10<br>1<br>1<br>3<br>1                | 1<br>5<br>2<br>1                                      | 6<br>1  | 8<br>2<br>3<br>1<br>1<br>2<br>2                               | 5<br>3<br>3<br>3<br>1<br>4   | 4<br>1<br>4<br>1<br>7                                  | 1<br>3  | 6<br>4<br>1<br>1<br>4   | 5<br>6<br>7<br>18                             | i                     |                          | 3 4 7 |   | 31<br>32<br>33<br>34<br>35<br>36                                     |

Table D.—AVERAGE FULL-TIME HOURS, HOURS ACTUALLY WORKED, AND NUMBER OF EMPLOYEES WORKING EACH CLASSIFIED PER CENT ONE WEEK, BY STATES, 1916—Continued.

|                 |                                 |   | ·   | Aver-<br>age | A ver-<br>age<br>hours<br>ac-  |  | Aver-<br>age<br>am't<br>ac-                         | Emj<br>fie<br>on                 | oloyee<br>d per<br>e wee                      | s worl  | king e<br>ffull ti                             | ach cl<br>me du     | assi-<br>ring               |
|-----------------|---------------------------------|---|---|--------------|--------------------------------|--|---|----------------------------------|---|---|--|---------------------|-----------------------------|
| Line<br>No.     | Occupation, sex, and State.     | Num-<br>ber<br>of<br>estab-<br>lish-<br>ments | Num-<br>ber<br>of<br>em-<br>ploy-<br>ees. | full-        | work- ed per em- ploy- ee dur- | Average full-<br>time week ly earn-<br>ings. | tually earn- ed per em- ploy- ee dur- ing one week. | Un-<br>der<br>25<br>per<br>cent. | 25<br>and<br>un-<br>der<br>50<br>per<br>cent. | 50<br>and<br>un-<br>der<br>75<br>per<br>cent. | 75<br>and<br>un-<br>der<br>100<br>per<br>cent. | 100<br>per<br>cent. | Over<br>100<br>per<br>cent. |
|                 | FITTIN                          | G OR  | STIT                                      | CHIN         | G DE                           | PART   | MEN   | т—с                              | onclu   | ded.  |  |                     | <u> </u>                    |
|                 | Buttonhole makers,              |   |   |              |                                |  |   |                                  |   |   |  |                     |                             |
| 1               | female:<br>Illinois             | 4   | 8   | 54.3         | 45. 2                          | <b>\$13.</b> 79                              | \$11.72<br>15.66                                    |                                  |   | 2   | 5  | 1                   |                             |
| 2<br>3          | Maine<br>Massachusetts          | 5<br>42                                       | 20<br>161                                 | 58.0<br>53.7 | 54.7<br>42.6                   | 16, 42<br>12, 77                             | 15.66<br>9.85                                       | 4                                | 1<br>14                                       | 42  | 8<br>50  | 3<br>49             | 8 2                         |
| 4               | Missouri<br>New Hampshire       | 9   | 67<br>24                                  | 53.7         | 46, 2                          | 10.82  | 9.25  |                                  | 3   | 6   | 50<br>53                                       | 5                   |                             |
| 5<br>6<br>7     | New York                        | 12  | 61  | 51.4         | 46.7                           | 12.33  |   |                                  | $\frac{1}{2}$                                 | 1<br>6  | 15<br>22                                       | 7<br>25             | 6                           |
| 7 8             | Ohio<br>Pennsylvania            | 7   | 44<br>37                                  | 53.7<br>53.6 | 48.1<br>47.4                   | 10.04<br>9.13                                | 9.00<br>8.03  | <b>-</b>                         | <sub>2</sub>                                  | 5<br>3<br>1<br>2                              | 19<br>29                                       | 20                  |                             |
| 8 9             | Wisconsin                       | 4   | 11  | 55.0         | 51.8                           | 10.68  | 10.01   |                                  |   | ĭ   | 3  | 7                   |                             |
| 10              | Other States                    | 9   | 18  |              | l                              |  | 9.40  |                                  |   |   | 10   | 5                   | 1                           |
|                 | Total                           | 108   | 451                                       | 53.7         | 46, 1                          | 11. 76                                       | 9, 99   | 4                                | 23  | <b>6</b> 8                                    | 214  | 125                 | 17                          |
| 11              | Vampers, male:<br>Illinois      | 4   | 38  | 54.2         | 46.5                           | 15.70  | 13.73   |                                  | 1   | 4   | 31   | 2                   |                             |
| 12<br>13        | Maine                           | 4   | 12<br>368                                 | 58.1         | 53.6                           | 18.72  | 17. 27  | <b></b> .                        | 18  | 1<br>86                                       | 5  | 3                   | 3                           |
| 14              | Massachusetts<br>Missouri       | 38<br>5<br>9                                  | 19  | 57.2         | 50.6                           |  | 15.54<br>13.70                                      |                                  |   |   | 148<br>17                                      |                     |                             |
| 15<br>16        | New Hampshire<br>New York       | 9 8   | 69<br>47                                  | 55.0         | 51.6                           | 15.48<br>21.05                               | 14.53<br>19.16                                      |                                  | 2<br>2  | 4 3   | 33<br>23                                       | 30                  |                             |
| 17              | Pennsylvania                    | 8   | 31  | 52.5<br>56.7 | 53.3                           | 19.24  | [ 18, 11  | <b></b>                          |   | 1   | 19   | 6                   | 5                           |
| 18              | Other States                    | 9   | 25  | 56.9         | 49.4                           | 16.63  | 14.32   | <del></del>                      |   | 3   | 17   | 2                   | 3                           |
|                 | Total                           | 80  | 609                                       | 54.6         | 47.1                           | 18.23  | 15.65   | 2                                | 23  | 102   | 293  | 162                 | 27                          |
| 19              | Vampers, female:<br>Illinois    | 4   | 39  | 53.7         | 47.1                           | 15.35  | 13.49   |                                  | 3   | 1   | 33   | 1                   | 1                           |
| 20              | Maine                           | 5   | 63  | 58.0         | 54.7                           | 15.66  | 14.90   | 1                                | 3   | . 1   | 15   | 16                  | 27                          |
| $\frac{21}{22}$ | Massachusetts<br>Minnesota      | 45<br>3                                       | 420<br>30                                 | 53.7<br>54.0 | 46.9<br>49.9                   | 14.69<br>14.55                               | 12.72<br>13.45                                      | 2                                | 25  | 50  | 187<br>20                                      | 154<br>9            | $\frac{2}{1}$               |
| 23<br>24        | Missouri                        | 12  | 192                                       | 53.7         | 46.3                           | 13. 16                                       | 11.39   | 2                                | 4   | 29  | 111  |                     |                             |
| 25              | New Hampshire<br>New Jersey     | 8 3   | 122<br>11                                 | 55.0<br>55.0 | 50.3<br>46.7                   | 14.19  | 12.04   |                                  | 2   | 12<br>2<br>5                                  | 55<br>9  | 53                  |                             |
| 26<br>27        | New York<br>Ohio                | 13  | 163<br>135                                | 52.0         | 49.1                           | 15.12  | 14.23   | <b>.</b>                         | 2<br>3  | 5<br>19                                       | 62<br>81                                       | 63<br><b>30</b>     | 31<br>2                     |
| 28              | Pennsylvania                    | 7<br>9  | 101                                       | 52.8         | 50.1                           | 10.41  | 9.76  |                                  | 1   | 6   | 50   | 44                  |                             |
| 29<br>30        | Wisconsin<br>Other States       | 4   | 30<br>32                                  | 55.0<br>55.1 | 50.4<br>46.5                   |  | 11.37<br>9.78                                       | ···· <sub>2</sub>                | 1<br>1  | 2<br>3  | 12<br>18                                       | 15<br>8             |                             |
|                 | Total                           | 117   | 1,338                                     |              | 48.2                           |  |   | 7                                | 45  | 130   | 653  | 439                 | 64                          |
|                 |                                 |   | LAST                                      | TNC          | DEDA                           | DIEM   | IO BOOK   | ·                                |   |   |  |                     |                             |
|                 |                                 |   | LASI                                      | ing.         | DEFA                           | K I WI                                       | EM I.   | 1                                | <del></del>                                   |   |  |                     | 1                           |
|                 | Assemblers, for pulling-        |   |   |              |                                |  |   | 1                                |   |   |  |                     |                             |
| 31.             | over machine, male:<br>Illinois | 4   | 32  | 53.7         | 44.6                           | <b>\$</b> 18.44                              | <b>\$</b> 15.35                                     | 2                                | 1   | 5   | 9  | 13                  | 2                           |
| 32<br>33        | Maine<br>Massachusetts          | 5<br>28                                       | 34<br>255                                 | 58.0<br>54.6 | 45.3                           | 18.36  | \$15.35<br>14.71<br>14.97                           | 2<br>2                           | 2<br>8  | $\frac{9}{34}$                                | 15<br>156                                      | 4<br>54             | 2<br>1                      |
| 34              | Minnesota                       | 28<br>3<br>12                                 | 15  | 60.0         | 52.7                           | 18.54  | 16.21   |                                  |   | 1   | 10   | 4                   | l .                         |
| 35<br>36        | Missouri<br>New Hampshire       | 12  | 125<br>47                                 | 55.5<br>55.0 | 46.4<br>53.8                   | 13.41<br>14.90                               | 10.94   | 1                                | 7   | 21  | 67<br>18                                       | 27<br>28            | 2<br>1                      |
| 37              | New Jersey                      | 7<br>2  | 22  | 55.0         | 49.6                           | 14.55  | 12.86   |                                  |   |   | 13   |                     | 9                           |
| 38<br>39        | New York<br>Ohio                | 10<br>7<br>6                                  | 127<br>46                                 | 52.8<br>56.7 | 48.6<br>45.6                   |  | 13.54<br>14.58                                      |                                  | 4   | 13<br>12                                      | 45<br>29                                       | 53<br>5             | 12                          |
| 40  <br>41      | Penns <del>y</del> lvania       | 6   | 32  | 54.1         | 45. 2                          | 14.14  | 11.73   | 2                                |   | 1   | 29   |                     | 2                           |
|                 | Wisconsin.<br>Other States      | 4 4   | 24<br>18                                  | 59.2<br>56.1 | 53. 9                          | 13.48  | 11.77<br>12.80                                      | r                                |   | 1   | 18<br>7  | 6                   | 4                           |
| 42              | Omer States                     | T.  | 10  | 90.1         | 00.0                           | 10.40  | 12.00   |                                  |   | 1   | (  | į v                 | - 2                         |

777 55.0

92

193 35

10 22 98

47.6 16.05 13.72

Total.....

|   |                                  |                                  | Em                               | ployee                                   | es earni                                      | ing eac                          | h class                           | ified a   | mount   | durin  | g one v                               | veek.                              |  |                                    |                      |   |
|---|----------------------------------|----------------------------------|----------------------------------|--|---|----------------------------------|-----------------------------------|---|---|--|---------------------------------------|------------------------------------|--|------------------------------------|----------------------|---|
| Un-<br>der<br>\$3.                      | \$3<br>and<br>un-<br>der<br>\$4. | \$4<br>and<br>un-<br>der<br>\$5. | \$5<br>and<br>un-<br>der<br>\$6. | \$6<br>and<br>un-<br>der<br>\$7.         | \$7<br>and<br>un-<br>der<br>\$8.              | \$8<br>and<br>un-<br>der<br>\$9. | \$9<br>and<br>un-<br>der<br>\$10. | \$10<br>and<br>un-<br>der<br>\$11.                  | \$11<br>and<br>un-<br>der<br>\$12.                  | \$12<br>and<br>un-<br>der<br>\$14.                       | \$14<br>and<br>un-<br>der<br>\$16.    | \$16<br>and<br>un-<br>der<br>\$18. | \$18<br>and<br>un-<br>der<br>\$20.                 | \$20<br>and<br>un-<br>der<br>\$25. | \$25<br>and<br>over. | Line<br>No.                             |
|   |                                  |                                  | FI                               | TTIN                                     | G OR  | STI                              | гсни                              | NG D  | EPAR  | TME  | NT-C                                  | onelud                             | leđ.   |                                    | <br>                 |   |
| 5 1 1 1                                 | 1 1 8                            | 7<br>2<br>1<br>2<br>4            | 2<br>6<br>8<br>2<br>1<br>2<br>9  | 1<br>12<br>6<br>1<br>3<br>1<br>2         | 16<br>10<br>11<br>8<br>11<br>3<br>4<br>4<br>3 | 1<br>13<br>6<br>3<br>3<br>3<br>5 | 16<br>77<br>66<br>88<br>3<br>22   | 4<br>24<br>7<br>4<br>10<br>8<br>6                   | 177<br>4<br>3<br>100<br>3<br>1<br>2<br>40           | 1<br>13<br>13<br>9<br>3<br>10<br>2<br>5<br>4<br>4<br>2   | 2<br>16<br>4<br>1<br>8<br>2           | 2<br>3<br>6<br>1<br>1              | 1 3 3 1 1  | 22                                 |                      | 2<br>2<br>3<br>4<br>6<br>8<br>8<br>9    |
| 1                                       | 3                                | 1                                | 5                                | 3 1                                      | 2<br>1<br>7<br>1<br>2<br>1                    | 3<br>4<br>1<br>12<br>3<br>1<br>3 | 13<br>1<br>3<br>1<br>1<br>1<br>21 | 19<br>2<br>1<br>2<br>2<br>2                         | 2<br>1<br>26<br>2                                   | 6<br>2   | 8<br>2<br>46<br>5<br>9<br>3<br>2<br>8 | 4                                  | 1<br>1<br>55<br>2<br>9<br>3<br>10<br>2             | 3<br>2<br>54<br>54<br>5<br>16      | 12<br>1<br>6         | 14<br>15<br>16<br>17<br>18              |
| 1 1 2 2 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1<br>1<br>2                      | 1<br>1<br>4<br>1<br>1            | 9 6 2 4 4 4                      | 1<br>15<br>15<br>2<br>2<br>18<br>89<br>9 | 2<br>18<br>16<br>4<br>14                      | 24<br>24                         | 5<br>2<br>22<br>20<br>8<br>1<br>8 | 1<br>1<br>43<br>5<br>16<br>16<br>4<br>12<br>21<br>9 | 6<br>5<br>36<br>4<br>18<br>17<br>1<br>16<br>13<br>5 | 5<br>14<br>91<br>9<br>30<br>25<br>1                      | 8<br>12<br>78<br>3<br>26              | 4                                  | 3<br>8<br>21<br>22<br>8<br>3<br>3<br>10<br>11<br>3 | 3<br>9<br>15<br>1<br>1<br>1        | 2                    | 19<br>20<br>21<br>22<br>23<br>24<br>24  |
| 12                                      | 4                                | 11                               | 27                               | 49                                       | 75  | 100                              | !                                 | <u> </u>  | <u> </u>  | <u> </u>   | 215                                   | 127                                | 59   | 37                                 | 3                    |   |
| 24                                      |                                  |                                  | 1<br>1<br>3                      | 1  | 6   | 1 2                              | 1<br>1<br>1<br>6                  | 2 2 14  | 24  | 1  | 5                                     | 6<br>1<br>44<br>2<br>4<br>8        | 32<br>32<br>4<br>31                                | 28<br>28                           | 1                    | 333333333333333333333333333333333333333 |
| 11                                      | 3                                |                                  | 7                                | 14                                       |   | 1                                | 8<br>8<br>5<br>2<br>1             | 333   | 6 6 2   | 20<br>37<br>1<br>20<br>8<br>7<br>25<br>4<br>12<br>6<br>6 |                                       | 24<br>6                            | 6  | 7                                  |                      | 33<br>35<br>40<br>42<br>42              |

TABLE D.—AVERAGE FULL-TIME HOURS, HOURS ACTUALLY WORKED, AND NUMBER OF EMPLOYEES WORKING EACH CLASSIFIED PER CENT ONE WEEK, BY STATES, 1916—Continued.

|             |   |                            | age | A ver-<br>age<br>hours<br>ac-     | A =====   | A ver-<br>age<br>am't<br>ac-             | fie                              |   | cent o  | king e<br>f full t                             |                     |                             |
|-------------|---|----------------------------|-----|-----------------------------------|---|--|----------------------------------|---|---|--|---------------------|-----------------------------|
| Line<br>No. | Num-<br>ber<br>of<br>estab-<br>lish-<br>ments | of<br>em-<br>ploy-<br>ees. |     | per<br>em-<br>ploy-<br>ee<br>dur- | age<br>full-<br>time<br>week-<br>ly<br>earn-<br>ings. | earn-<br>ed<br>per<br>em-<br>ploy-<br>ee | Un-<br>der<br>25<br>per<br>cent. | 25<br>and<br>un-<br>der<br>50<br>per<br>cent. | 50<br>and<br>un-<br>der<br>75<br>per<br>cent. | 75<br>and<br>un-<br>der<br>100<br>per<br>cent. | 100<br>per<br>cent. | Over<br>100<br>per<br>cent. |

## LASTING DEPARTMENT-Continued.

|                       | Pullers-over, hand,                |             |           |                |                |                  |                  |          |              |         |           |         |             |
|-----------------------|------------------------------------|-------------|-----------|----------------|----------------|------------------|------------------|----------|--------------|---------|-----------|---------|-------------|
| 1                     | Illinois                           | 3           | 92        | 54.7           |                | <b>\$21.26</b>   |                  |          | 1            | 3       | 16        | 71      |             |
| 2<br>3<br>4<br>5<br>6 | Massachusetts                      | 23          | 285       | 54.4           |                | 18.79            |                  |          | 16           | 38      | 168       | 55      |             |
| 3                     | Missouri                           | 3           | 15        | 57.0           | 50.3           |                  |                  |          |              |         | 13        |         | 2           |
| 4                     | New York                           | 3<br>5<br>3 | 40        | 53. 3          | 45. 5          | 19. 68           | 16. 73           |          |              | 7       | 18        |         |             |
| 5                     | Ohio                               |             | 29        | 55. 0          | 44.4           | 19. 83           | 15. 78           |          | ;            | 6       | 21        |         |             |
| 7                     | Pennsylvania<br>Other States       | 6 3         | 75        | 56. 6<br>57. 0 | 52. 1<br>58. 2 |                  | 14. 77<br>19. 38 |          | 1            | 4       | 61        | 3       |             |
| '                     | Other States                       |             |           | 57.0           |                | 10. 99           | 19. 00           |          |              |         |           | °       | 4           |
|                       | Total                              | 46          | 543       | 54.8           | 48. 1          | 18. 99           | 16.60            | 6        | 18           | 58      | 297       | 148     | 16          |
|                       | Pullers-over, machine,             | _           |           |                |                |                  |                  |          |              |         |           |         | _           |
| _                     | male:                              | 1           |           |                |                |                  |                  | İ        |              | i _     |           | ì       |             |
| 8                     | Illinois                           | 3           | 21        | 53. 4          | 44.4           | 20, 21           |                  |          | 1            | 7       | 1         |         | <u>-</u>    |
| 9<br>10               | Maine                              | 5<br>42     | 36        | 58. 0          | 49. 6<br>46. 2 |                  |                  |          | 1 3          |         | 21        |         | 7           |
| 11                    | Massachusetts<br>Minnesota         | 3           | 238<br>15 | 54. 4<br>60. 0 | 52. 0          |                  |                  |          | 1 3          | 30      | 164<br>13 |         | ( - 1       |
| 12                    | Missouri                           | 12          | 64        | 56. 2          | 48. 6          |                  | 16. 92           |          | 2            | 12      | 29        | 18      |             |
| 13                    | New Hampshire                      | 8           | 84        | 55. 0          | 51. 6          | 17. 12           | 16.04            |          | 1 3          | 2       | 27        | 41      | 10          |
| 14                    | New York                           | 14          | 79        | 52. 9          | 48. 4          |                  | 19.50            | 1        | 3            | 4       |           | 34      | 6           |
| 15                    | Ohio ;                             | 7           | 37        | 56. 2          | 46.0           | 21.60            | 17.39            |          |              | 8       | 27        | 2       |             |
| 16                    | Pennsylvania                       | 6           | 19        | 54.3           | 49. 2          | 17. 89           | 16. 24           |          |              | 3       | 15        |         | 1<br>2<br>5 |
| 17<br>18              | Wisconsin<br>Other States          | 6           | 14<br>17  | 58. 2<br>55. 4 | 55. 5<br>53. 8 |                  |                  |          |              |         | 7 9       | 5       | 2           |
| 10                    | Other States                       |             | 17        | 33. 4          | 95. 6          | 20, 12           | 19. 54           |          |              |         | 9         | 3       |             |
|                       | Total                              | 110         | 624       | 55. 0          | 48. 2          | 20. 63           | 17. 94           | 5        | 13           | 78      | 344       | 145     | 39          |
|                       | Side lasters, hand,                |             |           |                |                |                  |                  |          |              |         |           |         |             |
| 19                    | male:                              |             | 10        | F0 0           | 40 5           | 10 55            | 14 55            | ŀ        |              | 5       | 11        | l       |             |
| 20                    | Maine<br>Massachusetts             | 3<br>12     | 18<br>163 | 58. 2<br>53. 9 | 43. 5<br>50. 9 |                  |                  |          | 2            | 3       | 72        | 85      |             |
| 21                    | New Hampshire                      |             | 36        | 55. 0          | 54.8           |                  | 13, 25           |          | -            |         | 15        |         | 10          |
| 22                    | New York                           | 7           | 62        | 52. 7          | 48. 2          |                  |                  |          |              | 14      | 23        | 22      | 3           |
| 23                    | Other States                       | 15          | 77        | 54.4           | 47. 6          | 16. 01           |                  |          | 3            |         | 24        | 28      | 11          |
|                       |                                    |             |           |                |                |                  |                  |          |              |         |           |         |             |
|                       | Total                              | 39          | 356       | 54.1           | 49.7           | 17. 53           | 16.05            | 3        | 7            | 31      | 135       | 156     | 24          |
|                       | Side lasters, machine,             |             |           |                |                |                  |                  |          |              |         |           |         |             |
| 24                    | male:                              | ا           | 105       | F4 0           | 44. 5          | 00.04            | 10.00            | 1        | 8            | 21      | 63        | !       |             |
| 25                    | Massachusetts<br>Missouri          | 14<br>5     | 105<br>30 | 54. 2<br>55. 5 | 48.1           | 20. 24<br>16. 45 |                  |          | ^            | 10      | 10        | 11<br>6 |             |
| 26                    | New Hampshire                      | 6           | 42        | 55. 0          | 52. 3          |                  |                  |          | i            |         | 17        | 18      | 4           |
| 27                    | New York                           | 6           | 53        | 53. 9          | 50. 7          | 17. 55           |                  |          |              | 2       |           | 23      |             |
| 28                    | Other States                       | 11          | 56        | 56. 2          | 49. 2          |                  |                  |          | i            |         | 28        | 15      | 2           |
|                       |                                    |             |           |                |                |                  |                  |          |              |         |           |         |             |
|                       | Total                              | 42          | 286       | 54. 8          | 48. 1          | 18.55            | 16. 23           | 2        | 10           | 44      | 141       | 73      | 16          |
|                       | Bed-machine opera-<br>ators, male: |             |           | - 1            |                |                  | i                | i        |              |         |           |         |             |
| 29                    | Illinois                           | 4           | 109       | 54. 1          | 50.1           | 19.08            | 17.90            | 1        | 3            | 9       | 15        | 81      |             |
| 30                    | Maine                              | 5           | 40        | 58. 0          | 50.7           |                  | 17.69            |          |              | 2       |           | 2       |             |
| 31                    | Massachusetts                      | 30          | 557       | 54. 2          | 47. 8          |                  | 17.74            |          |              | 56      | 305       | 170     |             |
| 32                    | Minnesota                          | 3           | 33        | 60.0           | 53.4           | 18. 33           | 16.39            |          | 2            |         | 21        | 9       | 1           |
| 33                    | Missouri                           | 3<br>7<br>5 | 90        | 56.7           |                | 17.59            |                  |          | 4            | 9       | 61        | 11      | 5           |
| 34                    | New Hampshire                      | 5           | 155       | 55.0           | 52. 6          |                  |                  | 1        | 3            | 4       | 70        | 73      | 4           |
| 35                    | New Jersey                         | 2           | 18        | 55.0           | 54.7           | 18. 23           | 17.85            |          |              |         | 7         |         | 11          |
| 36<br>37              | New York                           | 11          | 146<br>56 | 53. 3<br>56. 9 | 49.8<br>44.8   | 19. 28<br>21. 99 | 17.95<br>17.42   |          | 1<br>3       | 5<br>18 | 89<br>28  | 35<br>6 | 16          |
| 38                    | Ohio<br>Pennsylvania               | 5<br>8      | 50        | 55.3           | 52.8           |                  | 17.42            |          | 3            | 10      | 28<br>28  | 15      | l d         |
| 39                    | Wisconsin                          | 4           | 33        | 58. 6          | 52. 3          | 15. 42           | 14.04            | · · · i  | i            | l *     | 22        | 6       | 3           |
| 40                    | Other States                       | 4           | 23        | 55. 9          | 55.7           |                  | 18. 47           |          | <del>.</del> | 1       | 2         |         |             |
|                       | Total                              | 88          | 1,310     | 54.9           | 49.5           | 19.07            | 17. 15           | 8        | 33           | 105     | 681       | 419     | 64          |
| - 1                   | . 10ta1                            |             | 1,010     | J1. 9          | 70.0           | 15.07            | 17.13            | <u> </u> |              |         | 091       | 419     |             |
|                       |                                    |             |           |                |                |                  |                  |          |              |         |           |         |             |

|                    |                                  |                                  | Em                               | ployee                           | searni                           | ing eac                          | h class                           | ified a  | mount                                 | during  | one w   | eek.                                    |   |   |   | :  |
|--------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|-----------------------------------|--|---------------------------------------|---|---|---|---|---|---|--|
| Un-<br>der<br>\$3. | \$3<br>and<br>un-<br>der<br>\$4. | \$4<br>and<br>un-<br>der<br>\$5. | \$5<br>and<br>un-<br>der<br>\$6. | \$6<br>and<br>un-<br>der<br>\$7. | \$7<br>and<br>un-<br>der<br>\$8. | \$8<br>and<br>un-<br>der<br>\$9. | \$9<br>and<br>un-<br>der<br>\$10. | \$10<br>and<br>un-<br>der<br>\$11.                   | \$11<br>and<br>un-<br>der<br>\$12.    | \$12<br>and<br>un-<br>der<br>\$14.                          | \$14<br>and<br>un-<br>der<br>\$16.                          | \$16<br>and<br>un-<br>der<br>\$18.      | \$18<br>and<br>un-<br>der<br>\$20.                | \$20<br>and<br>un-<br>der<br>\$25.              | \$25<br>and<br>over.                            | Line<br>No.  |
|                    |                                  |                                  |                                  |                                  | LAS'                             | TING                             | DEP.                              | ARTN   | 1ENT                                  | Cont  | inued.  |   |   |   |   |  |
| 1 1 2              | 1<br>3<br>                       | 2                                | 1                                | 1 5                              | 7                                | 1<br>5<br>1<br>3                 | 9<br>2<br>1<br>5                  | 1<br>11<br>2<br>5                                    | 15<br>1<br>1<br>13<br>                | 2<br>39<br>1<br>7<br>8<br>7                                 | 5<br>50<br>3<br>3<br>1<br>13                                | 14<br>43<br>5<br>6<br>7<br>12<br>2      | 13<br>44<br>6<br>7<br>5<br>5<br>2                 | 44<br>47<br>11<br>4<br>6<br>3                   |   | 1<br>2<br>3<br>4<br>5<br>6<br>7                              |
| 1                  | 1                                | 1<br>1<br>1<br>1                 | 11 11                            | 3<br>3<br>1<br>1<br>1            | 1 4 1 1 1 7                      | 11 1 2 1 1                       | 11 4                              | 2<br>2<br>1<br>2<br>4<br>1                           | 1 5 2 6 1 1                           | 1<br>3<br>19<br>1<br>14<br>9<br>3<br>14<br>5<br>1<br>1<br>1 | 4<br>5<br>29<br>4<br>11<br>11<br>8<br>1<br>2<br>2<br>4<br>4 | 2<br>4<br>39<br>2<br>5<br>19<br>14<br>1 | 5<br>6<br>34<br>1<br>6<br>10<br>15<br>5<br>7<br>4 | 4<br>10<br>68<br>6                              | 1<br>3<br>27<br>5<br>3<br>11<br>4               | 8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18 |
| 2                  | ····j                            | <del> </del>                     | 2 2 2 6                          | 1<br>3<br>4                      | 1<br>2<br>3                      | 2<br>2<br>4                      | 3 1                               | 8<br>12  |                                       |   | 7<br>31<br>14<br>11<br>9                                    | 1<br>37<br>2<br>14<br>11                | 1<br>7<br>8                                       | 1<br>25<br>1<br>16<br>11                        | 3   | 2  |
| 1                  | j                                |                                  | 1<br>3                           |                                  | 1<br>2<br>3                      | 1<br>1                           | 3 2 1                             | 1  | 3<br>2                                |   | 5<br>2<br>7<br>11<br>7<br>32                                | 11<br>3<br>6<br>16<br>15                | 4<br>5<br>11<br>7                                 | 3<br>9<br>3<br>9                                | 2   | 25<br>26<br>27<br>28   |
|                    |                                  |                                  | 3<br>1<br>2<br>1<br>1            | 1 1                              | 1<br>7<br>1<br>2<br>1            | 9<br>2<br>2<br>1<br>1            | 1<br>1<br>2<br>2<br>2             | 16<br>3<br>2<br>5<br>1<br>1<br>2<br>1<br>1<br>6<br>3 | 1<br>29<br>1<br>6<br>5<br>4<br>6<br>2 | 248<br>221<br>26<br>1<br>21<br>21<br>21<br>21<br>21<br>11   | 84<br>3<br>17<br>33<br>3<br>24<br>8<br>8<br>6<br>4          | 25<br>7<br>9<br>4<br>5                  | 3<br>91<br>91<br>23<br>5<br>27<br>6<br>7          | 11<br>125<br>6<br>4<br>15<br>3<br>33<br>15<br>2 | 2<br>50<br>2<br>2<br>1<br>1<br>8<br>8<br>5<br>3 | 31<br>32<br>33<br>34<br>35<br>36<br>37<br>38<br>40           |

TABLE D.—AVERAGE FULL-TIME HOURS, HOURS ACTUALLY WORKED, AND NUMBER OF EMPLOYEES WORKING EACH CLASSIFIED PER CENT ONE WEEK, BY STATES, 1916—Continued.

|             |                                |   |               | age | Aver-<br>age<br>hours<br>ac-      | ATTOR                         | Aver-<br>age<br>am't<br>ac- | fie          |   | cent o  | king e<br>f full t                             |                     |                             |
|-------------|--------------------------------|---|---------------|-----|-----------------------------------|-------------------------------|-----------------------------|--------------|---|---|--|---------------------|-----------------------------|
| Line<br>No. | Occupation, sex, and<br>State. | Num-<br>ber<br>of<br>estab-<br>lish-<br>ments | ploy-<br>ees. |     | per<br>em-<br>ploy-<br>ee<br>dur- | age<br>full-<br>time<br>week- | earn- ed per em- ploy- ee   | per<br>cent. | 25<br>and<br>un-<br>der<br>50<br>per<br>cent. | 50<br>and<br>un-<br>der<br>75<br>per<br>cent. | 75<br>and<br>un-<br>der<br>100<br>per<br>cent. | 100<br>per<br>cent. | Over<br>100<br>per<br>cent. |

## LASTING DEPARTMENT—Concluded.

|             |  |                             |     |       |       |                                      |         |     | ,   | ,      |     |     |        |
|-------------|--|-----------------------------|-----|-------|-------|--------------------------------------|---------|-----|-----|--------|-----|-----|--------|
|             | Hand-method lasting-<br>machine operators, |                             |     |       |       |                                      |         |     |     |        |     |     |        |
|             | male:                                      |                             |     |       |       | l .                                  |         | 1   |     |        |     |     | (      |
| 1           | Maine                                      | 3                           | 38  | 58.0  | 57.4  | \$23.35                              | \$23.01 |     |     | 1      | 16  | 6   | 15     |
| 2           | Massachusetts                              | 28                          | 212 | 54.4  | 45.8  | 20.79                                | 17.38   | 3   |     | 32     | 131 | 32  | 8      |
| 3           | Missouri                                   | 7                           | 98  | 55.7  | 49.5  | 18. 20                               | 16. 15  | 1   | 2   | 11     | 49  | 33  | 8<br>2 |
| 4           | New Hampshire                              | 5                           | 46  | 55.0  | 51.5  | 17 31                                | 16 19   | ı.  | 1   | 4      | 18  | 21  | 2      |
| 3<br>4<br>5 | New Hampshire<br>New York                  | 3                           | 64  | 52. 9 | 50.8  | 20.03                                | 19. 11  |     | ī   | 4 2    | 12  | 45  | 4      |
| 6           | Ohio                                       | 5                           | 41  | 56.3  | 47.3  | 21.03                                | 17. 47  |     | l   | 10     | 30  |     | 11     |
| 6<br>7      | Ohio<br>Pennsylvania                       | 5<br>3<br>5<br>4            | 14  | 54.6  | 44.8  | 20. 03<br>21. 03<br>17. 25<br>16. 82 | 14. 41  |     | 1   | 3      | 7   | 3   | _ 7    |
| 8           | Other States                               | 6                           | 14  | 59. 3 | 52.4  | 16.82                                | 14.90   |     | l   | ĩ      | 8   | 3   | 2      |
|             |  |                             |     |       |       |                                      |         |     |     |        |     |     |        |
|             | Total                                      | 61                          | 527 | 55.1  | 48.7  | 19.91                                | 17, 52  | 4   | 11  | 64     | 271 | 143 | 34     |
|             |  |                             |     |       |       |                                      |         |     |     |        |     |     |        |
|             | Turn lasters, hand, male:                  |                             |     |       |       | i                                    |         |     |     |        |     |     |        |
| 9           | Massachusetts                              |                             | 262 | 54.5  | 46.5  | 22.64                                | 19.30   | 1 2 | 4   | 43     | 173 | 37  | 3      |
| 10          | Missouri                                   | 8<br>4<br>3<br>11<br>3<br>6 | 145 | 57.1  |       | 21. 28                               |         |     | 6   | 20     | 102 | 15  | ĭ      |
| 11          | New Jersey                                 | 3                           | 17  | 55. 0 | 50.5  | 15. 19                               | 13.86   | l   |     |        | 17  |     | -1     |
| 12          | New Jersey<br>New York                     | 11                          | 242 | 52.6  |       | 18. 65                               | 17. 37  |     | 8   | 23     | 40  | 109 | 62     |
| 13          | Ohio :                                     | 3                           | 85  | 56. 8 | 35. 7 | 22, 32                               | 13.93   | 5   |     | 31     | 27  |     | 1      |
| 14          | Pennsylvania                               | 6                           | 162 | 55. 7 |       | 16.55                                |         |     | 1   | 12     | 65  | 53  | 30     |
| 15          | Pennsylvania<br>Other States               | 5                           | 29  | 56. 1 |       |                                      |         |     | l ī | 1      | 14  | 12  | ĭ      |
|             |  |                             |     |       |       |                                      |         |     |     |        |     |     |        |
|             | Total                                      | 40                          | 942 | 54.9  | 48.1  | 20.12                                | 17.46   | 9   | 41  | 130    | 438 | 226 | 98     |
|             |  |                             |     |       |       |                                      |         |     |     |        |     |     |        |
|             | Turn sewers, male:                         | 1                           | ı   |       |       |                                      |         | Į.  |     |        |     |     |        |
| 16          | New York                                   | 10                          | 20  | 51.6  | 48.3  | 25.05                                | 23. 26  | I   |     | 2<br>5 | 4   | 13  | 1      |
| 17          | Pennsylvania                               | 5                           | 27  | 55. 4 | 51. 2 | 18, 21                               | 16. 11  |     |     | 5      | 4   | 17  | 1      |
| 18          | Other States                               | 13                          |     | 55. 2 | 47.5  | 28. 16                               |         |     | !   | 4      | 23  | 5   | [      |
|             |  |                             |     |       |       |                                      |         |     |     |        |     |     |        |
|             | Total                                      | 28                          | 79  | 54.4  | 49. 0 | 23, 97                               | 21. 22  |     | ا ا | 11     | 31  | 35  | 2      |
|             |  |                             |     |       |       |                                      |         |     |     |        |     |     | -      |
|             |  |                             |     |       |       |                                      |         | ·   | ·   |        |     |     |        |

## BOTTOMING DEPARTMENT.

|    | · · · · · · · · · · · · · · · · · · · | <u> </u>          |          |      |       | í               | ī      | 1         | 1     | 1                     | i   |     | 1           |
|----|---------------------------------------|-------------------|----------|------|-------|-----------------|--------|-----------|-------|-----------------------|-----|-----|-------------|
|    | Goodyear welters,                     |                   |          |      |       |                 | ĺ      |           | ]     |                       |     |     | 1           |
|    | male:                                 |                   |          |      |       |                 |        |           | 1     |                       |     |     |             |
| 19 | Illinois                              |                   | 30       |      |       | <b>\$</b> 33.38 |        |           |       | 7                     | 14  | 9   |             |
| 20 | Maine                                 | 5                 | 16       | 58.0 | 45.2  | 30.86           | 24.14  |           |       | 10                    | 4   | 1   | 1           |
| 21 | Massachusetts                         | 26                | 198      | 54.1 | 45.8  | 30.39           | 25.35  |           | 13    | 34                    | 128 | 18  | 1 8         |
| 22 | Minnesota                             | 3                 | 11       | 60.0 | 48.6  | 26.63           | 22.76  |           | 1     | 1                     | 8   |     | 1 1         |
| 23 | Missouri                              | 26<br>3<br>8<br>5 | 27       | 57.0 | 50.4  | 24.09           | 21.13  | 1         |       | 1                     | 23  | 2   |             |
| 24 | New Hampshire                         | 5                 | 47       | 55.0 | 51.7  | 23.66           | 22.66  |           | 1     | 3                     | 28  | 13  | 2           |
| 25 | New York                              | 10                | 43       | 52.9 | 45.5  | 30.82           | 25.90  |           |       | 10                    | 20  | 6   | 7           |
| 26 | Ohio                                  | 5                 | 32<br>24 | 56.1 | 38.6  | 24.23           | 16.19  |           | 5     | 16                    | 6   | 4   | 1           |
| 27 | Pennsylvania                          | 8                 | 24       | 55.4 |       | 26.78           | 23.16  |           |       |                       | 17  | 5   | 2           |
| 28 | Other States                          | 10                | 26       | 56.8 | 50.3  | 25.51           | 22.62  |           |       | 3                     | 20  | 3   |             |
|    | Total                                 | 84                | 454      | 54.9 | 46.8  | 28.58           | 24.15  | 1         | 20    | 85                    | 268 | 61  | 19          |
|    |                                       |                   |          |      |       |                 |        |           | =     |                       |     |     | <del></del> |
|    | Rough rounders, male:                 |                   |          |      |       |                 |        | 1         |       |                       |     |     | 1           |
| 29 | Illinois                              | 4                 | 21       | 54.3 | 47.6  |                 | 31.18  |           |       | 1                     | 15  | 5   |             |
| 30 | Massachusetts                         | 27                | 107      | 54.0 | 46. 2 | 29.54           | 24.90  |           | 9     |                       | 69  | 16  | 3           |
| 31 | Missouri                              | 9<br>5            | 23       | 55.6 | 50.8  | 22. 26          | 20.35  |           |       | 1<br>3<br>8<br>9<br>5 | 17  | 5   |             |
| 32 | New Hampshire                         | 5                 | 28       | 55.0 |       |                 | 23.00  |           | 1     | 3                     | 15  | 9   |             |
| 33 | New York                              | 10<br>5           | 27       | 53.0 |       |                 |        |           |       | 8                     | 9   | . 5 | 5           |
| 34 | Ohio                                  | 5                 | 17       | 56.4 | 43.6  |                 | 16. 71 | • • • • • | 1     | 9                     | 2   | 4   | 1           |
| 35 | Pennsylvania                          | 9                 | 23       | 55.0 | 45.9  |                 | 18. 23 |           |       | 5                     | 16  | 2   |             |
| 36 | Other States                          | 17                | 38       | 57.4 | 49.1  | 24.20           | 20.66  |           | ••••• | 9                     | 20  | 5   | 4           |
|    | Total                                 | 86                | 284      | 54.8 | 47.4  | 27.13           | 23. 15 |           | 11    | 46                    | 163 | 51  | 13          |

|                       |                                  | _                                | En                               | aploye                           | es earn                          | ing eac                          | ch el <b>a</b> ss                 | sified a                           | mount                              | durin                                    | g one w   | reek,  |   |  |   |  |
|-----------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|-----------------------------------|------------------------------------|------------------------------------|--|---|--|---|--|---|--|
| Un-<br>der<br>\$3.    | \$3<br>and<br>un-<br>der<br>\$4. | \$4<br>and<br>un-<br>der<br>\$5. | \$5<br>and<br>un-<br>der<br>\$6. | \$6<br>and<br>un-<br>der<br>\$7. | \$7<br>and<br>un-<br>der<br>\$8. | \$8<br>and<br>un-<br>der<br>\$9. | \$9<br>and<br>un-<br>der<br>\$10. | \$10<br>and<br>un-<br>der<br>\$11. | \$11<br>and<br>un-<br>der<br>\$12. | \$12<br>and<br>un-<br>der<br>\$14.       | \$14<br>and<br>un-<br>der<br>\$16.  | \$16<br>and<br>un-<br>der<br>\$18.   | \$18<br>and<br>un-<br>der<br>\$20.              | \$20<br>and<br>un-<br>der<br>\$25.             | \$25<br>and<br>over.                                  | Line<br>No.  |
|                       |                                  |                                  |                                  |                                  | LAS                              | TING                             | DEP                               | ARTA                               | IENT                               | -Conc                                    | luded.  |  |   |  |   | <u> </u>   |
| 2                     | 2 1 1                            | 1                                | 1<br>1<br>1                      | 2 2 2 1                          | 1<br>1                           | 1<br>3                           | 5<br>1<br>1<br>1                  | 3<br>1<br>1<br>2                   | 3<br>9<br>1<br>3<br>1              | 17<br>16<br>9<br>77<br>8<br>3<br>2<br>62 | 2<br>41<br>14<br>6<br>5<br>9<br>2<br>4<br>————————————————————————————————— | 2<br>38<br>17<br>9<br>3<br>4<br>3<br>85                                    | 7<br>38<br>15<br>6<br>7<br>6                    | 13<br>46<br>16<br>9<br>29<br>8<br>2<br>2<br>2  | 14<br>12<br>3<br>3<br>4                               | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8                     |
| 1<br>2<br>3<br>1<br>7 | 1<br>1<br>2                      | 1                                | 1<br>1<br>3<br>6                 | 1                                | 1<br>3<br>3                      | 5<br>3<br>5<br>2                 | 5<br>3<br>2<br>3<br>3<br>1<br>1   | 4<br>9<br>14<br>3<br>4<br>1        | 10<br>5<br>11<br>4<br>14           | 20<br>10<br>6<br>33<br>10<br>31<br>3     | 29<br>11<br>1<br>37<br>15<br>34<br>1  | 32<br>13<br>5<br>31<br>10<br>27<br>4<br>—————————————————————————————————— | 36<br>15<br>2<br>33<br>5<br>22<br>7             | 87<br>31<br>52<br>12<br>17<br>10               | 33<br>33<br>19<br>3<br>6<br>1                         | 9<br>10<br>11<br>12<br>13<br>14<br>15                    |
|                       |                                  |                                  |                                  |                                  |                                  |                                  |                                   | 1<br>1<br>2                        | 1<br>1<br>2                        | 1<br>2<br>2<br>2<br>5                    | 3<br>18<br>1<br>22  | 1 1 2  | i   | 8<br>2<br>10<br>20                             | 7<br>2<br>16<br>25                                    | 16<br>17<br>18   |
|                       | `                                | ,                                | ,                                |                                  | В                                | ОТТ                              | DMIN                              | G DE                               | PART                               | MEN                                      | т.  |  |   |  |   | <u> </u>   |
| 1 1                   | 1                                | 1                                | 1                                | 1                                | 1 2                              |                                  | 1 3                               | 3<br>2<br>                         | 6                                  | 5<br>1<br>                               | 1<br>3<br>2<br>2<br>4<br>2<br>2<br>2<br>19                                  | 2<br>6<br>4<br>4<br>4<br>5<br>4<br>2<br>31                                 | 5<br>5<br>14<br>2<br>1<br>2<br>2<br>2<br>1<br>1 | 2<br>37<br>5<br>10<br>12<br>14<br>10<br>5<br>9 | 22<br>8<br>121<br>4<br>6<br>22<br>21<br>11<br>11<br>9 | 19<br>20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28 |
|                       |                                  |                                  |                                  |                                  |                                  | 1                                | 1<br>1<br>2<br>2                  | 1<br>1<br>2<br>2<br>6              | 1<br>1<br>2<br>3<br>8              | 4<br>1<br>1<br>1<br>2<br>9               | 6<br>2<br>2<br>2<br>2<br>5<br>5<br>2  | 2<br>7<br>5<br>1<br>4<br>5<br>2<br>4                                       | 1<br>12<br>2<br>1<br>2<br>3<br>3<br>7<br>       | 1<br>222<br>7<br>10<br>6<br>3<br>6<br>8<br>8   | 15<br>53<br>5<br>12<br>13<br>2<br>10<br>110           | 29<br>30<br>31<br>32<br>33<br>34<br>35<br>36             |

TABLE D.—AVERAGE FULL-TIME HOURS, HOURS ACTUALLY WORKED, AND NUMBER OF EMPLOYEES WORKING EACH CLASSIFIED PER CENT ONE WEEK, BY STATES, 1916—Continued.

|             | •                              |   |       | Aver- | Aver-<br>age<br>hours                                      | Aver-<br>age<br>am't<br>ac-                        | fie                              | ploye<br>ed per<br>e wee                      | cent c  | king e<br>f full t                             | ach cime di         | lassi-<br>iring             |
|-------------|--------------------------------|---|-------|-------|--|--|----------------------------------|---|---|--|---------------------|-----------------------------|
| Line<br>No. | Occupation, sex, and<br>State. | Num-<br>ber<br>of<br>estab-<br>lish-<br>ments | ploy- |       | tually<br>work-<br>ed<br>per<br>em-<br>ploy-<br>ee<br>dur- | tually<br>earn-<br>ed<br>per<br>em-<br>ploy-<br>ee | Un-<br>der<br>25<br>per<br>cent. | 25<br>and<br>un-<br>der<br>50<br>per<br>cent. | 50<br>and<br>un-<br>der<br>75<br>per<br>cent. | 75<br>and<br>un-<br>der<br>100<br>per<br>cent. | 100<br>per<br>cent. | Over<br>100<br>per<br>cent. |

## BOTTOMING DEPARTMENT-Continued.

|                                 | Goodyear stitchers,    |             |          |       |       |                  |                |     |             |      |         |     |        |
|---------------------------------|------------------------|-------------|----------|-------|-------|------------------|----------------|-----|-------------|------|---------|-----|--------|
| 1                               | Illinois               | 4           | 45       | 54.1  | 47.0  | <b>\$3</b> 0. 73 | <b>9</b> 97 14 | 1   | 1           | 5    | 24      | 14  |        |
| 5                               | Maine                  | 5           | 21       | 58.0  | 40 1  | 22. 13           | 18. 79         | _   | •           | ĭ    | 19      | 1   |        |
| - 5                             | Massachusetts          |             | 276      | 54.1  |       | 25.36            | 21.97          | 2   | 8           |      | 171     | 46  | 2      |
| 3                               | Minnesota              | . 32        |          |       |       |                  |                |     |             |      | 1/1     |     | 2      |
| 2<br>3<br>4<br>5<br>6<br>7<br>8 |                        | 10          | 10       | 60.0  |       | 30. 82           |                |     |             | 1    |         |     |        |
| 5                               | Missouri               |             | 52       | 56. 1 |       | 20.50            |                |     |             | 3    | 34      |     |        |
| 6                               | New Hampshire          | 5           | 72       | 55.0  | 51.8  | 18.32            | 17. 22         |     | 3           | 9    | 37      |     |        |
| 7                               | New York               | 10          | 61       | 52.9  | 46.3  | 24. 73           |                |     |             |      | 39      |     | 6      |
| 8                               | Ohio                   | 5           | 33       | 56.3  |       | 21. 18           |                |     |             | 18   |         |     | 1<br>1 |
| 9                               | Pennsylvania           | 8           | 37       | 55.4  |       |                  |                |     |             | 2    | 30      |     | 1      |
| 10                              | Other States           | 9           | 30       | 56.7  | 51.6  | 21.92            | 20.12          |     |             |      | 24      | 2   | 4      |
|                                 |                        | <del></del> |          |       |       |                  |                |     |             | i    |         |     |        |
| 1                               | Total                  | 91          | 637      | 54.8  | 48.3  | 24.00            | 20.98          | 3   | 12          | 88   | 395     | 123 | 16     |
|                                 |                        |             |          |       |       |                  |                |     |             |      | ===     |     |        |
|                                 | McKay sewers, male:    | ŀ           | 1        |       |       | ŀ                |                |     |             |      |         | 1   |        |
| 11                              | Maine                  | 3           | 23       | 58.0  |       |                  |                |     | 1           |      | 15      |     | 1      |
| 12                              | Massachusetts          | 27          | 89       | 54.4  | 45.9  |                  |                | 1   |             | 17   | 49      | 15  |        |
| 13                              | Missouri               |             | 27       | 55.3  |       | 17. 24           | 15.77          |     |             | 2    | 21      |     | 1      |
| 14                              | New Hampshire          | 4           | 19       | 55.0  | 50.7  | 14.45            | 13.48          |     |             | 1    | 11      | 7   |        |
| 15                              | New York               | 4           | 13       | 50.9  | 44.8  | 22.60            | 19. 27         |     | 1           | 1    | 3       | 8   |        |
| 16                              | Other States           | 13          | 31       | 57.2  | 48.4  | 18.43            | 15.47          |     | 1           | 6    | 21      | 3   |        |
|                                 |                        |             |          |       |       |                  |                |     |             |      |         |     |        |
|                                 | Total                  | 56          | 202      | 55. 2 | 48.1  | 19.44            | 16.75          | 2   | 6           | 27   | 120     | 41  | 6      |
|                                 |                        |             |          |       |       |                  |                |     |             |      |         |     |        |
| - {                             | Loose-nail and stand-  |             | ,        |       |       |                  |                |     |             |      |         | ĺ   |        |
| - 1                             | ard-screw machine      |             |          |       |       |                  |                |     |             |      | ĺ       |     |        |
| - 1                             | operators, male:       |             |          |       |       |                  |                |     |             |      |         |     | l i    |
| 17                              | Massachusetts          | 11          | 44       | 55.2  | 48.4  | 18.49            | 16. 22         |     | 1           | 3    | 29      | 11  |        |
| 18                              | Other States           | 11          | 27       | 55.8  | 51.5  | 16.29            | 15.03          |     |             | 1    | 15      | 10  | 1      |
| 1                               |                        |             |          |       |       |                  |                |     |             |      |         |     |        |
|                                 | Total                  | 22          | 71       | 55.4  | 49.6  | 17.65            | 15.76          |     | 1           | 4    | 44      | 21. | 1      |
|                                 |                        |             |          |       |       |                  |                |     |             |      |         |     |        |
| - 1                             | Heelers, male:         |             |          |       |       |                  |                |     |             |      |         |     | i      |
| 19                              | Illinois               | 4           | 18       | 54.2  | 48.3  | 34.59            | 31.03          |     |             | 1    | 12      | 5   |        |
| 20                              | Maine                  | 5           | 17       | 58.0  |       | 24.30            | 21.83          |     |             | ī    | 14      | 2   |        |
| 21                              | Massachusetts          | 51          | 157      | 54.2  |       |                  | 22.64          |     | 2           | 26   | 85      | 40  | 4      |
| 22                              | Missouri               | 12          | 40       | 55. 9 |       |                  | 18. 45         |     | ~           | -ĭ   | 33      | 4   | i      |
| 23                              | New Hampshire          | 9           | 37       | 55.0  |       |                  | 18.38          |     | 1           | 2    | 24      | 10  |        |
| 24                              | New York               | 13          | 59       | 52.7  | 45.3  | 22 26            | 19.62          |     | 2           | 11   | 27      | 9   | 9      |
| 25                              | Ohio                   | 7           | 35       | 56.6  |       | 19.81            |                |     | í           | 6    | 17      | 9   | 3      |
|                                 | Dannlia                | ģ           | 35<br>27 | 55. 6 |       | 19.81            | 18. 25         |     | 1           | 1    |         | 8   | 3      |
| 26                              | Pennsylvania           | 4           |          |       |       |                  |                |     | 1           | 1    | 15<br>9 |     |        |
| 27                              | Wisconsin              |             | 13       | 58.8  | 51.4  |                  |                |     |             |      |         | 1   | 2      |
| 28                              | Other States           | 10          | 24       | 57.1  | 47.8  | 22.63            | 19.44          |     | 2           | 2    | 15      | 5   |        |
| - 1                             |                        |             |          |       |       |                  |                |     |             |      |         |     |        |
|                                 | Total                  | 124         | 427      | 55.0  | 48.5  | 23.68            | 20.79          | 3   | 9           | 51   | 251     | 91  | 22     |
| !                               |                        |             |          |       |       |                  |                | _   |             |      |         |     |        |
|                                 | Heel trimmers or shav- | 1           |          |       |       |                  | i              | 1 1 |             | i    |         |     |        |
| í                               | ers, male:             | [ ]         | ·i       |       |       |                  |                |     |             |      |         |     |        |
| 29                              | Illinois               | 4           | 22       | 54.0  | 46.8  |                  |                | '   |             | 3    | 12      | 7   |        |
| 30 ì                            | Maine                  | 4           | 14       | 58.1  |       | 22.13            |                |     |             | 1    | 10      | 1   | 2      |
| 31                              | Massachusetts          | 46          | 134      | 54.2  |       | 26.63            |                |     | 11          | . 14 | 76      | 29  | 2      |
| 32                              | Missouri               | 12          | 34       | 55.7  | 51.0  | 21.52            | 20.00          |     | 1           | 1    | 25      | 5   | 2      |
| 33                              | New Hampshire          | 9           | 26       | 55.0  | 52.4  | 19.79            | 18.68          |     |             |      | 20      | 6   |        |
| 34                              | New York               |             | 46       | 52. 9 | 47.1  | 26.85            | 23.44          |     | 2           | 4    | 16      | 17  | 7      |
| 35                              | Ohio                   | } ~~7       | 26       | 56. 2 | 45.5  | 23. 28           | 18.45          |     | 1           | 9    | 13      | 3   | 1      |
| 36 (                            | Pennsylvania           | l ġ         | 31       | 55. 2 | 48 5  | 17. 25           | 14.52          |     | 2           |      | 16      | 12  |        |
| 37                              | Other States           | 12          | 28       | 57.7  | 52. 2 | 22. 84           | 21. 11         |     | <del></del> | 2    | 21      | 3   | 2      |
| ٠. ا                            | Outor Duscoss . E      |             |          |       | Z     |                  |                |     |             |      |         |     |        |
| - 1                             | Mato)                  | 116         | 361      | 54.9  | 47.7  | 24.57            | 21, 18         | 3   | 17          | 34   | 209     | 83  | 15     |
|                                 |                        |             |          |       |       |                  |                |     |             |      |         |     |        |
|                                 | Total                  | 110         | 301      |       | 27.7  | 24.01            | 21.10          |     |             | - 01 | 203     |     |        |

|                    | · -                              |                                  |                                  | empio                            | yees ea                          | rning                                   | each ci                           | assme                              | u amot                             | mt du  | ring on                            | e week                                   | ·.                                      |   | 1 (                                    |            |
|--------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|---|-----------------------------------|------------------------------------|------------------------------------|--|------------------------------------|--|---|---|--|------------|
| Un-<br>der<br>\$3. | \$3<br>and<br>un-<br>der<br>\$4. | \$4<br>and<br>un-<br>der<br>\$5. | \$5<br>and<br>un-<br>der<br>\$6. | \$6<br>and<br>un-<br>der<br>\$7. | \$7<br>and<br>un-<br>der<br>\$8. | \$8<br>and<br>un-<br>der<br>\$9.        | \$9<br>and<br>un-<br>der<br>\$10. | \$10<br>and<br>un-<br>der<br>\$11. | \$11<br>and<br>un-<br>der<br>\$12. | \$12<br>and<br>un-<br>der<br>\$14.           | \$14<br>and<br>un-<br>der<br>\$16. | \$16<br>and<br>un-<br>der<br>\$18.       | \$18<br>and<br>un-<br>der<br>\$20.      | \$20<br>and<br>un-<br>der<br>\$25.                  | \$25<br>and<br>over.                   | Lin<br>No. |
|                    |                                  |                                  |                                  | В                                | OTTO                             | MIN                                     | G DE                              | PART                               | rmen                               | T—Co   | ntinue                             | od.                                      |   |   |  |            |
| 1                  | 1                                |                                  |                                  | 1                                | 2                                | 2                                       | 3                                 | 2<br>1<br>2<br>2<br>2              | 2<br>1<br>2<br>2<br>2              | 1<br>2<br>12<br>10<br>3<br>10<br>4<br>3<br>2 | 4<br>14<br>15<br>13<br>3<br>7      | 2<br>6<br>17<br>9<br>14<br>7<br>10       | 5<br>38<br>1<br>8<br>11<br>14<br>3<br>5 | 8<br>6<br>106<br>3<br>5<br>19<br>19<br>4<br>18<br>8 | 6<br>10                                | ]          |
| 1                  |                                  |                                  | 1<br>1<br>1<br>3                 | 1                                | 3<br>1<br>1<br>1                 | 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | 1<br>1<br>1                       | 2<br>1                             | 3<br>2<br>1<br>3<br>9              | 1  | 59 4 14 5 3 2 2 30                 | 71<br>5<br>14<br>6<br>5<br>2<br>11<br>43 | 91<br>5<br>8<br>3<br>3<br>4<br>23       | 196<br>4<br>277<br>2<br>1<br>5<br>2<br>41           | 147<br>                                |            |
|                    | 1                                |                                  |                                  |                                  | 1<br>1<br>2                      | 1<br>2<br>3                             |                                   | 2                                  | 1<br>3<br>4                        | 9  | 6<br>5<br>11                       | 2<br>5<br>7                              | 10<br>3.<br>13                          | 10<br>4<br>14                                       |  | ]          |
|                    | 1                                | 1                                |                                  | 3                                | 1                                | 1<br>1<br>1<br>2                        | 1<br>1                            | 1 1                                | 3                                  | 1<br>17<br>5<br>5<br>4<br>6<br>5             | 5<br>4<br>2<br>1<br>1              | 12<br>4<br>3<br>1<br>2                   |   | 16<br>8<br>7<br>4<br>10                             | 60<br>5<br>5<br>12<br>1<br>4<br>3<br>5 | 22         |
|                    |                                  |                                  | 1                                | 2                                | 1 3                              | 1                                       |                                   |                                    | 6                                  | 1<br>1<br>6<br>4<br>3<br>2<br>3<br>7         | 1<br>1<br>2<br>5                   | 2  | 3<br>3<br>4<br>3                        | 97<br>4<br>7<br>28<br>9<br>9<br>13<br>8             | 14<br>2<br>47<br>10<br>1<br>17<br>3    |            |

Table D.—AVERAGE FULL-TIME HOURS, HOURS ACTUALLY WORKED, AND NUMBER OF EMPLOYEES WORKING EACH CLASSIFIED PER CENT ONE WEEK, BY STATES, 1916—Continued.

|             |                                |                                       |       | age  | Aver-<br>age<br>hours<br>ac-<br>tually | Aver- | Aver-<br>age<br>am't<br>ac-<br>tually | fie                              |   | cent o  | king <b>e</b><br>f full t                      |                     |                             |
|-------------|--------------------------------|---------------------------------------|-------|--|--|-------|---------------------------------------|----------------------------------|---|---|--|---------------------|-----------------------------|
| Line<br>No. | Occupation, sex, and<br>State. | ber<br>of<br>estab-<br>lish-<br>ments | ploy- | time<br>hours<br>per<br>week<br>of<br>estab-<br>lish-<br>ments | work- ed per em- ploy- ee dur-         |       | earn-<br>ed                           | Un-<br>der<br>25<br>per<br>cent. | 25<br>and<br>un-<br>der<br>50<br>per<br>cent. | 50<br>and<br>un-<br>der<br>75<br>per<br>cent. | 75<br>and<br>un-<br>der<br>100<br>per<br>cent. | 100<br>per<br>cent. | Over<br>100<br>per<br>cent. |

# BOTTOMING DEPARTMENT—Continued.

|          |                       |     |       |       |       |         |        |            |    |             |     |     | 1     |
|----------|-----------------------|-----|-------|-------|-------|---------|--------|------------|----|-------------|-----|-----|-------|
|          | Heel breasters, male: |     | 0.0   | ا، ا  |       |         |        | ١.         | _  |             |     |     |       |
| 1        | Massachusetts         | 41  | 86    | 54.4  | 48.1  | \$19.28 | 316.82 | 1          | 2  | 11          |     | 24  | 2     |
| 2        | Missouri              | 9   | 23    | 56.2  | 50.5  | 14. 29  | 12.86  | <b>-</b>   | 1  | 1           |     | 2   | 3     |
| 3        | New Hampshire         | 9   | 17    | 55.0  | 52.5  | 15. 72  | 15.00  |            |    |             | 9   | 8   |       |
| 5        | New York              | 12  | 27    | 52.8  | 50.2  | 18.44   | 17.39  |            |    |             | 12  | 5   | 10    |
| 5        | Ohio                  | 6   | 16    | 56.3  | 52.8  | 18.67   |        |            |    | 2           | 6   | 4   | 4     |
| 6        | Pennsylvania          | 9   | 20    | 55.4  | 50.5  |         |        |            |    | 2           |     | 7   | 1     |
| 7        | Other States          | 20  | 37    | 56.9  | 49.3  | 17.52   | 15.79  | 2          |    | 5           | 20  | 7   | 3     |
| 1        |                       |     |       |       |       |         |        |            |    |             |     |     |       |
| - 1      | Total                 | 106 | 226   | 55. 1 | 49.7  | 17.56   | 15.77  | 3          | 3  | 21          | 119 | 57  | 23    |
| - 1      |                       |     |       |       |       |         |        |            |    |             |     |     |       |
| - 1      | Edge trimmers, male:  |     |       | i     |       | 1       |        | İ          |    |             |     |     |       |
| 8        | Illinois              | 4   | 45    | 54.0  | 48.6  | 29.87   | 26.96  | l <b>.</b> |    | 2           | 28  | 15  |       |
| ğ        | Maine.                | 5   | 46    | 58. 1 | 51.4  | 24.06   | 21.06  | 1          |    | 9           | 20  | 5   | 11    |
| 1ŏ       | Massachusetts         | 50  | 458   | 54.2  | 48.6  | 24.16   |        | 1 2        | 6  | 51          | 247 | 149 | 3     |
| îĭ       | Missouri              | 12  | 100   | 55. 7 | 50. 2 | 20.82   | 18.87  |            | ĭ  | 6           |     | 18  | 4     |
| 12       | New Hampshire         | 9   | 110   | 55. 0 | 51.8  | 21.00   | 19.90  |            |    | l š         |     | 57  | 4     |
| 13       | New York              | 13  | 112   | 53.0  | 49.6  | 23.62   | 22.05  |            | 2  | 11          |     | 44  | 18    |
| 14       | Ohio                  | 7   | 69    | 56. 3 | 46.4  |         | 16.72  |            | 2  | 20          |     | 7   | . *9  |
| 15       | Pennsylvania          |     | 49    | 55. 0 | 50.3  | 20.73   |        |            | _  | 6           |     | 12  | ····i |
| 16       | Wisconsin             | 4   | 22    | 58. 6 | 54.6  |         | 18.97  |            |    |             | 19  | 3   | 1     |
| 17       | Other States          | 10  | 37    | 57.4  | 53.1  | 25. 09  | 23.43  |            | 1  | i           | 20  | 5   | 10    |
|          | Other Budles          |     |       |       |       | 20.00   |        |            |    |             |     |     |       |
| - 1      | Total                 | 123 | 1,048 | 54.8  | 49.6  | 23, 25  | 20, 94 | 5          | 13 | 112         | 555 | 315 | 48    |
| - 1      | 10041                 |     |       |       |       | 20.20   | 20.01  |            |    |             |     | 010 |       |
| i        | Edge setters, male:   |     | 1     |       |       | i i     |        |            |    |             |     |     |       |
| 18       | Illinois              | 4   | 47    | 54.1  | 49.0  | 28. 28  | 25.94  |            | 1  | 3           | 25  | 18  |       |
| 19       | Maine                 | 5   | 26    | 58.0  | 50.0  |         | 20.45  |            | _  | 3<br>7      | 15  | 2   | 2     |
| 20       | Massachusetts         | 51  | 361   | 54. 2 | 47.6  |         | 20. 54 | 2          | 8  | 41          | 195 | 111 | 4     |
| 21       | Minnesota             | 3   | 16    | 60.0  |       | 22.68   |        |            |    | î           | 15  |     |       |
| 22       | Missouri              | 12  | 92    | 55.8  | 50.0  | 20. 13  |        |            | i  |             | 70  | 6   |       |
| 23       | New Hampshire.        | 9   | 79    | 55.0  | 51.1  |         |        | ····į      | -  | 5           | 50  | 22  | 9     |
| 24       | New Jersey            |     | 14    | 55.0  | 50.3  | 26.07   |        | -          |    | ٠,          | 14  | 44  |       |
| 25       | New York              |     | 116   | 52. 5 | 48.3  | 23.04   | 21 28  |            | 2  | 7           |     | 50  | 12    |
| 26       | Ohio                  |     | 83    | 56.3  | 44.8  | 21.10   |        |            |    |             |     |     | 2     |
| 27       | Pennsylvania          | ģ   | 67    | 55. 5 | 51.5  | 21. 92  |        |            |    | 3           |     | 16  | 4     |
| 28       | Wisconsin             | 4   | 19    | 58.7  | 54.9  |         |        |            |    | ð           | 16  | 3   | *     |
| 28<br>29 |                       | 4   | 15    | 55. 5 | 55. 2 | 22. 27  | 22. 08 |            |    | • • • • • • |     |     | 6     |
| 29       | Other States          | 4   | 10    | 33. 3 | 33. 2 | 22.21   | 22.00  |            |    |             | 8   | 1   | o     |
|          | ma4a1                 | 125 | 935   | 54.8  | 48.8  | 22. 70  | 20.14  | 4          | 24 | 87          | 540 | 000 |       |
|          | Total                 | 123 | 930   | 94.0  | 40.0  | 22. 10  | 20.14  | 4          | 24 | 0/          | 543 | 238 | 39    |
|          | Trackasanan maka      |     |       |       |       |         |        |            |    |             |     |     |       |
| - 00     | Heel scourers, male:  |     | 10    | 74.0  | 40.9  | 00.10   | 10.71  |            |    |             |     | '   | ŀ     |
| 30       | Illinois              | 4   | 18    | 54.0  | 49.3  |         |        |            |    | 1           | 10  | 7   |       |
| 31       | Maine                 | 5   | 17    | 58.0  | 50.4  |         |        |            |    | 2           | 8   | 1   | 5     |
| 32       | Massachusetts         | 48  | 191   | 54.1  | 41.8  | 20.41   |        |            | 2  | 29          | 98  | 52  | 8     |
| 33       | Minnesota             | 3   | 11    | 60.0  | 50.3  |         | 18.90  |            |    | 2           | .8  | 1   |       |
| 34       | Missouri              | 12  | 56    | 56.3  | 50.6  |         |        |            | 1  |             | 41  | 9   | 2     |
| 35       | New Hampshire         | . 8 | 44    | 55.0  | 51.9  | 14.65   |        |            |    | 3           | 20  | 17  | 4     |
| 36       | New York              | 13  | 62    | 53. 3 | 50.0  | 20.70   | 19.23  |            |    | 4           | 23  | 24  | 11    |
| 37       | Ohio                  | 7   | 36    | 56.0  | 49. 1 |         | 16.79  |            | 1  | 2           |     | 5   | 2     |
| 38       | Pennsylvania          | 9   | 30    | 55. 2 | 52.9  | 14.44   |        |            |    |             | 18  | 12  |       |
| 39       | Other States          | 10  | 26    | 57.2  | 53.5  | 18.29   | 17.21  |            | 1  |             | 19  | 5   | 1     |
|          |                       |     |       |       |       |         |        |            |    |             |     |     |       |
|          | Total                 | 119 | 491   | 55.0  | 47.5  | 18.96   | 17.00  | 4          | 5  | 45          | 271 | 133 | 33    |
|          |                       |     |       |       |       |         |        |            |    |             |     |     |       |
|          |                       |     |       |       |       |         |        |            |    |             |     |     |       |

|                    |                                  |                                  |                                  | Emplo                            | yees ea                          | rning                            | each cl                           | assified                           | i amou                               | int du                             | ring on   | e week  | ·.  | •  |   |            |
|--------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|-----------------------------------|------------------------------------|--------------------------------------|------------------------------------|---|---|---|--|---|------------|
| Un-<br>der<br>\$3. | \$3<br>and<br>un-<br>der<br>\$4. | \$4<br>and<br>un-<br>der<br>\$5. | \$5<br>and<br>un-<br>der<br>\$6. | \$6<br>and<br>un-<br>der<br>\$7. | \$7<br>and<br>un-<br>der<br>\$8. | \$8<br>and<br>un-<br>der<br>\$9. | \$9<br>and<br>un-<br>der<br>\$10, | \$10<br>and<br>un-<br>der<br>\$11. | \$11<br>and<br>un-<br>der<br>\$12,   | \$12<br>and<br>un-<br>der<br>\$14. | \$14<br>and<br>un-<br>der<br>\$16.                  | \$16<br>and<br>un-<br>der<br>\$18.            | \$18<br>and<br>un-<br>der<br>\$20.              | \$20<br>and<br>un-<br>der<br>\$25.         | \$25<br>and<br>over.                    | Lin<br>No. |
|                    |                                  |                                  |                                  | B                                | отт                              | DMIN                             | G DE                              | PART                               | rmen                                 | i <b>T</b> —Co                     | ontinue   | ed.   |   |  |   | \ <u></u>  |
| 2                  | 1                                | i<br>i<br>1                      | 1                                | 4                                | 31                               | 1<br>1<br>1<br>4<br>1            | 4<br>5<br>1<br>1                  | 4<br>1<br>1                        | 2<br>2<br>2<br>1                     | 3<br>5<br>4<br>7                   | 13<br>3<br>4<br>12<br>5<br>1                        | 13<br>1<br>1<br>2<br>2                        | 17<br>4<br>1<br>4<br>2<br>3<br>7                | 16<br>3<br>1<br>3<br>1<br>6                | 3<br>1                                  |            |
| 2<br>3<br>2        |                                  | 3<br>1<br>1<br>1<br>1            | 1                                | 5                                | 1<br>1<br>1                      | 1<br>2                           | 5<br>1<br>1<br>1                  | 7<br>                              | 9<br>1<br>2<br>7<br>2<br>2<br>4<br>1 | 1<br>23                            | 40<br>1<br>4<br>31<br>16<br>12<br>8<br>19<br>4<br>4 | 19<br>8<br>55<br>7<br>16<br>10<br>8<br>4<br>4 | 38<br>4<br>5<br>62<br>21<br>17<br>14<br>7<br>11 | 12<br>13<br>150<br>29<br>47<br>40<br>13    | 25<br>12<br>116<br>13<br>11<br>32<br>4  |            |
| 5                  |                                  | 4                                | 1                                | 2<br>2<br>1                      | 1<br>5<br>===1                   | 3                                | 9                                 | 9                                  |                                      | 65                                 | 101<br>= 5<br>4                                     | 115<br>2<br>7                                 | 148   | 8  | 237<br>237<br>32                        |            |
| i                  | î                                | 1<br>i                           | 1                                | 1<br>1<br>1                      | 3                                | 2<br>1                           | 4                                 | 7<br>2<br>1                        | 3<br>1<br>2<br>3<br>6<br>2<br>1      | 7                                  |   | 55<br>16<br>13<br>1<br>12<br>15<br>7<br>6     | 19<br>3<br>8<br>13<br>12<br>10<br>12<br>4<br>5  | 94<br>6<br>36<br>33<br>3<br>36<br>17<br>25 | 82<br>2<br>5<br>3<br>8<br>30<br>2<br>10 |            |
| 2                  | <u> </u>                         | 2                                | 2                                | 5                                | 5                                |                                  | 5                                 | 16                                 | 19                                   |                                    | 102   | 134   | 117<br>2<br>2                                   | 275  | 184                                     |            |
| 1<br>2             | 1                                | 1                                | 1<br>1<br>1                      | 1<br>1                           | 1<br>1<br>1                      | 1<br>3<br>1<br>1<br>3            | 3                                 | 4<br>1<br>2                        |                                      | 10<br>4<br>8<br>5                  | 1<br>11<br>11                                       | 30<br>1<br>8<br>5                             | 31<br>1<br>2<br>4<br>8<br>4<br>1<br>2           | 49<br>4<br>4<br>1<br>25<br>6               | 10<br>1<br>3                            |            |

13

22 76

76 69

108

31

TABLE D.—AVERAGE FULL-TIME HOURS, HOURS ACTUALLY WORKED, AND NUMBER OF EMPLOYEES WORKING EACH CLASSIFIED PER CENT ONE WEEK, BY STATES, 1916—Continued.

|             | •                              |   | •   | Aver-   | Average<br>hours   |                        | Average am't          | fie                              | ploye<br>d per<br>le wee                      | cent o  | king e<br>f full t                             | each clime du       | lassi-<br>iring             |
|-------------|--------------------------------|---|---|---|--|------------------------|-----------------------|----------------------------------|---|---|--|---------------------|-----------------------------|
| Line<br>No. | Occupation, sex, and<br>State. | Num-<br>ber<br>of<br>estab-<br>lish-<br>ments | Num-<br>ber<br>of<br>em-<br>ploy-<br>ees. | full-<br>time<br>hours<br>per<br>week<br>of<br>estab-<br>lish-<br>ments | tually<br>work-<br>ed<br>per<br>em-<br>ploy-<br>ee<br>dur- | full-<br>time<br>week- | tually<br>earn-<br>ed | Un-<br>der<br>25<br>per<br>cent. | 25<br>and<br>un-<br>der<br>50<br>per<br>cent. | 50<br>and<br>un-<br>der<br>75<br>per<br>cent. | 75<br>and<br>un-<br>der<br>100<br>per<br>cent. | 100<br>per<br>cent. | Over<br>100<br>per<br>cent. |

# BOTTOMING DEPARTMENT-Concluded.

|                  | Trally maish and male.             |         |                      |              |               |                |        |     |            |         |          |     |      |
|------------------|------------------------------------|---------|----------------------|--------------|---------------|----------------|--------|-----|------------|---------|----------|-----|------|
|                  | Heel burnishers, male:<br>Illinois | 4       | 13                   | 54.1         | 40.6          | \$27.80        | ens an |     |            | -       | -        | 5   | 1    |
| - 5              | Maine                              | 4<br>5  | 11                   | 58.1         | 49. U         | 21.92          | 10 07  |     |            | 5       | اءُ      | 1   |      |
| 2<br>3           | Massachusetts                      | 50      | 143                  | 54.4         | 40.1          | 10 77          | 10.07  |     | 3          | 13      | 93       | 33  | 1    |
| 3                |                                    |         | 140                  | 56.5         | 20.1          | 18.77<br>14.39 | 10.40  |     | 3          | 10      | 25       | 33  | - 5  |
| 4<br>5<br>6<br>7 | Missouri                           | 9       | 37<br>32             |              | 70.1          | 14. 88         | 14.00  |     |            | - 4     | 19       | 11  | 9    |
| õ                | New Hampshire.                     | 19      | 32                   | 55.0         |               | 14. 88         | 14.20  |     |            |         | 19       |     |      |
| 6                | New York                           | 13<br>7 | 41                   | 52.9         |               | 18.78          | 17.32  |     | 1          | 4       | 15       | 14  | - 4  |
| 7                | Ohio                               | 7       | 41<br>28<br>22<br>15 | 57.0         |               | 17. 55         | 14.82  |     | 1 1        | 5       | 17       | 4   | 1    |
| 8                | Pennsylvania<br>Wisconsin          | 9       | 22                   | 55.3         | 52.1          | 14.96          |        | ;   | 1          | 1       | _ 7      | 10  | 3    |
| 9                | Wisconsin                          | 4       | 15                   | 59.0         |               | 14.42          | 12.74  | 1   |            |         | 10       | 3   | 1    |
| 10               | Other States                       | 9       | 16                   | 57.3         | <b>5</b> 2. 6 | 19. 27         | 17.69  |     |            |         | 14       | 2   |      |
|                  | Total                              | 122     | 358                  | 55. 2        | 40.0          | 17.90          | 16.00  |     | 6          | 29      | 213      | 90  | 19   |
|                  | 10tal                              | 122     | - 000                | 33. Z        | 40.0          | 17. 50         | 10.00  |     |            |         | 210      |     | - 18 |
|                  | Buffers, male:                     |         |                      |              |               |                |        |     |            |         |          |     |      |
| 11               | Buffers, male:<br>Illinois         | 4       | 19                   | 54.7         | 49.0          | 20, 58         | 18.70  |     | i <b>.</b> | 1       | 12       | 6   |      |
| 12               | Maine                              | 5       | 18                   | 54.7<br>57.9 | 47.3          | 23. 27         | 18.83  | 1   | 1          | 3       | 12<br>8  | ĭ   | 4    |
| 13               | Massachusetts                      | 49      | 225                  | 54.4         | 48.1          | 18.46          | 16.17  | l ī | 10         | 18      | 134      | 61  | ī    |
| 14               | Missouri                           | 12      | 225<br>53<br>59      | 55. 9        | 51.0          | 15.66          | 14.30  | i   | Ť          | 18<br>3 | 31       | ĭī  | 7    |
| 15               | New Hampshire                      | 12<br>9 | 59                   | 55. 0        |               | 15.78          | 15.14  |     |            | 3       | 23       | 33  |      |
| îĕ               | New Hampshire<br>New York          | 14      | 50                   | 52.8         | 51.5          |                | 18.59  |     |            | 2       | 11       | 24  | 13   |
| 17               | Ohio                               | 14<br>7 | 30                   | 55. 8        | 47.9          |                | 17.55  | 1   |            | 3       | 11<br>20 | 7   |      |
| 18               | Pennsylvania                       | 9       | 36                   | 55.0         | 53. 4         |                |        |     |            |         | 18       | 14  | 4    |
| 19               | Other States                       | 14      | 33                   | 57. 1        | 51. 0         |                | 16.92  |     | i          |         | 25       | - 5 | 2    |
| .,               | O 11101 D 641 65                   |         |                      |              |               | 20.00          | 10.02  |     |            |         | 20       |     |      |
|                  | Total                              | 123     | 523                  | 54.9         | 49.8          | 17.97          | 16.16  | 2   | 13         | 33      | 282      | 162 | 31   |
|                  |                                    | ]       |                      |              |               |                |        | 1   |            |         |          |     |      |

# FINISHING DEPARTMENT.

| Treers or ironers, hand, |  |          |           |          |          |          |          |          |           |          |          |          |
|--------------------------|--|----------|-----------|----------|----------|----------|----------|----------|-----------|----------|----------|----------|
|                          | 1  |          | •         |          |          |          |          |          | ] [       |          |          |          |
| male:                    | ĺ  | i        |           |          |          |          |          |          | 1         |          |          |          |
| Tillinois                | 4  | 86       | 53.8      | 50.3     | \$10 92  | \$18 95  | 1        |          | 18        | 18       | 50       |          |
| Maine                    | ŝ  |          |           |          |          |          |          |          | 12        | 22       |          | 13       |
| Maggachugatta            | 47   |          |           |          |          |          |          | 20       | 55        |          |          | 13<br>27 |
|                          | 21   |          |           |          |          |          |          | 32       | 1         |          |          | 21       |
|                          | 9  |          |           |          |          |          |          | ;        | 1 1       |          |          |          |
|                          | 2  | 100      |           |          |          |          |          |          | 9         |          | 91       | 8        |
| New Hampshire.           | (  | 80       |           |          | 14.95    | 14.10    |          | 1        | 4         | 40       | 24       | 8        |
| New Jersey               | 2  |          |           |          |          |          |          |          |           |          |          |          |
| New York                 | 9  | 99       |           |          |          |          |          | 4        | 7         |          | 20       | 11<br>20 |
| Ohio                     | 5  | 65       |           |          |          |          |          | 2        | 7         |          | 16       | 20       |
| Pennsylvania             | 5  | 36       |           |          |          |          |          |          |           |          | 25       | 9        |
| Wisconsin                | 4  | 22       | 58. 2     | 51. 5    | 16.67    | 14.80    | 1        |          | 1         | 16       | 2        | 2        |
| Other States             | 4  | 36       | 55. 2     | 50.6     | 13.76    | 12.74    | 1        | 1        |           | 24       | 9        | 1        |
| Total                    | 103  | 1,268    | 55. 0     | 50.8     | 16.35    | 15, 01   | 11       | 43       | 74        | 498      | 547      | 95       |
| Treers or ironers hand   |  |          |           |          |          |          |          |          |           |          |          |          |
| female.                  |  |          | 1         |          |          |          |          |          |           |          |          |          |
| New York                 | 4  | 42       | 51.0      | 44 8     | 11 59    | 10 16    |          | 1        | 8         | 15       | 4        | 14       |
| Ohio                     | â,   |          |           |          |          |          |          | ī        | 5         | 27       | â        |          |
| Poppovlyonio             | 9  | 34       |           |          |          | 9 10     |          | •        | 2         | - 4      | 12       |          |
| Other States             | 3  | 24       |           |          |          | 0.10     |          |          | 1         | 93       | 14       | J        |
| Other States             |  | - 39     | 04. 0     | au. a    | 0, 00    | 0.07     |          | 1        |           | 20       | 14       |          |
| Total                    | 14   | 142      | 53. 1     | 47.7     | 9.87     | 8, 87    |          | 3        | 17        | 68       | 35       | 19       |
|                          | Illinois. Maine. Massachusetts. Minnesota. Missouri New Hampshire. New Jersey New York. Ohio. Pennsylvania. Wisconsin. Other States.  Total.  Treers or ironers, hand, female: New York. Ohio. Pennsylvania. | Illinois | Illimois. | Illinois | Illinois | Illinois | Illinois | Illinois | Illinois. | Illinois | Illinois | Illinois |

|                    |                                  |                                  | Eı                                      | mploye                           | es earr                          | ning ea                          | ch clas                                   | ssified :                          | amoun                                 | t durir                                       | ng one                                       | week.   |  |   |                                 |  |
|--------------------|----------------------------------|----------------------------------|---|----------------------------------|----------------------------------|----------------------------------|---|------------------------------------|---------------------------------------|---|--|---|--|---|---------------------------------|--|
| Un-<br>der<br>\$3. | \$3<br>and<br>un-<br>der<br>\$4. | \$4<br>and<br>un-<br>der<br>\$5. | \$5<br>and<br>un-<br>der<br>\$6.        | \$6<br>and<br>un-<br>der<br>\$7. | \$7<br>and<br>un-<br>der<br>\$8. | \$8<br>and<br>un-<br>der<br>\$9. | \$9<br>and<br>un-<br>der<br>\$10.         | \$10<br>and<br>un-<br>der<br>\$11. | \$11<br>and<br>un-<br>der<br>\$12.    | \$12<br>and<br>un-<br>der<br>\$14.            | \$14<br>and<br>un-<br>der<br>\$16.           | \$16<br>and<br>un-<br>der<br>\$18.                | \$18<br>and<br>un-<br>der<br>\$20.   | \$20<br>and<br>un-<br>der<br>\$25.                | \$25<br>and<br>over.            | Line<br>No.  |
|                    |                                  |                                  |   | В                                | отто                             | MIN                              | G DE                                      | PART                               | MEN                                   | <b>T</b> Co                                   | nclude                                       | d.  |  |   |                                 |  |
| 1                  |                                  | 1                                | 1 | 1 1 1                            | 1 1 2 5                          | 1<br>1<br>2<br>1<br>1<br>1<br>1  | 1<br>2<br>2<br>2<br>4<br>2<br>3<br>2<br>1 | 4                                  | 12<br>2<br>1<br>3<br>3<br>2<br>3<br>2 | 28<br>28<br>111<br>6<br>3<br>7<br>5<br>3<br>4 | 1<br>1<br>21<br>8<br>6<br>5<br>4<br>3<br>2   | 1<br>22<br>24<br>3<br>4<br>22<br>4<br>2<br>3<br>4 | 1<br>9<br>2<br>2<br>10<br>3<br>2<br>1<br>1<br>1  | 1<br>6<br>30<br>2<br>2<br>2<br>6<br>6<br>2<br>1   | 1<br>5<br>1<br>1                | 2<br>3<br>4<br>5<br>6<br>7<br>8                                      |
| 1                  | 1                                |                                  | 1 1 2                                   | 2 1                              | 3                                | 3<br>1<br>1<br>3<br>9            | 1<br>2<br>3<br>2<br>1<br>1                | 5<br>4<br>5<br>1<br>1<br>2         | 11<br>3<br>1<br>2<br>4                | 1<br>28<br>9<br>8<br>5<br>4<br>6<br>6         | 3<br>3<br>54<br>17<br>15<br>6<br>4<br>9<br>6 | 2<br>1<br>41<br>6<br>13<br>, 6<br>. 7             | 66<br>31<br>19<br>12<br>2<br>67  | 38<br>9<br>38<br>6<br>4<br>15<br>9<br>3<br>3<br>3 | 2<br>4<br>3<br>2<br>2<br>2<br>3 | 13<br>14<br>15<br>16<br>17<br>18                                     |
|                    | Į.                               |                                  |   |                                  | ]                                | FINIS                            | HING                                      | DEF                                | PART                                  | MENT  | Γ,   |   |  |   | <u> </u>                        |  |
| 1<br>3<br>2        |                                  | 1<br>1<br>2                      | 1<br>4<br>2<br>1                        | 6                                | 7<br>5<br>2                      | 4<br>12<br>1<br>5                | 1<br>1<br>12<br>2<br>7<br>2               | 4                                  | 5                                     | 3<br>12<br>119<br>1<br>20<br>26               | 2<br>16<br>21<br>1                           | 9<br>8<br>147<br>3<br>13<br>15                    | 21<br>14<br>80<br>2<br>3<br>9  | 19<br>6<br>45<br>5                                | 23<br>1<br>9                    | 20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28<br>29<br>30<br>31 |
| 1<br>2<br>15       |                                  | 6                                | 9                                       | 1<br>1<br>4<br>i                 | 1<br>5<br>1<br>i<br>22           | 2<br>1<br>3<br>1<br>30           | 8<br>3<br>8<br>2<br>46                    | 7<br>2<br>1                        | 12<br>7<br>1<br>2<br>3<br>            | 22<br>12<br>5<br>2<br>10<br>232               | 19<br>13<br>4<br>7                           | 14<br>3<br>2<br>7<br>1<br>222                     | $ \begin{array}{r}     1 \\     7 \\     1 \\     2 \\     3 \\     \hline     144 \end{array} $ | 11<br>2<br>4<br>1                                 | i                               | 27<br>28<br>29<br>30<br>31   |
| 1<br>1<br>1        | 1                                | <br>2<br>1                       |   | 4                                | 3                                | 5<br>1<br>6<br>6                 | 2 2                                       | 8<br>18<br>2                       | 6                                     | 8<br>2<br>2                                   | 4  |   |  |   | ••••                            | 32<br>33<br>34<br>35   |

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 $5620^{\circ}$ —18—Bull. 232——9

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Table D.—AVERAGE FULL-TIME HOURS, HOURS ACTUALLY WORKED, AND NUMBER OF EMPLOYEES WORKING EACH CLASSIFIED PER CENT ONE WEEK, BY STATES, 1916—Concluded.

|             |                               |   |   | Aver-<br>age<br>full-  | ac-                                      | ATTOR                  | Average<br>am't<br>ac-             | fie                              |   | es wor<br>cent o                              |  |                     |                             |
|-------------|-------------------------------|---|---|--|--|------------------------|------------------------------------|----------------------------------|---|---|--|---------------------|-----------------------------|
| Line<br>No. | Occupation, sex, and<br>State | Num-<br>ber<br>of<br>estab-<br>lish-<br>ments | Num-<br>ber<br>of<br>em-<br>ploy-<br>ees. | time<br>hours<br>per<br>week<br>of<br>estab-<br>lish-<br>ments | work-<br>ed<br>per<br>em-<br>ploy-<br>ee | full-<br>time<br>week- | earn-<br>ed<br>per<br>em-<br>ploy- | Un-<br>der<br>25<br>per<br>cent. | 25<br>and<br>un-<br>der<br>50<br>per<br>cent. | 50<br>and<br>un-<br>der<br>75<br>per<br>cent. | 75<br>and<br>un-<br>der<br>100<br>per<br>cent. | 100<br>per<br>cent. | Over<br>100<br>per<br>cent. |

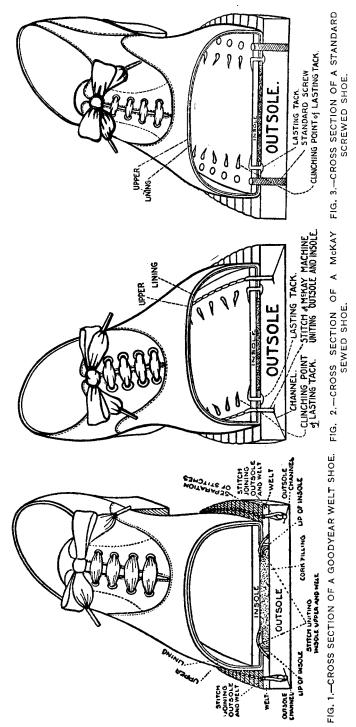
## FINISHING DEPARTMENT-Concluded.

| 1<br>2<br>3<br>4<br>5 | Treers or ironers, ma-<br>chine, male:<br>Massachusetts<br>Missouri<br>New Hampshire<br>Pennsylvania<br>Other States | 7<br>8<br>5<br>3<br>4 | 129<br>74<br>84<br>17<br>41 | 55.8 | 50. 9<br>54. 5<br>54. 1 | 14, 03<br>14, 14<br>16, 31 | \$13.07<br>12.79<br>13.99<br>16.28<br>15.77 | 1 | 5 | 12<br>2<br>2 | 71<br>41<br>20<br>7<br>36 | 44<br>15<br>29<br>3 | 2<br>10<br>33<br>7<br>1 |
|-----------------------|--|-----------------------|-----------------------------|------|-------------------------|----------------------------|---|---|---|--------------|---------------------------|---------------------|-------------------------|
|                       | Total  | 27                    | 345                         | 54.7 | 51.3                    | 14. 56                     | 13, 71                                      | 1 | 6 | 18           | 175                       | 92                  | 53                      |

## OTHER EMPLOYEES (ALL DEPARTMENTS).

|          | Male:                                   |            |        |       |       |         |         |      |          |         |       |        | ĺ       |
|----------|---|------------|--------|-------|-------|---------|---------|------|----------|---------|-------|--------|---------|
| 6        | Illinois                                | 4          | 887    | 54.3  | 48.5  | \$13.50 | \$12.24 | 15   | 28       | 64      | 353   | 370    | 57      |
| 7        | Maine.                                  | 5          | 806    | 58. 0 |       | 14. 23  |         | 17   | 34       | 78      | 285   |        |         |
| 8        | Massachusetts                           | 52         | 8,980  | 54. 2 | 48. 9 |         |         |      |          |         |       | 4,063  |         |
| 9        | Minnesota                               | 3          | 372    | 60.0  | 53. 4 |         | 12.90   | 100  | 6        | 15      | 136   | 207    | 015     |
| 1ŏ       | Missouri                                | 14         | 2,648  |       |       |         | 11. 52  |      | 69       | 156     |       | 8ii    | 245     |
| ii       | New Hampshire                           | îî         | 2,580  | 55.1  | 52.7  |         |         | 33   | 61       | 97      | 736   | 1,379  | 274     |
| 12       | New Jorgey                              | 3          | 231    | 55. 0 | 54.7  | 14, 25  |         |      | î        | i       |       | 101    | 62      |
| 13       | New Jersey<br>New York                  | 14         |        | 52.9  |       |         |         |      | 67       | 174     |       | 1,240  | 500     |
| 14       | Ohio                                    | 6          | 1,226  | 57. 1 | 49.6  | 11. 83  | 10. 36  |      | 42       | 149     |       | 271    | 79      |
| 15       | Pompaylyonia                            | , o        | 1,434  | 55.8  | E9. 0 | 11. 92  | 11.45   | 10   | 92       | 81      |       | 604    |         |
| 16       | Pennsylvania                            | 9          | 440    |       | 50.4  | 11. 43  | 10. 43  |      | 33<br>12 | 29      | 269   |        | 25      |
| 17       | Other States                            | 4          | 330    | 55. 4 | 50.0  | 12. 97  | 12. 27  |      | 9        | 10      |       | 153    | 13      |
| 1/       | Omer States                             | *          | 990    | 55. 4 | 30.9  | 12.97   | 12.21   | 9    | 9        | 10      | 192   | 100    | 13      |
|          | Total                                   | 129        | 22,887 | 54.9  | 50.2  | 13. 45  | 19 91   | 293  | 600      | 1 717   | 8,440 | 0 515  | 0.024   |
|          | 1 Otal                                  | 129        | 22,001 | 94. 9 | 30. 3 | 10. 40  | 12, 31  | 490  | 000      | 1, (11) | 0,440 | 9, 515 | 4, 234  |
|          | Female:                                 |            |        |       |       |         |         |      |          |         |       |        |         |
| 18       | Illinois                                | 4          | 447    | 54.5  | 47.7  | 9. 57   | 8.42    | 2    | 15       | 51      | 256   | 102    | 21      |
| 19       | Maine.                                  | 1 5        |        | 57. 9 | 52.9  | 10.59   |         | 13   | 23       | 48      |       |        |         |
| 20       | Massachusetts                           | <b>5</b> 2 | 5,698  | 53. 6 | 47.4  | 10.37   | 9. 13   |      | 231      | 601     |       | 2,489  | 85      |
| 21       | Minnesota                               | 3          | 213    | 54.0  | 49. 2 |         |         | "    | 1        | 3       | 97    | 105    | 85<br>7 |
| 22       | Missouri                                | 12         | 1,526  | 53.7  |       |         | 7.48    | 19   | 33       | 136     |       | 531    | 3       |
| 23       | New Hampshire                           | l ii       | 1,234  | 55.0  |       |         |         |      |          | 67      | 423   | 688    |         |
| 24       | New Hampshire<br>New Jersey<br>New York | 3          | 180    | 54.6  | 51.4  |         | 7.98    |      | 2        | 9       | 97    | 47     | 25      |
| 25       | New York                                | 14         | 1,713  |       | 47.5  | 10. 53  |         |      |          | 119     |       | 684    | 219     |
| 26       | Ohio                                    | 14<br>7    | 1,090  | 53.8  |       |         | 7.64    | 15   | 30       | 128     | 477   | 413    | 27      |
| 2.       | Ponneylyonio                            | ( 6        | 972    | 53. 4 | 50.3  | 7. 62   | 7.06    | 9    | 23       | 44      |       |        |         |
| 2.       | Pennsylvania<br>Wisconsin               | 9<br>4     | 413    |       | 49.4  | 7. 59   | 6.89    |      | 10       |         |       |        | 12      |
| 28<br>29 | Other States                            | 4          |        |       |       | 1. 09   | 0.09    | 4    | 10       |         | 145   |        | 12      |
| 29       | Other States                            | 4          | 254    | 55. 2 | 51.4  | 8.40    | 7.86    |      | б        | 13      | 138   | 94     | 3       |
|          | (Date)                                  | 100        | 14 001 |       | 40.4  | 0.05    | 0.50    | 1.55 |          | 3 004   | 5.050 | × 000  |         |
|          | Total                                   | 128        | 14,361 | 53.8  | 48.4  | 9.67    | 8.70    | 157  | 449      | 1,264   | 5,970 | 5,936  | 585     |
|          |   |            |        |       | i:    |         |         | L    |          |         | !     |        | l i     |

| ,   |   |  |  |  |  |   |  |  |   |   |                                    |  |                                    |  |  |  |
|---|---|--|--|--|--|---|--|--|---|---|------------------------------------|--|------------------------------------|--|--|--|
|   |   |  | En   | 1ploye   | es earn  | ing eac   | eh class   | sified a   | $_{ m mount}$   | durin   | g one v                            | veek.  |                                    |  |  |  |
| Un-<br>der<br>\$3.  | \$3<br>and<br>un-<br>der<br>\$4.                              | \$4<br>and<br>un-<br>der<br>\$5.                                 | \$5<br>and<br>un-<br>der<br>\$6.                                   | \$6<br>and<br>un-<br>der<br>\$7                                      | \$7<br>and<br>un-<br>der<br>\$8.   | \$8<br>and<br>un-<br>der<br>\$9.  | \$9<br>and<br>un-<br>der<br>\$10.                                  | \$10<br>and<br>un-<br>der<br>\$11.                                 | \$11<br>and<br>un-<br>der<br>\$12.                    | \$12<br>and<br>un-<br>der<br>\$14.                                      | \$14<br>and<br>un-<br>der<br>\$16. | \$16<br>and<br>un-<br>der<br>\$18.                     | \$18<br>and<br>un-<br>der<br>\$20. | \$20<br>and<br>un-<br>der<br>\$25.                                 | \$25<br>and<br>over.                   | Line<br>No.  |
| FINISHING DEPARTMENT—Concluded.                                       |   |  |  |  |  |   |  |  |   |   |                                    |  | `                                  |  |  |  |
| 2   | 1   | 2 1  | 2 4  | 3  | 9  | 6<br>4<br>1   | 9<br>1<br>1<br>1<br>9  | 9<br>7<br>4<br>1   | 6<br>12<br>6  | 32<br>13<br>29<br>1<br>5  | 20<br>8<br>32<br>3<br>4            | 13<br>13<br>11<br>6<br>4                               | 12<br>1<br>2<br>2                  | 6<br>6<br>3<br>14  |  | 1<br>2<br>3<br>4<br>5                                    |
| 2   | 1   | 3  | 6  | OTH  | 10   | 12<br>MIDI  | 21<br>OVE  | 21   | 25  | 80<br>TD A 127  | - 67                               | 47   | 17                                 | 29   |  |  |
|   | -   |  |  | OTH  | ER E   | WIFL  | <br>   | (A)  |   | PAR.  | WLET                               | (TS).  |                                    |  | ſ                                      |  |
| 25<br>29<br>174<br>1<br>76<br>58<br>3<br>37<br>37<br>39<br>13         | 14<br>129<br>1<br>40<br>28<br>2<br>34<br>36<br>20             | 16<br>*216<br>3<br>103<br>46<br>9<br>62<br>76<br>57<br>23        | 38<br>15<br>312<br>10<br>125<br>59<br>105<br>94<br>117<br>33<br>12 | 48<br>418<br>27<br>204<br>96<br>15<br>143<br>79<br>131<br>34         | 71<br>38<br>500<br>20<br>185<br>173<br>11<br>182<br>84<br>131<br>37          | 70<br>57<br>467<br>24<br>188<br>165<br>8<br>156<br>107<br>113<br>42<br>22 | 87<br>727<br>32<br>211<br>315<br>18<br>186<br>102<br>110           | 53<br>705<br>30<br>241<br>247<br>7<br>196<br>97<br>98<br>32        | 38<br>535<br>18<br>165<br>205<br>9<br>187<br>95<br>91 | 104   | 1,117<br>50                        | 55<br>706<br>23<br>203<br>153<br>22<br>298<br>80<br>70 | 66                                 | 57<br>82<br>619<br>27<br>110<br>100<br>23<br>263<br>32<br>68<br>16 | 10<br>76<br>55<br>18<br>107<br>9<br>76 | 7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15          |
| 501   | 336   | 652  | 929  | 1,254  | 1, 447   | 1,419   | 1,924  | 1,799  | 1,459   | 3,350   | 2,570                              | 1,717  | 1,435                              | 1,409  | 686                                    |  |
| 13<br>31<br>149<br>70<br>40<br>1<br>33<br>48<br>40<br>24<br>24<br>458 | 11<br>168<br>1<br>60<br>26<br>5<br>33<br>422<br>36<br>33<br>5 | 29<br>275<br>8<br>169<br>29<br>16<br>61<br>87<br>106<br>47<br>45 | 23<br>215<br>55<br>21<br>111<br>164<br>194<br>61<br>27             | 57<br>51<br>566<br>347<br>109<br>32<br>162<br>154<br>197<br>75<br>29 | 51<br>48<br>632<br>300<br>231<br>164<br>27<br>184<br>131<br>133<br>44<br>200 | 46<br>69<br>561<br>19<br>159<br>21<br>201<br>130<br>75<br>36<br>25        | 59<br>717<br>22<br>135<br>166<br>21<br>195<br>98<br>56<br>30<br>31 | 45<br>668<br>20<br>86<br>130<br>10<br>179<br>101<br>34<br>23<br>25 | 393<br>15<br>46<br>112<br>9<br>125<br>46<br>28<br>21  | 37<br>96<br>721<br>23<br>95<br>177<br>11<br>216<br>47<br>86<br>11<br>12 | 32                                 | 31<br>102<br>6<br>9<br>15<br>2<br>52<br>8<br>14<br>1   | 11<br>19<br>1<br>6                 | 3<br>4<br>45<br>2<br>3<br>9<br><br>18<br>1<br>2<br>1<br>1<br>1     | 5<br>2<br>5<br>1<br>3                  | 20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28<br>29 |



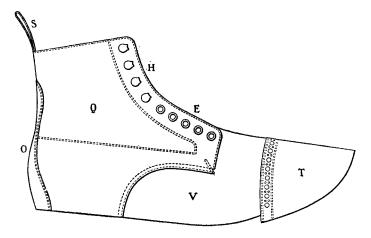


FIG. 4.--A BLUCHER SHOE.

Q, quarter; O, outside heel stay; S, strap; V, vamp; T, tip; H, hooks; E, eyelets.

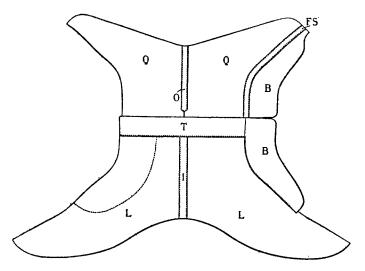


FIG. 5.—UPPER FOR WOMAN'S WHOLE VAMP BUTTON SHOE, HAVING STRAIGHT BUTTON FLY.

Q, Q, quarters; O, outside stay; L, L, lining; B, B, button fly; F, S, front stay for button fly; I, inside stay; T, top facing.



FIG. 6.-GOODYEAR WELT SHOE.

1, last; 2, upper; 3, insole; 4, shoe lasted; 5, welt partly sewed on; 6, welt entirely sewed on; 7, outsole; 8, outsole laid, channel lip turned up; 9, sole stitched on; 10, heel in place; 11, heel trimmed.

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# APPENDIX A.—DESCRIPTION OF OCCUPATIONS.

#### OUTLINE OF METHODS.

In the manufacture of shoes there are several methods of attaching the soles to the uppers, and shoes are designated as Welts McKays Turns, etc., according to the method used.

In a welt shoe a narrow strip of leather called a welt is stitched around the edge of the insole in such a manner as to fasten together the welt, upper, and insole. The stitches, however, do not extend entirely through the insole, and the inside of the sole is left perfectly smooth. The welt extends beyond the edge of the shoe, and to it the outsole is stitched.

In a McKay shoe, the outsole, upper, and insole are sewed together, without a welt, the stitches passing entirely through the insole, making a seam on the inside of the shoe. This seam is afterwards covered with a "sock lining."

In a turned shoe the sole is fastened to the upper wrong side out, and the shoe is afterward turned, whence the name.

In wood or metal fastened shoes, the soles are fastened to the uppers and insoles with wooden pegs, wire nails, or screws, instead of being sewed with thread.

The proportion of shoes manufactured by the different methods in 1914 is shown in the following table which is based on figures published by the United States Census Office. These figures do not include slippers.

PER CENT OF SHOES MANUFACTURED BY SPECIFIED METHODS, OF TOTAL SHOES MANUFACTURED, IN 1914.

|             | Welts.                    | McKays.                   | Turns.                | Wood or<br>metal<br>fastened. | Total.                          |
|-------------|---------------------------|---------------------------|-----------------------|-------------------------------|---------------------------------|
| Men's shoes | 65<br>19<br>35<br>16<br>6 | 15<br>59<br>45<br>58<br>6 | (1)<br>19<br>25<br>89 | 19<br>23<br>1<br>1            | 100<br>100<br>100<br>100<br>100 |
| All kinds   | 41                        | 37                        | 12                    | 10                            | 100                             |

<sup>&</sup>lt;sup>1</sup> Less than 1 per cent.

It will be seen that by far the larger per cent of shoes are Welts and McKays, the former being the leading class in men's shoes and the latter in boys,' women's, and children's shoes. Turn shoes are

necessarily light, with soles thin and of a good quality of leather in order that they may be turned without breaking or cracking the leather. They are worn almost exclusively by women and children. Fiber shoes are largely made by the turn method. The wood or metal sole-fastening method is used on cheap shoes, for men and boys' wear. Only 1 per cent of women's and children's shoes are made by this method.

The data in this report are from establishments whose principal or only products are Welts, McKays, Turns, and standard-screw or loose-nailed shoes, for men, women, and children. No data relating to pegged shoes or to specialties, such as slippers, leggings, felt boots, etc., are included.

A shoe factory usually has the following or corresponding departments: Cutting, sole leather, fitting or stitching, lasting, bottoming, finishing, and packing.

In the cutting department are cut the several parts of the uppers, the lining, and the trimmings. These parts pass to the fitting or stitching department, where they are sewed together, forming the whole upper.

In the sole-leather department the soles are cut, and heels, counters, and toe boxes made. Frequently these parts are bought readymade from factories making a specialty of such manufacture.

In the lasting department the upper, insole, counter, and box are assembled and fitted together on the shoe last. From this department the lasted shoe is sent to the bottoming department, where the welt (in welt shoes) is sewed on, the outer sole sewed on, the heel attached, and the heel and the edge of the sole are trimmed to shape and finished.

In the finishing department the shoe is smoothed with a hot iron, scratches are rubbed down, stains removed, and the shoe is given a final cleaning and inspection. In some factories this department, rather than the bottoming, includes the operations incident to the polishing of the edge and bottom of the soles. From this department the shoes go to the packing department, where they are boxed and cased for shipment.

A description of the occupations in a representative factory making welt shoes is given below, in, as far as possible, the order of manufacture. As several operations may be going on at the same time, it is not possible to give a strictly consecutive order. To illustrate, while the uppers are being cut, skived, and stitched in one part of the factory, the soles, counters, etc., are being prepared in another department.

The words "hand" or "machine" in connection with each occupation term indicates whether the employee works by hand or operates a machine. The list of occupations is understood to be complete for the one representative welt-shoe factory studied, but probably it does not include all occupations that may be found in other welt-shoe factories.

Following the descriptions of the occupations in the manufacture of welt shoes, are those of McKays, Turns, etc., as found in representative factories.

The occupations named in italic type are those for which data as to wages and hours of labor are given in the tables of this report. Following the descriptions of occupations charts are also presented showing the order and relation of the several occupations.

### WELT SHOES.

#### CUTTING DEPARTMENT.

Pattern Boys, Hand: For each vamp, top, foxing, etc., there must be a pattern, or die, and for each of these a different size, width, and style, and a right and a left. Pattern boys get out the patterns for each job of work, as shown by the order tag, and place them with the stock for each case to be cut. Dies for machine cutters are usually gotten out a few at a time, and delivered to the cutters as wanted, and those with which the cutters have finished are returned to the racks.

Vamp and Whole-Shoe Cutters, Hand: This occupation includes the men who cut by hand the entire top or upper outside of the shoe, or the men who cut the vamp and also possibly some of the other parts of the top. This term does not, however, include cutters of minor parts only. The vamp is the most important part of the upper and requires the greatest skill in cutting. It consists of the part or parts of the upper attached to the sole. The upper, according to the style of the shoe, may have other parts also, as quarters, tongue, tip, backstay, and foxing. The operator has a bench upon which he spreads the skin; he lays the pattern in the proper place and draws a knife along its edge, cutting the part to the desired shape. For each different part of the upper there is a separate pattern. Incidentally to the outside cutting care must be exercised in selecting like qualities and weights of stock for the same parts in a pair of shoes. These parts are tied up in packages, all of each style or size together. The size, etc., are marked on the outside piece of each package. These packages go next to the sorters.

Vamp and Whole-Shoe Cutters, Machine: The parts of the shoe described above are sometimes cut by machine instead of by patterns and a knife. The operators use dies operated by a power press. Different dies are required for each part of each style and size of shoe. The cutting board is similar to that used by the hand worker, but has a beam over it which can be swung either to the left or right and to any position over the board. The cutter places the die in the desired position on the leather, grasps the handle of the beam of the machine, and swings it over the die with a downward pressure. On the handle of the arm a clutch is placed in operation, which brings the beam downward, pressing the die through the leather. After the cut, the beam automatically returns to its full height, swings to the left or right out of the way of placing the next die, and remains there until the handle is pressed again.

Top Cutters, Hand: This occupation includes men who cut by hand only the top pieces of the shoe. These operators are employed only where the top is to be of a different material or grade of leather from that of the vamp or lower part of the shoe, and the matching of these parts will therefore not be necessary. The method employed in cutting is similar to that used by vamp and whole-shoe cutters, hand.

Top Cutters, Machine: These operators cut the same parts as stated for top cutters, hand. The method employed in cutting is similar to that used by vamp and wholeshoe cutters, machine.

Throaters, Hand: The throat of a vamp is the inside curved part. Vamps are sometimes cut and this part left to be trimmed out later. The cutting out of this part when done separately is known as throating. The operator uses a pattern and knife in a similar manner to that employed by cutters, vamp and whole shoe, hand.

Trimming Cutters, Hand: The remnants of upper leather from the cutters, vamp and whole shoe, are brought to these operators, who cut them into backstays, tongues, eyelet facings, etc. These are cut either in whole pieces or else in halves which are later stitched together. The operator spreads the remnants on a cutting block, places the die wherever he can cut a part, and strikes it with a maul. When the die is full of these cut parts they are removed and placed in boxes.

Upper Sorters, Hand: The sorters examine the vamps, uppers, tips, etc., to see that there are no spots, holes, or defects of any character that would spoil the finished shoe. Pieces of the same quality and color are matched so as to enter the same shoes, and thin or flabby pieces are marked to be doubled. These pieces go next to the casers.

Upper Casers, Hand: The casers count out the correct number of pieces for each case or lot, putting all pieces of each size together and in their order, as indicated by the tag for each case. These are now ready for the size painter or marker.

Cripple Cutters, Hand: This operator is a regular vamp and whole shoe cutter, hand, detailed to this work. The defective parts are returned to him and he cuts duplicate pieces to take their places.

Size Markers, Machine: The size and width are marked on each piece by means of small holes punched in the edge of the piece. The operator raises the arm of the machine by pressure on a foot lever. The pieces are placed one at a time under the arm and punched.

Upper Skivers, Machine: Skiving consists of cutting away, on the flesh side, the edge of each tip, vamp, foxing, top, etc., which shows in the completed shoe, so that the edge may be turned and pasted back, thus giving a finished rather than a raw edge, of the same thickness as the other parts of the leather. The machine used has a sharp-edged revolving disk so shaped as to cut the desired bevel or shoulder on the leather fed to it. Both men and women are employed in this occupation.

Lining Cutters, Hand: The hand cutter receives the cloth folded 8 to 12 thick. He lays the pattern on the cloth and draws a knife along the edge of the pattern, cutting through the several thicknesses of cloth.

Lining Cutters, Machine: The lining cloth comes to the cutter folded from 20 to 40 thick. It is put on the machine table, and the cutter places the die so as to cut the maximum number of pieces from the material. A foot lever is pressed, which releases a clutch, bringing the head of the machine onto the die, pressing it through the material. The head automatically returns to its original position.

Assemblers, Hand: As the operations on the several parts of the upper and lining are completed, these packages of cut parts are sent to the assembler, who arranges all packages for each job in a separate group. When all parts for a case of shoes are in, the material is ready for the stitching room.

## SOLE-LEATHER DEPARTMENT.

Outsole Cutters, Machine: The operator cuts the outsole from a side of leather by means of a die and a heavy descending power beam. The leather is laid upon the cutting table, the cutter places the die, and with his foot presses a lever, releasing the beam, which comes down upon the die with sufficient force to press it through the leather, after which it automatically returns to its original position. The operator sets the die so as to have as little waste leather as possible, and to have the same quality of leather throughout the sole.

Outsole Sorters and Graders, Hand: Outsole sorters examine the grain side of all soles and separate them according to quality with regard to durability, which depends on the texture and firmness of the leather. Grading is the separation made with regard to the thickness of the sole. This is done in order that shoes of the same class may all have soles of the same thickness. The soles are now placed in cases according to the above separations.

Outsole Skivers, Machine: The operator sets the machine to skive soles to any desired thickness, or "iron," an iron being one-forty-eighth of an inch. The soles are fed into the machine, where rolls carry them under a fixed knife, which shaves off the surplus leather from the flesh side, reducing them to an even thickness.

Outsole and Insole Rounders, Machine: The operator places a pattern of the desired size and shape into the machine. A sole is placed on this and clamped by means of the foot lever. A hand lever starts a little knife which travels around the edge of the pattern, trimming the sole to conform with it.

Insole and Tap Cutters, Machine: Insoles and taps are cut from the parts left by the outsole cutter, such as shoulders, bellies, shanks, etc., which are defective as to wearing qualities. These parts are sometimes split before cutting. The operation is the same as that of cutting outsoles.

Tap Skivers, Machine: This operation is similar to that of outsole skiving.

Outsole and Tap Cementers or Splicers, Machine: The soles and taps are each coated with cement by passing them under a cement-covered roller. They are next pressed together. This tap is used to increase the thickness of the sole, and only used where heavy soles are desired. It is on the inner side of the outsole.

Insole Sorters and Graders, Hand: This operation is similar to that of sorting and grading outsoles, except that there are not so many separations nor as much care needed.

Insole Skivers, Machine: This operation is similar to that of skiving outsoles.

Insole Stampers and Slashers, Machine: The insoles are placed in this machine one at a time. A slashing device makes two straight cuts on the flesh side of the insole, extending from each edge about one-third of the distance across the insole. This slash indicates the location for the heel and serves the channeler and welter as a guide for starting and ending these subsequent operations; the end of the welt is also trimmed to this line in the butting operation. During the slashing operation this machine also imprints the size number on the upper side of the insole, and if the union trade-mark of the workers is used, it is stamped on during the same operation.

Insole Channelers, Machine: The channeler of welt insoles places the edge of each sole into the channeling machine and guides it around the entire edge, beginning at the heel. The machine cuts a little horizontal slit in the edge of the insole, extending toward its center. It also cuts a small slit and channel in the surface back from the edge, extending diagonally toward the edge.

Insole and Outsole Channelers, Machine: Data for Welt insole channelers and for McKay and Turn outsole channelers are combined in the tables of this report under the term insole and outsole channelers, machine.

Insole-Lip Turners, Machine: The channel of the insole is held against a small bevel-shaped revolving wheel, which turns up the lip of the edge slit at a right angle from the insole, forming a shoulder to which, in later operations, the upper is lasted and the upper and the welt are sewed.

Insole-Lip Stitchers, Machine: The lips of low-grade insoles are usually reinforced with canvas to give them strength. The insole-lip stitcher, starting at the heel, turns up both of the lips, made by the insole channeler, at right angles from the insole, and stitches them together around the sole back to the heel. This double lip is now ready for the canvas reinforcement.

Insole Clothers-in, Hand: A long strip of gummed canvas about the width of the insole is pulled by hand through a tank of warm water and pasted to the prepared

insole. This canvas is clipped off the proper length for each insole, by use of hand shears.

Insole Reinforcers, Machine: The operator places the canvas-covered insole into a machine and guides it around the entire surface of the upturned lip. The machine presses the canvas securely to the insole and against the inner side only of the upturned lip. A trimming device cuts the canvas off even with the top of the lip.

Insole Gemmers, Machine: Gemming is a slightly different method of reinforcing insoles. The strip of gummed canvas is slightly wider than that used in the former process. In this process it covers the entire insole and is pressed down closely to the insole and both sides of the upturned lip. A trimming device cuts off the over-lapping canvas at the edge of the insole.

Heel-Lift Cutters, Machine: The lifts for building heels are cut from remnants of the low grades of leather or from strips of composition leatherboard. The operator places these parts on the bed of a machine and holds a die in position as the machine is operated. The descending head of the machine forces the die through the leather or board.

Heel-Lift Gougers, Machine: The forms of all heels where they fit against the shoe have concave surfaces. In order to form this hollow, two lifts for each heel are scooped out in the center. The operator feeds the lifts into the machine which gouges the center as it passes between two rollers and out on the opposite side of the machine.

Heel Builders, Hand: The operator places his fingers in paste before picking up each lift, as it is put in place on the gauge block, and by this means paste is spread on each part as the heel is built. When the heel reaches the desired height a tack is driven through the center with a hammer. Two gouged lifts are placed first in each heel in order to give the concave form to the part that fits against the shoe. The heels are placed on a board side by side and later put into a press where they remain until the paste is dry. A rand, as described below, is used on some heels instead of the gouged lifts

Rand Tackers, Machine: A rand is a narrow strip of leather made thin on one edge. It is used to tack around the edge of the heel (except at the breast) to give it a concave form where it joins the shoe. The operator holds the rand in place on the heel and guides it around under the nailing device of the machine. Gouged lifts, as described above, are used in some heels instead of this rand.

Heel Compressers, Machine: The heels are compressed in order to force the parts closer together, thereby increasing their wearing qualities. The operator places the heels, one at a time, into the carrier of the machine which conveys them to a mold the exact size of the heels. By means of heavy gearing each heel is subjected to great pressure. As the mold returns to its original position, the compressed heel is ejected from the opposite side of the machine.

Top-Lift Cutters, Machine: A top lift is the outer layer of leather on the heel next to the ground. It is cut from remnants of the best grades of sole leather. The operator spreads these remnants out over the bed of a die machine and places the die. The machine is operated by a foot lever which brings a beam down on the die, driving it through the leather. The beam then returns to its original position.

Top-Lift Sorters and Graders, Hand: Sorting is the separation into grades according to firmness and durability of the leather as to wearing quality. Grading is the separation made with regard to thickness. This is done in order that shoes of the same class will all have heels of the same height. The lifts are placed in cases according to the above separations.

Top-Lift Skivers, Machine: The operator sets the skiving machine to fit any desired lift thickness. The lifts are fed into the machine which shaves the surplus leather from the fiesh side and reduces them to one desired thickness. The operation of the machine is similar to that used in skiving outsoles.

Top-Lift Compressers, Machine: Top lifts are compressed in order to bring the fiber of the leather close together, thereby giving greater wear. The operator places the

lifts, one at a time, into the carrier of the machine which conveys it to the mold of the exact size of the lifts. By means of heavy gearing and a crank shaft, the mold is pressed upward until it meets the head of the machine, subjecting it to tremendous pressure. The mold now returns to its original position, ejecting the compressed top lift out of the opposite side of the machine. The machine is kept running until it is necessary to change the mold to another size. An imprint of the size number is stamped on each lift during this pressure.

#### STITCHING DEPARTMENT.

Checkers, Hand: The packages of vamps, tips, linings, etc., for each case of shoes are checked as they are received from the cutting department. This is done in order to be sure that there is a package of each designated part of the shoe, as required by the tag for each case.

Tip Punchers, Machine: Holes or other ornamental designs are punched in the tip or outer toe piece by means of dies. These dies are fastened into the arm of a machine which is controlled by a foot lever. The tips are placed in position on the machine, one at a time. The descending arm punches the desired pattern through the edge of the tip.

Vamp Markers (for tips), Machine: A mark on each side of the vamp indicates to the tip stitcher the point where the vamp and tip shall be united. The operator presses a foot lever which raises an arm of the machine to which are attached two steel pins. The vamps are placed under this arm one at a time. When the foot pressure is released, the arm drops, causing the steel points to mark the vamps. When once the machine is set, the difference in size is taken care of by a small lever on the side of the machine.

Cementers (for folding), Hand: The edges of all parts of the upper which are to be folded have already been skived. These parts are now spread on a table, each lapping over the last, with only the skived edge exposed. The cement is spread over these edges with a hand brush.

Folders, Hand: The cemented edges of the upper are folded over by the fingers of the left hand, which are followed closely by the head of the hammer controlled by the right hand. Parts that do not stick properly are pounded with the hammer.

Folders, Machine: The cemented edges of the upper are placed, one at a time, under the blunt-edge blade of the machine. Pressure on a foot lever causes the blade to drop down and under the edge of the machine, thus folding and sticking each cemented edge. A hammer is used to flatten parts that do not stick properly.

Doublers, Hand: The thin or flimsy vamps, tops, etc., are reinforced by pasting to them pieces of lining material, known as doublers; these have already been cut the same shape as the parts which are to be doubled. These doublers are covered with cement by means of a hand brush and are then stuck to the pieces to be reinforced.

Crimpers (Blucher vamp), Machine: Blucher vamps are creased at the instep in order that they will better fit the shape of the lasts. The vertical blade of the machine by which this work is done is so shaped as to give the vamps the form of the instep. This blade works up and down between two heated plates. The vamps are placed under the blade which draws them slowly down between the heated plates, thereby giving them the desired form.

Tip Stitchers, Machine: The tip is placed across the front end of the vamp at the points already marked on each side of the vamp. These parts are united with either a single or double needle machine. The tip lining is also held under and stitched with these parts.

Box-Toe Stitchers, Machine: The stiffening for the toe is placed under the tip lining and stitched to the vamp. The material used for this stiffening becomes quite hard, after being dampened by the assembler.

Heel-Seam Closers, Machine: To close the vamp at the heel it is folded inside out. The two ends are held together and against a guard which gives a semiform seam, when stitched. Another method of closing is to use a welt between the ends of the vamp. This gives a different finish to the shoe. The same machine is used with a welt attachment.

Seam Rubbers-Down, Machine: The heel seam of vamps is placed over the arm of a rubbing device. The hand rubbing iron (one end of which is attached to this device) is rubbed back and forth over the seam to flatten it before it is stayed.

Heel-Seam Stayers, Machine: A canvas tape is stitched over the heel-seam on the inside to give added strength. A double-needle machine is used which stitches both sides of this seam with one operation. The tape is fed automatically from a roll on the machine. The operation is continuous, the different pieces being held together by the tape and afterwards cut apart.

Vamp Inspectors, Hand: The completed vamp, or lower part of the shoe, is here examined for imperfect stitches either at the tip or heel seam.

Top Closers, Machine: The two parts of the top are placed together with the inside surface out. The two back edges are stitched together, beginning at the top. This machine can be changed at any time by the pressure of a foot lever so as to form a zigzag stitch over the parts which will be covered by the outside back stay. This zigzag stitch allows the edges to spread slightly, thus giving a flat, jointed seam instead of a ridge in the heel.

Eyelet-Row Markers, Hand: The eyelet row is a line of stitches up the front of each eyelet flap, just inside the line where the eyelets will be inserted. The pattern is placed along the edge of the upper, covering the location for the eyelets. The marker draws a pencil along the inside edge of this pattern, thus marking a line for the stitches.

Eyelet-Row Stitchers, Machine: This operator uses a single-needle machine in following the line already drawn near the edge of each eyelet flap, extending from the top of the upper to the vamp, often ending with a curve at the lower end. This row of stitches is for ornamental purposes only.

Hookers, Machine: On some men's and boys' shoes hooks instead of eyelets are placed in the upper part of the eyelet row. One side of the shoe at a time is held in the machine, which punches the hole, sets the hook, and automatically moves the upper along, setting each hook in turn. The hooks may all be set at uniform distances or the spacing may be irregular. These hooks are inserted at this time so that when the lining is stitched to the flaps it will cover the backs of the hooks.

Backstay Stitchers, Machine: The back of the shoe is usually strengthened by an additional strip or stay of leather running all or part of the way between the top and the sole of the shoe. The stay is sewed on over the back seam. This work is also called back stripping.

Lining Markers, Machine: All linings are stamped with the case number, size, and width. This marking not only serves to identify the shoe during the process of manufacture, but duplicates can be made at any time by reference to this number. The operator sets the stamp of the machine with the case number, etc. A foot pedal operates the stamping arm, which strikes alternatingly the inking pad and lining. The linings are held (a small quantity at a time) slightly folded in front of the machine; one piece at a time is allowed to fall under the stamping arm, each on top of the preceding. They are removed when the accumulation interferes with the stamping arm.

Lining Closers, with Heel Stay (Lining Makers), Machine: The two pieces of lining for each shoe are united at the heel with a canvas or leather stay, which is usually wider at the bottom than at the top. The lower part of this stay is not stitched, but is left loose for the easy insertion of the counter, and the adjustment of the parts around it.

Side-Facing Pasters (Lining Makers), Hand: The leather facings for the under side of each eyelet row are coated with cement by means of a hand brush. They are pasted to the lining, to which they are later stitched.

Side-Facing Stitchers (Lining Makers), Machines: The leather side facings which have been pasted to the lining are now stitched along the inside edge of the facings.

Top-Facing Stitchers (Lining Makers), Machines: The top band of leather, or ornamental cloth, is stitched to the lining across the entire top, along the lower edge of the band. The top band is fed automatically from a roll attached to the machine. The operator usually stitches one lining after the other to this band, and afterwards cuts them apart.

Lining Makers: The four preceding occupations are combined in the tables of this report under the term "Lining makers," by which term they are all known in some factories.

Top-Facing Embossers, Machine: The name or trade-mark of the manufacturer or retailer is embossed on the top facing of the shoe. The operator places each lining with the top facing attached under a stamping device which is operated by a foot lever.

Fitters (Top to Lining), Hand: The underside edge of each lining, at the side and top facings, is coated with cement by means of a hand brush. The linings are then fitted and stuck to the corresponding leather tops, to which they are afterwards stitched.

Closers-On, Machine: This operation consists of stitching the lining to the top of the upper, both of these parts having been made previously. The work is also called inseaming. This operation is not performed on all shoes. In some shops it is omitted entirely; in others the lining is pasted on to hold it to the top until the upper is top-stitched.

Top Stitchers, Machine: When the lining has been closed on to the top of the upper, it is folded inside of the upper covering the closing-on seam and passed to the top titcher who stitches, by machine, the edge of the folded-in seam. This operation is also called undertrimming. In some shops this top stitching is done without a previous closing-on, the lining being held in position or previously pasted.

Eyeletters, Machine: The eyeletter punches holes and sets the eyelets. Both sides of the upper are eyeletted at one time, the eyelets being placed directly opposite each other. This insures that the shoe will lace evenly. After setting the machine for the proper spacing, the operator places the shoe in position and starts the machine which sets and spaces the eyelets automatically.

Lacers, Machine: In order that the upper may be properly pulled over the last, it is necessary to lace each shoe. The operator places the upper on the machine with the five lower eyelets over a series of hooks which are arranged in a horizontal line. A long needle carries a thread through these hooks, thereby lacing it through the eyelets. A knot is tied, the string cut, and the upper pushed off the machine. This is all done automatically, the operator merely placing the upper on the machine.

Toe-Lining Stitchers, Machine: The two ends of the lining at the toe are placed one edge over the other, and stitched together, beginning at the top. The operator, when working on a lace shoe, also stitches the tongue to the vamp.

Vampers, Machine: The vamp is the part of the upper to which the sole is attached. Vamping is the process of sewing together the vamp or lower part of the shoe upper and the top part, known as the top or quarter. Pumps or slippers, having no tops or quarters, do not require vamping. Vamping is the most important and best-paid operation in the fitting room. The operator uses either a single or double-needle power vamp sewing machine. Either men or women may do this work. Women's shoes being light can be vamped by women, but men's shoes being heavier are usually vamped by men; however, in many plants making men's shoes there are female vampers.

Barrers, Machine: This operation consists in sewing several short rows of parallel cross or tying stitches for strengthening the shoe at the lower end of the eyelets or button fly next to the vamp, or at the blucher flap where it joins the vamp.

The following 10 occupations are found in connection with the manufacture of button shoes only, and take the place of certain of the preceding occupations which apply only to lace shoes.

Button-Fly Stay Pasters, Hand: A narrow strip of canvas tape is coated with cement with a brush. This stay is pasted near the outer edge of the fly where the button holes are to be cut, and prevents the buttons from tearing the holes.

Closers (Button Fly to Top), Machine: The fly and top which are to be closed are placed together with the wrong side out. This is now seamed with a single-needle machine. The parts are turned and the seam rubbed down before the stay next mentioned is stitched to this seam.

Button-Fly Seam Stayers, Machine: The seam of the button fly is stayed on the back with a narrow canvas tape, stitched with a double-needle machine, thus stitching both edges of the seam at one operation. A guide on the machine trails in the seam, spacing accurately the two rows of stitches. The tape is fed to the seam from a roll on the machine.

Fly-Facing Stitchers, Machine: The leather fly facing which has been pasted to the lining is now stitched along the inside edge.

Buttonhole Markers, Hand: A pattern with holes is placed over the button fly. A steel-pointed pencil is pushed through these holes, thus marking the location for each buttonhole.

Buttonhole Makers, Machine: The upper is received by the operator with the location of each buttonhole marked. The machine cuts and works the buttonhole automatically. The operator has only to hold the upper in position and press a finger lever for each buttonhole that is cut. The machine stops after working each hole.

Buttonhole Finishers, Machine: The cords used as a filling around each buttonhole (on the underside) as it is worked are not cut off, but are pulled along the edge of the button fly from one hole to the next. These cords are sewed to the under surface of the fly with a zigzag stitching machine using a curved needle which prevents the stitches from passing through and showing on the outside.

Button-Row Markers, Hand: The button fly of each shoe is pulled in position over the opposite part of the upper, to which the buttons will be fastened. A steel punch is pushed through the buttonholes, thus marking the location for each button. The buttonholes are used for locating the position of each button because if the buttonholes are spaced irregularly the buttons should be spaced in the same way.

Button Fasteners, Machine: The upper comes to the operator with the place marked for each button. These are fastened on the shoe by either thread or wire. The operator places the upper in position for the first button, starts the machine, and moves the upper by hand to the position marked for each successive button.

Buttoners, Hand: In order that the upper may be properly pulled over the last it is necessary to button each shoe, an ordinary hook being used for the purpose.

Checkers, Hand: The completed uppers are counted, checked with the tag for each case, and placed in piles to be taken to the lasting department.

#### LASTING DEPARTMENT. .

Upper Matchers, Hand: The packages of completed uppers from the stitching department, and the insoles and counters (counters in this plant are purchased already cut and moulded) from the sole-leather department, are matched and placed on racks ready for the lasts.

Last Pickers or Casers, Hand: The tag for each case of shoes is received by the last picker who selects from storage bins right and left lasts for each size required by the tag. These are placed in the rack, beginning with the largest sizes at the top of the rack.

Tackers (Insoles to lasts), Machine: The operator places the insole on the bottom of the last, and holds it against the nozzle end of the insole tacker which places tacks down the center of the insole, fastening it to the last. Five tacks are usually driven in each insole.

Assemblers, for Pulling-over Machine, Hand: The assembler, having received the last with the insole tacked on it, the counter, and the corresponding upper, which has come from the stitching department, wets the leather, shellacs the toe box or tip or both, places the toe box and counter between the lining and the upper, and then puts the last inside the upper. Having centered the upper on the last, he drives two tacks with the back of the pincers, one into the last through the heel seam, and the other through a bent-over edge of the upper into the heel seat, to hold the upper in place. In some factories an automatic tack-driving machine is used, but the occupation is essentially hand work.

Pullers-Over, Hand: The hand puller-over is his own assembler, which occupation is described above. With the parts assembled, he takes hand pincers and draws the upper over the last and insole, taking care that the upper keeps its proper position, and drives a tack at the toe and two on either side to hold the upper in position for the laster. In some factories the work done here is divided into two or more separate operations.

Pullers-Over, Machine: When shoes are pulled over by machine, they are first assembled and put over the last by the assembler. The machine puller-over places the shoe in the machine, the pincers of which grasp the leather at different points on each side of the shoe. The operator stands so that he can see when the upper is properly centered. He presses a foot lever closing the pincers, which draw the leather securely against the last. The machine stops at this point and the operator can start or stop it at will. The operator now examines the shoe to see whether all the parts have been evenly pulled over the last. Where a part has not been properly pulled over it can be adjusted to the desired point by levers. When satisfied that the shoe is properly adjusted, the operator presses a foot lever, the pincers move toward each other, drawing the leather around the last, and at the same time the machine automatically drives two tacks on each side and one at the top through the upper and insole into the last to hold the upper in position.

Side Lasters, Hand: Side lasters use hand pincers to pull the upper into place at the side or instep, drawing it tightly over the last and insole so that there are no wrinkles, and driving tacks with the back of the pincers to hold it in place. In some factories assembling and side lasting are done by the same operator.

Side Lasters, Machine: When side lasting is done by machine the operator uses a dismantled "consolidated hand-method laster." The toe and heel-lasting parts are taken off. The machine being used for sides only, the operator can adjust it specially for this work, thereby giving better side lasting than when it is used for the entire shoe. The operator holds the edge of the shoe so that the pincers of the machine grasp the upper and draw it evenly and closely about the last. Immediately following the pincers as fast as the upper is drawn into position a device on the machine drives tacks automatically through it into the last to hold it in place.

Bed-Machine Operators, Machine: The bed-machine operator places the shoe on the machine and by levers moves a series of wipers (friction pullers) which draw the upper over the edge of the insole at the toe and heel. Some factories designate this as toe and heel lasting. The shoe is placed with the sole up and the operator determines whether the shoe is properly lasted by placing his hand under the toe or heel. The wipers are kept in motion until the operator is satisfied that the upper has been wiped into the desired position. Under the welt system, the operator drives a tack through the upper and insole and partly into the last at one side and passes a fine wire from it around the drawn-in upper at the toe to the opposite side of the last where he drives another tack, around which he winds the wire. The wire holds the toe of the upper in position as drawn in over the last. (Under the McKay system, instead of the wire used on the toe, tacks are used). The upper at the heel is fastened by tacks driven in by hand. In case the shoe is lasted by the bed machine the side or instep has to be first lasted by hand with pincers or with the side-lasting machine.

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Inspectors (after pulling over), Hand: All shoes are examined to see that they are pulled over evenly, and that the tips are back the same distance and properly centered on the last.

Tack Pullers, Machine: After the upper has been lasted and set for a few hours, it is sufficiently shaped to the last, so that most of the tacks can be pulled, only enough being left to hold it in position. The lasted shoe is held against a tack-pulling device, which has a pair of vertical-moving plyers, extracting the tacks very quickly.

Toe Trimmers, Hand: The lasting of a shoe at the toe causes an accumulation of upper and lining at this point. This surplus is cut away with a knife, to permit of a better fitting of the welt.

#### BOTTOMING DEPARTMENT.

Goodyear Welters, Machine: The welt is a narrow strip of leather to which the outsole is to be stitched. It extends around the edge of the sole as far back as the breast of the heel. By one operation of the machine both the welt and the upper are sewed to the insole, the thread passing from the inside channel of the insole through the lip of the insole, the upper, and the welt. This method leaves the inside surface of the shoe perfectly smooth. The outsole is stitched to the welt in a later operation.

Inseam Trimmers and Tack Pullers, Hand: After the welt has been stitched to the upper and insole, the remaining lasting tacks are pulled by means of hand plyers, and the surplus upper and lining trimmed from around the entire bottom with a knife.

Cobblers, Hand: All imperfectly sewed welts or broken stitches are repaired by the cobbler.

Insole Tack Pullers, Machine: The tacks driven through the insole to hold it in place are removed by holding the bottom of the shoe against a machine having a revolving tack-pulling device.

Welt Beaters and Slashers, Machine: The welt as stitched to the shoe is irregular, To make it stand out evenly it is guided around the welt beater under a vibrating hammer, which flattens it out. Where the welt is curved around the toe, it is tight on the outer edge. As the operator reaches this part, he brings a slashing device into operation, which makes a series of little cuts diagonally around the outer edge of the welt, thus relieving the tension.

Shank Tackers, Machine: The shank piece is a strip of metal or other stiff material used to strengthen the sole in the arch. This is inserted on the insole at the shank. It is tacked in place by holding the shoe against a tacking device of the machine.

Welt Skivers (in shank), Machine: The ends of the welt on each side of the shoe at the heel are cut off square, and are of the same thickness as the other part. These ends are placed one at a time against the trimming knife of a machine, which skives it to a bevel, thus permitting a neat fit to the outsole when it is stitched.

Bottom Fillers, Hand: The depression in the fore part of the shoe, between the welt edges, is filled with a mixture of ground cork and rubber cement. This is placed in by hand, with the aid of a wood paddle. This filling-in is done to give an even surface on which to lay the outsole.

Bottom Cementers, Machine: Before laying the outsole the entire bottom of the shoe is coated with cement. To accomplish this, the operator holds it against the cement-covered roll of his machine.

. Outsole Cementers, Machine: Before placing the outsole on the shoe it is coated on the flesh side with cement by passing it under a cement-covered roller.

Sole Layers, Machine: The cement-covered outsole is placed on the shoe, and the shoe put on the spindle of the sole-laying machine. The rubber pad or mould of this machine presses the sole firmly against all parts of the shoe bottom and welt. While one shoe is under pressure the operator is preparing the other.

Heel-Seat Nailers, Machine: The heel seat is the heel end of the sole. The insole, the outsole, and the part of the upper between them are nailed together by machine.

Small nails are driven automatically through the parts and clinched on the inside of the shoe. The shoe is placed on a jack and the work of the operator is to guide it during the nailing.

Rough Rounders, Machine: This operation consists of trimming by machine the edge of the outsole and welt so that they will extend a uniform distance from the upper. It is the first operation on the edge of the sole in the Goodyear bottoming process. The machine also cuts an oblique channel in the outsole near the edge, in which the thread is embedded when the Goodyear sole stitching is done later.

Heel-Seat Trimmers, Machine: The rough rounder trims only the part of the sole to which the welt is attached. The remaining part around the heel is cut away by the heel-seat trimmer, by holding this part against the revolving knives of his machine, trimming it as indicated by a set guide on the machine.

Channel Turners, Machine: The channel in the outsole is held against a small bevel-shaped revolving wheel of a machine which turns the lip of the channel back toward the middle of the sole to permit the stitching of the sole to the welt, through the channel.

Goodyear Stitchers, Machine: The operator uses a Goodyear outsole lock-stitch machine to stitch the outsole to the welt. The seam is run in the channel in the outsole through both outsole and welt on the outside of the shoe. The stitches show on the upper surface of the welt and are covered later on the under surface of the sole by cementing down the lip of the channel.

Stitch Rubbers, Machine: The row of stitches in the channel of the outsole is flattened before the lip is cemented down. This is accomplished by holding the stitches against a small revolving wheel which fits into the channel.

Channel Cementers, Machine: The channel of the sole is coated with cement to hold the lip down, when it is returned to its place over the stitches. The open channel is passed along under the thin edge of a revolving, cement-covered brush. A continuous flow of cement is supplied to this brush from a tank above it.

Channel Layers or Turners-Down, Machine: The lip of the channel is turned down over the stitches to protect them from wear and to permit of a smooth finish to the surface of the sole. The bottom of the shoe with the upturned lip is held against the outer rough edge of the revolving wheel of the machine, which forces the lip smoothly back into place.

Shank Staplers, Machine: During the wear of a shoe there is an unusual strain at the end of the shank near the ball of the foot. To give additional strength at this point one or two tacks are driven through the outer edge of the sole and welt, thus preventing them from pulling apart. The operator places this part of the shoe under the driving device of the machine, and, by pressure on a foot lever the tack is driven and clinched with one operation.

Featherers or Welt Randers: The outside corner edges of the welt on some styles of shoes are trimmed or beveled off. This is known as feathering. The shoe is guided around the trimming knife of the machine which shaves a narrow feather edge from the outside corner of the welt, thus producing the desired effect.

Stitch Separators, Machine: To improve the appearance of the stitches around the edge of the shoe on top of the welt they are separated by indentations between them. The edge of the shoe is placed under a small notched wheel of the machine which makes the indentations as the shoe is guided around.

Stitch Wheelers, Machine: In one method of stitching the sole to the welt, the threads along the surface of the welt are drawn into the leather closely. This stitched surface is gone over in the same manner as that of stitch separating, except that a smaller wheel is used, therefore the indentations are closer together, and not so deep. This is known as wheeling.

Levelers, Machine: The operation of leveling to correct any unevenness in the bottom of the shoe is done with an automatic sole-leveling machine. The operator places the shoe on a jack or metal last, which he attaches to the machine, where it is securely held by a spindle and a toe rest. He presses a foot lever and the shoe passes automatically beneath a roll under heavy pressure. This roll moves with a vibrating motion over the middle of the sole of the shoe from the toe down to and into the shank and passes back again to the toe. The roll then cants to the right and repeats the operation on that side of the sole, returning to the toe as before. It then cants to the left, repeating the operation on that side, after which the shoe automatically drops forward and is relieved from the pressure. While one shoe is under pressure the operator is preparing another shoe.

Heeler's Helpers, Hand: While the heeler is placing the shoe on the jack, operating the machine, etc., a helper sticks the nails into the steel plate of the machine and coats the top lift with cement by the use of a hand brush. Some machines automatically feed the nails to the steel plate, and when they are used the helper places the heel in place, coats the top lift with cement by the use of a hand brush, and puts it into the carrier.

Heelers, Machine: The heels come to the heeler ready-made, except for the top lift or last layer of leather. The operator places the shoe on a jack (metal last), puts the heel in position, swings the nail plate into place over the heel where the nails are dropped into another plate over the heel. By operating a foot lever another part of the machine drives the nails down through the heel, the outsole, the upper folded between the outsole and the insole, and on through the insole, and clinches the nails back into the leather of the insole. The nails protrude slightly above the unfinished heel. The top lift, coated with cement, is then pressed down by the machine on the protruding nails. Some machines have an automatic nail-feeding device, which guides the nails by wire tubes to the nail sockets of the steel plate. When these machines are used the helper puts the heel in place and the top lift into the carrier of the machine. The operator drives the nails and places the top lift by operating a foot lever, accomplishing the same results as shown above.

Sluggers, Machine: The slugger operates a machine which drives small pieces of brass or other metal (wood pegs are used on some shoes to avoid scratching polished floors), called "slugs," into the top lift of the heel to protect it from wear. The operator adjusts the plate so as to place accurately the desired number of slugs, and the machine automatically cuts off and drives the slugs as they are drawn from a coil of wire.

Heel Trimmers or Shavers, Machine: The heel, when the shoe is received from the heeler, is rough and larger than the required size. The trimmer or shaver holds the shoe by hand in such a position that the heel comes in contact with a series of revolving knives on his machine, which cut away the heel to conform to the desired contour, as indicated by the top lift, which is of proper size when put on by the heeler. The machine has two sets of knives. With the first set the trimmer shaves that part of the heel from the top lift to the sole, then with the other set he trims the edge of the sole, taking care not to cut the upper.

Heel Breasters, Machine: The heel breaster operates a machine having a knife which cuts to shape and trims evenly the breast or front surface of the heel, cutting down to the outsole, but not cutting into it.

Edge Trimmers, Machine: The operator holds the edge of the sole against a machine having a series of revolving knives that trim the edge smooth and to the desired shape.

Jointers, Machine: The knife on the edge trimmer does not reach back quite to the heel, and that of the heel shaver also leaves this section of the sole untouched. This part is trimmed away evenly by the jointer, who holds it against the revolving knife of his machine. In some factories these operators are known as "Knifers-Up."

Edge Setters, Machine: The edge setter holds the edge of the sole against a machine having hot irons shaped to fit the edge of the sole, which irons vibrate rapidly and give a lasting polish to the edge.

Stitch Burnishers, Machine: The stitches around the edge of the sole have already been separated or wheeled. To be burnished they are first stained, or blacked by the use of a hand brush; then the stitches are traced in a manner similar to that used in separating, or wheeling, except that the wheel is heated by a gas flame attached to the machine, which gives a polish to the stitches.

Heel-Breast Scourers, Machine: The heel breast has a concave surface as well as being curved over the sole. The operator holds this part of the heel against a revolving cone-shaped disk of sandpaper, which enables him to smooth all parts of the surface.

Heel Scourers (first time), Machine: This operator holds the shoe by hand so the heel, trimmed but not yet smooth, comes in contact with rolls covered with sand-paper, which smooth the heel.

Heel Gummers, Hand: On some grades of shoes the heels are scoured twice. Between these operations the surface is dampened with a sponge with a gum solution. This wetting process is known as gumming.

Heel Scourers (second time), Machine: The second-time scouring of heels is the same as the first, except that a finer-grained sandpaper is used on the rolls. Data for first and second-time scourers are combined in the tables of this report under the term "heel scourers."

Heel Blackers, Hand: The surfaces of the heels are coated with a black solution with a brush.

Heel Burnishers, Machine: The final operation on the heel is burnishing. The operator holds the shoe with his hand in such position that the heel comes in contact with a wheel on the burnishing machine, which gives it a hard, smooth surface. Hot wax is carried to the heel by a small disk and applied by a series of rubbing blows which beat the wax thoroughly into the heel. A revolving brush on the same machine brings the heel to a perfectly smooth surface. In some factories these operators are known as "expediters" or "stoners."

Buffers, Machine: After the shoe has been bottomed the buffer removes stains from the sole and gives it a smooth, finished appearance by holding it against a revolving roll or wheel covered with sandpaper or emery paper. A small revolving cone-shaped disk of sandpaper, attached to the machine, enables the operator to scour the curve at the shank. This operation is sometimes known as bottom and shank scouring. These parts are later either stained or blacked, depending on the finish desired.

Top-Lift Scourers, Machine: The operator holds the bottom of the heel against the revolving sandpaper-covered rolls of the machine. This removes all stains and gives it a finished appearance. This part is later either stained or blacked, depending on the finish desired.

#### FINISHING DEPARTMENT.

Bottom Dusters and Gummers, Machine: To dust the shoe bottom it is held against the revolving bristle brush of the finishing shaft. This surface is then dampened with a gum solution, by the use of a sponge, and held again to the revolving brush, which gives it a slight gloss.

Bottom, Shank, or Toplift Blackers, Hand: The operator uses a small brush to black any part, or all, of the bottom surface of the shoe, depending on the style finish desired.

Bottom Polishers, Machine: The shoe bottoms are polished by holding them against the various revolving pads, rolls, and brushes of the finishing shaft. Wax is used on the sole, between some of the rubbing processes.

Edge Stripers, Hand: The bottoms of some shoes which are finished in the natural leather color are decorated around the edge of the bottom with a stripe of some

desired color. The striping device is filled with ink and guided around the edge of the sole by hand. A guard near the end of the striper keeps the point of the striper a constant distance from the edge.

Shank Burnishers, Hand: In order to produce a high-grade finish to the shank part of the bottom, the operator rubs a heated burnishing iron by hand over this surface, thus giving it a very durable polish.

Last Pullers, Hand: The last has remained in the shoe during all the processes since it was placed in the upper by the assembler in the lasting department. The lace strings are now cut or the shoe unbuttoned. The lasts are pulled by placing the shoe on the last stand, or jack, with the bottom up. The operator raises the heel part of the shoe off the last, using care not to break or crack the shank. The shoe is then gripped by the forepart and pulled, leaving the last on the jack. The shoe is now placed back on the shoe rack. The lasts are put into boxes and later thrown into their respective bins according to size and width.

Tack Inspectors, Hand: The nails driven through the insole to hold it to the last were drawn by the tack puller, but in some instances they are overlooked. The tack inspector locates these nails by placing his hands inside each shoe. They are then pulled by the use of hand pincers.

Stampers, Machine: The name or trade-mark of the manufacturer or retailer is sometimes stamped on the shank or forepart of the shoe. The impression is made by a gas-heated steel die. The shoe is placed bottom up on the jack of the machine. A foot lever starts the machine, which comes down with pressure, making an imprint on the shoe.

Treers, Hand: The treer places the shoe on a form, the shape of a last, supported on a frame. By pressing a foot lever the form is expanded so that the shoe fits tight over it. The tools of the treer are a hot iron, brush, cloth, etc. The treer brushes the shoe, cleans spots and discolorations, remedies any slight cut or blemish, and rubs the upper with a hot iron to take out wrinkles and produce a smooth surface. As females are engaged in this occupation to a considerable extent, data are shown for both sexes.

Tip Scourers (Patent Leather), Machine: The tips of patent-leather shoes which have been cracked or damaged during the processes of manufacture (usually during the lasting of the toe) are scoured before being repaired. This is accomplished by holding the damaged parts against a revolving canvas-covered wheel, which cleans off the enamel and gives a smooth surface.

Tip Repairers (Patent Leather), Hand: The tips which have been scoured are repaired by applying a specially prepared patent-leather liquid. This is applied with a rag or brush. The use of a rag is known as the finger method.

Russet Repairers, Hand: Any stains of grease or oil which have gathered during the processes of manufacture are removed by gasolene or other cleaning fluid. The original finish is given by applying "repairing" fluid. Various colors are used, depending on the finish of the shoe. Colored crayons are also used.

Dull-Shoe Repairers, Hand: The cut or nicked places are either cemented down or scoured off smooth with emery paper, and then touched up with crayons or liquid dressing.

Vamp Creasers, Machine: During the ordinary wear of a shoe creases are formed across the vamp where the foot is bent. Some shoes are creased in the making. The impressions made by the machine are regular, and cause the creases formed in wear to assume much more regular lines, thereby improving the appearance of the shoe and prolonging its wear. The operator places each shoe under the creasing device and presses a foot lever which causes it to make the impression on the vamp.

Shoe Dressers, Hand: Some grades of shoes are given a coat of liquid dressing as a last finish. This liquid is applied with a sponge. The shoes when dry show a bright glossy finish.

Stitch Cleaners, Machine: The wheeled or separated stitches around the upper edge of welt become soiled by passing through many hands. This part of the shoe being difficult to reach with an ordinary brush one specially devised for the purpose is used. The operator holds the edge of the shoe against the brush, which is attached to a rapidly revolving shaft. The stitches are cleaned and given the finishing polish.

Heel-Lining Pasters, Hand: The only nails which have been driven through the insole to remain in the finished shoe are at the lieel. These are hidden from view by a canvas or leather pad. This lining is coated with cement by the use of a brush and pasted over the nails. The operators are also known as heel-pad or heel-pin pasters.

Lacers, Hand: The laces for each shoe are run through the two lower holes by hand and tied so as to prevent their falling out.

Lumpers, Hand: "Lumper" is a term assigned to an employee who does odd jobs around the factory, such as getting out cartons, tracing missing shoes, etc.

#### PACKING DEPARTMENT.

Carton Labelers, Hand: The cartons into which the shoes are to be packed are labeled with a card on which is indicated a space for the size, width, price, etc., of each pair of shoes. These labels are coated with cement and pasted to each carton.

Stencilers, Hand: The cartons which have been labeled are to be stenciled with the style number, size, and width on each. They are marked with rubber stamps and an ink pad. The size, width, etc., are obtained from the tag which follows each case, or lot of shoes, through the factory.

Packers, Hand: Each pair of shoes is wrapped in thin paper and placed in the carton which has already been stenciled for it. As these cartons are filled they are placed into the wood shipping case, made the exact size to hold a specified number of cartons.

Box Nailers, Hand: The wood shipping cases which have been filled with the packed cartons are nailed by hand with a hammer. The box is now ready to be marked for shipment.

#### McKAY SHOES.

Descriptions are next given of occupations in a representative McKay shoe factory. A number of these occupations which are not found in the preceding list are due to the different organization in the factories and in the division of work, but the essential differences, however, as before stated, are confined to the manner of attaching the outsole to the upper and insole.

#### CUTTING DEPARTMENT.

Pattern Boys, Hand: Same as welt, page 135.

Vamp and Whole-Shoe Cutters, Hand: Same as welt, page 135.

Vamp and Whole-Shoe Cutters, Machine: Same as welt, page 135.

Top Cutters, Hand: Same as welt, page 135.

Top Cutters, Machine: Same as welt, page 136.

Upper Sorters and Casers, Hand: Same as upper sorters and upper casers, welt, page 136. The two operations are performed by one person in this factory.

Trimming Cutters, Hand: Same as welt, page 136.

Trimming Casers, Hand: Tongues, back stays, etc., are stored in boxes or bins, each containing one size. The operator selects from these bins a sufficient number for each case, according to the order tag. They are tied in bundles to keep them in order.

Cripple Cutters, Hand: Same as welt, page 136.

Size Painters, Hand: On the outside piece of each bundle is marked the size. The operator paints across the edge of each bundle (thereby staining the edge of each piece), using a hand brush with various colors, each color denoting a size, according to the code existing in the factory. Example: One red stripe indicates size 7, two red stripes,  $7\frac{1}{2}$ ; one green stripe, 8; two green stripes,  $8\frac{1}{2}$ , etc. This occupation corresponds to size markers, welt, page 136.

Upper Skivers, Machine: Same as welt, page 136.

Edge Stainers or Blackers, Hand: The color of leather is not uniform throughout its thickness, therefore all raw edges which show in the finished shoe are stained the color of the surface of the leather. The operator with the use of a hand brush stains the designated edges or parts, by painting the edge surface of the tied bundles. The edges of the packages of perforated tips are dipped into buckets of stain in order to color the inside edges of the holes.

Lining Cutters, Machine: Same as welt, page 136.

Lining Casers, Hand: Linings are stored in cases, each section containing one size of a designated style. Selections are made from these cases and arranged according to the order tag; the linings for each case of shoes are tied in a separate bundle.

Checkers, Hand: Same as assemblers, welt, page 136. In this establishment the checking is done in the cutting department before the packages are sent to the stitching department. In the factory for which the operations on a welt shoe are shown, the assembled material is rechecked after the packages have been received by the stitching department.

#### SOLE-LEATHER DEPARTMENT.

Outsole Cutters, Machine: Same as welt, page 136.

Outsole Sorters, Hand: Same as welt, page 137.

Outsole Buffers, Machine: All soles must be smooth and free from imperfections, otherwise they are only good for the inside of a double sole. Those with wrinkles, spots, cracks, etc., are smoothed by holding them against revolving sandpaper-covered rolls.

Outsole Gummers and Polishers, Machine: Outsoles which have been buffed, and consequently have lost the natural finish of the leather, must have some of this finish restored. The operator applies the gum (a thick polishing paste) by hand with the aid of a sponge. The sole is then held against the revolving bristle brush until lustre is restored.

Outsole Graders and Skivers, Machine: With a grading and skiving machine soles are skived without previous grading by hand. The operator feeds the soles into the machine, which automatically finds the thinnest part by means of several metal fingers. These fingers set the skiving knife, for each sole as it is fed into the machine, and the entire sole is skived uniformly to the thinnest part. As each sole leaves the machine, the thickness in irons (one-forty-eighth of an inch) is automatically printed on the heel end of the sole with a steel stamp. The operator feeds the soles into the machine with one hand and with the other arranges them (as they come out) in a near-by rack according to thickness, as indicated by the number of irons printed on the heel. When the grading is done by hand the skiving is done in the same manner as is shown under "Outsole skivers, machine," page 137.

Outsole Casers, Hand: The caser receives a tag on which appears a memorandum of the order. This shows the number of pairs by sizes, and the shape, quality and thickness (in irons) of the soles to be used. These soles are selected from storage bins, rights and lefts of each size are placed together, and in order, by sizes. All soles for each case of shoes are tied in one package.

Tap and Sole Wetters, Hand: In order to get the soles and taps into condition, so that they will work easily and not crack when sewed or nailed, these parts are placed into a tank of water for a short while and then set aside to drain in an air-tight closet, or are

covered with burlap, where they remain about 12 hours. This process is also known as mulling or tempering.

Outsole Compressors, Machine: Soles are compressed in order to bring the fibers of the leather close together, thereby giving greater wear. The operator feeds them into the machine one at a time, where they are subjected to great pressure as they pass between the heavy rolls.

"Offal" Rollers, Machine: "Offal" is the term used for the parts of the hide left by the outsole cutter, such as shoulders, shanks, bellies, etc. These pieces are rolled to make the leather firm and to flatten the wrinkles so that it can more easily be cut. The roller of the machine is attached to the end of an arm, which moves back and forth over the bed of the machine without touching it. The operator places the pieces of "offal" one at a time under the moving arm; foot pressure on a pedal raises the bed of the machine against the moving roller with the piece of "offal" between. The amount of pressure is regulated by the energy of the operator placed on the foot pedal. Sometimes a machine is used into which the operator feeds the "offal," one piece at a time. The pieces pass between heavy rolls, where they are subjected to great pressure.

"Offal" Skivers, Machine: The blade of the machine is set so as to skive the entire piece of leather to a uniform thickness. The operator places one piece at a time into the machine. The fluted rolls carry the leather under a long knife which is set to skive at the desired thickness.

Skiving Sorters, Hand: The skivings are the shavings which have been trimmed from the thick or uneven pieces. The sorter throws these pieces into bags, each designated for some particular grade or quality. This material is used for insoles, heel lifts, etc. The very thin parts are ground into pulp and made into leatherboard.

Tap Cutters, Machine: Same as welt, page 137.

Tap Sorters, Hand: The sorting of taps is similar to that of outsoles, except that they are not separated into as many grades.

Tap Graders and Skivers, Machine: The grading and skiving of taps is similar to that of outsoles.

Tap Casers, Hand: The casing of taps is similar to that of outsoles.

Tap Butters, Machine: In order to form a smooth and practically invisible joint between the ends of the tap and shank welt where they meet, these parts are both skived on the same bevel at their junction. The operator feeds one at a time into the machine. They pass under a knife which trims them to the desired bevel.

Outsole and Tap Cementers, Machine: Same as welt, page 137.

Outsole and Tap Tackers, Machine: Tacking the tap and outsole together accomplishes the same purpose as that of cementing them. The operator places the two parts together with their edges even and holds them against the tacking device of a machine which drives small staples through the parts to hold them in place until stitched. The machine automatically cuts and forms the staples from a coil of wire mounted upon it.

Outsole and Insole Rounders, Machine: Same as welt, page 137.

Outsole Channelers, Machine: Outsoles for the McKay shoes are channeled along the surface edge with a slanting cut towards the center. In a later process the stitches of the McKay sewer pass through the sole from the bottom of this channel and through the insole, uniting the two with the upper between them. This channel protects the stitches from wear by having them below the surface and permits of a smooth finish to the sole. The operator places the edge of the sole into the machine and guides it around as it is channeled. In the tables of this report data relating to this occupation are combined with those relating to welt insole channelers and turn outsole channelers, under the term "Insole and outsole channelers."

Sole Fleshers (at heel), Machine: The sole is fleshed at the heel in order to remove the rough surface at this point. This smooth surface enables the heel trimmer to give a better finish to his work. The operator places the sole on the bed of his machine.

The trimming knife on the machine glides over the heel surface and trims off a thin skiving.

Shank-Welt Cutters, Machine: The shank welt is a narrow strip of leather, which is fastened to each edge of the sole at the shank and fills the outer edges of the space between the end of the tap and the heel. The shank piece is later tacked between these welts. These parts are cut from small remnants of leather. The operator spreads these remnants on the bed of his machine and places the die wherever one can be cut. The machine is operated by a foot lever in the same manner as the machine for cutting outsoles.

Shank-Welt Tackers, Machine: The operator places the shank welt with the beveled end against that of the tap, and the edge even with that of the sole. These parts are held against the tacking device of the machine which drives nails to hold them in position until they are stitched. The shank welt with the tap forms a continuous strip of leather around the surface edge of the sole. These parts serve not only to increase the thickness, but give the McKay sole the appearance of a welt. The machine automatically cuts the nails (as they are driven) from the end of a narrow band of flat steel, coiled on the machine. The width of this band determines the length of the nail.

Toe Gougers (for toe plaits), Machine: When the shoe is lasted a surplus amount of the upper is pulled over at the toe. In order to make room for part of this surplus on the top side of the double sole, the tap is gouged out at this point. The operator holds the tap side against a revolving knife of his machine which trims out a small space near the toe end of the double sole.

Shank Tacker, Machine: Same as welt, page 144.

Outsole and Insole Molders, Machine: Soles are molded in order that they will better fit the shape of the last. The operator places them into the mold of the machine one at a time. While one sole is being held under pressure the operator is placing the other. The soles are dampened with water before placing them into the mold so as better to attain and hold the new shape.

Outsole or Tap Paraffiners, Hand: The upper side of each outsole or tap which will fit next to the insole is given a coat of melted paraffin, by means of a hand brush. This coat of paraffin prevents the well-known squeaking sound of some shoes. This is caused by the parts rubbing together.

Channel Turners, Machine: Same as welt, page 145.

Fairstitchers, Machine: The operator holds the double soles, or those with the tap and shank pieces attached, into the fairstitching machine, and guides them around the entire edge. A device on the machine keeps the seam at the proper distance from the edge. These stitches hold the pieces firmly in place. They show on the upper edge of the sole and give the appearance of the welt-sole stitching process.

Inspectors, Hand: The soles are inspected for any defects in the operations in this department. Imperfect work is returned for correction to the operator responsible for it.

Insole Cutters, Machine: Same as welt, page 137.

Insole Sorters, Hand: The sorting of insoles is similar to that of outsoles, except that they are not separated into as many grades.

Insole Graders and Skivers, Machine: The grading and skiving of insoles is similar to that of outsoles.

Insole-Doubler Cutters, Machine: Doublers used to reinforce thin or defective insoles are cut from canvas or composition leatherboard. The canvas material comes to the operator folded from 18 to 24 pieces thick. The leatherboard comes in sheets about 40 inches square. Several of these (depending on thickness) are clamped together to be cut. The operator places either of these materials on the bed of the

machine, and places the die so as to cut the maximum amount from the material. Pressure on a foot lever brings the head of the machine down on the die, driving it through the material. The beam then returns to its original position.

Insole Doublers, Hand: This is usually team work; one operator applies the cement to the insole by hand with a brush and passes it to her partner, who sticks it to the doubler. These doubled soles are placed in piles ready for the press. McKay insoles are not channeled, and the reinforcement is pasted flat to the surface instead of to the sides of an upturned lip as in the welt shoe.

Insole Pressers, Machine: The piles of reinforced insoles are placed in presses which are screwed down by hand. They remain there until dry.

Insole Casers, Hand: Casing of insoles is similar to that of outsoles.

Box-Toe Cutters, Machine: The material for use as box-toe stiffening is of a canvas texture, and is purchased of firms that make a specialty of its manufacture. This material is pulled across the bed of the machine, from 4 to 16 pieces at a time being cut, depending on the thickness. The method of operating the machine is similar to that used in cutting linings.

"Heeling" Trimmers, Hand: By the term "heeling" is meant the small pieces of sole leather which remain after the soles and taps have been cut. Some of these pieces have narrow or irregular ends, too small for use. These ends are trimmed off with a hatchet by hand, and go into the waste, which is ground into pulp, and manufactured into leatherboard. The usable parts are thrown to the sorters.

"Heeling" Sorters, Hand: The "heeling" which has been trimmed is passed to the sorter, who arranges it into grades depending on the size and the quality of the pieces. The best quality is used for the top lifts; the other is used for shank welts, shank pieces and heel lifts.

"Heeling" Graders, Hand: The pieces of "heeling" which have been trimmed and sorted are next separated into grades depending upon thickness. The operator inserts each piece about which she is in doubt into the grading iron to determine the number of irons of thickness. Experienced operators become skilled in their judgment and use the eye almost exclusively.

"Heeling" Skivers, Machine: Each grade of "heeling" which has been separated is next skived to reduce all parts of each piece to an even thickness. The pieces are fed into the machine one at a time. The machine is adjusted by set screws for each particular grade that is skived.

Heel-Lift Cutters, Hand: The drop dies of various sizes are mounted on the operator's bench with the cutting edges up. Each die is open at the bottom and fastened over a hole in the bench. An open bag is attached to the under side of each of these holes. The operator places the pieces of "heeling," one at a time, on whatever die he judges will cut to best advantage. The piece is hit with a wooden maul, which cuts out a heel lift the size of the die. Each lift as it is cut falls through the die into the bag beneath it. Some of the dies cut only quarter and half-heel lifts, which later are placed together in the heel to form an entire lift.

Heel-Lift Cutters, Machine: Pieces of leather board to be cut into heel lifts are clamped together before cutting. These pieces are cut in a similar manner to that used in cutting insole doublers from leatherboard. Another method of cutting leatherboard into heel lifts is by the use of the automatic "dinker." The pieces of leatherboard about 40 inches square are guided into the machine one thickness at a time. As the board is guided along, a revolving shear trims off a strip just the width of the desired heel lifts; as this strip is being trimmed off fluted rolls carry it under a cutting block. The die attached to the machine comes up and cuts through the material. As each lift is cut the die drops and the strip of leatherboard is moved forward by the fluted rolls, just the correct distance for a lift. The die automatically moves up and down when the machine is once started. The operator guides the

sheet of leatherboard across the machine repeatedly until the entire board has been cut into lifts.

Heel-Lift Gougers, Machine: Same as welt, page 138.

Heel Builders, Machine: The operator places the cut heel lifts, one at a time, into the mold of the machine and applies a coat of paste to each layer as it is placed in the mold. When the heel has been built to the correct height a foot pedal is pressed which closes the sides of the mold tightly and drives a nail through the pieces to hold them in place. The nails are inserted in the bottom of the mold before the heel is built. By the use of some machines the operator cuts the lifts and builds the heel at the same time. The mold of the machine is in the form of a die with the cutting edge up. The pieces of "heeling" are placed on the sharp edges of this mold. Pressure on a foot lever causes a plunger to force the leather into the mold, thereby cutting and placing the heel lift with one operation. Each lift is coated with glue by the use of a hand brush after it is in the mold. The completed heels drop out of the bottom of the mold.

Rand Tackers, Machine: Same as welt, page 138.

Top-Lift Cutters, Machine: Same as welt, page 138.

Top-Lift Sorters, Hand: The sorting of the top-lifts is similar to that of outsoles except that they are not separated into as many grades.

Top-Lift Graders, Hand: The top-lift graders separate the pieces into groups according to their approximate thickness preparatory to being skived. This is done in order that shoes of the same class will have heels of the same height. The degree of thickness (number of irons) is determined by inserting each piece into the opening of the grading iron, which is graduated in width. The number of irons are indicated along the edge of this opening. Experienced operators become skilled in their judgment, and seldom use the grading iron.

Top-Lift Skivers, Machine: Same as welt, page 138.

Top-Lift Compressers, Machine: Same as welt, page 138.

Fiberboard-Edge Trimmers, Machine: Fiberboard which is to be made into counters, to stiffen the shoe at the heel, comes from the manufacturer in pieces about one yard square. The edges of these pieces are uneven. In order to get a straightedge before they are cut into strips the operator feeds them into his machine, between fluted rolls which draw them under a revolving knife at one end of the rolls. The trimmed pieces drop to a truck on the opposite side of the machine.

Fiberboard Strippers, Machine: The stripper feeds a sheet of fiberboard into his machine which trims off a strip the proper width for the desired counter. This operation is repeated until the entire sheet is cut into strips.

Counter Cutters, Machine: The operator feeds the strips of fiberboard which have been cut the proper width into his machine, which cuts them into pieces of the correct length for each counter. As each piece is being cut, a knife on the machine also bevels off the upper edge and both ends of the counter.

Counter Stackers (for end skivers), Hand: As the counters are cut they drop into a box near the machines. They are then arranged into piles with all of the beveled edges in one direction. They are now ready to be placed into the edge-skiving machine.

Counter-End Skivers, Machine: The piles of cut counters which have been stacked are placed by the operator into his machine, which automatically pushes them forward. One at a time is forced into position and held there while knives skive off both ends. As each is skived it passes out of the machine and another automatically takes its place.

Counter-Edge Skivers, Machine: The counters are skived in order that the edges will fit closely where placed in position between the lining and upper. The operator feeds them into his machine, end first, and the rolls of the machine carry them over a knife which skives off the top edge as it passes along.

Counter Temperers, Hand: In order to render the counters more flexible and more easily molded, they are placed in wire baskets, and dipped into a tank of water, then set aside to drain.

Counter Rollers, Machine: The operator feeds the counters into his machine, end first. They pass between rolls which bend them into a curved shape. This enables the molder to place them into the mold easily. The rolls of this machine are kept waxed, so that the counters are also given a waxed finish during the rolling process.

Counter Molders, Machine: The operator places the curved counter into the mold of his machine. A small part of the entire bottom edge of the counter projects outside of the mold. By pressure on a foot pedal, a device on the machine bends in, at right angle, first the sides and then the back of this projecting edge, thus molding it into the shape of the heel.

Counter Sorters and Packers, Hand: The counters which have been molded are sorted for imperfect ones and packed into boxes according to style, grade, and size. These boxes are then placed in storage racks.

#### STITCHING DEPARTMENT.

Tip Punchers, Machine: Same as welt, page 139.

Tip, Vamp, Foxing, etc., Perforators, Machine: The perforating of tips, vamps, etc., is for decorative purposes only. The results accomplished are the same as those of punching the tips. The perforator is operated much like an ordinary sewing machine. The vertical-moving die punches holes through the material as it passes along. The presser foot of the machine automatically moves it the correct distance for the spacing of each hole. At the curves this spacing is controlled by a lever. The operator guides each piece into the machine, on top of a moving band of paper which aids in making a clean perforation. The holes may all be of the same size or a combination of sizes and may be made around the edge of any shaped material.

Vamp Markers (for tips), Machine: Same as welt, page 139.

Cementers (for folding), Hand: Same as welt, page 139.

Cementers (for folding), Machine: When cementing is done by machine, the operator places the skived edge which is to be cemented into the feed roll of the machine. This carries it over a small cement-covered roll, which revolves in a tank of cement.

Folders, Machine: The operator feeds the cemented edge of the vamps, or other parts to be folded, into the machine. A small vibrating foot and hammer folds this edge and pounds it down tightly at the same time. This machine can be used on curves

Doublers, Machine: The thin vamps, tops, etc., are reinforced and made thicker by pasting to each a piece of canvas, known as a doubler, which has already been cut the same size as the piece of leather to which it is to be pasted. In order to cover the doubler with cement, the operator presses it against a cement-covered roll, which revolves in a tank of this liquid, after which it is immediately stuck to the leather. The employees who do this work are called doublers.

Vamp-Extension Seamers, Machine: A vamp extension is a toe piece of felt or stiff leather which is stitched to the end of a cut-off vamp under where the tip will be placed. To obviate the necessity of skiving and lapping, the operator butts the two edges together and holds them in place on the machine while they are united with zigzag stitches across the open seam.

Crimpers (blucher vamp), Machine: Same as welt, page 139.

Tip Stitchers, Machine: Same as welt, page 139.

Box-Toe Stitchers, Machine: Same as welt, page 139.

Box-Toe Staplers, Machine: In some styles of shoes the stiffening for the toe is held in place by staples instead of stitches. These staples are formed automatically, as they are driven, from a coil of wire on the machine. The operator holds the piece of stiffening to the end of the vamp under the tip and pressure on a foot lever forms and drives each staple.

Tongue Stitchers (to blucher vamp), Machine: The blucher vamp differs from others by extending up over the instep and to which is attached the tongue. The quarters are extended forward and are laced across this extended vamp and tongue. To stitch the tongue to this vamp, the operator places it under the instep end of the vamp and holds the pieces together while they are being stitched.

Fixing and Vamp Seamers or Closers, Machine: The foxings are the two pieces of upper leather below the top in the rear of a circular vamp, extending back and uniting at the heel. To close a foxing to the vamp the operator places the two parts together inside out with their ends even. A guide on the machine regulates the width of the seam as the two parts are stitched together.

Seam Rubbers-Down, Machine: Same as welt, page 140.

Heel-Seam Closers, Machine: Same as welt, page 139.

Heel-Seam Stayers, Machine: Same as welt, page 140.

Top Seamers, Machine: Same as top closers, welt, page 140.

Eyelet-Row Markers, Hand: Same as welt, page 140.

Eyelet-Row Stitchers, Machine: Same as welt, page 140.

Hookers, Machine: Same as welt, page 140.

Backstay Stitchers, Machine: Same as welt, page 140.

Lining Stencilers, Machine: Same as lining markers, welt, page 140.

Lining Closers (with heel stay), Machine: Same as welt, page 140.

Eyelet-Facing Stitchers (to Lining), Machine: Same as side-facing stitchers, welt, page 140. The parts are held in place without having been previously pasted.

Top-Facing Stitchers (to Linings), Machine: Same as welt, page 141.

Top Stitchers, Machine: Same as welt, page 141. The parts are held in place without previous pasting or stitching.

Eyeletters, Machine: Same as welt, page 141.

Lacers, Machine: Same as welt, page 141.

Toe-Lining Stitchers, Machine: Same as welt, page 141.

Vampers, Machine: Same as welt, page 141.

Barrers, Machine: Same as welt, page 141.

Upper Tiers, Machine: When the uppers for a case of shoes are completed they are tied in a bundle to be sent to the lasting department. The operator folds each upper flat and piles them with the creases alternately back and front one on top of the other in the rack of an upper press. When all for a case are in, he presses a foot lever which forces them down tightly together. A strap is then placed around the bundle to hold them in place until they reach the lasting department.

The following 10 occupations are found in connection with the manufacture of button shoes only, and take the place of certain of the preceding occupations which apply only to lace shoes.

Tape Stitchers (to button fly), Machine: To prevent the tearing out of the buttonholes a stay is stitched by machine along the edge of the fly, where the buttonholes will be cut. On some shoes this stay is pasted in by hand.

Button-Fly Closers (to top), Machine: Same as welt, page 142.

Button-Fly Seam Stayers, Machine: Same as welt, page 142.

Fly-Facing Stitchers, Machine: Same as welt, page 142.

Buttonhole Markers, Hand: Same as welt, page 142.

Buttonhole Makers, Machine: Same as welt, page 142.

Buttonhole Finishers, Machine: Same as welt, page 142.

Button-Row Markers, Hand: Same as welt, page 142.

Button Fasteners, Machine: Same as welt, page 142.

Buttoners, Hand: Same as welt, page 142.

Checkers, Hand: The material for each case of shoes is checked before leaving this department, to ascertain if it is complete. If any parts are missing they are looked. up. Each case is expected to be complete before it is sent to another department.

#### LASTING DEPARTMENT.

Upper Matchers, Hand: The uppers from the stitch room and the counters and insoles from the sole-leather department are matched by the tag on each package. These are placed on a rack ready for the last pickers.

Last Pickers, Hand: Same as welt, page 142.

Tackers (Insoles to Lasts), Hand: The operator holds the proper insole to each last and fastens it by driving two tacks through it into the last. These tacks are driven by hand with the hammer.

Last Chalkers, Hand: The toe and heel of each last is painted with a chalky preparation to prevent the upper from sticking to the last and tearing the lining.

Upper and Counter Sizers, Hand: Each upper is placed with the corresponding last by size, and right and left. Each counter is placed in the compartment opposite the corresponding size last. The operators who do this work are known as upper and counter sizers. They are sometimes called counter and upper "Casers-up."

Box-Toe Wetters, Hand: When a certain kind of stiffening is used in a box toe, the toe of the shoe is dipped into water in order to soften this stiffening material, thus preventing it from being cracked or broken when the shoe is pulled-over.

Box-Toe Shellackers, Hand: The toe box or tip is coated with a clay gum or shellac preparation, thus causing it to become more stiff when dry. This preparation is applied by the use of a brush.

Assemblers, for pulling-over machine, Machine.—The assembler receives the last with the insole tacked on it. He wets the leather and shellacs the toe box or the tip or both (unless these operations have already been performed), places the toe box and counter between the lining and the upper and then puts the last inside the upper. Having centered the upper on the last, he places the last on the spindle of the assembling machine and pushes it into the heel jaws of the machine. As it enters a small portion of the upper, leather is bent over the back edge of the heel seat. The foot lever is now used and with one stroke two tacks are driven, one through the bent-over portion of the upper into the heel seat and the other into the last through the heel seam about halfway down. The duties of the assembler are often divided among several operators, each doing a specified part.

Pullers-Over, Machine: Same as welt, page 143.

"Hand-Method" Lasting-Machine Operators, Machine: In this method of lasting, which is done on a machine known either as "consolidated" or "niggerhead," the operator holds the edge of the shoe so that the pincers of the machine grasp the upper and draw it evenly and closely about the last. Immediately following the pincers as fast as the upper is drawn into position, there is a device on the machine that drives tacks automatically into the last to hold the upper in its proper place. In case any part of the shoe has not been properly lasted, the operator pulls the tacks and does the work over. The entire shoe is lasted with this machine. Under the welt system previously described this machine is often used to last only the side or instep, after which the bed machine lasts the toe and heel, thus cutting out the operation of hand lasting the side or instep, which is necessary in plants using only the bed machine.

Tip Inspectors (after pulling-over), Hand: Same as inspectors (after pulling-over), hand, welt, page 144.

Cobblers, Hand: When the upper parts of the shoe are cut so small that the pincers of the lasting machines can not readily grasp them these shoes are handed to the cobbler who lasts them by hand. Those with spoiled insoles are given him to replace the insoles and relast the shoes by hand. He makes other minor repairs which do not require a new upper.

Rack Pushers, Hand: The racks of shoes which have been lasted are now pushed to another part of the lasting room to be transferred to a dryer.

Shoe Handlers (at Steam Dryer), Hand: After the shoes have been lasted, they are removed from the racks by hand and placed on drying shelves with the tip of each

shoe under a steam pipe. This is done in order to dry the box-toe stiffening. The shoes remain in this dryer for about 30 minutes and are then returned to the movable racks by the same operators.

Insole-Tack Pullers, Machine: The tacks are pulled by holding the sole against the tack-pulling device of the machine.

Pounders, Machine: When the shoe is lasted, a surplus amount of leather is gathered on the sole around the toe. In order to trim off this surplus the operator holds it against a revolving grater (a sheet-iron band full of punctures) and then against pounding rolls which smooth out the parts and tend to draw the upper more tightly over the toe.

Outsole Handlers (put on rack with uppers), Hand: The desired number of outsoles required by each order tag are awaiting the arrival of the lasted shoe. These are now arranged in pairs with each size number out, and placed on the lower shelf of the rack which contains the lasted uppers.

Outsole Tackers, Machine: The outsole tacker puts the sole in place on the shoe and holds it against the tacking device of his machine, which drives a few nails through it into the insole to hold it in place until it is permanently fastened. The machine automatically cuts the nails as they are driven from the end of a narrow band of flat steel coiled on the machine. The width of this band determines the length of the nail.

Last Pullers, Hand: Same as welt, page 148.

Last Sorters, Hand: The operator takes the lasts from the movable racks where they have been placed by the puller, and throws them into the proper bin, in accordance with the size printed on each last. This work is sometimes done by the last pullers.

Cripple Boy, Hand: The cripple boy looks up all missing shoes, such as those which have been repaired by the cobbler. These are placed with their respective cases before they leave this department.

#### BOTTOMING DEPARTMENT.

Heel-Seat Nailers, Machine: Same as welt, page 144.

McKay Sewers, Machine: This operator uses a McKay sewing machine to sew together the outsole, the upper, and the insole—the three parts being sewed together in one operation, except the heel seat, which is nailed. No welt is used in the McKay process, the seam being embedded in the channel of the outsole; the opposite side of the seam is on the inside of the shoe instead of on the top of the welt outside the shoe, as in the welt process of manufacture.

Channel Cementers, Machine: Same as welt, page 145.

Channel-Lip Wetters, Hand: In order to prevent the lip of the channel from cracking when it is cemented down it is dampened slightly. The employee has a pail of water into which he dips each sole.

The four following occupations apply to shoes in which the soles have been "fair stitched," or the bottoming done by the "McKay welt" method.

Stitch Wheelers, Machine: Same as welt, page 145.

Stitch Separators, Machine: Same as welt, page 145.

Edge Blackers (over welt Stitches), Hand: After the stitches on top of the welt or double sole (if fair stitched) have been wheeled or separated, this upper edge of the sole or welt is coated with paint by hand with the aid of a brush. After blacking this edge the stitches are sometimes burnished with a hot wheel similar to the one used for stitch wheeling or separating, by tracing over the same corrugations on the edge.

Stitch Burnishers, Machine: Same as welt, page 147.

Channel Layers, Machine: Same as welt, page 145.

Levelers, Machine: Same as welt, page 146.

Heelers' Helpers, Hand: Same as welt, page 146.

Heelers, Machine: Same as welt, page 146.

Sluggers, Machine: Same as welt, page 146.

Heel Trimmers or Shavers, Machine: Same as welt, page 146.

Heel Scourers, (first time), Machine: Same as welt, page 147.

Heel Breasters, Machine: Same as welt, page 146.

Shank Randers, Hand: In order to give a smooth appearance to the upper edge of the sole at the shank the operator bevels this corner of the edge by hand with a knife devised for this purpose.

Hole Fillers (In Heel), Hand: On some grades of shoes the heels are built partly of half-lifts, and holes sometimes appear where the lifts or half-lifts come together. These holes are filled after the heel has been attached to the shoe and its sides trimmed and breasted. The operator fills them with a thick paste which is applied by hand with a putty knife.

Edge Trimmers, Machine: Same as welt, page 146.

Heel Wetters, Hand: Same as heel gummers, welt shoes, page 147.

Heel Scourers, (second time), Machine: Same as welt, page 147. Data for first and second-time scourers are combined in the tables of this report under the term "Heel scourers."

Heel-Breast Scourer, Machine: Same as welt, page 147.

"Knifers Up," Hand: The knife on the edge trimmer does not quite cut back to the heel, and that of the heel shaver also leaves this part untouched. This slight hump on the edge of the sole is trimmed off by hand, with a knife specially devised for the purpose. When a McKay welt, described later, is used, this operator also trims the end of it where it fits under the heel.

Edge Setters, Machine: Same as welt, page 147.

Edge Brushers, Machine: After edge setting, the edge of the sole is brushed in order to clean and give an added polish. The operator holds the shoe against the revolving bristle brushes of his machine, going around the entire edge of the sole.

Heel Stainers or Blackers, Machine: The operator holds the heel of each shoe against the slowly revolving brushes of his machine, thus coating it with blacking or stain. The lower edge of the brushes pass through a supply of the liquid stain or blacking as they revolve.

Heel Burnishers, Machine: Same as welt, page 147.

#### FINISHING DEPARTMENT.

Heel-Pin Pasters, Hand: The heel pin is a small piece of material which has been cut the size and shape of the heel inside the shoe. It is cut from either paper, canvas, or leather. The operator coats it with cement by means of a hand brush, and sticks it to the heel end of the sock lining which is later pasted in the shoe. In turn and Goodyear welt shoes the sock lining is pasted to the inside of the shoe, at the heel only, to cover the nails there. In all other methods of manufacture, either nails or stitches appear around the sole on the inside of the shoe. These are covered with a sock lining. The heel pin is pasted to this and in a later operation gets in position over the heel nails when this sock lining is pasted into the shoe.

Sock-Lining Pasters, Hand: The sock lining is a piece of material which has been cut the size and shape of the insole. It is cut from either paper, canvas, or leather. The operator coats it with cement by means of a hand brush and sticks it over the entire insole to cover the stitches and nails.

Heel-Nail Grinders, Machine: The nails which extend through the top lift on the bottom of the heel are ground off, in order to give a smooth surface. The operator holds the heel of each shoe against the revolving emery wheel of his machine, which grinds off these projecting nails.

Buffers, Machine: Same as welt, page 147.

Bottom Dusters and Gummers, Machine: Same as welt, page 147.

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Cracked-Channel Repairers: When the lip of a channel has been broken or chipped off it is repaired by filling in the broken space with a thick paste. This is applied by means of a putty knife.

Shank Cutters or Markers, Hand: When the shank or forepart of the sole is to be blacked, a mark across the shank indicates where this painted section shall end. The employee generally uses a knife to draw this line across the sole.

Bottom, Shank, or Top-Lift Blackers, Hand: Same as welt, page 147.

Bottom, Shank, or Top-Lift Polishers, Machine: Same as bottom polishers, welt, page 147.

Bottom Stampers, Machine: Same as stampers, welt shoes, page 148.

Edge Stripers, Hand: Same as welt, page 147.

Bottom Wheelers, Hand: The bottoms of shoes which have been stained are sometimes decorated around the edge with a series of slight indentations. This decoration is burned into the leather by means of an electrically heated tracing wheel, which the operator passes around the bottom edge of the sole.

Bottom Inspectors, Hand: The inspector of bottoms examines each sole to ascertain if there are any defects in their finished surface.

#### TREEING DEPARTMENT.

Maters-out (for treers), Hand: The shoe forms on a treeing machine are made in whole sizes only. Therefore, for the convenience of the operator, the shoes are separated into groups. All of each size and its corresponding half-size are placed together.

Treers, Hand: Same as welt, page 148.

Treers, Machine: Treeing is sometimes done on a machine. A treeing machine has two arms which cross each other at right angles and revolve horizontally at a point where these arms intersect. There are four shoe forms, one on the end of each cross arm. The rubbing device of this machine is stationed at an exact distance from the revolving center, so that a shoe placed on any one of these arms can be swung to this point to be rubbed. There are two operators to each machine. One operator places the shoe on the form, cleans it off with a dry brush, rubs in a filler, and swings it into the rubbing device, which consists of two heated rolls, one for each side of the shoe. This device operates up and down the lower half of the shoe from toe to heel, ironing the creases from these parts. When started it operates a set number of times and automatically stops. This shoe is then swung around to the other operator, who uses a treeing iron by hand on the top, in the shank, and over the vamp and tip where the machine does not touch. The shoe is then swung to the first operator, who applies a coat of dressing, removes it from the form, and places on another shoe. The operators and the machine are all working on different shoes at the same time.

Tack Inspectors, Hand: Same as welt, page 148. Vamp Creasers, Machine: Same as welt, page 148.

Lining Cleaners, Hand: The linings which have become soiled during the processes of manufacture are cleaned with naptha or gasoline. This is rubbed in by hand with

Tip Scourers (Patent Leather), Machine: Same as welt, page 148.

Tip Fillers (Patent Leather), Hand: Same as tip repairers, welt shoes, page 148.

Russet Repairers, Hand: Same as welt, page 148.

Shoe Dressers, Hand: Same as welt, page 148.

#### PACKING DEPARTMENT.

Lacers, Hand: Same as welt, page 149.

Buttoners, Hand: The method of buttoning the shoe is the same as in the stitching department, but the purpose is for packing, instead of lasting the shoe.

Button-Top Pounders, Machine: In order to make the tops of button shoes stand up straight when exhibited, the operator holds the folded edge of the button fly and heel seam under a pounding device of his machine which flattens out these edges.

Strap-Cover Strippers, Hand: The loops which are stitched to the tops of men's shoes at the back to assist the wearer in pulling them on are covered with paper to prevent them from being soiled during the processes of shoe making. These loops are purchased with their paper covers already on. They are inserted between the lining and upper, and fastened in place by the seam of the top stitcher. The paper coverings of these loops are now pulled off by hand, shortly before the final inspection of the shoe.

Stitch Brushers or Cleaners, Machine: Same as welt, page 149.

Mate out for Inspectors: Before final inspection shoes are mated by sizes, as well as into pairs of like appearance, with regard to tips being set back on the vamp about equal distance, color, and texture of the upper, etc.

Inspectors, Hand: Before packing, all shoes are examined for defects in construction or finish. Those with flaws are returned to the proper department for repair.

Case Assemblers, Hand: When the shoes are ready to be packed, the assembler transfers the cases or boxes in which the cartons have already been placed, from the storage room to the packing room, by the use of a truck.

Carton Stencilers, Hand: Same as welt, page 149.

Packers, Hand: Same as welt, page 149. Case Nailers, Hand: Same as welt, page 149.

Case Stencilers, Hand: When the shoes have been packed into cases, and the cases nailed, they are ready for shipment. The address of the purchaser is printed on the lid of the case by means of a brush and paint cup or by use of a stencil.

Shippers, Hand: The shipping clerk compares the contents of each case of shoes, as shown by the order tag (which has followed them through the factory), with the original order, in regard to sizes, width, etc., before the shoes are shipped.

### TURN SHOES.

The occupations in the sole-fitting and lasting departments of a representative factory making turn shoes are next described. The work of the cutting and stitching departments, the making and attaching of the heel, and the finishing, are the same in turned as in other shoes.

#### SOLE-FITTING DEPARTMENT.

Outsole Skivers, Machine: Same as welt, page 137. Outsole Rounder, Machine: Same as welt, page 137.

Outsole Channelers, Machine: The method of channeling outsoles for turn shoes is similar to that used on the Goodyear welt insoles. A channel is cut around the surface into which the stitches are embedded. A slit is also cut along the edge of the sole, but the part of the sole which would form the lip is cut away entirely by this channeling machine, thus forming a shoulder instead of a lip, to which in a later operation the upper is lasted and still later stitched. In the tables of this report data for this occupation are combined with those for McKay outsole channelers and welt insole channelers, under the term "Insole and outsole channelers."

Shankers Out, Machine: Shanking out is the beveling, or trimming away, of the edge of the sole at the shank. The operator feeds the shank edge of the sole, one side at a time, to his machine which skives off this part, thus giving a thin appearance to the sole at this point.

Outsole-Edge Molders, Machine: The edge of the sole from which the lip portion has been trimmed is bent down in order to avoid the needle when the upper is sewed to the shoulder. The operator guides the entire edge of the sole around his machine which bends it down to an angle of about 45 degrees.

Outsole and Counter Temperers, Hand: In order to get the outsoles and counters in condition so that they will bend readily, and without cracking, the various packages of each are placed into a tank of water for a short while and then set aside to drain in an air-tight closet or are covered with burlap. They remain in this condition about 12 hours.

#### LASTING DEPARTMENT (MACHINE METHOD).

Upper Matchers, Hand: Same as welt, page 142.

Last Pickers, Hand: Same as welt, page 142.

Outsole Molders, Hand: Soles for turn shoes are molded by hand. The operator places each sole over an iron concave mold, and pounds it with a round-headed hammer in order to make it fit the shape of the last.

Outsole Tackers (sole to last), Machine: There are no insoles used on turn shoes. The method of tacking the outsoles to the lasts is the same as that of tacking insoles to lasts on other shoes.

Assemblers, Hand: The assembler places the counter at the heel between the lining and upper. The last with its attached sole is put into the upper which has the lining side out. A portion of the upper is bent over the heel seat and tacked by hand with a hammer. Another tack is driven into the last through the heel seam. The boxtoe stiffening is then dipped into water and placed between the toe lining and upper.

Pullers-Over, Machine: This is the regular pulling-over machine, but the pulling and tack-driving devices are arranged so as to last the front end of the shoe instead of pulling over the entire shoe.

Turn Lasters (first laster), Hand: After the toe has been lasted (or pulled over) by machine, the remaining parts are pulled into place by use of hand pliers and tacks are driven to hold them in place. At the heel the lining is not lasted with the upper, but is cut and turned back, thus avoiding wrinkles when the shoe is turned. At this point it goes to the turn sewer.

Turn Sewers, Machine: The operator places the edge of the shoe into his machine and guides it along the entire length of the channel beginning and ending at the heel. The threads pass from the channel, through the shoulder of the sole, and through the upper (which is lasted to it), uniting these parts.

Tack Pullers and Trimmers, Machine: In order to remove the lasting tacks, the operator guides the lasted edge of the shoe, with its projecting tacks, against a pulling device on his machine, which consists of a rotary-moving claw which extracts the tacks very rapidly. The surplus upper on the bottom at the toe and sides is then cut away by holding it to the trimming knife of the same machine.

Turn Lasters (second laster), Machine: To turn a shoe by machine the operator places it over the heel form and presses a foot lever. The arm of the machine forces the heel seat down inside of the form thereby turning the heel. The shoe is then transferred to an arm of the forepart turner, with the sole down. The foot lever of this machine causes pressure on the sole, which assists the operator in turning the sole. The shoe is now pulled by hand to the opposite arm of the machine thus turning the fore part.

Turn Lasters (second laster), Hand: This operator receives the shoe from the machine twin laster and straightens out the upper lining, inserts a filler for the fore part and the shank piece, each of which has been coated with glue to give added stiffness, thus filling in the space on the inside surface of the sole between the lapping edges of the upper. Two tacks are driven into the shank piece. The lasts are now returned

to the shoes with the aid of a shoe horn, but placed into opposite shoes; the last which was taken from the left is returned to the right shoe on account of the turning inside out of the shoe.

Pounders, Machine: After the shoe has been turned, the bottom is then put in its proper shape. The operator holds the bottom, heel, and other parts against the vibrating rolls of his machine which pound them to the shape of the last.

Crowners, Hand: The crowner examines the shoes for flaws of any character which may have occurred in the lasting department.

#### LASTING DEPARTMENT (HAND METHOD).

Upper Matchers, Hand: Same as welt, page 142. Last Pickers, Hand: Same as welt, page 142.

Turn Lasters (first laster), Hand: The sole for a turn shoe is fitted to the shape of last by placing it over an iron concave mold and pounding it by hand with a specially devised hammer. In the next process it is tacked to the last. The operator then takes the stitched upper with the lining side out and places the counter at the heel under the lining. The last, with its attached sole, is placed in position inside the upper. A portion of the upper is bent over the heel seat and tacked by hand with a hammef; another tack is driven into the last through the heel seam. The box-toe stiffening is dipped into water and placed between the toe lining and upper. The shoe is then placed on the lasting jack (last rack with toe rest), the upper is pulled in place over the last by use of hand pliers, and tacks are driven to hold it in position beginning at the toe. The lining is not lasted with the upper at the heel, but is cut on each side and turned back so as to avoid wrinkles when the shoe is turned. At this point the shoe is taken to the turn sewer. After being stitched it is returned to the same turn laster who pulls the sole and lasting tacks with a notched knife and trims with a sharp knife the surplus upper from the sole. The shoe is now passed to the second laster.

Turn Sewers, Machine: Same as machine method, page 162.

Turn Lasters (second laster), Hand: In order to turn the shoe, the operator pulls the last, then places it over the turning iron which is attached to his bench. He pulls the heel first, and then the toe, against the end of this iron, turning the shoe right side out, straightens out the upper and lining, and inserts a filler for the fore part and the shank piece, each of which has been coated with cement, thus filling the space on the inside surface of the sole between the lapping edges of the upper. Two nails are driven into the shank to give added stiffness. The lasts are now returned by means of a shoe horn, each to the opposite shoe from which it was taken, on account of the shoes having been turned. He now uses a leveling iron on the sole and toe, and also pounds them with a hammer to adjust all parts to the shape of the last.

Turn Lasters, Hand: Data for the above first and second lasters, and for the first and second lasters shown under machine method, are combined in the tables of this report under the term "Turn lasters, hand."

#### Mckay welt shoes—bottoming department.

McKay Welters, Machine: A "McKay Welt" is a combination of the McKay and welt types of shoes in which a welt is attached to the insole in the same way that the outsole is sewed to the insole in a regular McKay shoe; that is, the stitches pass directly through the welt, upper, and insole, making a seam on the inside of the shoe. This is accomplished by the use of a machine with a welt attachment which guides the welt into position as it is stitched around the bottom edge of the lasted shoe as far back as the breast of the heel. The outsole is afterwards sewed to this welt by the Goodyear stitcher. With the exception of the method of attaching the welt, the operations on this style of shoe are the same as on other welt shoes.

#### NAILED WELT SHOES-BOTTOMING DEPARTMENT.

Loose-Nail Welters, Machine: A "nailed welt" shoe is one in which the welt is nailed to the upper and insole instead of being sewed. This is accomplished by the use of a machine with a welt attachment which guides the welt into position around the bottom edge of the lasted shoe, nailing the parts together, and clinching the nails on the inside of the shoe. The outsole is afterwards sewed to the welt by the Goodyear stitcher. With the exception of the method of attaching the welt, the operations on this style of shoe are the same as on other welt shoes.

#### LOOSE-NAILED SHOES—BOTTOMING DEPARTMENT.

Outsole Loose Nailers, Machine: "Loose-nailed" shoes differ from the ordinary McKay shoes in that the outsole is nailed to the upper and insole instead of being sewed. In doing this work the operator places the shoe with the sole in place, bottom up on the horn of his machine, and guides it around the entire sole as the nails are driven. Each nail passes through the outsole, upper, and insole, uniting these parts. (In some instances the nails are driven along a channel cut in the outsole, the lip of which is later cemented down, thus hiding the nail heads from view, and permitting of a smooth finish to the sole.) When the nail reaches the inside of the shoe it comes in contact with the tip of the horn, which is slightly concave. This causes the point of the nail to curve and reenter the insole, thus forming a smooth and strong clinch on the inside of the shoe. With the exception of the method of attaching the outsole, the operations on this style of shoe are the same as on ordinary McKay shoes.

#### STANDARD-SCREW SHOES—BOTTOMING DEPARTMENT.

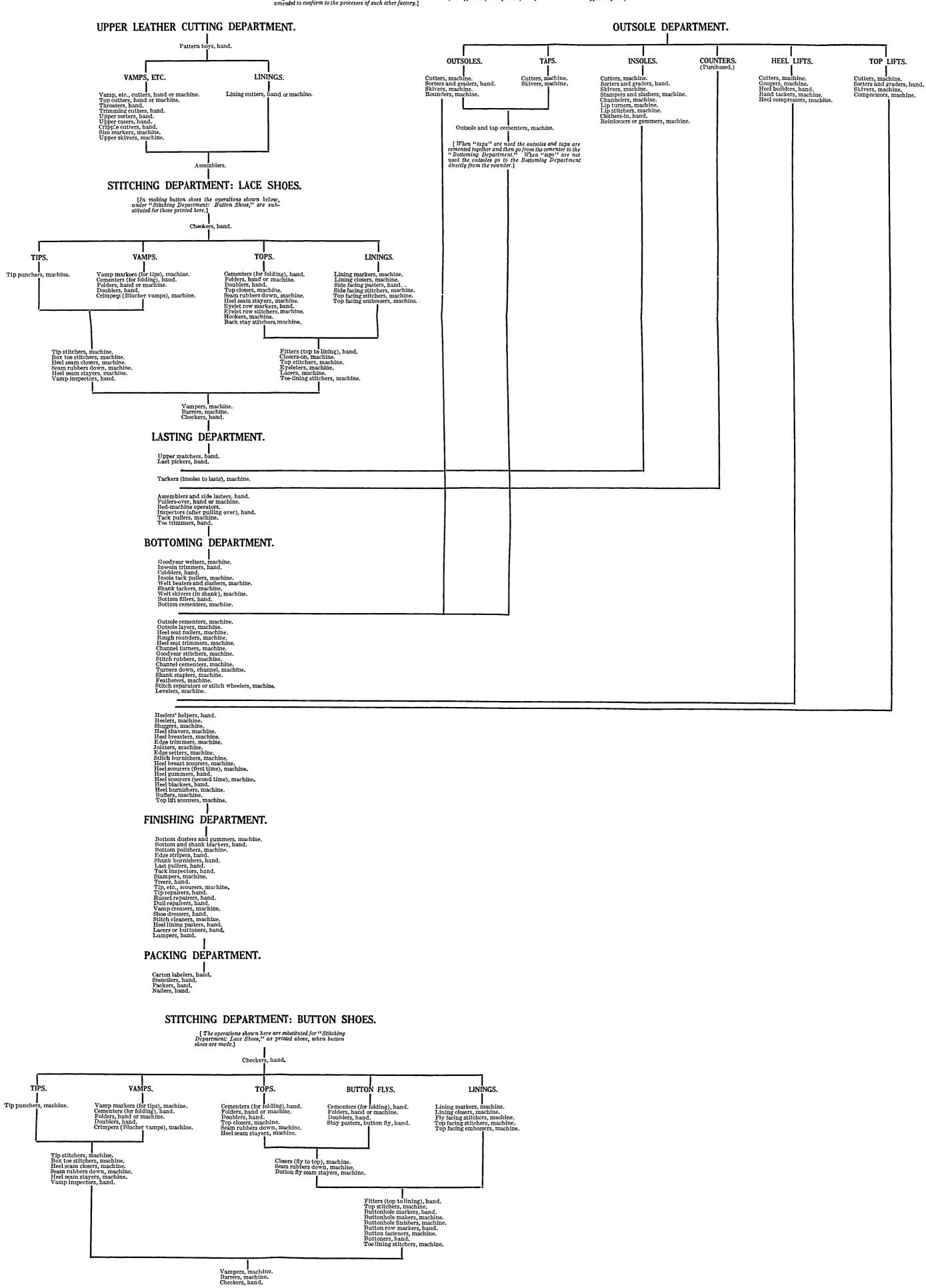
Standard-Screw Machine Operators, Machine: "Standard-screw" shoes differ from ordinary McKay and loose-nailed shoes in that the outsole is fastened to the upper and insole by means of wire screws. In doing this the operator places the shoe with the sole in place, on the horn of his machine, and guides it around the entire sole as the wire screws are driven. This threaded screw is formed from a coil of wire in the revolving cylinder of the machine. The end of the horn inside of the shoe is always opposite the driven screw, as it passes through the outsole, upper, and insole. When it reaches the inside of the shoe it necessarily stops against the tip of the horn, is automatically cut off, and feeds to the next fastening place. The insole for this style fastening has to be of thicker material than that used for others, as the outsole is held in place only by the threads which are embedded in the insole. With the exception of the method of attaching the outsole, the operations on this style of shoes are the same as on ordinary McKay shoes.

Loose-Nail and Standard-Screw Machine Operators, Machine: Data relating to the two preceding occupations are combined in the tables of this report under the term "Loose-nail and standard-screw machine operators." The operation of the two machines is very much alike, and in many factories the same person operates either machine as required.

The accompanying charts present a graphic view of the operations in the manufacture of welt, McKay, and turn shoes, respectively. In studying these charts and the descriptions of occupations given above it should be borne in mind that the presentation in each instance is for one representative factory and that the processes and occupations vary in different factories, even those making the same kind of shoe.

## CHART A.—OUTLINE OF PROCESSES IN A SHOE FACTORY: WELT METHOD.

[This chart outlines the processes of manufacture of a certain kind of shoe in a representative factory. It lists in order the processes of manufacture of a "lace" shoe. For a "button" shoe substitute in place of the stitching department for a lace shoe the stitching department for a button shoe, printed at the bottom of the chart. The lines leading down from each part named indicate the point of assembling with other parts. The processes of manufacture vary in different factories and for different kinds of shoes in the same factory, hence for any other factory this chart ') but a suggestive guide, which must be amended to conform to the processes of such other factory.]

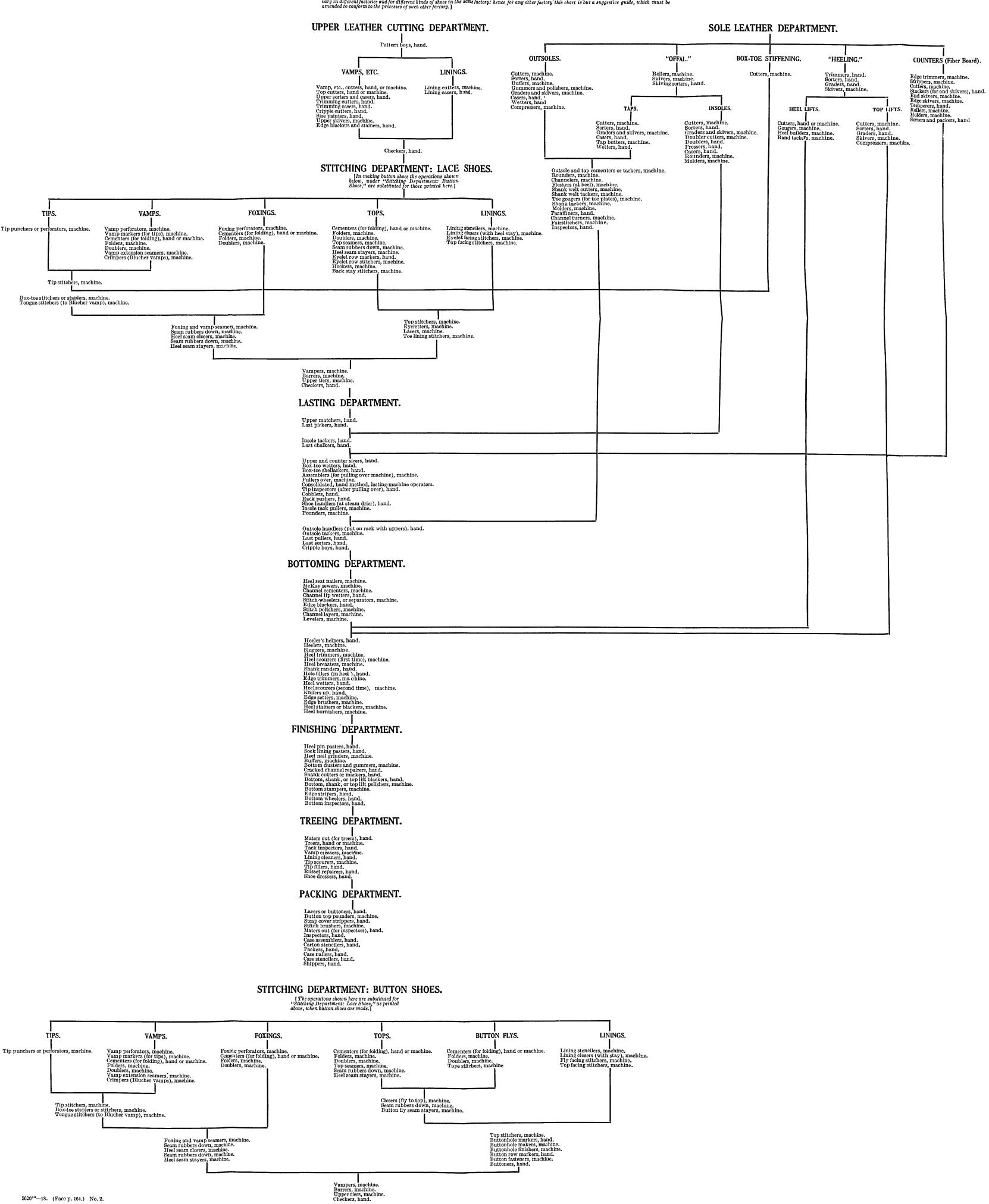


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# CHART B.—OUTLINE OF PROCESSES IN A SHOE FACTORY: McKAY METHOD.

[This chart outlines the processes of manufacture of a certain kind of shoe in a representative factory. It lists in order the processes of manufacture of a "lace" shoe. For a "button" shoe, substitute in place of the stitching department for a lace shoe the stitching department for a button shoe, printed at the bottom of the chart. The lines leading down from each part named indicate the point of assembling with other parts. The processes of manufacture vary in different factories and for different kinds of shoes in the same factory; hence for any other factory this chart is but a suggestive guide, which must be amended to conform to the processes of such other factory.]

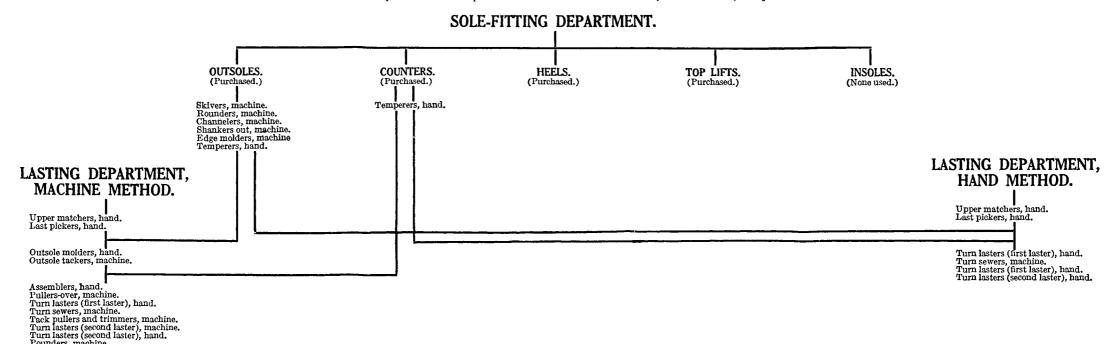


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## CHART C.—OUTLINE OF PROCESSES IN THE MANUFACTURE OF TURN SHOES.

[This chart outlines the processes in the Sole-fitting and Lasting Departments, in the manufacture of a turn shoe. The processes in the other departments are similar to those shown in the charts for Welt and McKay shoes.]



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Pounders, machine. Crowners, hand.

#### APPENDIX B.—TIME AND LABOR COST IN MAKING 100 PAIRS OF SHOES.

In this appendix is presented a table showing the time cost and labor cost, by occupations, in the manufacture of 100 pairs of welt shoes, the rate of wages or earnings per hour of the employee, and the number of pairs of shoes worked on per hour, by the employee in a representative shoe factory.

The table presents most forcibly the minute specialization of work in a modern shoe factory, the many hands through which a shoe passes in the course of manufacture, the great number of repetitions of a single operation in an hour, and the comparatively short time consumed, and the small labor cost in the making of a pair of shoes.

The total time cost, as shown by the total at the end of the table, for making 100 pairs of shoes, is, in this establishment, 8,574.78 minutes, or 142.9 hours, and the total labor cost \$36.8334. Reduced to a single pair of shoes, the time cost is 1 hour and 25\frac{3}{4} minutes, and the labor cost \$0.368. One man in one hour makes seven-tenths of a pair of shoes.

Under each department of the factory the occupations are given in the order of the operation. At the end of each department are shown the cost of "daywork" and of "organization." The "daywork" includes operations that can not be carried under a piece-rate system nor easily separated into specific individual operations. "Organization" includes the work of superintendents, assistants, foremen, laborers, clerks, firemen, and others whose work is more or less general, the cost of which has been apportioned to the several departments according to the amount of time determined as devoted to each.

The column "Time cost" shows the time in minutes required for one person to perform the work of the occupation on 100 pairs of shoes. The "labor cost" is the amount paid for the work done by the operator in the time given in the time-cost column.

The hourly wages is the amount earned per hour by the employee in the occupation named.

The number of pairs worked on per hour is the number of pairs of shoes for which the given operation is performed in one hour.

To illustrate: The first operation in order of process in the upper-leather department is that of "tongue cutter." It requires 36.65 minutes for this operator to cut the tongues for 100 pairs of welt shoes of a given style, and for this work he is paid \$0.1519. This amount is equivalent to an hourly rate of \$0.2487, and, in one hour the operator will cut the tongues for 163.71 pairs of shoes.

TIME AND LABOR COST, BY OCCUPATIONS, IN THE MANUFACTURE OF 100 PAIRS OF WELT SHOES, THE RATE OF WAGES OR EARNINGS PER HOUR, AND THE NUMBER OF PAIRS WORKED ON PER HOUR.

| Department and occupation.   | Time<br>cost of<br>100 pairs<br>(minutes).  | Labor<br>cost of<br>100 pairs.   | Hourly<br>wages.   | Number<br>of pairs<br>worked<br>on per<br>hour.  |
|--|---|--|--|--|
| UPPER-LEATHER DEPARTMENT,  |   |  |  |  |
| Tongue cutters   | <b>3</b> 6. 65  | \$0.1519   | <b>\$</b> 0. 2487  | 163 71   |
| Eyelet-facing cutters, top section Eyelet-facing cutters, toe section Sackstay cutters Bermant sorters Eyelet-facing skivers, top section Eyelet-facing skivers, toe section   | 44.00   | . 1799<br>. 1200   | . 2453   | 163, 71<br>136, 3 <b>6</b>   |
| Eyelet-facing cutters, toe section   | 29.38<br>17.10  | . 1200   | . 2451<br>. 2526   | 204. 22  |
| Remnant sorters  | 10. 19  | .0417  | . 2455   | 350. 88<br>588. 81   |
| Eyelet-facing skivers, top section   | 6.65  | . 0242   | . 2183   | 902. 26  |
| Eyelet-facing skivers, toe section   | 14. 62<br>3. 21   | .0534  | . 2192<br>. 2187   | 410. 40  |
| yelet-lacing salvers, too section<br>longue skivers.<br>Backstay skivers.<br>Eyelet-facing cementers.<br>Eyelet-facing sorters.  | 3. 21<br>3. 21  | .0117  | . 2187   | 1,859.16   |
| yelet-facing cementers   | 33. 01  | .1200 1  | . 2181   | 1,859.16<br>181.76   |
| yelet-facing sorters   | 9. 77   | . 0266   | . 1634   | 614. 12  |
| ongue sorters<br>loth folders and rollers<br>loth-lining and doubler cutters.<br>ining casers.   | 2. 42<br>2. 04  | . 0067<br>. 0083   | . 1661<br>. 2441   | 2, 479. 34<br>2, 941. 18   |
| loth-lining and doubler cutters.   | F 0#  | .0333  | . 3536   | 1,061.95   |
| ining casers   | 4.58  | . 0167   | . 2188   | 1,310.04<br>2,380.95   |
| oubler casers  | 2, 52<br>1, 56  | .0092  | . 2190<br>. 1615   | 2,380.95   |
| amp and tip cutters  | 151, 93   | .9963  | , 3935   | 3,846.15<br>39.49  |
| op cutters   | 119.05  | . 4865   | . 2452   | 50. <b>40</b>  |
| Die distributors   | 8. 26   | . 0225   | . 1634   | 726. 39  |
| in corters and casers  | 36. 65<br>9. 17   | . 1333   | . 2182<br>. 2179   | 163. 71<br>654. 31   |
| op sorters and casers  | 21. 77  | .0792  | . 2183   | 275, 61  |
| amp painters and sizers  | 3.06  | .0083  | . 1627   | 1,960.78   |
| ip painters and sizers   | 1. 22<br>3. 36  | .0033  | . 1623<br>. 1643   | 4,918.03   |
| amp recounters   | 6, 21   | .0167  | .1614  | 1, 785. 71<br>966. 18  |
| 'ip recounters   | 2. 42   | .0067  | . 1661   | 2, 479. 34   |
| op recounters  | 6. 21   | . 0167   | . 1614   | 966.18   |
| amp tiers-up   | 1. 56<br>1. 22  | .0042  | . 1615<br>. 1623   | 3,846.15<br>4,918.03   |
| op tiers-up.   | 1. 56   | .0042  | . 1615   | 3, 846, 15<br>763. 36  |
| efinishers   | 7. 86   | .0250  | . 1908   | 763. 36  |
| ongue casersvelet-facing casers  | 2.07<br>6.19  | .0075  | . 2174<br>. 2181   | 2,898.55<br>969.31   |
| eel-stay casers  | 2. 52   | .0092  | . 2190   | 2,380.95   |
| aekstay casers   | 3. 44   | . 0125   | . 2180   | 1,744.19   |
| loth-liming and doubler cutters; inling casers outbler casers amp and tip cutters op cutters. lie distributors amp sorters and casers. op sorters and casers op sorters and casers op sorters and cisers ip painters and sizers ip painters and sizers op painters and sizers ip painters and sizers ip recounters op recounters amp reincounters amp tiers-up ip tiers-up op tiers-up op tiers-up ongue casers yelet-facing casers leel-stay casers leel-stay casers leel-stay casers leel-stay casers leel-stay casers leel-stay casers leel-stay casers leavestay casers leavestay casers lerganization   | 199. 88<br><b>2</b> 42. 70  | . 7299<br>1. 0913  | . 2191<br>. 2698   | 30. 02<br>24. 72   |
| SOLE-LEATHER DEPARTMENT.   | 1   | 1,0010   | .2000  | 21.12  |
| Outsole-stock sorters, skivers, etc  | 4.60  | .0188  | . 2452   | 1,304.35   |
| ide dippers  | 1. 43   | .0052  | . 2182   | 4, 195, 80   |
| outsole-stock sorters, skivers, etc. ided dippers illers (near machine) illers (on machine) leaners-up (around machine) outsole eutters. illers (under machine) nosole cutters.  | .66<br>.61  | . 0024<br>. 0022   | . 2182<br>. 2164   | 9,090.91   |
| leaners-up (around machine)  | .83   | .0030  | . 2167   | 9, 836. 06<br>7, 228. 92   |
| utsole cutters   | 19.65   | . 1250   | . 3817   | 303.34   |
| nsole cutters  | . 97<br>19. 72  | .0035  | . 2165<br>. 3271   | 6, 185. 57<br>304. 26  |
| em-duck cutters, insole  | 2.00  | .1075  | .3000  | 3,000.00   |
|  |   |  |  | 909.09   |
| urlap cutters, insole  | 6.60  | .0300  | . 2727   | 000.00   |
| urlap cutters, insoleap-stock sorters, skivers, etc  | 6, 60<br>30, 25   | .0300<br>.1240   | . 2460   | 198. 35  |
| ourlap cutters, insole ap-stock sorters, skivers, etc ap cutters on-lifts stock sorters, skivers, etc  | 6, 60<br>30, 25<br>27, 50<br>15, 15   | .0300<br>.1240<br>.1500  | . 2460<br>. 3273   | 198. 35<br>218. 18   |
| urlap cutters, insole<br>ap-stock sorters, skivers, etc<br>ap cutters<br>op-lifts stock sorters, skivers, etc.   | 6, 60<br>30, 25<br>27, 50<br>15, 15<br>23, 10   | .0300<br>.1240<br>.1500<br>.0620<br>.1260  | . 2460<br>. 3273<br>. 2455   | 198. 35<br>218. 18<br>396. 04<br>259. 74   |
| urlap cutters, insole<br>'ap-stock sorters, skivers, etc<br>'ap cutters<br>'op-lifts stock sorters, skivers, etc<br>'op-lift cutters   | 6. 60<br>30. 25<br>27. 50<br>15. 15<br>23. 10<br>2. 20  | .0300<br>.1240<br>.1500<br>.0620<br>.1260<br>.0100   | . 2460<br>. 3273<br>. 2455<br>. 3273<br>. 2727   | 198. 35<br>218. 18<br>396. 04<br>259. 74<br>2, 727. 27   |
| burlap cutters, insole 'ap-stock sorters, skivers, etc 'ap cutters 'op-lift stock sorters, skivers, etc. 'op-lift cutters 'ox-toe cutters utsole graders and skivers   | 26.60<br>30.25<br>27.50<br>15.15<br>23.10<br>2.20<br>12.78  | .0300<br>.1240<br>.1500<br>.0620<br>.1260<br>.0100   | . 2460<br>. 3273<br>. 2455<br>. 3273<br>. 2727<br>. 2003   | 198. 35<br>218. 18<br>396. 04<br>259. 74<br>2, 727. 27<br>471. 33  |
| urlap cutters, insole "ap-slock sorters, skivers, etc "ap cutters "op-lift stock sorters, skivers, etc. "op-lift cutters "ox-toe cutters "ox-toe cutters "utsole graders and skivers "utsole sorters "utsole sorters   | 26, 60<br>30, 25<br>27, 50<br>15, 15<br>23, 10<br>2, 20<br>12, 73<br>17, 89<br>14, 90   | .0300<br>.1240<br>.1500<br>.0620<br>.1260<br>.0100<br>.0425  | . 2460<br>. 3273<br>. 2455<br>. 3273<br>. 2727<br>. 2003<br>. 3270   | 198, 35<br>218, 18<br>396, 04<br>259, 74<br>2, 727, 27<br>471, 33<br>335, 38   |
| urlap cutters, insole ap-stock sorters, skivers, etc ap cutters op-litits stock sorters, skivers, etc. op-lit cutters ox-toc cutters utsole graders and skivers utsole sorters utsole grade painters ap graders and skivers  | 6. 60<br>30. 25<br>27. 50<br>15. 15<br>23. 10<br>2. 20<br>12. 73<br>17. 89<br>14. 90<br>12. 56  | .0300<br>.1240<br>.1500<br>.0620<br>.1260<br>.0100<br>.0425<br>.0975<br>.0475  | . 2460<br>. 3273<br>. 2455<br>. 3273<br>. 2727<br>. 2003<br>. 3270<br>. 1913<br>. 1911   | 198. 35<br>218. 18<br>396. 04<br>259. 74<br>2, 727. 27<br>471. 33<br>335. 38<br>402. 68<br>477. 71   |
| urlap cutters, insole "ap-stock sorters, skivers, etc." 'ap cutters. 'op-lift stock sorters, skivers, etc. 'op-lift cutters. 'ox-toe cutters. 'utsole graders and skivers. 'utsole grade painters. 'utsole grade painters. 'ap graders and skivers. 'ap butters. 'ap butters.  | 6. 60<br>30. 25<br>27. 50<br>15. 15<br>23. 10<br>2. 20<br>12. 73<br>17. 89<br>14. 90<br>12. 56<br>5. 50   | .0300<br>.1240<br>.1500<br>.0620<br>.1260<br>.0100<br>.0425<br>.0975<br>.0475  | . 2460<br>. 3273<br>. 2455<br>. 3273<br>. 2727<br>. 2003<br>. 3270<br>. 1913<br>. 1911<br>. 1909   | 198. 35<br>218. 18<br>396. 04<br>259. 74<br>2, 727. 27<br>471. 33<br>335. 38<br>402. 68<br>477. 71<br>1,090. 91  |
| Burlap cutters, insole "ap-stock sorters, skivers, etc "ap cutters "op-lift stock sorters, skivers, etc "op-lift cutters Box-toe cutters "utsole graders and skivers "utsole grade painters "ap graders and skivers "ap sorters "ap opters "ap sorters "ap sorters "ap sorters   | 30. 25<br>27. 50<br>15. 15<br>23. 10<br>2. 20<br>12. 73<br>17. 89<br>14. 90<br>12. 56<br>5. 50<br>9. 02<br>5. 70  | .0300<br>.1240<br>.1500<br>.0620<br>.1260<br>.0100<br>.0425<br>.0975<br>.0475<br>.0400   | . 2460<br>. 3273<br>. 2455<br>. 3273<br>. 2727<br>. 2003<br>. 3270<br>. 1913<br>. 1911<br>. 1909<br>. 2993   | 198. 35<br>218. 18<br>396. 04<br>259. 74<br>2, 727. 27<br>471. 33<br>335. 38<br>402. 68<br>477. 71<br>1, 090. 91<br>665. 19  |
| urlap cutters, insole ap-stock sorters, skivers, etc ap cutters op-lift stock sorters, skivers, etc. op-lift cutters ox-toe cutters utsole graders and skivers utsole sorters utsole sorters ap grader and skivers ap graders and skivers ap butters ap butters ap sorters ap sorters ap sorters ap sorters  | 30, 25<br>27, 50<br>15, 15<br>23, 10<br>2, 20<br>12, 73<br>17, 89<br>14, 90<br>12, 56<br>9, 02<br>5, 50<br>9, 02  | .0300<br>.1240<br>.1500<br>.0620<br>.1260<br>.0100<br>.0425<br>.0975<br>.0475<br>.0400<br>.0175<br>.0450<br>.0233<br>.0096                                     | . 2460<br>. 3273<br>. 2455<br>. 3273<br>. 2727<br>. 2003<br>. 3270<br>. 1913<br>. 1911<br>. 1909<br>. 2993<br>. 2453<br>. 2462   | 198. 35<br>218. 18<br>396. 04<br>259. 74<br>2, 727. 27<br>471. 33<br>335. 38<br>402. 68<br>477. 71<br>1,090. 91<br>665. 19<br>1.052. 63  |
| urlap cutters, insole ap-stock sorters, skivers, etc ap cutters op-lifts stock sorters, skivers, etc. op-lift stock sorters, skivers, etc. ox-toe cutters ox-toe cutters utsole graders and skivers utsole sorters utsole grader painters ap graders and skivers ap butters ap butters ap sorters ap sorters ap sorters ap sorters ap casers. ap wirers utters-away (tap)  | 6, 60<br>30, 25<br>27, 50<br>15, 15<br>23, 10<br>2, 23<br>12, 73<br>17, 89<br>14, 90<br>1, 256<br>5, 50<br>5, 20<br>5, 70<br>2, 24<br>2, 25             | .0300<br>.1240<br>.1590<br>.0620<br>.1260<br>.0100<br>.0425<br>.0975<br>.0475<br>.0400<br>.0175<br>.0450<br>.0233<br>.0096                                     | . 2460<br>. 3273<br>. 2455<br>. 3273<br>. 2727<br>. 2003<br>. 3270<br>. 1913<br>. 1911<br>. 1909<br>. 2993<br>. 2462<br>. 2462<br>. 3013   | 198. 35 218. 18 396. 04 259. 74 2, 727. 27 471. 33 335. 38 402. 68 477. 71 1, 090. 91 1, 052. 63 2, 564. 10 2, 666. 67   |
| Burlap cutters, insole "ap-stock sorters, skivers, etc." 'ap cutters. 'op-lifts stock sorters, skivers, etc. 'op-lift cutters. 'ox-toe cutters. 'ox-toe cutters. 'utsole graders and skivers. 'utsole grade painters. 'ap graders and skivers. 'ap butters. 'ap butters. 'ap sorters. 'ap casers. 'ap wirers. 'utters-away (tap). nsole graders and skivers. nsole-spilit sorters.   | 6, 60<br>30, 25<br>27, 50<br>15, 15<br>23, 10<br>2, 20<br>12, 73<br>17, 89<br>14, 90<br>12, 56<br>5, 50<br>9, 02<br>2, 34<br>2, 25<br>12, 58            | .0300<br>.1240<br>.1500<br>.0620<br>.1260<br>.0100<br>.0425<br>.0975<br>.0475<br>.0450<br>.0175<br>.0450<br>.0233<br>.0096<br>.0113                            | . 2460<br>. 3273<br>. 2455<br>. 3273<br>. 2727<br>. 2003<br>. 3270<br>. 1913<br>. 1991<br>. 1909<br>. 2993<br>. 2453<br>. 2462<br>. 3013<br>. 1907                               | 198, 35<br>218, 18<br>396, 04<br>259, 74<br>2, 727, 27<br>471, 33<br>335, 38<br>402, 68<br>477, 71<br>1, 990, 91<br>665, 19<br>1, 052, 63<br>2, 564, 10<br>2, 666, 67<br>476, 95 |
| rilers (under machine) nsole cutters, insole surfapeutters, insole lap-stock sorters, skivers, etc lap-stock sorters, skivers, etc lap-titters lap-tit | 6, 60<br>30, 25<br>27, 50<br>15, 15<br>22, 20<br>12, 73<br>17, 89<br>14, 90<br>12, 56<br>9, 02<br>5, 70<br>2, 34<br>2, 25<br>11, 93<br>11, 93           | .0300<br>.1240<br>.1500<br>.0620<br>.1260<br>.0100<br>.0425<br>.0975<br>.0475<br>.0450<br>.0175<br>.0450<br>.0233<br>.0096<br>.0113<br>.0490<br>.0650<br>.0650 | . 2460<br>. 3273<br>. 2455<br>. 3273<br>. 2727<br>. 2003<br>. 3270<br>. 1913<br>. 1911<br>. 1909<br>. 2993<br>. 2462<br>. 2462<br>. 3013   | 198, 35 218, 18 396, 04 259, 74 2, 727, 27 471, 33 335, 38 402, 68 477, 71 1, 900, 91 665, 19 1, 052, 666, 67 476, 95 502, 93 9, 523, 81   |
| Burlap cutters, insole "ap-stock sorters, skivers, etc "ap cutters "op-lifts stock sorters, skivers, etc. "op-lift stock sorters, skivers, etc. "op-lift stock sorters, skivers, etc. "op-lift cutters "ox-toe cutters "ox-toe cutters "outsole graders and skivers "outsole grade painters "ap graders and skivers "ap butters "ap butters "ap sorters "ap casers "ap casers "ap casers "outers-away (tap) "nsole graders and skivers "nsole-split sorters "nsole-split sorters "nsole-grade painters "utters-away (insole)   | 6, 60<br>30, 25<br>27, 50<br>15, 15<br>23, 10<br>12, 73<br>17, 89<br>14, 90<br>12, 56<br>5, 50<br>9, 02<br>5, 70<br>2, 24<br>2, 25<br>11, 93<br>1, 84   | .0300<br>.1240<br>.1590<br>.0620<br>.0100<br>.0425<br>.0975<br>.0475<br>.0475<br>.0450<br>.0233<br>.0036<br>.0113<br>.0400<br>.0650<br>.0650<br>.0020          | . 2460<br>. 3273<br>. 2455<br>. 3273<br>. 2727<br>. 2003<br>. 3270<br>. 1911<br>. 1909<br>. 2993<br>. 2453<br>. 2462<br>. 3013<br>. 1907<br>. 3269<br>. 1905<br>. 1905<br>. 2185 | 198. 35 218. 18 396. 04 259. 74 2, 727. 27 471. 33 335. 38 402. 68 477. 71 1, 090. 91 1, 052. 63 2, 564. 10 2, 666. 67 476. 95 502. 93 9, 523. 81 3, 260. 87                     |
| burlap cutters, insole 'ap-stock sorters, skivers, etc 'ap cutters 'op-lift stock sorters, skivers, etc. 'op-lift stock sorters, skivers, etc. 'op-lift cutters 'ox-toe cutters 'ox-toe cutters 'ox-toe cutters 'ox-toe cutters 'ox-toe cutters 'ox-toe cutters 'ox-toe cutters 'ox-toe cutters 'ox-toe cutters 'ap ox-toe cutters 'ap anders and skivers 'ap sorters 'ap sorters 'ap sorters 'ap sorters 'ap wirers 'utters-away (tap) 'nsole graders and skivers 'nsole-split sorters 'utters-away (insole) 'utters-away (insole) 'utters-away (insole) 'nsole casers 'utters-away (insole) 'nsole casers 'utters-away (insole) 'nsole casers 'nsole buffers   | 6,60<br>30,25<br>27,50<br>15,15<br>23,20<br>12,73<br>17,89<br>14,90<br>12,56<br>5,50<br>9,02<br>5,50<br>12,25<br>12,58<br>11,93<br>1,84<br>6,73<br>7,33 | .0300<br>.1240<br>.1500<br>.0620<br>.1260<br>.0100<br>.0425<br>.0975<br>.0475<br>.0450<br>.0175<br>.0450<br>.0233<br>.0096<br>.0113<br>.0490<br>.0650<br>.0650 | . 2460<br>. 3273<br>. 2455<br>. 3273<br>. 2727<br>. 2003<br>. 3270<br>. 1911<br>. 1909<br>. 2993<br>. 2463<br>. 2462<br>. 3013<br>. 1907<br>. 3269<br>. 1907                     | 198, 35 218, 18 396, 04 259, 74 2, 727, 27 471, 33 335, 38 402, 68 477, 71 1, 900, 91 665, 19 1, 052, 666, 67 476, 95 502, 93 9, 523, 81   |

TIME AND LABOR COST, BY OCCUPATIONS, IN THE MANUFACTURE OF 100 PAIRS OF WELT SHOES, THE RATE OF WAGES OR EARNINGS PER HOUR, AND THE NUMBER OF PAIRS WORKED ON PER HOUR—Continued.

| Department and occupation.<br>$\boldsymbol{\cdot}$   | Time<br>cost of<br>100 pairs<br>(minutes).   | Labor<br>cost of<br>100 pairs.  | Hourly<br>wages.  | Number<br>of pairs<br>worked<br>on per<br>hour.  |
|--|--|---|---|--|
| SOLE-LEATHER DEPARTMENT—concluded.   |  |   | <u> </u>  |  |
| Insole gem-duck casers Putters-away (insole buckram) Insole buckram casers Collectors and shippers Box-toe skivers Box-toe sorters Counter fiber-edge trimmers. Counter fiber strippers Counter cutters Counter cutters Counter ratices (for end trim) Counter-end trimmers Counter renders Counter rollers Counter molders Dryer-box emptiers Counter molders Dryer-box emptiers Counter waterproofers Welt groovers and bevelers Welt packers and shippers Putters-away (outsole) Outsole casers. Outsole casers. Outsole shippers Box-toe tiers-up Box-toe shippers Putters-away (counters) Counter saway counters) Counter saway (counters) Counter shippers Putters-away (counters) Counter shippers Putters-away (counters) Counter shippers Pounter casers Counter shippers | 5. 50<br>2. 36   | \$0, 0192<br>0018<br>0275<br>0075<br>0230<br>0138<br>0120<br>0105<br>0200<br>0075<br>0090<br>0088<br>0020<br>0138<br>0025<br>0250<br>0025<br>0025<br>0042<br>0050<br>0158<br>0082<br>0025<br>0042<br>0050<br>0042<br>0050<br>0042<br>0050<br>0042<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>0050<br>00 | \$0. 2451<br>2077<br>2452<br>2727<br>2456<br>1903<br>2182<br>2226<br>2182<br>21907<br>2186<br>2015<br>4286<br>1636<br>2183<br>1630<br>1953<br>2174<br>1909<br>3000<br>1907<br>2178<br>2174<br>2450<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2456<br>2466<br>2466<br>2466<br>2466<br>2466<br>2466<br>2466<br>2466<br>2466<br>2466<br>2466<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2467<br>2 | 1, 276. 60 11, 538. 46 891. 53 3, 636. 53 1, 067. 62 1, 379. 31 1, 818. 18 2, 120. 14 1, 909. 91 2, 542. 37 2, 429. 15 2, 220. 08 21, 428. 57 1, 185. 77 264. 55 6, 521. 73 781. 25 8, 995. 65 1, 200. 20 1, 207. 24 2, 222. 22 8, 695. 65 1, 466. 99 636. 27 25, 900. 00 1, 634. 88 3, 529. 41 12, 755. 96 21, 428. 57 1, 338. 29 |
| Organization.  | 1 50.95  | .0183<br>.0018<br>.3133<br>.7656  | . 2451<br>. 2455<br>. 2161<br>. 3198  | 1,339.29<br>13,636.36<br>68.98<br>41.77  |
| HEEL DEPARTMENT.  Heeling-stock skivers, sorters, etc. Heel builders. Rough sorters. Heel gougers. Heel skivers. Heel compressors. Heel compressors. Top-lift graders. Top-lift graders. Top-lift sorters. Top-lift compressors. Top-lift compressors. Heel casers. Daywork. Organization.  MANUFACTURING DEPARTMENT.  | 58. 65<br>167. 17<br>13. 44<br>5. 66<br>4. 72<br>9. 03<br>8. 80<br>3. 44<br>2. 75<br>8. 66<br>6. 73<br>5. 70<br>5. 70<br>48. 73<br>48. 73<br>48. 73<br>48. 73          | . 2400<br>.7600<br>.0550<br>.0180<br>.0150<br>.0288<br>.0400<br>.0125<br>.0075<br>.0275<br>.0275<br>.0233<br>.0233<br>.1840   | . 2455<br>. 2728<br>. 2455<br>. 1908<br>. 1907<br>. 1914<br>. 2727<br>. 2180<br>. 1636<br>. 1905<br>. 2453<br>. 2453<br>. 2453<br>. 2266<br>. 2974  | 102. 30<br>35. 89<br>446. 43<br>1,060. 07<br>1,271. 19<br>664. 45<br>681. 82<br>1,744. 19<br>2, 181. 82<br>692. 84<br>891. 53<br>1,052. 63<br>1,052. 63<br>123. 13   |
| Markers (for tips). Vamp cut-off skivers. Heal-seam skivers Vamp-extension pasters Vamp doublers Side liners Top skivers (corner of heel) Top skivers (at bottom) Top doublers Reinforced-stay pasters Steneil liners Lasting-tape stitchers Tip stitchers Box-toe to vamp stitchers Vamp seamers Vamp stayers. Top rubbers Bockstay stitchers Top rubbers Backstay stitchers Backstay stitchers   | 22. 91<br>11. 45<br>22. 91<br>27. 42<br>53. 35<br>27. 59<br>22. 91<br>22. 91<br>25. 28<br>53. 35<br>13. 39<br>68. 72<br>53. 51<br>39. 28<br>41. 09<br>29. 21<br>15. 27 | . 0625<br>. 0416<br>. 0833<br>. 0625<br>. 1250<br>. 0626<br>. 0625<br>. 0625<br>. 0625<br>. 1250<br>. 0416<br>. 1875<br>. 1458<br>. 1250<br>. 0938<br>. 0116<br>. 4166  | . 1637<br>. 2180<br>. 2182<br>. 1368<br>. 1406<br>. 1448<br>. 1637<br>. 1637<br>. 1493<br>. 1496<br>. 1907<br>. 1637<br>. 2121<br>. 1635<br>. 1909<br>. 1825<br>. 1927<br>. 1635<br>. 1927<br>. 1635<br>. 1927<br>. 1635<br>. 1927<br>. 1635<br>. 1927  | 261. 89 524. 02 261. 89 218. 82 112. 46 217. 47 261. 89 237. 34 112. 46 458. 37 87. 31 113. 10 112. 13 152. 75 146. 02 205. 41 392. 93 52. 37  |

TIME AND LABOR COST, BY OCCUPATIONS, IN THE MANUFACTURE OF 100 PAIRS OF WELT SHOES, THE RATE OF WAGES OR EARNINGS PER HOUR, AND THE NUMBER OF PAIRS WORKED ON PER HOUR—Continued.

| Department and occupation.  | Time<br>cost of<br>100 pairs<br>(minutes). | Labor<br>cost of<br>100 pairs.                   | Hourly<br>wages. | Number<br>of pairs<br>worked<br>on per<br>hour. |
|---|--|--|------------------|---|
| MANUFACTURING DEPARTMENT—continued.   |  |  |                  |   |
| Heel-stay stitchers   | 76, 42                                     | \$0. 2083  | <b>\$0.</b> 1635 | 78.   |
| op-facing stitchers<br>yelet-facing stitchers<br>titchers and trimmers<br>yeletters   | 39. 28                                     | . 1250   | . 1909           | 152.  |
| titchers and trimmers   | 95. 99                                     | . 2917   | . 1823<br>. 2460 | 62.<br>26.                                      |
| Eveletters  | 223. 58<br>40. 74                          | . 1668   | . 2457           | 20.<br>147.                                     |
| veteters veelining seamers veelining seamers vampers vampers vizers-out vitsole shankers-out vitsole size stampers van cementers  | 26. 19                                     | . 0833   | .1908            | 229.  |
| oe-lining seamers   | 45, 83                                     | . 1250   | . 1636           | 130.  |
| ampers  | 341. 46<br>18. 33                          | 1.5832<br>.0416                                  | . 2782<br>. 1362 | 17.<br>327.                                     |
| hitsole shankers-out  | 20.37                                      | .0556  | .1638            | 327.<br>294.                                    |
| Outsole size stampers   | 9.17                                       | .0250  | . 1636           | 654.  |
| ap cementers  | 10, 83                                     | . 0278   | . 1540           | 554.  |
| Heel dippers (in waterproofing)   | 15. 28                                     | . 0416   | . 1634           | 392.  |
| Cap scourers  | 10. 83<br>12. 21                           | . 0278   | . 1540<br>. 1636 | 554.<br>491.                                    |
| Outsole counters and craters  | . 6.55                                     | . 0208   | . 1905           | 916.  |
| outsole counters and craters  | 4, 58                                      | . 0125   | . 1638           | 1,310.  |
|   | 15. 28                                     | . 0625   | . 2454           | 392.  |
| nsole channelers  | 33.37                                      | . 1668   | . 2999           | 179.  |
| nsole dippers (in stiffener)  | 7. 64<br>3. 82                             | .0208  | . 1634<br>. 1634 | 785.<br>1,570.                                  |
| asole channelers<br>asole-lip cutters (at toe)<br>asole dippers (in stiffener)<br>asole-lip turners   | 38. 20                                     | . 1041   | 1635             | 157.  |
| nsole-lip reinforcers<br>nsole scourer and size stamper<br>nsole welt-line markers and casers   | 45, 83                                     | . 1250   | . 1636 1         | 130.  |
| asole scourer and size stamper  | 9. 17                                      | .0208  | . 1361           | 654.  |
| asola formers (in cloth)  | 12, 21<br>65, 53                           | $0278 \ 1582$                                    | . 1366           | 491.<br>91.                                     |
| isole wen-line markers and casers. isole-lip trimmers. isole-lip straighteners. isole-lip straighteners. isole-lip stiffeners. isole counters and casers.                   | 30. 59                                     | . 0833   | .1634            | 196.  |
| asole-lip straighteners   | 16. 26                                     | .0500  | . 1845           | 369.  |
| asole-lip stiffeners  | 15. 28                                     | .0416  | . 1634           | 392.  |
| nsole counters and casers   | 8. 62<br>13. 09                            | . 0208   | . 1448<br>. 1911 | 696.<br>458.                                    |
| asore counters and easers. ast casers-up. nsole tackers (to last) nsole trimmers (at heel). ast chulkers.   | 32.74                                      | . 0417   | .1908            | 183.  |
| nsole trimmers (at heel)  | 13.09                                      | .0416  | . 1907           | 458.  |
| ast chalkers  | 18.34                                      | . 0500   | . 1636           | 327.  |
| pper maters.  | 15. 27<br>86. 48                           | . 0417<br>. 3541                                 | . 1639<br>. 2457 | 392.<br>69.                                     |
| lox shellackers   | 34. 40                                     | .0938  | .1636            | 174.  |
| ssemblers onx shellackers 'amp wetters (for pull-over) 'ullers-over (Rex machine) ide la ters (C. H. M. machine) Icel and toe laster oe-tack pullers 'rimmers-out tiffeners | 15. 27                                     | . 0417   | . 1639           | 392.  |
| Pullers-over (Rex machine)  | 104. 76                                    | . 6665   | .3817            | 57.   |
| Ide lasters (C. H. M. machine)  | 125. 00<br>269. 61                         | $\begin{array}{c c} .6250 \\ 1.5832 \end{array}$ | .3000            | 48.<br>22.                                      |
| oe-tack pullers   | 32. 79                                     | . 1041   | . 1905           | 182.  |
| rimmers-out   | 22, 91                                     | . 0625   | . 1637           | 261.  |
| tiffeners   | 11. 45                                     | .0362  | . 1897           | 524.  |
|   | 9.83<br>11,94                              | . 0362   | . 2210<br>. 1884 | 610.<br>502.                                    |
| heckers-outack pullers  | 72. 08                                     | 2292   | .1908            | 83.   |
| Jaltore   | 97.00                                      | .7498  | . 4638           | 61.   |
| ide-tack pullers  | 20. 37                                     | . 0552   | . 1626           | 294.  |
| ide-tack pullers<br>nseam trimmers<br>Velt beaters  | 81, 50<br>29, 41                           | . 3333   | . 2454<br>. 1914 | 73.<br>204.                                     |
| reit beaters  | 30, 56                                     | .0938  | .1635            | 196.  |
| asole-tack knockers<br>tickers-in (shank)<br>ottom fillers<br>ottom cementers   | 29. 41                                     | .0938  | 1914             | 204.  |
| ottom fillers   | 54.38                                      | . 1668   | . 1840           | 110.  |
| ottom cementers   | 22. 91                                     | .0625  | . 1637           | 261.  |
| ole layers<br>eel-scat nailers<br>(aters (for levelers).  | 40. 74<br>34. 38                           | . 1668   | 2457 $2182$      | 147.<br>174.                                    |
| [aters (for levelers)   | 22, 91                                     | .0416  | . 1089           | 261.  |
| utsole rounders<br>eel-seat rounders  | 65. 07                                     | . 4791   | . 4418           | 92.   |
| eel-seat rounders   | 19.65                                      | . 0625   | . 1908           | 305.<br>130.                                    |
| hannel openers<br>titchers  | 45, 83<br>162, 24                          | $.1250 \\ .9583$                                 | . 1636<br>. 3544 | 130.<br>36.                                     |
| hannel cementers  | 30, 56                                     | .0833  | .1635            | 196.  |
| hannel layers   | 45. 83                                     | . 1668   | . 2184           | 130.  |
| hannel cementers<br>hannel layers<br>/heel stitchers<br>pper-edge blackers  | 34. 85                                     | . 1108   | . 1908           | 172.  |
| pper-edge blackersevelers   | 22. 91<br>30. 56                           | . 0625   | . 1637           | 261.<br>196.                                    |
|   | 39. 30                                     | . 1250   | . 1908           | 190.<br>152.                                    |
| ast pullers   | 10.48                                      | . 0333   | . 1906           | 572.  |
| leel tenders  | 58. 39                                     | . 1771   | . 1820           | 102.  |
| leelers<br>luggers  | 56. 41                                     | . 3333   | . 3545           | 106.  |
| eel trimmers  | 40. 74<br>35. 98                           | . 1668   | . 2457           | 147.<br>166.                                    |
| eel breasters   | 30, 56                                     | 1250   | . 3822           | 196.<br>196.                                    |

TIME AND LABOR COST, BY OCCUPATIONS, IN THE MANUFACTURE OF 100 PAIRS OF WELT SHOES, THE RATE OF WAGES OR EARNINGS PER HOUR, AND THE NUMBER OF PAIRS WORKED ON PER HOUR—Concluded.

| ${f Department}$ and occupation.   | Time<br>cost of<br>100 pairs<br>(minutes).   | Labor<br>cost of<br>100 pairs.  | Hourly<br>wages.  | Number<br>of pairs<br>worked<br>on per<br>hour.  |
|--|--|---|---|--|
| MANUFACTURING DEPARTMENT—concluded.  |  |   |   |  |
| Heel-breast scourers. Edge trimmers. Knifers-up (machine) Heel sourbers (first) Edge setters Edge brushers-up Stitch polishers. Heel scourers (second) Heel blurnishers. Heel blurnishers. Shank and top-lift scourers Dusters and gummers. Painters. Gummers and polishers Stripers. Heel-breast painters Top-lift rollers Bottom waxers. Shank nailers Forepart stampers Shank nailers Forepart stampers Shank tampers Maters (for treers) Treers (machine) Putters-in (heel pins) Dull leather repairers Fillers (tip) Oilers. Stitch brushers Dressers Lacers Brushers. Maters (for inspectors) Packers. Brushers. Maters (for inspectors) Packers. Daywork Organization | 34, 38 171, 34 54, 38 41, 22 114, 58 117, 46 30, 56 32, 05 18, 34 45, 83 100, 73 38, 20 54, 38 71, 34 36, 66 19, 65 19, 6 | \$0.0938 1.1666 1.1668 1.1668 1.1875 1.6252 1.0833 1.1459 1.0416 1.0618 1.0022 1.0667 1.334 1.041 1.0625 1.0625 1.0625 1.0417 1.7608 1.0667 1.1875 1.0833 1.2500 1.0558 1.2500 1.0558 1.2500 1.0558 1.2500 1.0558 1.2500 1.0558 1.2500 1.0558 1.2500 1.0417 1.1081 1.4629 1.4410 1.4629 1.4410 1.4629 1.4410 1.4629 1.4410 1.4629 1.4410 1.4629 1.44806 1.4629 1.44806 1.4629 1.44806 | \$0. 1637<br>. 4085<br>. 1840<br>. 2729<br>. 3274<br>. 1897<br>. 1635<br>. 2731<br>. 1361<br>. 2727<br>. 2728<br>. 1635<br>. 1636<br>. 1640<br>. 2454<br>. 1640<br>. 1910<br>. 1908<br>. 1908<br>. 1908<br>. 1908<br>. 1908<br>. 1908<br>. 1908<br>. 1908<br>. 1908<br>. 1908<br>. 1908<br>. 1908<br>. 1908<br>. 1908<br>. 1908<br>. 1908<br>. 1909<br>. 1461<br>. 1909<br>. 1461<br>. 1909<br>. 1461<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909<br>. 1909 | 174, 52 35, 02 110, 33 145, 56 52, 37 343, 64 196, 34 187, 21 1327, 15 130, 92 59, 57 157, 07 110, 33 84, 10 163, 67 286, 40 143, 13 209, 50 305, 34 305, 34 305, 34 305, 34 305, 34 305, 34 305, 34 305, 34 305, 34 305, 34 305, 34 305, 34 305, 34 305, 34 317, 63 76, 37 229, 10 76, 37 196 |
| Organization.  | 1 8, 574. 78   | 36. 8334  | . 2577  | 0.70   |

<sup>1 142.9</sup> hours.

