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## WIRE AND WIRE PRODUCTS MANUFACTURERS

1963

Data presented in this report under the heading of Wire and Wire Products Manufacturers reflect implementation of the revised Standard Industrial Classification (S.I.C.) and the New Establishment Concept which are being used by the Dominion Bureau of Statistics in its compilation of industry statistics—see items "Standard Industrial Classification" and "Establishment" in the Explanatory Notes section of this report. For statistical purposes the industry titled Wire and Wire Products Manufacturers in the revised Standard Industrial Classification covers the operations of establishments primarily engaged in drawing wire from rods and in manufacturing nails, spikes, staples, bolts, nuts, rivets, screws, washers, wire fencing, screening, wire cloth, barbed wire, tire chains, uninsulated wire rope and cable, kitchen wire goods and other wire products. Establishments primarily engaged in manufacturing insulated wire and cable are included in Industry No. 338—Manufacturers of Electric Wire and Cable.

### SYMBOLS

The following standard symbols are used in Dominion Bureau of Statistics publications:

- .. figures not available.
- ... figures not appropriate or not applicable.
- nil or zero.
- amount too small to be expressed.
- ▮ preliminary figures.
- ⌞ revised figures.
- x confidential to meet secrecy requirements of the Statistics Act.

TABLE 1 A. Principal Statistics classified by Province, 1962 and 1963

| Year and province                     | Establishments | Manufacturing activity         |                |        |                              |                                |  |             | Total activity              |             |                 |                    |                   |
|---------------------------------------|----------------|--------------------------------|----------------|--------|------------------------------|--------------------------------|--|-------------|-----------------------------|-------------|-----------------|--------------------|-------------------|
|                                       |                | Production and related workers |                |        | Cost of fuel and electricity | Cost of materials and supplies | Value of shipments of goods of own manufacture | Value added | Working owners and partners |             | Total employees |                    | Total value added |
|                                       |                | Number                         | Man-hours paid | Wages  |                              |                                |  |             | Number                      | Withdrawals | Number          | Salaries and wages |                   |
|                                       | No.            |                                | '000           |        |                              | \$'000                         |  |             |                             | \$'000      |                 | \$'000             |                   |
| 1961                                  |                |                                |                |        |                              |                                |  |             |                             |             |                 |                    |                   |
| Totals .....                          | 200            | 9,099                          | 19,470         | 40,148 | 3,062                        | 124,029                        | 220,940  | 93,197      | 48                          | 195         | 12,227          | 58,484             | 95,581            |
| 1962                                  |                |                                |                |        |                              |                                |  |             |                             |             |                 |                    |                   |
| Newfoundland .....                    | 1              | 117                            | 277            | 561    | 100                          | 1,678                          | 2,537  | 582         | —                           | —           | 143             | 703                | 580               |
| Prince Edward Island .....            | —              |                                |                |        |                              |                                |  |             |                             |             |                 |                    |                   |
| Nova Scotia .....                     | 1              |                                |                |        |                              |                                |  |             |                             |             |                 |                    |                   |
| New Brunswick .....                   | 2              |                                |                |        |                              |                                |  |             |                             |             |                 |                    |                   |
| Quebec .....                          | 52             | 3,103                          | 6,914          | 13,351 | 1,038                        | 47,304                         | 79,995   | 32,394      | 10                          | 41          | 4,058           | 19,340             | 34,108            |
| Ontario .....                         | 121            | 6,012                          | 12,820         | 27,976 | 1,957                        | 83,639                         | 150,199  | 65,832      | 33                          | 115         | 8,098           | 39,676             | 66,750            |
| Manitoba .....                        | 4              | 83                             | 168            | 306    | 19                           | 1,336                          | 2,548  | 1,218       | x                           | x           | 108             | 419                | 1,213             |
| Saskatchewan .....                    | —              |                                |                |        |                              |                                |  |             |                             |             |                 |                    |                   |
| Alberta .....                         | 7              |                                |                |        |                              |                                |  |             |                             |             |                 |                    |                   |
| British Columbia .....                | 22             | 436                            | 842            | 1,916  | 156                          | 6,431                          | 12,744   | 6,238       | x                           | x           | 638             | 3,249              | 6,429             |
| Yukon and Northwest Territories ..... | —              | —                              | —              | —      | —                            | —                              | —  | —           | —                           | —           | —               | —                  | —                 |
| Totals .....                          | 210            | 9,751                          | 21,020         | 44,110 | 3,270                        | 140,388                        | 248,023  | 106,264     | 48                          | 175         | 13,045          | 63,387             | 109,080           |
| 1963                                  |                |                                |                |        |                              |                                |  |             |                             |             |                 |                    |                   |
| Newfoundland .....                    | 1              | 105                            | 243            | 533    | 97                           | 1,581                          | 2,262  | 521         | —                           | —           | 131             | 676                | 571               |
| Prince Edward Island .....            | —              |                                |                |        |                              |                                |  |             |                             |             |                 |                    |                   |
| Nova Scotia .....                     | 1              |                                |                |        |                              |                                |  |             |                             |             |                 |                    |                   |
| New Brunswick .....                   | 2              |                                |                |        |                              |                                |  |             |                             |             |                 |                    |                   |
| Quebec .....                          | 53             | 3,223                          | 7,161          | 14,658 | 1,132                        | 53,335                         | 90,706   | 36,663      | 5                           | 20          | 4,250           | 21,058             | 38,390            |
| Ontario .....                         | 122            | 6,453                          | 13,722         | 30,286 | 2,060                        | 93,530                         | 167,364  | 72,256      | 26                          | 105         | 8,581           | 42,619             | 73,409            |
| Manitoba .....                        | 5              | 28                             | 56             | 86     | 5                            | 121                            | 286  | 168         | x                           | x           | 34              | 106                | 168               |
| Saskatchewan .....                    | —              | —                              | —              | —      | —                            | —                              | —  | —           | —                           | —           | —               | —                  | —                 |
| Alberta .....                         | 7              | 67                             | 137            | 284    | 19                           | 1,302                          | 2,093  | 792         | x                           | x           | 92              | 445                | 784               |
| British Columbia .....                | 22             | 452                            | 914            | 2,107  | 158                          | 7,415                          | 14,547   | 6,957       | x                           | x           | 655             | 3,412              | 7,401             |
| Yukon and Northwest Territories ..... | —              | —                              | —              | —      | —                            | —                              | —  | —           | —                           | —           | —               | —                  | —                 |
| Totals .....                          | 213            | 10,328                         | 22,232         | 47,954 | 3,471                        | 157,284                        | 277,258  | 117,357     | 35                          | 141         | 13,743          | 68,317             | 120,723           |



TABLE 1 B. Principal Statistics classified by Size Groups based on Shipments of Goods of Own Manufacture, 1962 and 1963

| Size group  | Estab-<br>lish-<br>ments | Manufacturing activity            |                       |               |   |   |   |                | Total activity                 |                  |                    |                          |                         |
|---|--------------------------|-----------------------------------|-----------------------|---------------|---|---|---|----------------|--------------------------------|------------------|--------------------|--------------------------|-------------------------|
|   |                          | Production and<br>related workers |                       |               | Cost of<br>fuel and<br>elec-<br>tricity | Cost of<br>materials<br>and<br>supplies | Value of<br>shipments<br>of goods<br>of own<br>manu-<br>facture | Value<br>added | Working owners<br>and partners |                  | Total<br>employees |                          | Total<br>value<br>added |
|   |                          | Number                            | Man-<br>hours<br>paid | Wages         |   |   |   |                | Number                         | With-<br>drawals | Number             | Salaries<br>and<br>wages |                         |
|   | No.                      |                                   | '000                  |               |   | \$'000                                  |   |                |                                | \$'000           |                    | \$'000                   |                         |
| <b>1962</b>   |                          |                                   |                       |               |   |   |   |                |                                |                  |                    |                          |                         |
| Under \$10,000.....                                     | 8                        | 3                                 | 3                     | 5             | 2                                       | 13                                      | 46  | 28             | 8                              | 17               | 5                  | 7                        | 30                      |
| \$ 10,000 to \$ 24,999.....                             | 12                       | 12                                | 17                    | 27            | 5                                       | 54                                      | 175   | 116            | 11                             | 36               | 15                 | 31                       | 116                     |
| 25,000 " 49,999.....                                    | 25                       | 73                                | 142                   | 229           | 17                                      | 298                                     | 910   | 596            | 13                             | 47               | 94                 | 299                      | 625                     |
| 50,000 " 99,999.....                                    | 29                       | 161                               | 331                   | 514           | 35                                      | 735                                     | 2,042   | 1,266          | 11                             | 42               | 207                | 710                      | 1,296                   |
| 100,000 " 199,999.....                                  | 26                       | 254                               | 543                   | 896           | 48                                      | 1,604                                   | 3,951   | 2,312          | 4                              | 28               | 324                | 1,234                    | 2,335                   |
| 200,000 " 499,999.....                                  | 39                       | 938                               | 2,042                 | 3,170         | 189                                     | 5,138                                   | 12,915  | 7,649          | 1                              | 5                | 1,183              | 4,670                    | 8,109                   |
| 500,000 " 999,999.....                                  | 27                       | 1,008                             | 2,219                 | 3,659         | 217                                     | 8,914                                   | 17,998  | 9,083          | —                              | —                | 1,337              | 5,412                    | 9,127                   |
| 1,000,000 " 4,999,999.....                              | 31                       | 2,842                             | 6,083                 | 12,866        | 924                                     | 35,423                                  | 73,430  | 37,540         | —                              | —                | 4,008              | 19,580                   | 39,436                  |
| 5,000,000 and over.....                                 | 13                       | 4,460                             | 9,640                 | 22,743        | 1,833                                   | 88,209                                  | 136,557   | 47,673         | —                              | —                | 5,872              | 31,444                   | 48,005                  |
| Head offices, sales offices and<br>auxiliary units..... | —                        | —                                 | —                     | —             | —                                       | —                                       | —   | —              | —                              | —                | —                  | —                        | —                       |
| <b>Totals</b> .....                                     | <b>210</b>               | <b>9,751</b>                      | <b>21,020</b>         | <b>44,110</b> | <b>3,270</b>                            | <b>140,388</b>                          | <b>248,023</b>  | <b>106,264</b> | <b>48</b>                      | <b>175</b>       | <b>13,045</b>      | <b>63,387</b>            | <b>109,080</b>          |
| <b>1963</b>   |                          |                                   |                       |               |   |   |   |                |                                |                  |                    |                          |                         |
| Under \$10,000.....                                     | 4                        | —                                 | —                     | —             | 1                                       | 6                                       | 28  | 22             | 4                              | 15               | —                  | —                        | 22                      |
| \$ 10,000 to \$ 24,999.....                             | 14                       | 13                                | 27                    | 38            | 5                                       | 89                                      | 236   | 143            | 11                             | 39               | 16                 | 49                       | 143                     |
| 25,000 " 49,999.....                                    | 19                       | 41                                | 82                    | 133           | 10                                      | 254                                     | 677   | 424            | 7                              | 25               | 57                 | 202                      | 424                     |
| 50,000 " 99,999.....                                    | 34                       | 166                               | 341                   | 576           | 45                                      | 961                                     | 2,313   | 1,327          | 12                             | 58               | 216                | 793                      | 1,365                   |
| 100,000 " 199,999.....                                  | 26                       | 261                               | 524                   | 893           | 45                                      | 1,614                                   | 3,674   | 2,172          | 1                              | 5                | 341                | 1,290                    | 2,257                   |
| 200,000 " 499,999.....                                  | 39                       | 798                               | 1,732                 | 2,988         | 176                                     | 5,664                                   | 12,801  | 7,100          | —                              | —                | 1,025              | 4,336                    | 7,678                   |
| 500,000 " 999,999.....                                  | 31                       | 1,261                             | 2,749                 | 4,598         | 255                                     | 10,691                                  | 21,507  | 10,950         | —                              | —                | 1,619              | 6,785                    | 11,417                  |
| 1,000,000 " 4,999,999.....                              | 30                       | 2,573                             | 5,601                 | 12,045        | 868                                     | 34,605                                  | 69,389  | 33,218         | —                              | —                | 3,663              | 18,297                   | 34,898                  |
| 5,000,000 and over.....                                 | 16                       | 5,215                             | 11,176                | 26,682        | 2,066                                   | 103,401                                 | 166,633   | 62,000         | —                              | —                | 6,806              | 36,564                   | 62,521                  |
| Head offices, sales offices and<br>auxiliary units..... | —                        | —                                 | —                     | —             | —                                       | —                                       | —   | —              | —                              | —                | —                  | —                        | —                       |
| <b>Totals</b> .....                                     | <b>213</b>               | <b>10,328</b>                     | <b>22,232</b>         | <b>47,954</b> | <b>3,471</b>                            | <b>157,284</b>                          | <b>277,258</b>  | <b>117,357</b> | <b>35</b>                      | <b>141</b>       | <b>13,743</b>      | <b>68,317</b>            | <b>120,723</b>          |

TABLE 1 C. Principal Statistics classified by Size Groups based on Manufacturing Value Added, 1962 and 1963

| Size group  | Estab-<br>lish-<br>ments | Manufacturing activity            |                       |               |   |   |   |                | Total activity                 |                  |                    |                          |                         |
|---|--------------------------|-----------------------------------|-----------------------|---------------|---|---|---|----------------|--------------------------------|------------------|--------------------|--------------------------|-------------------------|
|   |                          | Production and<br>related workers |                       |               | Cost of<br>fuel and<br>elec-<br>tricity | Cost of<br>materials<br>and<br>supplies<br>used | Value of<br>shipments<br>of goods<br>of own<br>manu-<br>facture | Value<br>added | Working owners<br>and partners |                  | Total<br>employees |                          | Total<br>value<br>added |
|   |                          | Number                            | Man-<br>hours<br>paid | Wages         |   |   |   |                | Number                         | With-<br>drawals | Number             | Salaries<br>and<br>wages |                         |
|   | No.                      |                                   | '000                  |               |   | \$'000  |   |                |                                | \$'000           |                    | \$'000                   |                         |
| <b>1962</b>   |                          |                                   |                       |               |   |   |   |                |                                |                  |                    |                          |                         |
| Under \$10,000.....                                     | 17                       | 8                                 | 10                    | 14            | 6                                       | 53  | 166   | 105            | 17                             | 46               | 13                 | 19                       | 107                     |
| \$ 10,000 to \$ 24,999.....                             | 21                       | 52                                | 99                    | 158           | 13                                      | 315   | 719   | 384            | 9                              | 30               | 70                 | 213                      | 398                     |
| 25,000 " 49,999.....                                    | 27                       | 121                               | 231                   | 383           | 27                                      | 633   | 1,597   | 938            | 13                             | 52               | 155                | 516                      | 965                     |
| 50,000 " 99,999.....                                    | 30                       | 290                               | 618                   | 1,012         | 80                                      | 2,384   | 4,621   | 2,180          | 7                              | 33               | 368                | 1,422                    | 2,271                   |
| 100,000 " 199,999.....                                  | 27                       | 419                               | 890                   | 1,397         | 77                                      | 2,500   | 6,212   | 3,651          | 2                              | 13               | 544                | 2,053                    | 3,934                   |
| 200,000 " 499,999.....                                  | 47                       | 1,706                             | 3,777                 | 6,266         | 432                                     | 14,954  | 29,992  | 14,680         | —                              | —                | 2,182              | 8,988                    | 14,884                  |
| 500,000 " 999,999.....                                  | 17                       | 1,097                             | 2,357                 | 4,422         | 314                                     | 13,797  | 27,532  | 13,443         | —                              | —                | 1,569              | 7,213                    | 14,757                  |
| 1,000,000 " 4,999,999.....                              | 24                       | 6,058                             | 13,038                | 30,457        | 2,320                                   | 105,753   | 177,184   | 70,884         | —                              | —                | 8,144              | 42,963                   | 71,763                  |
| 5,000,000 and over.....                                 |                          |                                   |                       |               |   |   |   |                |                                |                  |                    |                          |                         |
| Head offices, sales offices and<br>auxiliary units..... | —                        | —                                 | —                     | —             | —                                       | —   | —   | —              | —                              | —                | —                  | —                        | —                       |
| <b>Totals</b> .....                                     | <b>210</b>               | <b>9,751</b>                      | <b>21,020</b>         | <b>44,110</b> | <b>3,270</b>                            | <b>140,388</b>                                  | <b>248,023</b>  | <b>106,264</b> | <b>48</b>                      | <b>175</b>       | <b>13,045</b>      | <b>63,387</b>            | <b>109,080</b>          |
| <b>1963</b>   |                          |                                   |                       |               |   |   |   |                |                                |                  |                    |                          |                         |
| Under \$10,000.....                                     | 11                       | 3                                 | 6                     | 8             | 3                                       | 48  | 127   | 76             | 9                              | 27               | 4                  | 10                       | 76                      |
| \$ 10,000 to \$ 24,999.....                             | 23                       | 39                                | 79                    | 129           | 11                                      | 313   | 728   | 406            | 13                             | 53               | 53                 | 188                      | 406                     |
| 25,000 " 49,999.....                                    | 32                       | 142                               | 289                   | 475           | 42                                      | 841   | 2,014   | 1,158          | 10                             | 49               | 189                | 681                      | 1,196                   |
| 50,000 " 99,999.....                                    | 32                       | 305                               | 617                   | 1,056         | 50                                      | 2,146   | 4,568   | 2,377          | 3                              | 13               | 367                | 1,465                    | 2,496                   |
| 100,000 " 199,999.....                                  | 26                       | 446                               | 954                   | 1,562         | 115                                     | 4,234   | 7,865   | 3,830          | —                              | —                | 572                | 2,245                    | 4,033                   |
| 200,000 " 499,999.....                                  | 44                       | 1,681                             | 3,713                 | 6,430         | 427                                     | 15,660  | 29,857  | 14,161         | —                              | —                | 2,093              | 9,169                    | 17,735                  |
| 500,000 " 999,999.....                                  | 15                       | 1,014                             | 2,193                 | 4,093         | 254                                     | 10,656  | 21,602  | 10,454         | —                              | —                | 1,343              | 5,821                    | 11,598                  |
| 1,000,000 " 4,999,999.....                              | 27                       | 4,728                             | 10,259                | 23,950        | 1,862                                   | 86,636  | 155,519   | 67,220         | —                              | —                | 6,589              | 34,865                   | 68,419                  |
| 5,000,000 and over.....                                 | 3                        | 1,970                             | 4,123                 | 10,250        | 708                                     | 36,749  | 54,978  | 17,675         | —                              | —                | 2,513              | 13,873                   | 17,595                  |
| Head offices, sales offices and<br>auxiliary units..... | —                        | —                                 | —                     | —             | —                                       | —   | —   | —              | —                              | —                | —                  | —                        | —                       |
| <b>Totals</b> .....                                     | <b>213</b>               | <b>10,328</b>                     | <b>22,232</b>         | <b>47,954</b> | <b>3,471</b>                            | <b>157,284</b>                                  | <b>277,258</b>  | <b>117,357</b> | <b>35</b>                      | <b>141</b>       | <b>13,743</b>      | <b>68,317</b>            | <b>120,723</b>          |

TABLE 1 D. Principal Statistics classified by Size Groups based on Total Value Added, 1962 and 1963

| Size group  | Estab-<br>lish-<br>ments | Manufacturing activity            |                       |               |   |   |   |                | Total activity                 |                  |                    |                          |                         |
|---|--------------------------|-----------------------------------|-----------------------|---------------|---|---|---|----------------|--------------------------------|------------------|--------------------|--------------------------|-------------------------|
|   |                          | Production and<br>related workers |                       |               | Cost of<br>fuel and<br>elec-<br>tricity | Cost of<br>materials<br>and<br>supplies | Value of<br>shipments<br>of goods<br>of own<br>manu-<br>facture | Value<br>added | Working owners<br>and partners |                  | Total<br>employees |                          | Total<br>value<br>added |
|   |                          | Number                            | Man-<br>hours<br>paid | Wages         |   |   |   |                | Number                         | With-<br>drawals | Number             | Salaries<br>and<br>wages |                         |
|   | No.                      |                                   | '000                  |               |   | \$'000                                  |   |                |                                | \$'000           |                    | \$'000                   |                         |
| <b>1962</b>   |                          |                                   |                       |               |   |   |   |                |                                |                  |                    |                          |                         |
| Under \$10,000.....                                     | 17                       | 8                                 | 10                    | 14            | 6                                       | 53                                      | 166   | 105            | 17                             | 46               | 13                 | 19                       | 107                     |
| \$ 10,000 to \$ 24,999.....                             | 20                       | 49                                | 92                    | 145           | 12                                      | 304                                     | 689   | 366            | 9                              | 30               | 66                 | 198                      | 372                     |
| 25,000 " 49,999.....                                    | 28                       | 124                               | 238                   | 398           | 28                                      | 644                                     | 1,627   | 956            | 13                             | 52               | 159                | 531                      | 991                     |
| 50,000 " 99,999.....                                    | 29                       | 271                               | 580                   | 955           | 55                                      | 2,108                                   | 4,250   | 2,108          | 7                              | 33               | 345                | 1,341                    | 2,152                   |
| 100,000 " 199,999.....                                  | 25                       | 406                               | 862                   | 1,331         | 94                                      | 2,484                                   | 5,793   | 3,229          | 2                              | 13               | 503                | 1,823                    | 3,307                   |
| 200,000 " 499,999.....                                  | 50                       | 1,738                             | 3,844                 | 6,390         | 441                                     | 15,245                                  | 30,782  | 15,174         | —                              | —                | 2,246              | 9,298                    | 15,631                  |
| 500,000 " 999,999.....                                  | 15                       | 968                               | 2,062                 | 3,849         | 254                                     | 11,922                                  | 23,654  | 11,551         | —                              | —                | 1,290              | 5,893                    | 11,654                  |
| 1,000,000 " 4,999,999.....                              | 23                       | 4,463                             | 9,667                 | 22,067        | 1,727                                   | 76,413                                  | 133,648   | 56,685         | —                              | —                | 6,159              | 31,695                   | 58,722                  |
| 5,000,000 and over.....                                 | 3                        | 1,724                             | 3,666                 | 8,963         | 653                                     | 31,214                                  | 47,413  | 16,091         | —                              | —                | 2,264              | 12,589                   | 16,144                  |
| Head offices, sales offices and<br>auxiliary units..... | ...                      | ...                               | ...                   | ...           | ...                                     | ...                                     | ...   | ...            | ...                            | ...              | ...                | ...                      | ...                     |
| <b>Totals .....</b>                                     | <b>210</b>               | <b>9,751</b>                      | <b>21,020</b>         | <b>44,110</b> | <b>3,270</b>                            | <b>140,388</b>                          | <b>248,023</b>  | <b>106,264</b> | <b>48</b>                      | <b>175</b>       | <b>13,045</b>      | <b>63,387</b>            | <b>109,080</b>          |
| <b>1963</b>   |                          |                                   |                       |               |   |   |   |                |                                |                  |                    |                          |                         |
| Under \$10,000.....                                     | 11                       | 3                                 | 6                     | 8             | 3                                       | 48                                      | 127   | 76             | 9                              | 27               | 4                  | 10                       | 76                      |
| \$ 10,000 to \$ 24,999.....                             | 23                       | 39                                | 79                    | 129           | 11                                      | 313                                     | 728   | 406            | 13                             | 53               | 53                 | 188                      | 406                     |
| 25,000 " 49,999.....                                    | 30                       | 132                               | 269                   | 437           | 38                                      | 757                                     | 1,844   | 1,073          | 10                             | 49               | 174                | 611                      | 1,084                   |
| 50,000 " 99,999.....                                    | 32                       | 291                               | 587                   | 1,006         | 50                                      | 2,008                                   | 4,319   | 2,282          | 3                              | 13               | 371                | 1,387                    | 2,309                   |
| 100,000 " 199,999.....                                  | 25                       | 415                               | 887                   | 1,457         | 79                                      | 3,658                                   | 6,950   | 3,494          | —                              | —                | 530                | 2,074                    | 3,648                   |
| 200,000 " 499,999.....                                  | 45                       | 1,646                             | 3,601                 | 6,233         | 439                                     | 15,611                                  | 29,777  | 13,912         | —                              | —                | 2,044              | 8,956                    | 14,339                  |
| 500,000 " 999,999.....                                  | 15                       | 926                               | 2,052                 | 3,667         | 222                                     | 10,060                                  | 19,598  | 9,319          | —                              | —                | 1,211              | 5,131                    | 10,149                  |
| 1,000,000 " 4,999,999.....                              | 29                       | 4,906                             | 10,629                | 24,766        | 1,920                                   | 88,080                                  | 158,937   | 69,120         | —                              | —                | 6,843              | 36,088                   | 70,820                  |
| 5,000,000 and over.....                                 | 3                        | 1,970                             | 4,123                 | 10,250        | 708                                     | 36,749                                  | 54,978  | 17,675         | —                              | —                | 2,513              | 13,873                   | 17,892                  |
| Head offices, sales offices and<br>auxiliary units..... | ...                      | ...                               | ...                   | ...           | ...                                     | ...                                     | ...   | ...            | ...                            | ...              | ...                | ...                      | ...                     |
| <b>Totals .....</b>                                     | <b>213</b>               | <b>10,328</b>                     | <b>22,232</b>         | <b>47,954</b> | <b>3,471</b>                            | <b>157,284</b>                          | <b>277,258</b>  | <b>117,357</b> | <b>35</b>                      | <b>141</b>       | <b>13,743</b>      | <b>68,317</b>            | <b>120,723</b>          |

TABLE 1 E. Principal Statistics classified by Size Groups based on Total Employed, 1962 and 1963

| Size group  | Estab-<br>lish-<br>ments | Manufacturing activity            |                       |               |   |   |   |                | Total activity                 |                  |                    |                          |                         |
|---|--------------------------|-----------------------------------|-----------------------|---------------|---|---|---|----------------|--------------------------------|------------------|--------------------|--------------------------|-------------------------|
|   |                          | Production and<br>related workers |                       |               | Cost of<br>fuel and<br>elec-<br>tricity | Cost of<br>materials<br>and<br>supplies | Value of<br>shipments<br>of goods<br>of own<br>manu-<br>facture | Value<br>added | Working owners<br>and partners |                  | Total<br>employees |                          | Total<br>value<br>added |
|   |                          | Number                            | Man-<br>hours<br>paid | Wages         |   |   |   |                | Number                         | With-<br>drawals | Number             | Salaries<br>and<br>wages |                         |
|   | No.                      |                                   | '000                  |               |   | \$'000                                  |   |                |                                | \$'000           |                    | \$'000                   |                         |
| <b>1962</b>   |                          |                                   |                       |               |   |   |   |                |                                |                  |                    |                          |                         |
| Under 5 employed.....                                   | 39                       | 53                                | 97                    | 161           | 20                                      | 410                                     | 1,003   | 567            | 27                             | 82               | 72                 | 221                      | 584                     |
| 5- 14 ".....  | 56                       | 338                               | 685                   | 1,147         | 84                                      | 2,534                                   | 6,158   | 3,554          | 18                             | 75               | 456                | 1,727                    | 3,676                   |
| 15- 49 ".....   | 60                       | 1,375                             | 3,007                 | 5,101         | 348                                     | 12,992                                  | 26,788  | 13,588         | 2                              | 13               | 1,742              | 7,343                    | 14,038                  |
| 50- 99 ".....   | 23                       | 1,227                             | 2,677                 | 4,630         | 278                                     | 13,916                                  | 27,901  | 14,066         | 1                              | 5                | 1,604              | 6,921                    | 14,537                  |
| 100-199 ".....  | 14                       | 1,306                             | 2,938                 | 5,323         | 415                                     | 16,361                                  | 32,002  | 15,281         | —                              | —                | 1,885              | 8,484                    | 16,630                  |
| 200-499 ".....  | 15                       | 3,718                             | 7,903                 | 18,311        | 1,314                                   | 60,426                                  | 105,618   | 44,677         | —                              | —                | 5,009              | 25,664                   | 45,031                  |
| 500 employed and over.....                              | 3                        | 1,734                             | 3,714                 | 9,437         | 782                                     | 33,748                                  | 48,553  | 14,531         | —                              | —                | 2,277              | 13,025                   | 14,585                  |
| Head offices, sales offices and<br>auxiliary units..... | ...                      | ...                               | ...                   | ...           | ...                                     | ...                                     | ...   | ...            | ...                            | ...              | ...                | ...                      | ...                     |
| <b>Totals .....</b>                                     | <b>210</b>               | <b>9,751</b>                      | <b>21,020</b>         | <b>44,110</b> | <b>3,270</b>                            | <b>140,388</b>                          | <b>248,023</b>  | <b>106,264</b> | <b>48</b>                      | <b>175</b>       | <b>13,045</b>      | <b>63,387</b>            | <b>109,080</b>          |
| <b>1963</b>   |                          |                                   |                       |               |   |   |   |                |                                |                  |                    |                          |                         |
| Under 5 employed.....                                   | 39                       | 51                                | 103                   | 171           | 16                                      | 529                                     | 1,175   | 644            | 23                             | 85               | 69                 | 252                      | 644                     |
| 5- 14 ".....  | 58                       | 356                               | 728                   | 1,309         | 84                                      | 2,910                                   | 6,570   | 3,674          | 12                             | 57               | 485                | 1,939                    | 3,824                   |
| 15- 49 ".....   | 56                       | 1,300                             | 2,817                 | 4,843         | 333                                     | 13,183                                  | 25,964  | 12,803         | —                              | —                | 1,633              | 6,971                    | 13,307                  |
| 50- 99 ".....   | 30                       | 1,735                             | 3,830                 | 7,148         | 471                                     | 20,251                                  | 41,031  | 20,468         | —                              | —                | 2,200              | 10,171                   | 21,144                  |
| 100-199 ".....  | 12                       | 1,110                             | 2,482                 | 4,649         | 324                                     | 16,455                                  | 32,375  | 15,358         | —                              | —                | 1,736              | 8,027                    | 16,750                  |
| 200-499 ".....  | 14                       | 3,355                             | 7,115                 | 17,202        | 1,310                                   | 61,005                                  | 104,552   | 42,267         | —                              | —                | 4,595              | 24,337                   | 42,719                  |
| 500 employed and over.....                              | 4                        | 2,421                             | 5,158                 | 12,633        | 931                                     | 42,952                                  | 65,591  | 22,143         | —                              | —                | 3,025              | 16,619                   | 22,336                  |
| Head offices, sales offices and<br>auxiliary units..... | ...                      | ...                               | ...                   | ...           | ...                                     | ...                                     | ...   | ...            | ...                            | ...              | ...                | ...                      | ...                     |
| <b>Totals .....</b>                                     | <b>213</b>               | <b>10,328</b>                     | <b>22,232</b>         | <b>47,954</b> | <b>3,471</b>                            | <b>157,284</b>                          | <b>277,258</b>  | <b>117,357</b> | <b>35</b>                      | <b>141</b>       | <b>13,743</b>      | <b>68,317</b>            | <b>120,723</b>          |

TABLE 1 F. Principal Statistics classified by Type of Organization, 1962 and 1963

| Type of organization                                  | Establishments | Manufacturing activity         |                |               |                              |                                |  |                | Total activity              |             |                 |                    |                   |
|---|----------------|--------------------------------|----------------|---------------|------------------------------|--------------------------------|--|----------------|-----------------------------|-------------|-----------------|--------------------|-------------------|
|   |                | Production and related workers |                |               | Cost of fuel and electricity | Cost of materials and supplies | Value of shipments of goods of own manufacture | Value added    | Working owners and partners |             | Total employees |                    | Total value added |
|   |                | Number                         | Man-hours paid | Wages         |                              |                                |  |                | Number                      | Withdrawals | Number          | Salaries and wages |                   |
|   | No.            |                                | '000           |               |                              | \$'000                         |  |                |                             | \$'000      |                 | \$'000             |                   |
| 1962  |                |                                |                |               |                              |                                |  |                |                             |             |                 |                    |                   |
| Individual ownerships .....                           | 31             | 155                            | 318            | 406           | 23                           | 434                            | 1,391  | 932            | 32                          | 110         | 165             | 425                | 941               |
| Partnerships .....                                    | 8              | 18                             | 27             | 50            | 6                            | 93                             | 315  | 217            | 16                          | 65          | 18              | 50                 | 217               |
| Incorporated companies .....                          | 171            | 9,578                          | 20,676         | 43,654        | 3,241                        | 139,861                        | 246,317  | 105,115        | —                           | —           | 12,862          | 62,911             | 107,922           |
| Cooperatives .....                                    | —              | —                              | —              | —             | —                            | —                              | —  | —              | —                           | —           | —               | —                  | —                 |
| Head offices, sales offices and auxiliary units ..... | —              | —                              | —              | —             | —                            | —                              | —  | —              | —                           | —           | —               | —                  | —                 |
| <b>Totals .....</b>                                   | <b>210</b>     | <b>9,751</b>                   | <b>21,020</b>  | <b>44,110</b> | <b>3,270</b>                 | <b>140,388</b>                 | <b>248,023</b>                                 | <b>106,264</b> | <b>48</b>                   | <b>175</b>  | <b>13,045</b>   | <b>63,387</b>      | <b>109,080</b>    |
| 1963  |                |                                |                |               |                              |                                |  |                |                             |             |                 |                    |                   |
| Individual ownerships .....                           | 28             | 344                            | 695            | 1,418         | 117                          | 2,502                          | 7,390  | 4,897          | 27                          | 106         | 532             | 2,167              | 5,237             |
| Partnerships .....                                    | 4              | 10                             | 20             | 28            | 3                            | 55                             | 153  | 99             | 8                           | 36          | 10              | 28                 | 99                |
| Incorporated companies .....                          | 181            | 9,974                          | 21,517         | 46,508        | 3,351                        | 154,728                        | 269,716  | 112,361        | —                           | —           | 13,201          | 66,122             | 115,387           |
| Cooperatives .....                                    | —              | —                              | —              | —             | —                            | —                              | —  | —              | —                           | —           | —               | —                  | —                 |
| Head offices, sales offices and auxiliary units ..... | —              | —                              | —              | —             | —                            | —                              | —  | —              | —                           | —           | —               | —                  | —                 |
| <b>Totals .....</b>                                   | <b>213</b>     | <b>10,328</b>                  | <b>22,232</b>  | <b>47,954</b> | <b>3,471</b>                 | <b>157,284</b>                 | <b>277,258</b>                                 | <b>117,357</b> | <b>35</b>                   | <b>141</b>  | <b>13,743</b>   | <b>68,317</b>      | <b>120,723</b>    |

TABLE 2. Industry Output, Input and Value Added, 1962 and 1963

|   | Manufacturing activity |                | Non-manufacturing activities |              | Total activity |                |
|---|------------------------|----------------|------------------------------|--------------|----------------|----------------|
|   | 1962                   | 1963           | 1962                         | 1963         | 1962           | 1963           |
|   | \$'000                 |                |                              |              |                |                |
| <b>Output</b>   |                        |                |                              |              |                |                |
| 1. Shipments and other revenue .....                              | 248,023                | 277,258        | 18,676                       | 19,485       | 266,699        | 296,743        |
| Inventories—Goods of own manufacture:                             |                        |                |                              |              |                |                |
| Add closing—Goods in process .....                                | 3,525                  | 4,017          | ...                          | ...          | 3,525          | 4,017          |
| Finished goods .....  | 26,668                 | 28,008         | ...                          | ...          | 26,668         | 28,008         |
| Less opening—Goods in process .....                               | 3,218                  | 3,383          | ...                          | ...          | 3,218          | 3,383          |
| Finished goods .....  | 25,076                 | 27,789         | ...                          | ...          | 25,076         | 27,789         |
| 2. Net inventory change .....                                     | 1,899                  | 853            | ...                          | ...          | 1,899          | 853            |
| 3. Gross output (1 + 2) .....                                     | 249,922                | 278,111        | 18,676                       | 19,485       | 268,598        | 297,596        |
| <b>Input</b>  |                        |                |                              |              |                |                |
| 4. Purchases of goods not of own manufacture .....                | ...                    | ...            | 15,380                       | 15,341       | 15,380         | 15,341         |
| Inventories—Goods not of own manufacture:                         |                        |                |                              |              |                |                |
| Add opening .....   | ...                    | ...            | 2,798                        | 3,082        | 2,798          | 3,082          |
| Less closing .....  | ...                    | ...            | 3,060                        | 3,131        | 3,060          | 3,131          |
| 5. Cost of goods sold (not of own manufacture) .....              | ...                    | ...            | 15,118                       | 15,292       | 15,118         | 15,292         |
| 6. Materials, supplies, components and semi-processed goods ..... | 140,388                | 157,284        | 743                          | 827          | 141,131        | 158,111        |
| 7. Fuel and electricity .....                                     | 3,270                  | 3,471          | ...                          | ...          | 3,270          | 3,471          |
| 8. Gross input (5 + 6 + 7) .....                                  | 143,658                | 160,755        | 15,861                       | 16,119       | 159,519        | 176,874        |
| <b>Census value added (3-8) .....</b>                             | <b>106,264</b>         | <b>117,357</b> | <b>2,815</b>                 | <b>3,366</b> | <b>109,080</b> | <b>120,723</b> |



TABLE 3. Employment and Payroll, 1962 and 1963

| Year and province                     | Employees                      |        |       |        |                             |        |                        |        |                 |        | Salaries and wages             |       |                             |                          |                         |
|---------------------------------------|--------------------------------|--------|-------|--------|-----------------------------|--------|------------------------|--------|-----------------|--------|--------------------------------|-------|-----------------------------|--------------------------|-------------------------|
|                                       | Production and related workers |        |       |        | Adminis- trative and office |        | Sales and distribution |        | Total employees |        | Production and related workers |       | Admin- istrative and office | Sales and distri- bution | Total salaries and wage |
|                                       | Manufacturing                  |        | Other |        |                             |        |                        |        |                 |        |                                |       |                             |                          |                         |
|                                       | Male                           | Female | Male  | Female | Male                        | Female | Male                   | Female | Male            | Female | Manufac- turing                | Other |                             |                          |                         |
| number                                |                                |        |       |        |                             |        |                        |        |                 | \$'000 |                                |       |                             |                          |                         |
| 1962                                  |                                |        |       |        |                             |        |                        |        |                 |        |                                |       |                             |                          |                         |
| Newfoundland .....                    | 117                            | —      | —     | —      | 24                          | 2      | —                      | —      | 141             | 2      | 561                            | —     | 142                         | —                        | 703                     |
| Prince Edward Island ....             |                                |        |       |        |                             |        |                        |        |                 |        |                                |       |                             |                          |                         |
| Nova Scotia .....                     |                                |        |       |        |                             |        |                        |        |                 |        |                                |       |                             |                          |                         |
| New Brunswick .....                   |                                |        |       |        |                             |        |                        |        |                 |        |                                |       |                             |                          |                         |
| Quebec .....                          | 2,902                          | 201    | 7     | —      | 567                         | 168    | 197                    | 16     | 3,673           | 385    | 13,351                         | 32    | 4,606                       | 1,351                    | 19,340                  |
| Ontario .....                         | 5,270                          | 742    | 1     | —      | 1,218                       | 511    | 281                    | 75     | 6,770           | 1,328  | 27,976                         | 25    | 9,881                       | 1,794                    | 39,676                  |
| Manitoba .....                        | 24                             | 2      | —     | —      | 3                           | —      | —                      | —      | 27              | 2      | 72                             | —     | 10                          | —                        | 82                      |
| Saskatchewan .....                    | —                              | —      | —     | —      | —                           | —      | —                      | —      | —               | —      | —                              | —     | —                           | —                        | —                       |
| Alberta .....                         | 57                             | —      | —     | —      | 17                          | 4      | 1                      | —      | 75              | 4      | 234                            | —     | 100                         | 3                        | 337                     |
| British Columbia .....                | 395                            | 41     | —     | —      | 90                          | 49     | 57                     | 6      | 542             | 96     | 1,916                          | —     | 885                         | 448                      | 3,249                   |
| Yukon and Northwest Territories ..... | —                              | —      | —     | —      | —                           | —      | —                      | —      | —               | —      | —                              | —     | —                           | —                        | —                       |
| Totals .....                          | 8,765                          | 986    | 8     | —      | 1,919                       | 734    | 536                    | 97     | 11,228          | 1,817  | 44,110                         | 57    | 15,624                      | 3,596                    | 63,387                  |
| 1963                                  |                                |        |       |        |                             |        |                        |        |                 |        |                                |       |                             |                          |                         |
| Newfoundland .....                    | 105                            | —      | —     | —      | 23                          | 3      | —                      | —      | 128             | 3      | 533                            | —     | 144                         | —                        | 676                     |
| Prince Edward Island ....             |                                |        |       |        |                             |        |                        |        |                 |        |                                |       |                             |                          |                         |
| Nova Scotia .....                     |                                |        |       |        |                             |        |                        |        |                 |        |                                |       |                             |                          |                         |
| New Brunswick .....                   |                                |        |       |        |                             |        |                        |        |                 |        |                                |       |                             |                          |                         |
| Quebec .....                          | 3,018                          | 205    | 2     | —      | 584                         | 189    | 236                    | 16     | 3,840           | 410    | 14,658                         | 6     | 4,813                       | 1,581                    | 21,058                  |
| Ontario .....                         | 5,598                          | 857    | 18    | —      | 1,173                       | 533    | 335                    | 69     | 7,122           | 1,459  | 30,286                         | 98    | 10,066                      | 2,169                    | 42,619                  |
| Manitoba .....                        | 28                             | —      | —     | —      | 6                           | —      | —                      | —      | 34              | —      | 86                             | —     | 20                          | —                        | 106                     |
| Saskatchewan .....                    | —                              | —      | —     | —      | —                           | —      | —                      | —      | —               | —      | —                              | —     | —                           | —                        | —                       |
| Alberta .....                         | 67                             | —      | —     | —      | 17                          | 5      | 3                      | —      | 87              | 5      | 284                            | —     | 147                         | 15                       | 445                     |
| British Columbia .....                | 432                            | 20     | —     | —      | 88                          | 42     | 68                     | 7      | 586             | 69     | 2,107                          | —     | 829                         | 476                      | 3,412                   |
| Yukon and Northwest Territories ..... | —                              | —      | —     | —      | —                           | —      | —                      | —      | —               | —      | —                              | —     | —                           | —                        | —                       |
| Totals .....                          | 9,246                          | 1,082  | 20    | —      | 1,889                       | 772    | 642                    | 92     | 11,797          | 1,946  | 47,954                         | 105   | 16,018                      | 4,240                    | 68,317                  |

TABLE 3 A. Production and Related Workers,—Manufacturing Activity, by Months, 1962 and 1963

| Month  | Establishments reporting monthly detail |        |       |        |
|--|---|--------|-------|--------|
|  | 1962                                    |        | 1963  |        |
|  | Male                                    | Female | Male  | Female |
|  | number                                  |        |       |        |
| January .....  | 7,583                                   | 785    | 8,157 | 947    |
| February .....   | 7,641                                   | 793    | 8,281 | 950    |
| March .....  | 7,707                                   | 820    | 8,398 | 938    |
| April .....  | 7,801                                   | 851    | 8,466 | 984    |
| May .....  | 8,091                                   | 863    | 8,686 | 979    |
| June .....   | 8,237                                   | 850    | 8,790 | 985    |
| July .....   | 8,092                                   | 879    | 8,344 | 822    |
| August .....   | 7,882                                   | 798    | 8,447 | 997    |
| September .....  | 8,121                                   | 852    | 8,726 | 1,034  |
| October .....  | 8,070                                   | 894    | 8,744 | 1,053  |
| November .....   | 8,016                                   | 936    | 8,742 | 1,038  |
| December .....   | 8,019                                   | 904    | 8,684 | 1,032  |
| Average for establishments reporting monthly detail (collected only for large establish-ments) ..... | 7,950                                   | 858    | 8,521 | 982    |
| Average for small establishments (only annual averages collected) .....                              | 815                                     | 128    | 725   | 100    |
| Average for all establishments .....   | 8,765                                   | 986    | 9,246 | 1,082  |

TABLE 4. Industry Inventories, 1963

| Province                              | Manufacturing              |                  |                                   |                     | Non-manufacturing                          | Total inventories |
|---------------------------------------|----------------------------|------------------|-----------------------------------|---------------------|--|-------------------|
|                                       | Raw materials and supplies | Goods in process | Finished goods of own manufacture | Total manufacturing | Products or materials purchased for resale |                   |
| book value \$'000                     |                            |                  |                                   |                     |  |                   |
| Opening:                              |                            |                  |                                   |                     |  |                   |
| Newfoundland .....                    | 121                        | 105              | 499                               | 725                 | 24   | 749               |
| Prince Edward Island .....            |                            |                  |                                   |                     |  |                   |
| Nova Scotia .....                     |                            |                  |                                   |                     |  |                   |
| New Brunswick .....                   |                            |                  |                                   |                     |  |                   |
| Quebec .....                          | 9,105                      | 610              | 9,647                             | 19,362              | 1,549                                      | 20,911            |
| Ontario .....                         | 12,691                     | 2,437            | 15,941                            | 31,069              | 1,364                                      | 32,433            |
| Manitoba .....                        | —                          | —                | 39                                | 39                  | —  | 39                |
| Saskatchewan .....                    | —                          | —                | —                                 | —                   | —  | —                 |
| Alberta .....                         | 76                         | —                | 55                                | 131                 | —  | 131               |
| British Columbia .....                | 1,418                      | 232              | 1,607                             | 3,256               | 145  | 3,401             |
| Yukon and Northwest Territories ..... | —                          | —                | —                                 | —                   | —  | —                 |
| Totals .....                          | 23,411                     | 3,383            | 27,789                            | 54,582              | 3,082                                      | 57,664            |
| Closing:                              |                            |                  |                                   |                     |  |                   |
| Newfoundland .....                    | 141                        | 112              | 429                               | 681                 | 29   | 710               |
| Prince Edward Island .....            |                            |                  |                                   |                     |  |                   |
| Nova Scotia .....                     |                            |                  |                                   |                     |  |                   |
| New Brunswick .....                   |                            |                  |                                   |                     |  |                   |
| Quebec .....                          | 8,803                      | 693              | 9,988                             | 19,484              | 1,452                                      | 20,936            |
| Ontario .....                         | 13,087                     | 2,960            | 15,900                            | 31,946              | 1,405                                      | 33,352            |
| Manitoba .....                        | —                          | —                | 48                                | 48                  | —  | 48                |
| Saskatchewan .....                    | —                          | —                | —                                 | —                   | —  | —                 |
| Alberta .....                         | 152                        | —                | 74                                | 226                 | —  | 226               |
| British Columbia .....                | 1,811                      | 252              | 1,570                             | 3,633               | 245  | 3,878             |
| Yukon and Northwest Territories ..... | —                          | —                | —                                 | —                   | —  | —                 |
| Totals .....                          | 23,993                     | 4,017            | 28,008                            | 56,018              | 3,131                                      | 59,149            |

TABLE 5. Purchased Fuel and Electricity Used in Manufacturing Activity, 1962 and 1963

| Description  | 1962      |             | 1963        |        |
|--|-----------|-------------|-------------|--------|
|  | Quantity  | Cost        | Quantity    | Cost   |
|  |           | \$'000      |             | \$'000 |
| 1. Large establishments which reported commodity detail: |           |             |             |        |
| Bituminous coal:   |           |             |             |        |
| (a) From Canadian mines .....                            | ton       | 7,388       | 2,022       | 22     |
| (b) Imported .....                                       | "         | 4,781       | 4,731       | 61     |
| Sub-bituminous coal (from Alberta mines only) .....      | "         | —           | 33          | 1      |
| Anthracite coal .....                                    | "         | 559         | 551         | 8      |
| Lignite coal .....                                       | "         | —           | —           | —      |
| Coke .....   | "         | 79          | 84          | 1      |
| Gasoline (including gasoline used in cars and trucks) .. | Imp. gal. | 375,613     | 421,519     | 158    |
| Fuel oil including kerosene or coal oil .....            | "         | 2,673,271   | 3,022,107   | 345    |
| Wood .....   | cord      | 381         | 452         | 3      |
| Gas:   |           |             |             |        |
| (a) Liquefied petroleum gases .....                      | Imp. gal. | 348,599     | 346,853     | 75     |
| (b) Other manufactured gas .....                         | M cu. ft. | 135,737     | 145,321     | 29     |
| (c) Natural gas .....                                    | "         | 1,655,381   | 1,836,494   | 1,007  |
| Other fuel .....   |           | 2           | 2           | 2      |
| Electricity purchased .....                              | kwh.      | 166,272,362 | 176,573,464 | 1,511  |
| Steam purchased .....                                    |           | 81          | 79          | 79     |
| 2. Estimate for small establishments:                    |           |             |             |        |
| Fuel and electricity .....                               |           | 174         | 159         | 159    |
| 3. All establishments:                                   |           |             |             |        |
| Total fuel and electricity used .....                    |           | 3,270       | 3,471       | 3,471  |

TABLE 6. Materials and Supplies - Manufacturing Activity, 1962 and 1963

| Description   |     | 1962       |                | 1963       |                |
|---|-----|------------|----------------|------------|----------------|
|   |     | Quantity   | Cost<br>\$'000 | Quantity   | Cost<br>\$'000 |
| 1. Materials used:  |     |            |                |            |                |
| Iron and steel:   |     |            |                |            |                |
| Bars  | ton | 28,463     | 3,873          | 54,955     | 7,116          |
| Wire rods   | "   | 394,353    | 52,967         | 410,563    | 54,557         |
| Wire:   |     |            |                |            |                |
| Plain   | "   | 116,338    | 22,402         | 132,978    | 26,994         |
| Galvanized  | "   | 33,929     | 7,479          | 38,877     | 8,189          |
| Sheets  | "   | 7,005      | 1,572          | 23,319     | 3,696          |
| Strips  | "   | 7,358      | 1,732          | 3,546      | 810            |
| Pipe and tubing   | "   | ...        | 1,068          | ...        | 1,238          |
| Nail and tack plate   | lb. | 2,131,178  | 158            | 2,291,668  | 142            |
| Other iron and steel  | "   | ...        | 13,449         | ...        | 12,867         |
| Stainless Steel:  |     |            |                |            |                |
| Wire  | lb. | 1,764,526  | 1,501          | 2,157,745  | 1,911          |
| Other forms   | "   | 758,884    | 465            | 1,224,046  | 741            |
| Non-ferrous metals:   |     |            |                |            |                |
| Aluminum:   |     |            |                |            |                |
| Castings  | "   | 1,353      | 1              | 1,040      | 1              |
| Sheet   | "   | 70,613     | 36             | 157,152    | 75             |
| Other forms   | "   | 2,117,713  | 1,058          | 3,117,960  | 1,532          |
| Brass and bronze  | "   | 10,528,247 | 6,163          | 11,493,960 | 6,745          |
| Copper:   |     |            |                |            |                |
| Sheet   | "   | 48,400     | 27             | 75,795     | 41             |
| Wire  | "   | 297,905    | 151            | 300,398    | 164            |
| Other forms   | "   | 351,384    | 119            | 467,916    | 162            |
| Lead  | "   | 1,477,685  | 155            | 2,709,993  | 275            |
| Tin   | "   | 12,210     | 16             | 13,629     | 16             |
| Zinc  | "   | 8,497,099  | 1,076          | 8,986,642  | 1,123          |
| All other non-ferrous metals  | "   | ...        | 654            | ...        | 746            |
| Acid, muriatic  | lb. | 3,078,717  | 66             | 3,422,773  | 70             |
| Acid, sulphuric, 100%   | "   | 17,441,279 | 266            | 17,178,478 | 260            |
| All other materials and components used <sup>1</sup>                            |     | ...        | 12,464         | ...        | 14,891         |
| 2. Containers and other packaging materials and supplies used                   |     | ...        | 3,016          | ...        | 3,437          |
| 3. Operating, maintenance and repair supplies used (excluding fuel)             |     | ...        | 6,684          | ...        | 7,088          |
| 4. Amount paid out to others for work done on materials owned by establishments |     | ...        | 1,770          | ...        | 2,398          |
| <b>Totals</b>   |     | ...        | <b>140,388</b> | ...        | <b>157,284</b> |

<sup>1</sup> No detailed information on materials used was collected from small establishments, the estimated costs for which are included here. These estimated costs were \$4,485,210 in 1962 and \$5,025,137 in 1963.

TABLE 7. Shipments of Goods of Own Manufacture, 1962 and 1963

| Description  | 1962             |                     |           | 1963             |                     |           |        |
|--|------------------|---------------------|-----------|------------------|---------------------|-----------|--------|
|  | Quantity<br>made | Quantity<br>shipped | Value     | Quantity<br>made | Quantity<br>shipped | Value     |        |
|  |                  |                     | \$'000    |                  |                     | \$'000    |        |
| <b>Wires</b>   |                  |                     |           |                  |                     |           |        |
| (Total production, whether for sale or for further manufacture)  |                  |                     |           |                  |                     |           |        |
| <b>Iron and steel wires:</b>   |                  |                     |           |                  |                     |           |        |
| Plain wire (including welding wire but not welding rods).....  | net ton          | 351,432             | 164,746   | 30,792           | 389,137             | 170,894   | 32,544 |
| Galvanized wire.....   | "                | 62,768              | 49,111    | 10,885           | 68,805              | 55,918    | 11,825 |
| Other coated wire.....   | "                | 5,365               | 4,422     | 1,445            | 5,845               | 4,701     | 1,576  |
| Barbed wire.....   | "                | 5,595               | 5,278     | 923              | 6,670               | 5,993     | 1,005  |
| Cold-rolled flat wire of all sizes, qualities and finishes, including nut steel.....   | "                | ...                 | 2,895     | 1,095            | ...                 | 3,351     | 1,289  |
| <b>Nails, staples and tacks</b>  |                  |                     |           |                  |                     |           |        |
| Wire nails, iron and steel (all wire nails, including shoe rivets and other small sizes of wire nails).....  | keg              | 1,422,230           | 1,435,787 | 14,292           | 1,679,574           | 1,663,180 | 16,790 |
| Wire staples, iron and steel, of all kinds.....  | "                | 19,515              | 21,776    | 268              | 23,481              | 36,628    | 457    |
| Tacks, all kinds (all cut and wire tacks, including hob nails, clout nails, trunk nails and other small cut nails, but not cut shingle nails)..... | }                | ...                 | ...       | 3,163            | ...                 | ...       | 3,017  |
| Miscellaneous, including thumb tacks, upholstery nails, brass and cooper nails, cut nails, aluminum nails and staples for paper stitching.....     |                  | ...                 | ...       | ...              | ...                 | ...       | ...    |
| <b>Wire fencing and wire netting</b>   |                  |                     |           |                  |                     |           |        |
| Woven wire farm fence, steel.....  | ton              | ...                 | 14,059    | 3,062            | ...                 | 13,763    | 2,934  |
| Woven wire chain link fabric, steel (including tonnage for industrial fences).....   | "                | ...                 | 6,208     | 1,726            | ...                 | 8,696     | 1,708  |
| Steel fence posts.....   | "                | ...                 | 4,618     | 678              | ...                 | 4,977     | 735    |
| Gates.....   | No.              | ...                 | 27,163    | 580              | ...                 | 23,558    | 487    |
| Snow fence.....  | "                | ...                 | ...       | 186              | ...                 | ...       | 232    |
| Welded or woven wire mesh, steel for concrete reinforcement, or purposes other than fencing.....   | ton              | ...                 | 57,068    | 11,558           | ...                 | 62,687    | 12,564 |
| <b>Wire cloth:</b>   |                  |                     |           |                  |                     |           |        |
| Fourdrinier wire cloth.....  | "                | ...                 | ...       | 10,869           | ...                 | ...       | 10,908 |
| Other wire cloth, including insect wire screening—steel, including stainless steel.....  | "                | ...                 | ...       | 3,254            | ...                 | ...       | 3,583  |
| Non-ferrous metal.....   | "                | ...                 | ...       | 828              | ...                 | ...       | 988    |
| Miscellaneous fencing and netting.....   | "                | ...                 | ...       | 832              | ...                 | ...       | 720    |



TABLE 7. Shipments of Goods of Own Manufacture, 1962 and 1963 - Concluded

| Description  | 1962          |                  |                | 1963          |                  |                |
|--|---------------|------------------|----------------|---------------|------------------|----------------|
|  | Quantity made | Quantity shipped | Value          | Quantity made | Quantity shipped | Value          |
|  |               |                  | \$'000         |               |                  | \$'000         |
| <b>Wire goods</b>  |               |                  |                |               |                  |                |
| Steel wire rope or cable (multiple strand—all types)..... ton  | ...           | 25,574           | 17,259         | ...           | 25,749           | 18,465         |
| Twisted strand wire (including galvanized guy wire, wire clothes-lines, twisted bed strand)..... "   | ...           | 7,984            | 2,699          | ...           | 11,219           | 3,814          |
| Steel wire upholstering springs and constructions .....  | ...           | ...              | 15,492         | ...           | ...              | 18,633         |
| Other steel wire springs (except bed springs).....   | ...           | ...              | 6,433          | ...           | ...              | 7,877          |
| Miscellaneous wire goods (including wire lacing, hairpins, tire braids, wire paper clips, wire guards, welding rods, etc.) .....   | ...           | ...              | 25,614         | ...           | ...              | 19,238         |
| <b>Fasteners and miscellaneous</b>   |               |                  |                |               |                  |                |
| Automatic screw machine products .....   | ...           | ...              | 7,344          | ...           | ...              | 8,940          |
| Fasteners (bolts, nuts, rivets, washers, screws, etc.) .....   | ...           | ...              | 42,994         | ...           | ...              | 44,608         |
| All other products .....   | ...           | ...              | 33,224         | ...           | ...              | 52,152         |
| Amount received in payment for work done on materials and products owned by others .....   | ...           | ...              | 1,025          | ...           | ...              | 667            |
| Less adjustment for value of sales taxes, excise duties and outward transportation charges which could not be deducted from individual commodity items described above ..... | ...           | ...              | (497)          | ...           | ...              | (497)          |
| Net adjustment for establishments receiving progress payments .....  | ...           | ...              | —              | ...           | ...              | —              |
| <b>Total adjusted value of shipments and work done .....</b>   | ...           | ...              | <b>248,023</b> | ...           | ...              | <b>277,258</b> |

TABLE 8. Shipments of Selected Goods of Own Manufacture - All Industries  
(Includes shipments from other industries which manufacture, as a secondary activity, the commodities listed)

A. Steel Wire, 1959 - 63

| Year                    | Plain wire | Galvanized wire | Barbed wire | Wire, other coated |
|-------------------------|------------|-----------------|-------------|--------------------|
| <b>1959</b>             |            |                 |             |                    |
| Quantity made ..... ton | 360,674    | 62,269          | 3,755       | 4,450              |
| Quantity shipped..... " | 146,271    | 31,695          | 3,393       | 4,336              |
| Value ..... \$'000      | 27,557     | 7,587           | 632         | 1,278              |
| <b>1960</b>             |            |                 |             |                    |
| Quantity made ..... ton | 301,140    | 52,706          | 2,916       | 4,606              |
| Quantity shipped..... " | 150,371    | 39,960          | 2,971       | 4,236              |
| Value ..... \$'000      | 29,354     | 9,239           | 550         | 1,334              |
| <b>1961</b>             |            |                 |             |                    |
| Quantity made ..... ton | 315,316    | 56,289          | 4,244       | 4,722              |
| Quantity shipped..... " | 152,913    | 43,100          | 4,000       | 4,044              |
| Value ..... \$'000      | 28,507     | 9,393           | 732         | 1,274              |
| <b>1962</b>             |            |                 |             |                    |
| Quantity made ..... ton | 355,786    | 64,688          | 5,740       | 5,374              |
| Quantity shipped..... " | 162,336    | 49,818          | 5,391       | 4,422              |
| Value ..... \$'000      | 30,448     | 11,026          | 943         | 1,445              |
| <b>1963</b>             |            |                 |             |                    |
| Quantity made ..... ton | 401,945    | 70,939          | 6,972       | 5,845              |
| Quantity shipped..... " | 175,112    | 57,067          | 6,443       | 4,701              |
| Value ..... \$'000      | 32,544     | 12,000          | 1,087       | 1,576              |

Note: Figures on quantity made include the amounts made and used in subsequent processes in the same plants such as, in the manufacture of nails, galvanized wire, etc.

**TABLE 8. Shipments of Selected Goods of Own Manufacture - All Industries - Continued**  
**B. Steel Wire Fencing, 1959 - 63**

| Year                    | Quantity shipped<br>net ton | Value<br>\$'000 |
|-------------------------|-----------------------------|-----------------|
| <b>1959</b>             |                             |                 |
| Farm fence .....        | 15,522                      | 3,248           |
| Lawn fence .....        | 1,327                       | 371             |
| Chain link fabric ..... | 7,458                       | 1,953           |
| <b>Totals .....</b>     | <b>24,307</b>               | <b>5,573</b>    |
| <b>1960</b>             |                             |                 |
| Farm fence .....        | 12,353                      | 2,768           |
| Lawn fence .....        | 1,392                       | 414             |
| Chain link fabric ..... | 7,639                       | 1,889           |
| <b>Totals .....</b>     | <b>21,384</b>               | <b>5,072</b>    |
| <b>1961</b>             |                             |                 |
| Farm fence .....        | 13,906                      | 3,074           |
| Lawn fence .....        | 1,298                       | 369             |
| Chain link fabric ..... | 8,725                       | 2,133           |
| <b>Totals .....</b>     | <b>23,929</b>               | <b>5,576</b>    |
| <b>1962</b>             |                             |                 |
| Farm fence .....        | 14,059                      | 3,062           |
| Lawn fence .....        | 1,640                       | 447             |
| Chain link fabric ..... | 9,069                       | 2,423           |
| <b>Totals .....</b>     | <b>24,768</b>               | <b>5,932</b>    |
| <b>1963</b>             |                             |                 |
| Farm fence .....        | 13,763                      | 2,934           |
| Lawn fence .....        | 1,391                       | 425             |
| Chain link fabric ..... | 10,066                      | 2,979           |
| <b>Totals .....</b>     | <b>25,220</b>               | <b>6,338</b>    |

**C. Nails, Tacks and Staples, 1959 - 63**

| Year                   | Iron and<br>steel wire<br>staples | Iron and steel<br>wire nails and<br>spikes | Wire and<br>cut tacks<br>of all kinds |
|------------------------|-----------------------------------|--|---------------------------------------|
|                        | kegs                              |  | lbs.                                  |
| <b>1959</b>            |                                   |  |                                       |
| Quantity shipped ..... | 27,042                            | 1,481,101                                  | 2,042,335                             |
| Value .....            | 318                               | 15,230                                     | 742                                   |
| <b>1960</b>            |                                   |  |                                       |
| Quantity shipped ..... | 24,670                            | 1,238,072                                  | 2,102,035                             |
| Value .....            | 298                               | 12,912                                     | 690                                   |
| <b>1961</b>            |                                   |  |                                       |
| Quantity shipped ..... | 20,106                            | 1,431,874                                  | 1,866,000                             |
| Value .....            | 247                               | 14,960                                     | 730                                   |
| <b>1962</b>            |                                   |  |                                       |
| Quantity shipped ..... | 21,776                            | 1,515,047                                  | 1,708,000                             |
| Value .....            | 268                               | 15,437                                     | 684                                   |
| <b>1963</b>            |                                   |  |                                       |
| Quantity shipped ..... | 36,628                            | 1,699,409                                  | 1,820,209                             |
| Value .....            | 457                               | 17,271                                     | 688                                   |

Note: 1 keg - 100 pounds.



**TABLE 8. Shipments of Selected Goods of Own Manufacture - All Industries - Concluded**  
**D. Steel Wire Rope and Cable, 1954-63**

| Year       | Wire rope and cable <sup>1</sup><br>(multiple strand<br>all types) |        | Twisted strand wire<br>(single strand all types<br>inc. plastic coated) |        | Total<br>value |
|------------|--|--------|---|--------|----------------|
|            | Quantity<br>shipped  | Value  | Quantity<br>shipped   | Value  |                |
|            | tons   | \$'000 | tons  | \$'000 |                |
| 1954 ..... | 20,337   | 12,804 | 7,938   | 2,665  | 15,469         |
| 1955 ..... | 23,658   | 14,599 | 8,018   | 2,684  | 17,283         |
| 1956 ..... | 30,006   | 18,537 | 10,582  | 3,952  | 22,489         |
| 1957 ..... | 28,304   | 18,906 | 7,745   | 2,758  | 21,664         |
| 1958 ..... | 24,182   | 16,655 | 7,536   | 2,828  | 19,483         |
| 1959 ..... | 26,109   | 17,841 | 8,511   | 3,084  | 20,925         |
| 1960 ..... | 25,746   | 17,423 | 9,517   | 3,427  | 20,850         |
| 1961 ..... | 23,459   | 15,782 | 7,773   | 2,988  | 18,771         |
| 1962 ..... | 26,518   | 17,608 | 9,267   | 3,150  | 20,758         |
| 1963 ..... | 25,749   | 18,465 | 13,819  | 4,577  | 23,042         |

**E. Welded Wire Mesh, 1959-63**

| Year       | Quantity<br>shipped | Value  |
|------------|---------------------|--------|
|            | tons                | \$'000 |
| 1959 ..... | 44,979              | 9,423  |
| 1960 ..... | 39,676              | 8,126  |
| 1961 ..... | 44,568              | 8,946  |
| 1962 ..... | 58,876              | 11,816 |
| 1963 ..... | 64,139              | 12,945 |

**F. Welding Rods,<sup>2</sup> 1959-63**

| Year       | Quantity | Value  |
|------------|----------|--------|
|            | tons     | \$'000 |
| 1959 ..... | 21,777   | 8,460  |
| 1960 ..... | 19,490   | 7,342  |
| 1961 ..... | 21,236   | 9,054  |
| 1962 ..... | 26,039   | 11,073 |
| 1963 ..... | 25,620   | 12,230 |

<sup>1</sup> Totals shown under this heading for earlier years (prior to 1961) excluded some tonnages of multiple strand wire not classed as "wire rope" which were reported separately. As of 1961, this category is being interpreted to include all types of multiple strand wire. Totals shown under this heading prior to 1961 have been adjusted to reflect this change in interpretation.

<sup>2</sup> Includes only ferrous type gas and electric welding rod.

**List of Establishments classified to this Industry, 1963**

(Does not include establishments classified to other industries, which as a secondary activity, manufacture products typical of this industry)

| Name  | Location                               |
|---|--|
| <b>Newfoundland:</b>                                    |  |
| Dawes' Nail and Hardware Ltd. ....                      | Bay Roberts                            |
| <b>Nova Scotia:</b>                                     |  |
| Dominion Steel & Coal Corp. Ltd. (Sydney works) .....   | Sydney                                 |
| <b>New Brunswick:</b>                                   |  |
| New Brunswick Wire Fence Co. Ltd. ....                  | 402 Main St., Moncton                  |
| Grand Falls Industries Ltd. ....                        | Grand Falls                            |
| <b>Quebec:</b>  |  |
| Air Reduction Canada Ltd. ....                          | 905 Hodge Avenue, Montreal 9           |
| Anglo-Canadian Wire Rope Co. Ltd. ....                  | 125 Rockfield Ave., Lachine            |
| Argo Machine Tools Inc. ....                            | 5605 St. Andre St., Montreal 10        |
| Artistic Wire Works Limited ....                        | 8185 Henri Julien Montreal 18          |
| B.D.O. Products ....                                    | 277 St. Zotique W., Montreal           |
| Bélanger, J.A. ....                                     | Rivière Bleue                          |
| Canadian Blank Book Company ....                        | 8530 Esplanade St., Montreal 14        |
| Christie, George Canada Limited ....                    | Three Rivers                           |
| City Wire & Iron Products Co. ....                      | 1584 Laurier Ave. E., Montreal         |
| Cogan Wire and Metal Products Limited ....              | 2245 De la Salle Ave., Montreal 4      |
| Debro Metal Products Ltd. ....                          | 5410 Ferrier St., Montreal 9           |
| Dominion Steel & Coal Corporation Limited ....          | 5870 St. Patrick St., Montreal         |
| Dominion Wire Rope Limited ....                         | 175 St. Joseph St., Lachine            |
| Eltectic Welding Alloys Co. of Canada Ltd. ....         | 5051 Cote de Liesse Rd., Montreal      |
| Ferro Products Co. Ltd. ....                            | 10049 London Ave., Montreal North      |
| Formaster Inc. ....                                     | Ville St. Michel                       |
| Foster Springs Limited ....                             | Granby                                 |
| General Spring Co. Ltd. ....                            | 1885 Darling St., Montreal 4           |
| Gerrard Co. Limited ....                                | St-Laurent                             |
| Heiplex Springs Ltd. ....                               | 7940-54th Ave., Rivieres des Prairies  |
| Industrial Fasteners Ltd. ....                          | Mariville                              |
| Industrial Screw Machine Works Ltd. ....                | 5445 Pare St., Montreal 9              |
| Johnson Wire Works Ltd., The ....                       | 530 Decourcelles St., Montreal 30      |
| Jones Lamp Frame Co. ....                               | 5549-11th Ave., Rosemont, Montreal     |
| L'Air Liquide ....                                      | 5030 Rouen St., Montreal               |
| Laramée Wire Works Ltd. ....                            | 2222 Wurtele, Montreal                 |
| Laurentian Wire Products Ltd. ....                      | 9221 St. Lawrence Blvd., Montreal      |
| Les Produits d'Acier Morco Ltée. ....                   | Baie Comeau                            |
| London Zig Zag Spring Ltd. ....                         | 2455 Desautels, Montreal 5             |
| Machineries Pont-Rouge Ltée ....                        | Pont-Rouge                             |
| Manhattan Wire Works Co. Ltd. ....                      | 2331 Provencale Lane, Montreal 24      |
| Maxwell Wire Products Ltd. ....                         | 5000 Brock St., Cote St Paul, Montreal |
| Mercury Wire & Nail Co. Ltd. ....                       | St. Hyacinthe                          |
| New York Wire Works Ltd. ....                           | 5555 Notre-Dame E., Montreal           |
| No-Sag Spring Co. Ltd. ....                             | 297 Taschereau Blvd., Greenfield Park  |
| Nucleonic-Electric Equipment & Development Company .... | 5701 Cote St Pauls, Montreal           |
| Pan-Ohio Wire Works Mfg. Limited ....                   | 4166 Rue Parthenais, Montreal 24       |
| Pan-American Screw Corp. ....                           | 57 Queen St., Montreal                 |
| Pennsylvania Wire Products ....                         | 1361 Notre-Dame E., Montreal 24        |
| Precision Automatique J.R.N. Ltée ....                  | 2291 Rue Louis Veulliot, Montreal 5    |
| Sido Limitée ....                                       | Granby                                 |
| Signode Canada Ltd. ....                                | 6705 Upper Lachine Rd, Montreal        |
| Sivaco Wire and Nail Co. ....                           | Mariville                              |
| Steel Company of Canada Limited ....                    | Montreal                               |
| Steel Company of Canada Limited ....                    | Lachine                                |
| Steel Heddle Co. of Canada Limited ....                 | Granby                                 |
| Superior Wire & Paper Products Ltd. ....                | 2625 Duchesne, St., Laurent            |
| Triplex Engineering Co. Ltd. ....                       | 9810 St. Urbain St., Montreal          |
| Variétés Industrielles Inc. ....                        | Sherbrooke                             |
| Wallace Barnes Co. Limited, The ....                    | Valois                                 |
| Webster & Horsfall (Canada) Ltd. ....                   | Three Rivers                           |
| Whitehouse Fastenings Limited ....                      | 970 St. George St., Montreal           |
| World Wide Staple Co. ....                              | 397 Place de Louvain, Montreal 11      |
| <b>Ontario:</b>   |  |
| Accumatic Mfg. Co. Ltd. ....                            | 302 Bridgeand Ave., Toronto 19         |
| Acorn Manufacturing Ltd. ....                           | Fort Erie                              |
| Andrews Wire Works of Canada Ltd. ....                  | Watford                                |
| Armour Art Craft ....                                   | 32 Rover St., Toronto                  |
| Artcraft Shoppe ....                                    | 155 George St., Toronto 2              |
| Argos Mfg. Co. ....                                     | Stoney Creek                           |
| Atlas Nail & Wire Company ....                          | Kitchener                              |
| Automatic Screw Machine Products Ltd. ....              | 1171 Queen St. W., Toronto 3           |
| Automatic Staples Mfg. Ltd. ....                        | Downsview                              |
| Beaverton Specialties Limited ....                      | Beaverton                              |
| Bennett Wire Products Co. ....                          | 349 Huron St., Toronto 5               |
| Bonne Industries Ltd. ....                              | 1153 Queen St. W., Toronto 3           |
| Bostitch (Toronto), Ltd. ....                           | 55 Judson St., Toronto 18              |
| Brown Wire Products, Ltd. ....                          | 13 Blackburn St., Toronto 8            |
| Bull Dog Lacer Co. of Canada Ltd. ....                  | 200 Queen St. N., Hamilton             |
| Burke - Thumm Ltd. ....                                 | 14 Broadalbane St., Toronto 5          |



List of Establishments classified to this Industry, 1963 - Continued

| Name                                     | Location                           |
|--|------------------------------------|
| <b>Ontario - Continued:</b>              |                                    |
| Canada Wire Ropes Ltd.                   | Smiths Falls                       |
| Canadian Rockwell Co.                    | 46 Northline Rd., Toronto 16       |
| Canadian Spring Co.                      | 2784 Dundas St. W., Toronto 9      |
| Canadian Wire Specialties Ltd.           | 3370 Dufferin St., Toronto 19      |
| Capital Metal Industries Limited         | 61 Milne Ave., Toronto 13          |
| Capital Wire Cloth Ltd.                  | Hinton Ave., Ottawa 3              |
| Central Electric Wire Ltd.               | Perth                              |
| Charlton, J.J. Co.                       | 115 Milvan Drive, Weston           |
| City Wire Works Co.                      | 1082 Queen St. W., Toronto 3       |
| Collison-Goll Ltd.                       | 41 Millwick Dr., Weston            |
| Cooper Bros & Wilson                     | 4-6 Kelvin Ave., Toronto 13        |
| Diamond Hard Company Ltd.                | 99A Coleman Ave., Toronto 13       |
| Doherty Industries Ltd.                  | 371 Ryding Ave., Toronto           |
| Dominion Chain Company Limited           | Niagara Falls                      |
| Dominion Fasteners Limited               | 686 Parkdale Ave. N., Hamilton     |
| Dominion Fence & Wire Products Ltd.      | 120 Judge Rd., Toronto 18          |
| Dominion Screw Co. Ltd.                  | 173 McCormack St., Toronto 9       |
| Dominion Steel & Coal Corp. Limited      | 1020 Martingrove Rd., Etobicoke    |
| Dominion Tack & Nail Company Limited     | Galt                               |
| Domora Jobbers                           | Belleville                         |
| Donald Ropes & Wire Cloth Limited        | 180 King William St., Hamilton     |
| Dur-o-Wall Ltd.                          | 789 Woodward Ave., Hamilton        |
| Elgin Springs & Steel Products           | Cayuga                             |
| Federal Bolt & Nut Corp.                 | 55 Browns Line, Toronto 14         |
| Ferrier Wire Goods Company               | 22 Mulock Ave., Toronto 9          |
| Fitzgerald McAvoys Wire Goods            | 21 Haas Rd., Rexdale               |
| Florists' Wire Works                     | 364 Broadview Ave., Toronto 8      |
| Frost Steel & Wire Company Limited       | P.O. Box 55, Station B, Hamilton   |
| G.W. Wire Specialties                    | 276 Mary St. N., Hamilton          |
| Garden City Wire Works Co.               | 66 Pelham Rd., St. Catharines      |
| General Spring Products Ltd.             | Kitchener                          |
| Gerrard Company Ltd.                     | 140 Hunter St. E., Hamilton        |
| Gibb Manufacturing Co. Ltd.              | Port Credit                        |
| Globe Spring and Cushion Co. Limited     | 347 Sorauren Ave., Toronto 3       |
| Greening Industries Ltd.                 | 55 Queen St. N., Hamilton          |
| Greening Industries Ltd.                 | Midland                            |
| Greening Industries, Ltd.                | Orangeville                        |
| Griplock of Canada, Limited              | 76 Howden Rd., Scarborough         |
| Haca Supplies, Ltd.                      | 30 Market St., Hamilton            |
| Hamilton Wire Products Company, Ltd.     | 304 Gage Ave. N., Hamilton         |
| Hamond Industries, Ltd.                  | 67 Fifteenth St., Toronto 14       |
| Hi-Bek Precision Spring Co.              | 741 Woodward Ave., Hamilton        |
| Hoskins Alloys of Canada, Ltd.           | 20 Racine Rd., Rexdale             |
| Hyde Spring & Wire (Canada), Ltd.        | Brantford                          |
| Interlake Steel Products Co. Ltd.        | Thorold                            |
| Isard-Lefevre Mfg. Co. Ltd.              | 45 Dickens St., Toronto 8          |
| Kelson Spring Products Ltd.              | 108 Brandon Ave., Toronto          |
| Kitchener Spring Co. Limited             | Waterloo                           |
| L & M Screw Machine Products Ltd.        | 66 Milvan Drive, Weston            |
| Largo Manufacturing Co.                  | 154 King St. E., Toronto 2         |
| Lewis Screw & Fittings, Ltd.             | Galt                               |
| Linread Canada, Ltd.                     | Guelph                             |
| Lundy Steel Products, Limited            | Dunnville                          |
| Marcus Spring Co. Ltd.                   | 71 Ossington Ave., Toronto 3       |
| Marshall Industries Ltd.                 | Rexdale                            |
| May, Bruce, Manufacturing                | Belleville                         |
| Mercury Welding Machine Shop             | Oshawa                             |
| Mills Steel Products Ltd.                | P.O. Box 83, Station "C", Hamilton |
| Morrow Screw & Nut Company Limited       | Ingersoll                          |
| M-Perial Wire Ltd.                       | 217 Lambton Ave., Toronto 9        |
| Myers Wire Products Ltd.                 | Cooksville                         |
| National Socket Screw Mfg. Ltd.          | Beamsville                         |
| National-Standard Company of Canada Ltd. | Guelph                             |
| Neat Clip Manufacturers                  | 416 Richmond Rd., Ottawa 3         |
| Niagara Wire Weaving Co. Ltd., The       | Niagara Falls                      |
| No-Sag Spring Company Limited            | Industrial Rd., London             |
| Otomarc Manufactures Ltd.                | 71 Ossington Ave., Toronto 3       |
| Oxford Precision Products Ltd.           | Woodstock                          |
| Parmenter & Bulloch                      | Gananoque                          |
| Point Display Limited                    | 64 Birch Avenue, Toronto 7         |
| Poplar Screw Mach. Prods. Ltd.           | 5 Magnificent Rd. Toronto 18       |
| Premier Spring & Mfg. Co.                | Ayr                                |
| Prestole Corp. of Canada                 | 20 Racine Rd., Rexdale             |
| Power Fastener Co. Ltd.                  | 284 St. Helene Ave., Toronto 4     |
| Pritchard, E.W. and Sons                 | 99 Torrens Ave., Toronto 6         |
| Ranger Metal Products Ltd.               | Guelph                             |
| Rice Wire Products                       | 3077 Danforth Ave., Scarborough    |
| Robertson, P.L. Mfg. Co. Ltd.            | Milton                             |
| Rollit Products Limited                  | Brockville                         |
| Root Wire Ltd.                           | Bramalea                           |
| Sample, J.R.                             | 61 Duke St., Toronto 2             |
| Senco Products (Canada) Ltd.             | 64 Sheffield St., Toronto 15       |
| Small, Y.W. Parts Ltd.                   | Willowdale                         |
| Steel Company of Canada Limited          | Swansea                            |
| Steel Company of Canada Limited          | Brantford                          |
| Steel Company of Canada Limited          | Hamilton                           |
| Steel Company of Canada Limited          | Hamilton                           |
| Steele Bros. (Guelph) Ltd.               | Guelph                             |
| Steeles' Wire Springs Limited            | Guelph                             |
| Tamco Limited                            | La Salle                           |
| Thomson (Canada) Rivet Co. Ltd.          | Gananoque                          |
| Toronto Wire Works Co.                   | 2018 Dundas St. W., Toronto 3      |

List of Establishments classified to This Industry, 1963 - Concluded

| Name  | Location                                 |
|---|--|
| <b>Ontario - Concluded:</b>                               |  |
| Tyler, W.S. Co. of Canada Ltd. The .....                  | Kensington Ave., St. Catharines          |
| Vanstone, E.G. & Son Ltd. ....                            | 126 Atlantic Ave., Toronto 3             |
| Wallace Barnes Company Limited, The .....                 | 274 Sherman Ave., N., Hamilton           |
| Wallbank, P.J. Mfg. Co. Ltd. ....                         | Plattsville                              |
| Warren Automatics .....                                   | Peterborough                             |
| Wiens Screw Machine Products .....                        | Burlington                               |
| Willow Mfg. Co. Ltd. ....                                 | 21 Sable St., Toronto 15                 |
| Wiresmith Limited .....                                   | 44 Chauncey Ave., Toronto 18             |
| Wire Tie Manufacturing Co. Ltd. ....                      | Rodney                                   |
| Wittick, J.R. & Co. Ltd. ....                             | 128 Vine Ave., Toronto 9                 |
| Yonge Hanger & Wire Products Ltd. ....                    | 164 Mulock Ave., Toronto 9               |
| Young, G.R. Screw Machine Prod. Ltd. ....                 | 26 Six Points Rd., Toronto 18            |
| Young Spring & Wire Corp. of Canada Ltd. ....             | 1441 McDougall St., Windsor              |
| Zenith Screw Company Ltd. ....                            | Rexdale                                  |
| <b>Manitoba:</b>  |  |
| Damascus Steel Products Ltd. ....                         | Cordite Rd., North Kildonan              |
| Noiln-Hunter Mfg. Co. ....                                | Bertrand & Des Meurons Sts. St. Boniface |
| Regional Products Company .....                           | 455 Provencher Ave., St. Boniface        |
| Scott Screen Wire Co. Ltd. ....                           | 755 Tache Ave., St. Boniface             |
| Wire & Metal Specialty Co. Ltd. ....                      | 1960 Main St., Winnipeg 17               |
| <b>Alberta:</b>   |  |
| Alberta Wire Works Ltd. ....                              | 6904-103rd. St., Edmonton                |
| Atlas Ty and Supply Co. Ltd. ....                         | 1017-10th. Ave. S.W., Calgary            |
| Drader C.H. Manufacturing Ltd. ....                       | Box 35A R.R. #2, South Edmonton          |
| Gates Forming Accessories Ltd. ....                       | 214-50th Ave. S.E., Calgary              |
| Irving Industries Ltd. ....                               | 125-66th Ave. S.W., Calgary              |
| Soldan Fence & Metal Products Co. Ltd. ....               | 9935-75th Ave., Edmonton                 |
| Soroy Upholstery Springs .....                            | 9934-70th Ave., Edmonton                 |
| <b>British Columbia:</b>                                  |  |
| Advance Wire Products Ltd. ....                           | 1328 West 73rd Ave., Vancouver 19        |
| B.C. Anchor Fence Co. Ltd. ....                           | 1031 Pender St. W., Vancouver 1          |
| B.C. Diesel Service Engineers Ltd. ....                   | Granville Island, Vancouver 9            |
| British Reinforced Concrete Weldmesh (1960) Ltd. ....     | 3157 Grandview Hwy., Vancouver 12        |
| British Ropes Canadian Factory (1963) Ltd. ....           | 3185 Grandview Highway, Vancouver 12     |
| Butler, E.A. Mfg. & Eng. Limited .....                    | Abbotsford                               |
| Capital Wire Cloth Western Limited .....                  | New Westminster                          |
| Chamberlain Spring Co. Ltd. ....                          | 425 West 6th. Avenue, Vancouver 10       |
| Columbia Mfg. Co. Ltd. ....                               | 950 S.W. Marine Dr., Vancouver           |
| Gerrard Co. Limited .....                                 | Vancouver                                |
| Hardfacing Alloys (Canada) Ltd. ....                      | Burnaby                                  |
| Industrial Wire & Iron Works .....                        | 138-4th Ave. E., Vancouver 10            |
| Justesen, E.P. Mfg. Co. ....                              | North Burnaby                            |
| Morrison Steel & Wire Co. Ltd. ....                       | Granville Island, Vancouver 9            |
| No-Sag Spring Co. Ltd. ....                               | Richmond                                 |
| Pacific Bolt Division - Vancouver Rolling Mills Ltd. .... | 450 S.E. Marine Dr., Vancouver 14        |
| Staymet Alloys Limited .....                              | Haney                                    |
| West Coast Wire Works Limited .....                       | 8383 Manitoba St., Vancouver 15          |
| Western Metal Products Ltd. ....                          | 1000 Parker St., Vancouver 6             |
| Western Wire Products Ltd. ....                           | 1018 Burnaby St., Vancouver 5            |
| Western Wirecraft .....                                   | 1101 Union St., Vancouver 6              |
| Wright's Canadian Ropes Limited .....                     | 350 South East Marine Drive, Vancouver   |



# CONCEPTS AND DEFINITIONS

## Census of Manufactures

### General

The Census of Manufactures is an annual mail survey covering Canada's Manufacturing Industries. It is based on the Standard Classification of Industries and full details concerning the system may be found in the Standard Industrial Classification manual, Catalogue No. 12-501 which is available from the Queen's Printer or the Dominion Bureau of Statistics. In summary, the Classification as it relates to the manufacturing industries provides for a breakdown into 140 industries arranged in 20 major industry groups. Of the 140 (3 digit) industries, 18 are further broken down into 58 (4 digit) sub classes. At the Canada level, principal statistics are collected and compiled for 178 separate industries. They cannot all be published separately by province, however, because of the confidential nature of the data in certain provinces.

The reporting unit for the Census is designated as the **establishment** (see definition of "Establishment" in following section) and a return is requested from every establishment classified to a manufacturing industry. Although respondents are required to submit reports covering the calendar year, financial year reports other than the calendar year are accepted in instances where respondents find it impossible to supply calendar year data from accounting records. When an establishment is operated for only part of a year a report is required covering the period of operation.

There are four different questionnaires used in the Census of Manufactures; (a) short form (b) long form (c) head office questionnaire and (d) commodity questionnaire. The short and long forms are used to obtain principal statistics and commodities shipped from establishments classified to manufacturing industries and differ only in the amount of detail requested. The short form is a single-sheet questionnaire sent to small manufacturers generally reporting shipments of less than \$100,000; this cut-off, however, varies somewhat between industries. The head office questionnaire is generally used for company head offices and/or auxiliary units separately located from the manufacturing establishment(s), (see following notes on Head offices and auxiliary units). The Commodity questionnaire is used to survey certain establishments which are coded (on the basis of their principal activity) to industries other than manufacturing in the Standard Industrial Classification system, but which undertake some manufacturing as a subsidiary activity. This single-sheet questionnaire is designed to collect information on the quantity and value of goods of own manufacture shipped by such establishments in order to achieve full coverage of domestically manufactured commodities (see the following note under Shipments).

The results of the Census are presented in some 140 publications. In addition to these annual industry publications there are annual summary reports for Canada and the provinces and special reports giving principal statistics by detailed geographic areas, by type of ownership and size of establishment. A special annual report covering the shipments of all manufactured commodities arranged in alphabetical order is also published.

Since 1960 the following major changes have been implemented in the Census of Manufactures: (a) a revised Standard Industrial Classification (b) a new establishment definition and (c) an extension of the establishment definition to cover the non-manufacturing activities of manufacturing establishments. The statistics presented in the various 1963 reports reflect the complete implementation of these changes and enable comparisons to be made with the years 1961 and 1962. For a complete description of the procedures followed in establishing the revised series, reference should be made to the Explanatory Notes included in the 1960, 1961 and 1962 industry publications. The statistical framework within which the Census of Manufactures is now carried out is based on the following concepts and definitions which have been developed as part of a general programme to achieve a fully integrated system of economic statistics.

### Establishment

A manufacturing establishment is typically a factory, mill or plant principally engaged in manufacturing activities. The majority of such establishments are firms but many firms have more than one establishment. Such firms are requested to submit a separate Census of Manufactures report for each manufacturing establishment which can meet the reporting requirements embodied in the following definition of the "establishment":

"The smallest unit which is a separate operating entity capable of reporting the following principal statistics:

- Materials and supplies used
- Goods purchased for resale as such
- Fuel and power consumed
- Number of employees and salaries and wages
- Man-hours worked and paid
- Inventories
- Shipments or sales."

Each establishment is required to report on all the activities carried out within its accounting boundaries (except income from investments such as rent, interest and dividends) and data on the different activities (manufacturing, trading in goods not of own manufacture, construction by own labour



force, revenue from services, etc.) are requested to be reported separately. It should be noted that the statistics for separate activities are not completely consistent since some respondents cannot distinguish, in their records, materials, shipments and inventories relating solely to their own manufacturing activities. For example, inventory of goods purchased for re-sale may not be distinguishable from inventory of own manufactured goods. Complete consistency, therefore, can be obtained only at the "all operations" (total activity) level and for studies or statistical measures requiring accurate coordinated data, the "total" statistics should be used.

The number of establishments represents the number of operating units that are principally engaged in the activities of the manufacturing industries to which they have been classified. These units do not necessarily represent the total number engaged in the production of a commodity mainly produced in a certain industry. Some commodities are produced as secondary products in other manufacturing and non-manufacturing industries. It should be noted that head offices and auxiliary units which are surveyed separately are not included in the establishment count, (see following notes on head offices and auxiliary units).

#### **Head Offices and Auxiliary Units**

All head offices and auxiliary units of companies classified to the manufacturing industries such as sales offices, administrative offices, warehouses, laboratories, etc. are now surveyed as part of the Census of Manufactures.

These head offices and auxiliary units are either included in an establishment report or are surveyed by means of the head office questionnaire. The former is the most common case where a single establishment firm has its executive personnel, sales office, etc. located at the site of the manufacturing plant (establishment). The special head office questionnaire is generally used where a firm, regardless of the number of establishments, has separately located offices or auxiliary units. Such offices or units do not constitute establishments within the Census of Manufactures as they do not normally generate operational revenues, but give rise only to costs of operations (mainly salaries and wages) which are automatically included in the value of shipments or sales. Although not considered as establishments, and hence, not included in the "establishment" count for an industry, the operational costs are reflected in either the "Industry" statistics (3 or 4 digit level) or the "Major group" statistics (2 digit level) according to the following rules:

(a) In the case of single establishment firms, statistics for separately located offices and units are classified to the same industry (3 or 4 digit) as the establishment;

(b) In the case of multi-establishment firms, the statistics for such offices and units are coded to the same industry as the establishments of the

firm, when all establishments are in the same industry (3 or 4 digit). When establishments of such firms are coded (1) to different industries within a major group, (2) to industries in different major groups or (3) to industries in different divisions of the Standard Industrial Classification, then the statistics are included in the major group totals (2 digit level) in which the major part of the company's operations are classified. Although this may result in some distortion of major group statistics in the case of (2) and (3) the statistics at the industry (3 or 4 digit) level in all cases will be left free of these company-wide data.

#### **Employees**

##### **(a) Production and related workers — Manufacturing activity**

In addition to those engaged in production and assembling activities, they include those employed in storing, inspecting, handling, packing, warehousing, etc. They also include employees engaged in maintenance, repair, janitorial and watchman services and line supervisors (working foremen) engaged in similar work to that of the employees they supervise. Production and related workers engaged in manufacturing activity are reported as those receiving pay during the last pay period of each month, an average for the year being obtained by summing the monthly figures and dividing by 12. This procedure is followed even though the establishment did not operate in all months in order to arrive at equivalent annual full-time employment. The numbers are somewhat affected by turnover, in that employment is overstated when an employee changes employment during a pay period. The man-hours of production and related workers in manufacturing activity represent total man-hours paid (total hours at work during the calendar year plus hours not worked but nevertheless paid for, such as paid vacations, sick leave, statutory holidays, etc.). In reporting overtime hours, respondents are requested to report only hours actually at work. It should be noted that the division of hours paid into production and related workers payrolls results in average hourly earnings and does not represent hourly wage rates which are collected and published by the Department of Labour and which are based on selected occupations.

##### **(b) Production and related workers — Non-manufacturing activities**

Such employees include those on manufacturing establishments' payrolls engaged in activities such as construction undertaken for the use of these establishments, some outside piece-workers employed in certain industries, logging employees who are reported as part of a sawmilling establishment and any other production workers who are not engaged in manufacturing-type operations.

##### **(c) Administrative and office employees**

This category includes all executive and supervisory officials such as presidents, vice-presidents, comptrollers, secretaries, treasurers,

etc., together with managers, professional, technical and research employees, superintendents and factory supervisors above the line supervisor or working foreman level, and clerical staffs. Also included are employees in activities such as advertising, credit collections, purchasing, personnel, legal, medical, etc. It should be noted that prior to 1961 this category also included working owners and partners. Also included in this category are employees located at head offices or auxiliary units separately located from the establishment; these are generally included in the figures for the province in which they are located according to the rules outlined under "Head offices and auxiliary units" above.

#### (d) Sales and distribution workers

This category includes office personnel whose salaries are charged to selling expense, travelling salesmen, driver salesmen, truckdrivers and their helpers, etc. It may also include some sales employees who are reported as part of a manufacturing establishment but are not working at the establishment's location. These are generally broken down by province in cases where more than 15 employees are involved in any one province. The figures exclude persons working on a commission basis who are not considered regular employees of the establishment.

#### (e) Total Employees

This total comprises the foregoing categories including employees located at separately located head offices and auxiliary units. The numbers of employees included under categories (b), (c) and (d) are reported in the form of annual averages and represent as closely as possible full time employment; adjustments are made when reported figures indicate the existence of part time or seasonal employment. In all the above categories, figures on employment refer to the calendar year whether or not other establishment statistics can only be reported on a fiscal year other than the calendar year.

#### Working Owners or Partners

These are not now included in the statistics of employees and salaries and wages. There is some duplication in numbers when a person owns more than one establishment and is reported as a working owner on each Census return. Withdrawals of working owners defined as amounts withdrawn by owners or partners for normal living expenses excluding withdrawals for payment of income tax.

#### Salaries and Wages

Salaries and wages refer to gross earnings of employees **before** deductions for income tax and employees contributions to social services such as sickness, accident and unemployment insurance, pensions, etc. They include all salaries, wages, bonuses, profits shared with employees, the value of room and board where provided, commissions (paid to regular employees only) as well as any

other allowance forming part of the worker's earnings. Payments for over-time are included. Figures on salaries and wages refer to the calendar year.

#### Fuel and Electricity

Figures for fuel refer to amounts actually used (including fuel used in cars, trucks, locomotives, etc.), not to purchases unless the quantities are substantially the same. **Any fuel and electricity produced by establishments for internal consumption are not included in the total cost.** Values represent laid down cost at the establishment including freight, duty, etc. Although fuel and electricity used is considered part of manufacturing activity it should be noted that it also includes relatively small amounts used in non-manufacturing activities since these cannot be reported separately.

#### Materials and Supplies

##### (a) Manufacturing activities

Figures represent quantities and laid down cost values, at the establishment, of materials, supplies and purchased components owned and used during the year in manufacturing activities and related processes. These statistics represent only commodity items or physical goods (cost of services or overhead charges such as advertising, insurance, depreciation, etc. are not included) whether purchased from others or received as transfers (in the form of materials, components or semi-processed goods) from other establishments of the reporting company. Included are maintenance and repair supplies not chargeable to fixed assets accounts and any amounts charged by other establishments for work done on materials owned by the reporting establishment. Cost of repairs or maintenance done by outside contractors and cost of returnable containers are not included.

##### (b) Non-manufacturing activities

###### 1. Purchases for re-sale as such

Figures represent cost of materials or products purchased from others by the reporting establishment (or received as transfers from other establishments of the reporting company) for re-sale as such in the same condition as purchased. Included are any finished products received on consignment from other countries.

###### 2. Other materials and supplies used

Figures represent the cost of materials and supplies, if any, used in new construction and in the production of machinery and equipment (for the use of the reporting establishment) by the establishment's own employees. Included are materials used for any capital repairs and alterations carried out by the establishment's employees. Amounts paid to outside contractors for construction and repair work are not included nor is the cost of purchased machinery and equipment. Also included is the cost of office supplies not chargeable to



fixed assets accounts and the cost of such other items of materials and supplies used as food, beverages and supplies for establishment-operated cafeterias and lunch counters, first aid and medical supplies, laboratory supplies, etc.

## **Shipments**

### **(a) General**

The figures represent revenue from all production, sales, services and related activities of reporting establishments with shipments valued in Canadian dollars at the point at which the establishment relinquishes control. The unsold portion at year end of consignment shipments in Canada is treated as inventory and not as shipments but all shipments to foreign countries for which the form B13 "Customs Canada Export Entry" has been completed, are treated as shipments.

In those industries where work on principal products extends over a relatively long period, (Fabricated Structural Metal Industry, Aircraft and Parts Manufacturers, Railroad Rolling Stock Industry and Shipbuilding and Repair Industry) the value of production rather than the value of shipments is recorded. There are certain establishments in other industries which also operate on a basis of progress payments. For these establishments, shipments are also adjusted to work put in place on the basis of the net change in progress payments over the year.

### **(b) Shipments of goods of own manufacture**

These figures represent shipments of goods made from own materials either in the reporting establishments or by other manufacturers on the basis of a charge to the reporting establishments for work done. Included are revenue from repair and custom work, amounts received in payment for work done on materials owned by other establishments and the cost (book value) of any goods shipped on a rental basis.

All products and by-products of own manufacture shipped from the establishment are covered, including transfer shipments to sales outlets, distributing warehouses or to other manufacturing plants of the reporting firm, when such units are treated as separate establishments. The value of shipments are net of returned goods, discounts, returns, allowances, sales tax and excise taxes and duties, returnable containers and charges for outward transportation by common or contract carriers. Transportation or delivery expense incurred by the reporting establishment's own carriers are included.

Shipments of goods of own manufacture of establishments which are coded to some other division of the Standard Industrial Classification (on the basis of principal activity) but which are engaged in manufacturing as a subsidiary activity are collected by means of the Commodity questionnaire referred to earlier. Such shipments together

with shipments of goods of own manufacture of establishments forming the universe of manufacturing industries are compiled and recorded in the various industry publications.

### **(c) Shipments of goods not of own manufacture**

These figures represent the net selling value at establishment (net of discounts, returns, allowances, sales taxes and excise duties and taxes and transportation charges by common or contract carriers) of all products or materials (including products transferred from other establishments of the reporting firm) sold as such in the same condition as purchased or received as transfers. For those industries which ship such goods on a rental basis, the value of shipments represents the book value of these goods. All sales of consignment goods from other countries are included.

### **(d) Other revenue**

Figures represent the book value of fixed assets, if any, (new construction and machinery and equipment including major repairs, alterations, additions, modifications, installation and assembly work) produced during the year for the use of reporting establishments by the establishment's own employees and for which depreciation accounts are maintained. Included also are any revenues from the sale of electricity and from any operations performed by the establishment's own employees, such as revenue from goods produced or purchased for rental (the book value of such goods are included as part of shipments of goods of own manufacture or shipments of goods not of own manufacture), servicing revenues, commissions on sales (when not included in value of sales), revenue for company-operated cafeterias and lunch counters and revenue from outside installation or construction work not related to the establishment's own products, sale of used materials (excluding sale of used fixed assets) research and development work, etc. As mentioned previously the figures do not include non-operating revenue such as rent, dividends, interest, etc.

## **Inventories**

### **(a) Manufacturing activities**

Values represent the book values of manufacturing inventory owned in Canada. Inventories held for which progress payments have been received are not included. Where progress payment accounts are maintained, the change in these accounts is treated as a net adjustment to shipments. Figures consist of inventory owned at the plant and at warehouses or selling outlets which are treated as extensions of establishments for the purpose of reporting shipments. Inventory owned in transit in Canada or on consignment in Canada is included. Goods shipped abroad and held in inventory are included in shipments. Opening inventories may differ from the closing inventories of the previous year because of changes in classification, the

receipt of revised data, the inclusion of new establishments and the removal of establishments which did not operate during the survey year.

**(b) Non-manufacturing activities**

Figures represent the book value of inventory of goods purchased for re-sale as such without further processing, owned by the reporting establishments and held at plants and at any warehouses or selling outlets which are treated as extensions of establishments. Other characteristics are the same as in (a) above.

**Value Added**

**(a) By manufacturing activities**

Figures are compiled by deducting the cost of materials and fuel and electricity consumed from the value of production (value of shipments adjusted for changes in the value of inventories of finished goods and goods in process).

**(b) By non-manufacturing activities**

The figures are compiled by deducting the cost of goods purchased for re-sale (adjusted for changes in the value of inventories of goods

purchased for re-sale) and the cost of other materials and supplies used from the value of shipments of goods not of own manufacture, plus other revenue.

**(c) By Total activities**

The figures consist of value added by manufacturing activities plus value added by non-manufacturing activities. This total value added figure may, in some cases, be less than value added by manufacturing activities as a result of expenditures associated with non-manufacturing exceeding revenues from such activities or because of a decrease in inventory of goods not of own manufacture exceeding the mark-up on the sale of such goods. "Value added" is sometimes referred to as net production. However, to arrive at the National Accounts concept of net production, or Gross Domestic Product at "Factor cost" it would be necessary to subtract also the cost of advertising, insurance and other business expenses which are not collected as part of the annual Census of Manufactures. "Value added" figures for the primary industries, manufacturing and construction are published in DBS publication Catalogue No. 61-202, "Survey of Production".





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