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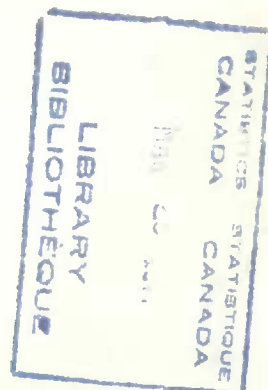
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CANADA



# THE MISCELLANEOUS INDUSTRIES

## 1955

*Published by Authority of*  
The Right Honourable C. D. Howe, Minister of Trade and Commerce

DOMINION BUREAU OF STATISTICS  
Industry and Merchandising Division  
Textiles and Miscellaneous Products Section

6503-571-125

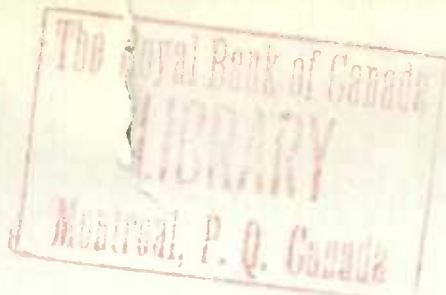
Price 15 cents

Vol. 2—Part XIX—E-1

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## NOTICE

The annual reports prepared by the Industry and Merchandising Division of the Bureau of Statistics are divided into 3 volumes, as follows: **Volume I** — The Primary Industries, including mining, forestry and fisheries; **Volume II** — Manufacturing; **Volume III** — Merchandising and Services. The volumes are made up of parts, and the parts in turn are subdivided according to the industries or provinces which they comprise.

Volume II consists of the following parts, the first two of which deal with manufacturing as a whole and the balance with the major manufacturing groups.

- I — General Review of the Manufacturing Industries, \$1.50
- II — The Manufacturing Industries of Canada, (7 sections, as follows:)
  - Section A. Summary for Canada, 25¢
  - Section B. Atlantic Provinces, 50¢
  - Section C. Quebec, 25¢
  - Section D. Ontario, 25¢
  - Section E. Prairie Provinces, 40¢
  - Section F. British Columbia, 25¢
  - Section G. The Manufacturing Industries of Canada, Regional Distribution, 75¢
- III — Foods and Beverages
- IV — Tobacco and Tobacco Products
- V — Rubber Products
- VI — Leather Products
- VII — Textile Mills
- VIII — Knitting Mills
- IX — Clothing
- X — Wood and Paper Products
- XI — Printing Trades
- XII — Iron and Steel Products
- XIII — Transportation Equipment
- XIV — Non-ferrous Metal Products
- XV — Electrical Apparatus and Supplies
- XVI — Non-metallic Mineral Products
- XVII — Products of Petroleum and Coal
- XVIII — Chemicals and Allied Products
- XIX — Miscellaneous Manufactures

The present report belongs in Part XIX, Miscellaneous Manufactures. It is punched to permit of filing in a ring binder along with others of the group. The reports in this group are:

- A — The Button, Buckle and Fastener Industry, 25¢
- B — The Broom, Brush and Mop Industry, 25¢
- C — The Musical Instrument Industry, 25¢
- D — The Sporting Goods Industry, 25¢
- E — The Miscellaneous Industries, 25¢

(May 2, 1957)

# THE MISCELLANEOUS INDUSTRIES

## 1955

The Standard Industrial Classification adopted by the Bureau in 1949 has as one of its major manufacturing divisions a group entitled "Miscellaneous Industries". This group differs very little from the group of the same name in our former classification and like it is comprised of relatively small, unrelated industries.

This industrial group reported a record level of operations in 1955. Factory selling value of products shipped by the industries reached an all-time high of \$283,147,866. This total represents an increase of 8.3 per cent over the previous high of \$261,282,891 established in 1953 and an increase of 12.2 per cent over the \$252,306,085 worth of goods shipped in 1954.

Employment was given to 31,511 persons in 1955. This increase of 440 persons or 1.4 per cent over 31,071 persons in the previous year was accompanied by a 4.1 per cent rise in payroll figures from \$85,748,818 to \$89,239,630. Materials and supplies used in manufacturing operations in 1955 cost \$114,448,353 while in 1954 their cost was \$102,179,368, showing a rise of \$12,268,985 or 12.0 per cent. Fuel and electricity consumed in the same two years revealed an increase of 9.3 per cent from \$3,354,557 in the earlier year to \$3,665,780 in the later. The industrial group was comprised of 1,524 establishments in 1955 compared with 1,360 establishments in 1954.

Ontario was the leading province in the group in 1955 and contributed 63.1 per cent of the value of factory shipments while Quebec followed with 29.3 per cent. Of the 31,511 employees, 18,819 or 59.7 per cent were in Ontario establishments and 10,081 or 32.0 per cent were in those of Quebec. These two provinces have consistently dominated the activity of the group.

Beginning with 1954, information on the value of year end inventory holdings at plant and plant warehouses is being collected as part of the Annual Census of Industry. This data was formerly collected by a separate survey. The summarized re-

sults for the miscellaneous industries for the year under review will be found in Table 3.

Up until 1950, it was the practice of the Bureau to issue separate annual reports on four only of the industries comprising the group, namely; Brooms, brushes and mops; Buttons, buckles and fasteners; Musical instruments; and Sporting goods. The remaining industries were not made the subject of separate reports mainly on account of their size and, consequently, the small amount of publishable statistical information concerning them.

In recent years, however, these industries have experienced an expansion which is expected to continue. In consideration of their growth and the interest now manifest in many of them, this publication concerning them was initiated with a report covering their 1950 operations. It deals with eighteen diverse industries as well as the combined principal statistics of the entire group and is published annually. Separate reports continue to be published on the four industries specifically mentioned in the preceding paragraph.

The industries dealt with in this report and the pages on which they will be found are as follows:

|  | Page |
|--|------|
| Artificial flowers and feathers .....            | 5    |
| Candles .....                                    | 7    |
| Clocks, watches and watch cases .....            | 8    |
| Fountain pens and pencils .....                  | 9    |
| Hair goods, animal and human .....               | 11   |
| Ice, artificial .....                            | 11   |
| Lamps, electric and lamp shades .....            | 12   |
| Models and patterns (except paper) .....         | 13   |
| Pipes, lighters and other smokers' supplies .... | 14   |
| Plastics products .....                          | 14   |
| Scientific and professional equipment .....      | 17   |
| Signs, electric, neon and other .....            | 20   |
| Stamps and stencils, rubber and metal .....      | 22   |
| Statuary, art goods and novelties .....          | 22   |
| Toys and games .....                             | 23   |
| Typewriter supplies .....                        | 25   |
| Umbrellas .....                                  | 26   |
| Miscellaneous .....                              | 26   |

Note. The commodity figures shown for the industries in this publication are not necessarily Canadian totals for the items specified. It is not unusual for a commodity to be produced as a secondary product in two or more industries. For total Canadian figures reference should be made to the appendix to the annual report entitled "General Review of the Manufacturing Industries of Canada".

## MISCELLANEOUS MANUFACTURES

TABLE 1. Principal Statistics of the Miscellaneous Industries Group, 1926-1955

| Year and province      | Estab-<br>lish-<br>ments | Em-<br>ployees | Salaries<br>and wages | Cost at<br>plant of<br>fuel and<br>electricity | Cost at<br>plant of<br>materials<br>used | Value<br>added by<br>manufacture | Gross<br>value of<br>production <sup>1</sup> |
|------------------------|--------------------------|----------------|-----------------------|--|--|----------------------------------|--|
|                        | No.                      | No.            | \$                    | \$   | \$                                       | \$                               | \$   |
| 1926 .....             | 393                      | 10,032         | 11,309,121            | 581,014  | 18,061,371                               | 22,939,666                       | 41,582,051                                   |
| 1929 .....             | 421                      | 10,786         | 12,457,989            | 524,317  | 22,495,351                               | 28,188,068                       | 51,207,736                                   |
| 1933 .....             | 459                      | 8,351          | 7,810,976             | 466,678  | 9,497,751                                | 14,174,498                       | 24,138,927                                   |
| 1937 .....             | 545                      | 11,699         | 11,936,704            | 651,462  | 17,792,121                               | 22,807,498                       | 41,251,081                                   |
| 1939 .....             | 566                      | 12,280         | 13,045,929            | 576,340  | 18,308,810                               | 24,508,056                       | 43,393,206                                   |
| 1942 .....             | 657                      | 22,474         | 27,202,456            | 1,226,613                                      | 49,292,782                               | 46,918,549                       | 97,437,944                                   |
| 1945 .....             | 692                      | 24,024         | 37,187,275            | 1,403,334                                      | 83,549,139                               | 59,571,126                       | 144,523,599                                  |
| 1948 .....             | 814                      | 22,315         | 40,906,054            | 1,598,001                                      | 48,007,617                               | 75,510,756                       | 125,116,374                                  |
| 1949 .....             | 893                      | 26,401         | 51,147,475            | 1,985,068                                      | 59,778,187                               | 94,600,066                       | 156,363,321                                  |
| 1950 .....             | 1,007                    | 27,219         | 56,409,875            | 2,214,533                                      | 67,469,334                               | 99,628,735                       | 169,312,602                                  |
| 1951 .....             | 1,173                    | 28,756         | 66,908,755            | 2,612,594                                      | 87,292,415                               | 120,899,546                      | 210,804,555                                  |
| 1952 .....             | 1,313                    | 29,833         | 74,133,582            | 2,867,401                                      | 87,550,232                               | 135,203,233 <sup>2</sup>         | 225,620,866                                  |
| 1953 .....             | 1,350                    | 32,223         | 85,954,495            | 3,051,957                                      | 103,467,901                              | 154,763,033 <sup>2</sup>         | 261,282,891                                  |
| 1954                   |                          |                |                       |  |  |                                  |  |
| Canada .....           | 1,360                    | 31,071         | 85,748,818            | 3,354,557                                      | 102,179,368                              | 149,157,222                      | 252,306,085                                  |
| Newfoundland .....     | 3                        | 45             | 73,576                | 9,043  | 89,467                                   | 84,939                           | 188,239                                      |
| Nova Scotia .....      | 16                       | 62             | 161,697               | 55,903   | 75,295                                   | 313,940                          | 443,701                                      |
| New Brunswick .....    | 14                       | 353            | 911,691               | 77,641   | 1,285,266                                | 1,772,333                        | 3,138,276                                    |
| Quebec .....           | 436                      | 9,509          | 24,707,500            | 882,813  | 31,290,394                               | 42,532,776                       | 74,427,507                                   |
| Ontario .....          | 687                      | 19,151         | 54,348,342            | 2,009,153                                      | 64,547,899                               | 95,067,578                       | 159,567,287                                  |
| Manitoba .....         | 52                       | 638            | 1,451,284             | 83,658   | 2,182,251                                | 2,813,380                        | 5,051,279                                    |
| Saskatchewan .....     | 12                       | 54             | 143,304               | 14,242   | 122,619                                  | 287,756                          | 419,882                                      |
| Alberta .....          | 35                       | 278            | 850,472               | 66,600   | 391,076                                  | 1,778,029                        | 2,234,429                                    |
| British Columbia ..... | 105                      | 981            | 3,100,952             | 155,504  | 2,195,101                                | 4,506,491                        | 6,835,485                                    |
| 1955                   |                          |                |                       |  |  |                                  |  |
| Canada .....           | 1,524                    | 31,511         | 89,239,630            | 3,665,780                                      | 114,448,353                              | 164,876,649                      | 283,147,866                                  |
| Newfoundland .....     | 3                        | 38             | 77,246                | 8,055  | 99,511                                   | 111,791                          | 210,504                                      |
| Nova Scotia .....      | 16                       | 68             | 184,812               | 53,061   | 105,119                                  | 293,862                          | 454,042                                      |
| New Brunswick .....    | 14                       | 390            | 994,401               | 80,351   | 1,221,030                                | 1,749,655                        | 3,102,172                                    |
| Quebec .....           | 483                      | 10,081         | 25,813,324            | 980,530  | 35,392,182                               | 46,651,758                       | 83,013,335                                   |
| Ontario .....          | 763                      | 18,819         | 56,067,370            | 2,164,696                                      | 71,552,754                               | 104,764,146                      | 178,628,258                                  |
| Manitoba .....         | 59                       | 680            | 1,657,008             | 97,363   | 2,733,208                                | 3,138,238                        | 5,965,421                                    |
| Saskatchewan .....     | 11                       | 54             | 148,484               | 14,722   | 119,178                                  | 336,230                          | 472,322                                      |
| Alberta .....          | 46                       | 332            | 1,013,698             | 69,023   | 642,708                                  | 2,295,339                        | 2,983,541                                    |
| British Columbia ..... | 129                      | 1,049          | 3,283,287             | 197,979  | 2,582,663                                | 5,535,630                        | 8,318,263                                    |

1. Commencing with 1952 gross value of production was replaced by value of factory shipments.

2. Because of insufficient inventory data in 1952 and 1953, these figures have been calculated from value of factory shipments and are, therefore, only approximations to true "value added by manufacture".

TABLE 2. Principal Statistics of the Industries Comprising the Miscellaneous Industries Group, 1955

| Industry  | Estab-<br>lish-<br>ments | Em-<br>ployees | Salaries<br>and wages | Cost at<br>plant of<br>fuel and<br>electricity | Cost at<br>plant of<br>materials<br>used | Value<br>added by<br>manufacture | Selling<br>value of<br>factory<br>shipments |
|---|--------------------------|----------------|-----------------------|--|--|----------------------------------|---|
|   | No.                      | No.            | \$                    | \$   | \$                                       | \$                               | \$  |
| Artificial flowers and feathers ..                | 44                       | 468            | 904,149               | 28,883   | 993,903                                  | 1,508,317                        | 2,530,755                                   |
| Brooms, brushes and mops .....                    | 101                      | 2,113          | 5,103,727             | 169,898  | 7,823,119                                | 9,150,960                        | 17,299,701                                  |
| Buttons, buckles and fasteners ..                 | 45                       | 1,569          | 4,102,266             | 124,701  | 5,096,486                                | 6,583,795                        | 12,096,620                                  |
| Candles .....                                     | 15                       | 224            | 566,958               | 37,228   | 1,137,845                                | 1,470,731                        | 2,625,924                                   |
| Clocks, watches and watchcases ..                 | 35                       | 1,107          | 3,501,645             | 52,343   | 7,027,734                                | 6,945,639                        | 14,299,124                                  |
| Fountain pens and pencils .....                   | 17                       | 1,040          | 2,713,923             | 78,496   | 5,164,258                                | 6,053,119                        | 11,458,847                                  |
| Hair goods, animal and human ....                 | 13                       | 102            | 297,776               | 10,458   | 873,382                                  | 513,909                          | 1,384,282                                   |
| Ice, artificial .....                             | 66                       | 550            | 1,525,372             | 524,673  | 183,129                                  | 3,194,479                        | 3,908,327                                   |
| Lamps, electric and lamp shades ..                | 65                       | 1,283          | 2,789,422             | 109,991  | 4,817,295                                | 4,980,403                        | 9,850,158                                   |
| Models and patterns (except paper) ..             | 70                       | 387            | 1,473,898             | 43,729   | 475,261                                  | 2,322,837                        | 2,842,375                                   |
| Musical instruments .....                         | 28                       | 1,213          | 3,491,161             | 162,637  | 3,134,123                                | 6,876,363                        | 10,182,867                                  |
| Pipes, lighters and other smokers' supplies ..... | 13                       | 175            | 472,493               | 19,265   | 1,165,152                                | 1,214,611                        | 2,443,097                                   |
| Plastics products .....                           | 170                      | 4,379          | 11,333,120            | 564,350  | 24,247,328                               | 24,459,307                       | 48,732,590                                  |

TABLE 2. Principal Statistics of the Industries Comprising the Miscellaneous Industries Group, 1955 - Concluded

| Industry   | Estab-<br>lish-<br>ments | Em-<br>ployees | Salaries<br>and wages | Cost at<br>plant of<br>fuel and<br>electricity | Cost at<br>plant of<br>materials<br>used | Value<br>added by<br>manufacture | Selling<br>value of<br>factory<br>shipments |
|--|--------------------------|----------------|-----------------------|--|--|----------------------------------|---|
|  | No.                      | No.            | \$                    | \$   | \$                                       | \$                               | \$  |
| Scientific and professional equip-<br>ment ..... | 151                      | 6,514          | 22,957,061            | 569,441  | 22,789,219                               | 40,149,398                       | 63,223,468                                  |
| Signs, electric, neon and other....              | 305                      | 3,102          | 9,777,004             | 537,754  | 7,819,492                                | 16,930,088                       | 25,278,087                                  |
| Sporting goods .....                             | 92                       | 1,828          | 4,500,836             | 174,637  | 4,975,649                                | 7,841,030                        | 13,032,152                                  |
| Stamps and stencils, rubber and<br>metal .....   | 65                       | 897            | 2,605,349             | 73,032   | 1,596,363                                | 4,008,974                        | 5,642,901                                   |
| Statuary, art goods and novelties                | 117                      | 882            | 1,982,841             | 72,468   | 1,633,705                                | 2,988,597                        | 4,712,793                                   |
| Toys and games .....                             | 56                       | 1,405          | 3,320,076             | 139,954  | 6,231,378                                | 5,762,524                        | 12,311,395                                  |
| Typewriter supplies .....                        | 10                       | 395            | 1,216,459             | 35,601   | 2,510,102                                | 2,582,566                        | 5,120,176                                   |
| Umbrellas .....                                  | 8                        | 167            | 347,779               | 7,086  | 713,814                                  | 625,735                          | 1,314,797                                   |
| Miscellaneous .....                              | 38                       | 1,711          | 4,256,315             | 129,155  | 4,039,616                                | 8,713,267                        | 12,857,430                                  |
| <b>Total .....</b>                               | <b>1,524</b>             | <b>31,511</b>  | <b>89,239,630</b>     | <b>3,665,780</b>                               | <b>114,448,353</b>                       | <b>164,876,649</b>               | <b>283,147,866</b>                          |

TABLE 3. Inventories<sup>1</sup> of the Miscellaneous Industries Group, 1955

|                        | Raw materials<br>and<br>supplies | Goods in<br>process | Finished goods<br>of own<br>manufacture | Total             |
|------------------------|----------------------------------|---------------------|---|-------------------|
|                        | \$                               | \$                  | \$                                      | \$                |
| Opening: <sup>2</sup>  |                                  |                     |   |                   |
| Newfoundland .....     | 61,928                           | 800                 | 5,251                                   | 67,979            |
| Nova Scotia .....      | 26,907                           | 3,424               | 4,046                                   | 34,377            |
| New Brunswick .....    | 469,299                          | 254,043             | 449,665                                 | 1,173,007         |
| Quebec .....           | 8,930,724                        | 2,984,683           | 4,334,274                               | 16,249,681        |
| Ontario .....          | 17,699,669                       | 7,968,475           | 14,574,370                              | 40,242,514        |
| Manitoba .....         | 494,403                          | 86,541              | 202,862                                 | 783,806           |
| Saskatchewan .....     | 37,930                           | 2,700               | 11,418                                  | 52,048            |
| Alberta .....          | 122,672                          | 31,911              | 455                                     | 155,038           |
| British Columbia ..... | 612,736                          | 118,671             | 240,266                                 | 971,673           |
| <b>Canada .....</b>    | <b>28,456,268</b>                | <b>11,451,248</b>   | <b>19,822,607</b>                       | <b>59,730,123</b> |
| Closing:               |                                  |                     |   |                   |
| Newfoundland .....     | 37,332                           | 1,800               | 14,100                                  | 53,232            |
| Nova Scotia .....      | 32,308                           | 5,000               | 2,046                                   | 39,354            |
| New Brunswick .....    | 435,272                          | 256,537             | 398,529                                 | 1,090,338         |
| Quebec .....           | 9,510,664                        | 3,834,736           | 4,345,405                               | 17,690,805        |
| Ontario .....          | 18,624,248                       | 9,745,943           | 14,427,708                              | 42,797,899        |
| Manitoba .....         | 524,072                          | 78,664              | 206,250                                 | 808,986           |
| Saskatchewan .....     | 39,162                           | 9,919               | 9,226                                   | 58,307            |
| Alberta .....          | 156,835                          | 51,882              | 23,984                                  | 232,701           |
| British Columbia ..... | 625,012                          | 188,384             | 238,275                                 | 1,051,671         |
| <b>Canada .....</b>    | <b>29,984,905</b>                | <b>14,172,865</b>   | <b>19,665,523</b>                       | <b>63,823,293</b> |

1. Book value of all manufacturing inventories held at plant and plant warehouses.

2. Where the opening inventory for 1955 differs from the closing figure published for 1954, it is because of corrections, new firms and the removal of figures for firms which did not operate during 1955.

### The Artificial Flowers and Feathers Industry

The level of operations in this industry remained practically the same in 1955 as in 1954 with 44 establishments having factory shipments valued at \$2,530,755 in 1955 and 43 establishments with factory shipments valued at \$2,558,585 in the previous year. Employment was given to 468 persons. 35 less than the year before while the payroll decreased from \$931,675 to \$904,149, a drop of 3.0 per cent. Materials used cost \$993,903 in 1955 showing a slight increase over the cost of materials used in 1954 which was \$952,970.

The industry is practically confined to the provinces of Ontario and Quebec. Quebec with 27

establishments accounted for 67.3 per cent of the persons engaged in the industry and 64.8 per cent of its shipments. Ontario accounted for the balance of employment and shipments except for the contribution of one firm in each of Manitoba, Saskatchewan and Alberta.

Artificial flowers, the principal item of production, were shipped in the amount of \$1,453,134 in 1955. Second in importance were feathers and feather trimmings which were shipped to the extent of \$331,286. For further details of products, see Table 2.

TABLE 1. Principal Statistics, Representative Years, 1927-1955

| Year and province                              | Estab-<br>lish-<br>ments | Em-<br>ployees | Salaries<br>and wages | Cost at<br>plant of<br>fuel and<br>electricity | Cost at<br>plant of<br>materials<br>used | Value<br>added by<br>manufacture | Gross<br>value of<br>production <sup>1</sup> |
|--|--------------------------|----------------|-----------------------|--|--|----------------------------------|--|
|  | No.                      | No.            | \$                    | \$   | \$                                       | \$                               | \$   |
| 1927 .....                                     | 7                        | 166            | 127,924               | 654  | 161,121                                  | 261,666                          | 423,441                                      |
| 1932 .....                                     | 4                        | 99             | 57,640                | 527  | 40,204                                   | 76,940                           | 117,671                                      |
| 1937 .....                                     | 19                       | 350            | 201,689               | 1,566  | 170,919                                  | 354,405                          | 526,890                                      |
| 1939 .....                                     | 23                       | 490            | 314,374               | 3,284  | 342,485                                  | 450,620                          | 796,389                                      |
| 1942 .....                                     | 26                       | 657            | 521,455               | 8,519  | 450,047                                  | 723,398                          | 1,181,964                                    |
| 1945 .....                                     | 30                       | 689            | 706,074               | 8,193  | 796,486                                  | 1,293,186                        | 2,097,865                                    |
| 1946 .....                                     | 35                       | 749            | 827,817               | 10,269   | 867,783                                  | 1,440,324                        | 2,318,376                                    |
| 1947 .....                                     | 41                       | 687            | 796,704               | 12,351   | 680,430                                  | 1,250,543                        | 1,943,324                                    |
| 1948 .....                                     | 36                       | 710            | 888,196               | 16,427   | 888,275                                  | 1,444,082                        | 2,348,784                                    |
| 1949 .....                                     | 38                       | 677            | 915,935               | 12,761   | 1,133,009                                | 1,570,532                        | 2,716,302                                    |
| 1950 .....                                     | 38                       | 709            | 957,887               | 12,195   | 960,508                                  | 1,688,243                        | 2,660,946                                    |
| 1951 .....                                     | 39                       | 676            | 996,264               | 12,912   | 1,050,488                                | 1,676,903                        | 2,740,303                                    |
| 1952 .....                                     | 42                       | 573            | 875,051               | 13,390   | 1,054,829                                | 1,607,121 <sup>3</sup>           | 2,675,340                                    |
| 1953 .....                                     | 45                       | 516            | 926,600               | 18,292   | 1,076,417                                | 1,665,843 <sup>3</sup>           | 2,760,552                                    |
| 1954   |                          |                |                       |  |  |                                  |  |
| Canada .....                                   | 43                       | 503            | 931,675               | 27,228   | 952,970                                  | 1,596,385                        | 2,558,585                                    |
| Quebec .....                                   | 27                       | 353            | 649,153               | 19,060   | 735,586                                  | 1,086,438                        | 1,843,257                                    |
| Ontario and other provinces <sup>2</sup> ..... | 16                       | 150            | 282,522               | 8,168  | 217,384                                  | 509,947                          | 715,328                                      |
| 1955   |                          |                |                       |  |  |                                  |  |
| Canada .....                                   | 44                       | 468            | 904,149               | 28,883   | 993,903                                  | 1,508,317                        | 2,530,755                                    |
| Quebec .....                                   | 27                       | 315            | 607,155               | 19,415   | 669,998                                  | 892,605                          | 1,639,325                                    |
| Ontario and other provinces <sup>2</sup> ..... | 17                       | 153            | 296,994               | 9,468  | 323,905                                  | 615,712                          | 891,430                                      |

1. Commencing with 1952 value of factory shipments has been collected instead of gross value of production.

2. Other provinces include—Manitoba 1, Saskatchewan 1 and Alberta 1.

3. Because of insufficient inventory data in 1952 and 1953, these figures have been calculated from value of factory shipments and are, therefore, only approximations to true "value added by manufacture".

TABLE 2. Factory Shipments 1954 and 1955

| Products                               | 1954                        | 1955                        |
|--|-----------------------------|-----------------------------|
|  | Selling value<br>at factory | Selling value<br>at factory |
|  | \$                          | \$                          |
| Artificial flowers:                    |                             |                             |
| Silk, velvet and cotton .....          | 907,837                     | 726,529                     |
| Crepe paper .....                      | 262,601                     | 164,793                     |
| Other .....                            | 515,122                     | 561,812                     |
| Feathers, all kinds .....              | 252,972                     | 157,079                     |
| Feather trimmings .....                | 105,272                     | 174,207                     |
| Wreaths, decorative and memorial ..... | 257,979                     | 297,586                     |
| All other products .....               | 256,802                     | 448,749                     |
| Total value of products .....          | 2,558,585                   | 2,530,755                   |

## The Candle Industry

In 1955 reports were received from 15 establishments engaged primarily in the manufacture of candles. Twelve of these establishments were located in Quebec and one in each of Ontario, Saskatchewan and British Columbia. As indicated by the number of establishments, Quebec occupied the leading position in the industry with a high percentage of the number of persons given employment and of the value of goods shipped.

The factory shipments made by the industry in 1955 were valued at \$2,625,924, which represents a decrease of 2.8 per cent from \$2,700,401 in the previous year. Employment was afforded to 224 persons, 20 fewer than in 1954, while the payroll at \$566,958 was lower by \$25,308 or 4.3 per cent. The cost of materials used was \$1,137,845 an increase of 3.2 per cent over the earlier year's figure.

Religious candles is the principal commodity manufactured by the industry. In 1955 the shipments

of these were as follows: 7-day lights, 116,507 dozen valued at \$823,378; candles, 857,111 pounds at \$641,022; votive lights all kinds, 2,094,566 dozen at \$594,021. Other main items in order of importance were coloured and fancy candles including wax novelties, 591,345 dozen at \$384,888 and household candles, 895,812 pounds at \$137,009.

The chief material was paraffin of which 1,796,732 pounds refined and 5,335,948 pounds crude were used, costing \$157,074 and \$392,046 respectively. Beeswax was consumed in the amount of 277,012 pounds worth \$177,053. The consumption of stearic acid was 199,089 pounds costing \$30,312.

Imports of paraffin wax candles amounted to 271,697 pounds valued at \$86,986; other candles to 228,413 pounds valued at \$84,696. Exports of candles were 32,262 pounds with a value of \$13,548.

TABLE 1. Principal Statistics, Representative Years, 1928-1955

| Year       | Estab-<br>lish-<br>ments | Em-<br>ployees | Salaries<br>and wages | Cost at plant<br>of fuel and<br>electricity | Cost at plant<br>of materials<br>used | Value<br>added by<br>manufacture | Gross value<br>of<br>production <sup>1</sup> |
|------------|--------------------------|----------------|-----------------------|---|---------------------------------------|----------------------------------|--|
|            | No.                      | No.            | \$                    | \$  | \$                                    | \$                               | \$   |
| 1928 ..... | 11                       | 75             | 67,255                | 5,598                                       | 217,742                               | 237,512                          | 460,852                                      |
| 1933 ..... | 12                       | 109            | 115,035               | 7,428                                       | 154,553                               | 202,856                          | 364,837                                      |
| 1939 ..... | 12                       | 141            | 165,961               | 8,734                                       | 249,638                               | 406,694                          | 665,066                                      |
| 1942 ..... | 12                       | 187            | 225,407               | 13,790                                      | 498,569                               | 520,123                          | 1,032,482                                    |
| 1945 ..... | 12                       | 252            | 326,739               | 21,535                                      | 666,462                               | 829,190                          | 1,517,187                                    |
| 1947 ..... | 12                       | 267            | 419,672               | 25,502                                      | 1,094,938                             | 1,110,564                        | 2,231,004                                    |
| 1949 ..... | 14                       | 278            | 461,873               | 31,063                                      | 828,911                               | 1,260,764                        | 2,120,738                                    |
| 1950 ..... | 13                       | 228            | 427,644               | 26,076                                      | 853,846                               | 1,172,015                        | 2,051,937                                    |
| 1951 ..... | 13                       | 230            | 439,841               | 31,590                                      | 964,541                               | 1,237,162 <sup>2</sup>           | 2,233,293                                    |
| 1952 ..... | 12                       | 210            | 452,141               | 30,159                                      | 909,497                               | 1,290,086 <sup>2</sup>           | 2,229,742                                    |
| 1953 ..... | 14                       | 231            | 508,364               | 34,393                                      | 941,195                               | 1,489,068 <sup>2</sup>           | 2,464,656                                    |
| 1954 ..... | 15                       | 244            | 592,266               | 34,812                                      | 1,102,580                             | 1,575,552                        | 2,700,401                                    |
| 1955 ..... | 15                       | 224            | 566,958               | 37,228                                      | 1,137,845                             | 1,470,731                        | 2,625,924                                    |

1. Commencing with 1952 value of factory shipments has been collected instead of gross value of production.

2. Because of insufficient inventory data in 1952 and 1953, these figures have been calculated from value of factory shipments and are, therefore, only approximations to true "value added by manufacture".

TABLE 2. Factory Shipments, 1954 and 1955

| Products  | Unit<br>of<br>measure | 1954      |                             | 1955      |                             |
|---|-----------------------|-----------|-----------------------------|-----------|-----------------------------|
|   |                       | Quantity  | Selling value<br>at factory | Quantity  | Selling value<br>at factory |
| Candles and cierges:                                |                       |           | \$                          |           | \$                          |
| 1. Household, coloured, fancy, etc.:                |                       |           |                             |           |                             |
| (a) Household candles, paraffin wax .....           | lb.                   | 782,449   | 98,845                      | 895,812   | 137,009                     |
| (b) Coloured and fancy, including wax novelties ..  | doz.                  | 566,574   | 367,026                     | 591,345   | 384,888                     |
| 2. Church, chapel, synagogue, etc.:                 |                       |           |                             |           |                             |
| (a) Beeswax candles and cierges .....               | lb.                   | 457,297   | 480,024                     | 490,897   | 504,586                     |
| (b) Composition candles and cierges .....           | lb.                   | 392,747   | 156,820                     | 366,214   | 136,436                     |
| (c) 7-day lights, bees wax and vegetable oils ..... | doz.                  | 14,655    | 234,028                     | 15,284    | 237,655                     |
| (d) 7-day lights, composition, other .....          | "                     | 109,617   | 628,782                     | 101,223   | 585,723                     |
| (e) Votive lights, all kinds .....                  | "                     | 2,345,309 | 660,057                     | 2,094,566 | 594,021                     |
| 3. Incense .....                                    | lb.                   | 6,545     | 7,401                       | 1,334     | 1,323                       |
| 4. Incensed charcoal .....                          | "                     | 6,073     | 7,820                       | 1         | 1                           |
| 5. All other products .....                         | —                     | —         | 59,598                      | —         | 44,283                      |
| <b>Total value of products .....</b>                | —                     | —         | <b>2,700,401</b>            | —         | <b>2,625,924</b>            |

1. Confidential — Included with "All other products".

## Clocks, Watches and Watch Cases

This industry is comprised of establishments primarily engaged in the manufacture of clocks and watches, including materials and parts for same. It includes establishments whose principal activity is assembling clocks and watches from purchased movements and watchcases of either own or other manufacture. The purchase of complete watches and the attachment of straps or bands thereto is not considered a manufacturing activity.

Clock and watch manufacturers were classified with the jewellery industry until 1947 at which time they were transferred to the scientific and professional equipment industry. In 1951 they were removed from this latter industry and classified separately.

In 1955 reports were received from 35 establishments, the same as in 1954. Twenty of the establishments were located in Quebec, 13 in Ontario and 2 in Manitoba. Shipments of goods in the later year were valued at \$14,299,124 compared with shipments worth \$12,238,697 in the earlier. Employment which stood at 1,106 in 1954 rose to 1,107 in 1955. Salary and wage payments were \$3,501,645 which was an increase of \$129,631 over those of 1954. The materials consumed in manufacture cost \$7,027,734 in 1955 compared with \$6,110,485 in 1954.

Information on production, imports and exports will be found in the Tables which follow.

TABLE 1. Principal Statistics, 1951-1955

| Year and province         | Estab-<br>lish-<br>ments | Em-<br>ployees | Salaries<br>and wages | Cost at<br>plant of<br>fuel and<br>electricity | Cost at<br>plant of<br>materials<br>used | Value<br>added by<br>manufacture | Gross<br>value of<br>production <sup>1</sup> |
|---------------------------|--------------------------|----------------|-----------------------|--|--|----------------------------------|--|
|                           | No.                      | No.            | \$                    | \$   | \$                                       | \$                               | \$   |
| 1951.....                 | 29                       | 1,185          | 2,991,396             | 35,174   | 5,777,790                                | 4,778,441                        | 10,591,405                                   |
| 1952.....                 | 31                       | 1,032          | 2,853,417             | 33,103   | 5,162,619                                | 5,839,870 <sup>2</sup>           | 11,035,592                                   |
| 1953.....                 | 34                       | 1,190          | 3,498,817             | 38,180   | 7,103,175                                | 5,528,274 <sup>2</sup>           | 12,069,629                                   |
| 1954                      |                          |                |                       |  |  |                                  |  |
| Canada.....               | 35                       | 1,106          | 3,372,014             | 50,446   | 6,110,485                                | 6,133,062                        | 12,238,697                                   |
| Quebec.....               | 19                       | 191            | 560,509               | 10,744   | 1,484,025                                | 1,037,267                        | 2,475,686                                    |
| Ontario and Manitoba..... | 16                       | 915            | 2,811,505             | 39,702   | 4,626,460                                | 5,095,795                        | 9,763,011                                    |
| 1955                      |                          |                |                       |  |  |                                  |  |
| Canada.....               | 35                       | 1,107          | 3,501,645             | 52,343   | 7,027,734                                | 6,945,639                        | 14,299,124                                   |
| Quebec.....               | 20                       | 171            | 516,726               | 11,743   | 1,611,954                                | 960,455                          | 2,679,161                                    |
| Ontario and Manitoba..... | 15                       | 936            | 2,984,919             | 40,600   | 5,415,780                                | 5,985,184                        | 11,619,963                                   |

1. Commencing with 1952 value of factory shipments has been collected instead of gross value of production.

2. Because of insufficient inventory data in 1952 and 1953, these figures have been calculated from value of factory shipments and are therefore, only approximations to true "value added by manufacture".

TABLE 2. Factory Shipments, 1954 and 1955

| Products   | 1954     |                             | 1955     |                             |
|--|----------|-----------------------------|----------|-----------------------------|
|  | Quantity | Selling value<br>at factory | Quantity | Selling value<br>at factory |
|  | No.      | \$                          | No.      | \$                          |
| Clocks, electric, kitchen.....                   | 258,964  | 1,106,370                   | 210,706  | 751,584                     |
| Clocks, electric, alarm and other.....           |          |                             | 133,900  | 727,447                     |
| Clocks, not electric, mantel and wall types..... | 18,106   | 94,383                      | 10,597   | 49,369                      |
| Clocks, not electric, other types.....           | 709,327  | 1,910,916                   | 690,022  | 1,713,927                   |
| Watches, wrist.....                              | 434,052  | 6,540,979                   | 501,258  | 7,920,683                   |
| Watches, other.....                              | 448,526  | 997,038                     | 536,934  | 1,111,351                   |
| Watch cases.....                                 | 206,564  | 501,333                     | 210,465  | 606,172                     |
| Bracelets.....                                   | 165,659  | 247,679                     | 163,139  | 212,960                     |
| All other products.....                          | —        | 839,999                     | —        | 1,205,631                   |
| Total.....                                       | —        | 12,238,697                  | —        | 14,299,124                  |

TABLE 3. Imports of Clocks and Watches, and Parts

| Articles Imported   | 1954     |             | 1955     |             |
|---|----------|-------------|----------|-------------|
|   | Quantity | Value       | Quantity | Value       |
|   | No.      | \$          | No.      | \$          |
| Clocks and watches:   |          |             |          |             |
| Clocks .....  | 533, 632 | 1, 663, 536 | 588, 955 | 1, 830, 904 |
| Clock movements, clock cases and clockwork mechanisms   | —        | 114, 379    | —        | 168, 144    |
| Parts of clock movements or of clockwork mechanisms, finished or unfinished, not including plates ..... | —        | 394, 140    | —        | 502, 319    |
| Springs of iron and steel, for use exclusively in the manufacture of clocks .....                       | —        | 5, 861      | —        | 4, 549      |
| Time recorders .....  | —        | 261, 385    | —        | 246, 243    |
| Watches .....   | —        | 1, 818, 782 | —        | 1, 611, 783 |
| Watch cases and parts thereof, finished or unfinished .....   | —        | 1, 318, 316 | —        | 1, 342, 312 |
| Watch actions and movements, finished or unfinished .....   | —        | 4, 421, 805 | —        | 4, 399, 188 |
| Parts of watch movements, finished or unfinished .....  | —        | 662, 884    | —        | 742, 856    |

TABLE 4. Exports of Clocks and Watches, and Parts

| Articles exported       | 1954     |          | 1955     |          |
|-------------------------|----------|----------|----------|----------|
|                         | Quantity | Value    | Quantity | Value    |
|                         | No.      | \$       | No.      | \$       |
| Clocks and parts .....  | 64, 663  | 303, 478 | 30, 285  | 141, 671 |
| Watches and parts ..... | 199, 740 | 529, 127 | 219, 044 | 550, 974 |

### The Fountain Pens and Pencils Industry

This industry has grown from one comprised of three establishments with a million dollar output in 1926 to one of 17 establishments producing over eleven million dollars worth of goods in 1955. The greater part of this increase occurred during the war and immediate post-war years. A substantial portion of it was effected through increased exports, the peak year for exports being 1947 during which fountain pens, pencils and parts approximating four million dollars in value were exported.

In 1955 reports were received from 17 establishments located as follows: British Columbia 1, Ontario 9 and Quebec 7. These establishments shipped goods with a selling value at factory of \$11,458,847, gave employment to 1,040 persons who

were paid \$2,713,923 in salaries and wages, and consumed materials costing \$5,164,258.

Shipments of fountain pens, the industry's leading commodity, amounted to 191,977 dozen valued at \$2,994,612. Ordinary lead and other non-mechanical pencils which were shipped to the extent of 598,870 gross worth \$2,738,851 ranked next in importance followed by ball point pens (including liquid lead pencils) amounting to 946,728 dozen valued at \$2,452,264.

Detailed information concerning production, imports and exports appears in Tables 2, 3, and 4 which follow.

TABLE 1. Principal Statistics, Representative Years, 1926-1955

| Year and province                 | Estab-<br>lish-<br>ments | Em-<br>ployees | Salaries<br>and wages | Cost at<br>plant of<br>fuel and<br>electricity | Cost at<br>plant of<br>materials<br>used | Value<br>added by<br>manufacture | Gross<br>value of<br>production <sup>1</sup> |
|-----------------------------------|--------------------------|----------------|-----------------------|--|--|----------------------------------|--|
|                                   | No.                      | No.            | \$                    | \$   | \$                                       | \$                               | \$   |
| 1926 .....                        | 3                        | 185            | 211,885               | 4,778  | 373,255                                  | 705,404                          | 1,083,437                                    |
| 1929 .....                        | 6                        | 364            | 433,174               | 5,635  | 954,917                                  | 1,889,332                        | 2,849,884                                    |
| 1933 .....                        | 10                       | 334            | 364,265               | 16,155   | 633,843                                  | 801,982                          | 1,451,980                                    |
| 1937 .....                        | 9                        | 545            | 566,478               | 17,277   | 950,914                                  | 1,245,869                        | 2,214,060                                    |
| 1939 .....                        | 9                        | 591            | 629,831               | 18,289   | 909,776                                  | 1,214,442                        | 2,142,507                                    |
| 1941 .....                        | 10                       | 686            | 777,782               | 24,382   | 1,231,840                                | 1,857,674                        | 3,113,896                                    |
| 1945 .....                        | 10                       | 1,315          | 1,892,220             | 31,242   | 2,627,912                                | 4,253,146                        | 6,912,300                                    |
| 1946 .....                        | 10                       | 1,462          | 1,963,245             | 36,836   | 4,223,043                                | 5,696,637                        | 9,956,516                                    |
| 1947 .....                        | 10                       | 1,426          | 2,326,043             | 39,034   | 3,522,684                                | 5,344,271                        | 8,905,989                                    |
| 1948 .....                        | 12                       | 1,248          | 2,148,127             | 45,149   | 2,682,930                                | 3,695,583                        | 6,423,662                                    |
| 1949 .....                        | 15                       | 1,221          | 2,328,167             | 43,221   | 2,972,524                                | 6,657,965                        | 9,673,710                                    |
| 1950 .....                        | 18                       | 1,133          | 2,421,360             | 51,220   | 3,435,080                                | 5,385,851                        | 8,872,151                                    |
| 1951 .....                        | 20                       | 1,122          | 2,669,218             | 59,009   | 4,239,976                                | 5,515,281                        | 9,814,266                                    |
| 1952 .....                        | 20                       | 1,080          | 2,670,986             | 60,585   | 3,755,188                                | 5,657,987 <sup>2</sup>           | 9,473,760                                    |
| 1953 .....                        | 17                       | 1,169          | 2,903,588             | 66,904   | 4,115,356                                | 6,514,328 <sup>2</sup>           | 10,636,588                                   |
| <b>1954</b>                       |                          |                |                       |  |  |                                  |  |
| <b>Canada</b> .....               | <b>17</b>                | <b>1,066</b>   | <b>3,039,155</b>      | <b>75,913</b>                                  | <b>4,219,594</b>                         | <b>6,584,899</b>                 | <b>10,702,089</b>                            |
| Quebec and British Columbia ..... | 8                        | 397            | 855,649               | 20,524   | 1,901,394                                | 2,332,143                        | 4,223,651                                    |
| Ontario .....                     | 9                        | 669            | 2,183,506             | 55,389   | 2,318,200                                | 4,252,756                        | 6,478,438                                    |
| <b>1955</b>                       |                          |                |                       |  |  |                                  |  |
| <b>Canada</b> .....               | <b>17</b>                | <b>1,040</b>   | <b>2,713,923</b>      | <b>78,496</b>                                  | <b>5,164,258</b>                         | <b>6,053,119</b>                 | <b>11,458,847</b>                            |
| Quebec and British Columbia ..... | 8                        | 430            | 982,537               | 20,951   | 2,385,099                                | 2,423,054                        | 4,826,201                                    |
| Ontario .....                     | 9                        | 610            | 1,731,386             | 57,545   | 2,779,159                                | 3,630,065                        | 6,632,646                                    |

1. Commencing with 1952 value of factory shipments has been collected instead of gross value of production.

2. Because of insufficient inventory data in 1952 and 1953, these figures have been calculated from value of factory shipments and are, therefore, only approximations to true "value added by manufacture".

TABLE 2. Factory Shipments, 1954 and 1955

| Products  | Unit<br>of<br>measure | 1954     |                             | 1955     |                             |
|---|-----------------------|----------|-----------------------------|----------|-----------------------------|
|   |                       | Quantity | Selling value<br>at factory | Quantity | Selling value<br>at factory |
|   |                       |          | \$                          |          | \$                          |
| Fountain pens .....                                   | doz.                  | 149,397  | 3,294,804                   | 191,977  | 2,994,612                   |
| Fountain pen nibs, holders and other parts .....      | —                     | —        | 193,860                     | —        | 188,955                     |
| Ball point pens (including liquid lead pencils) ..... | doz.                  | 672,338  | 1,934,350                   | 946,728  | 2,452,264                   |
| Replacement cartridges for ball point pens .....      | "                     | 391,375  | 568,980                     | 871,796  | 698,871                     |
| Non-mechanical pencils, black lead .....              | gross                 | 445,129  | 1,764,097                   | 465,108  | 1,928,683                   |
| Non-mechanical pencils, other .....                   | "                     | 120,759  | 714,741                     | 133,762  | 810,168                     |
| Pencils, mechanical .....                             | doz.                  | 93,694   | 602,877                     | 115,685  | 556,149                     |
| Leads for pencils .....                               | —                     | —        | 128,365                     | —        | 125,618                     |
| Desk sets .....                                       | —                     | —        | 104,588                     | —        | 178,790                     |
| Other stationery supplies .....                       | —                     | —        | 841,368                     | —        | 1,014,424                   |
| All other products .....                              | —                     | —        | 499,201                     | —        | 435,667                     |
| Amount received for repairs .....                     | —                     | —        | 54,858                      | —        | 74,646                      |
| <b>Total value of products</b> .....                  | —                     | —        | <b>10,702,089</b>           | —        | <b>11,458,847</b>           |

TABLE 3. Imports of Pens, Pencils and Parts, 1954 and 1955

| Articles Imported   | Unit<br>of<br>measure | 1954     |         | 1955     |         |
|---|-----------------------|----------|---------|----------|---------|
|   |                       | Quantity | Value   | Quantity | Value   |
|   |                       |          | \$      |          | \$      |
| Fountain pens .....                                       | —                     | —        | 936,863 | —        | 200,378 |
| Pencils, lead, non-propelling, with stationary lead ..... | gross                 | 47,770   | 129,763 | 40,905   | 95,049  |
| Pencils, lead, n.o.p. ....                                | —                     | —        | 238,985 | —        | 242,742 |
| Pens, n.o.p., penholders and rules of all kinds .....     | —                     | —        | 471,748 | —        | 207,121 |

TABLE 4. Exports of Pens, Pencils and Parts, 1954 and 1955

| Articles Exported                                 | 1954     |           | 1955     |         |
|---|----------|-----------|----------|---------|
|   | Quantity | Value     | Quantity | Value   |
|   |          | \$        |          | \$      |
| Fountain pens including pen and pencil sets ..... | —        | 1,082,295 | —        | 742,915 |
| Mechanical and propelling pencils .....           | —        | 25,785    | —        | 20,718  |
| Pens and pencils and parts, n.o.p. ....           | —        | 273,189   | —        | 342,692 |

## The Hair Goods Industry

This industry consists of firms engaged in the processing of hair. In 1955 it was comprised of 13 establishments located as follows: Quebec 4, Ontario 6, Manitoba 1 and British Columbia 2. These establishments reported shipments having a value of \$1,384,282, gave employment to 102 persons who received \$297,776 in salaries and wages, and consumed materials costing \$873,382. Comparable data for 1954 was 15 establishments, shipments valued at \$1,307,095, 101 employees,

\$273,157 in salaries and wages, and \$881,915 for materials.

The processing of animal hair in 1955 amounted to 315,522 pounds valued at \$787,768. Included in the shipments of goods in 1955 was \$70,593 worth of wigs, toupees and switches compared with \$76,479 worth in 1954. The balance of the value of shipments was accounted for by the amounts received for all other products and for repairs.

## Manufactured Ice

Establishments whose principal activity is the manufacture of ice for sale are classified to this industry. Several of these establishments derive some of their revenue from cold storage but firms whose main concern is the manufacture of ice for their own refrigeration systems are excluded. The harvesting and storage of natural ice is not considered a manufacturing operation and establishments so engaged are also excluded.

In 1955 the industry was comprised of 66 establishments located as follows: Nova Scotia 2, New

Brunswick 2, Quebec 10, Ontario 36, Manitoba 1, Saskatchewan 1, Alberta 2, and British Columbia 12. The value of factory shipments for the year amounted to \$3,908,327. Employment was given to 550 persons who were paid \$1,525,372 in salaries and wages. Materials costing \$183,129 were consumed in production.

The industry shipped 633,526 tons of artificial ice in 1955 which compares with 750,816 tons shipped in the previous year. Trade in this commodity was on a limited scale only, exports amounting to \$90,700 and imports to \$24,599.

TABLE 1. Principal Statistics, Representative Years, 1927 to 1955

| Year and Province | Estab-<br>lish-<br>ments | Em-<br>ployees | Salaries<br>and wages | Cost at<br>plant of<br>fuel and<br>electricity | Cost at<br>plant of<br>materials<br>used | Value<br>added by<br>manufacture | Gross<br>value of<br>production <sup>1</sup> |
|-------------------|--------------------------|----------------|-----------------------|--|--|----------------------------------|--|
|                   | No.                      | No.            | \$                    | \$   | \$                                       | \$                               | \$   |
| 1927 .....        | 28                       | 279            | 402,292               | 145,570  | 60,682                                   | 1,066,716                        | 1,272,968                                    |
| 1929 .....        | 31                       | 303            | 408,581               | 158,197  | 76,919                                   | 1,247,662                        | 1,482,778                                    |
| 1931 .....        | 43                       | 394            | 539,316               | 191,607  | 78,334                                   | 1,703,365                        | 1,973,306                                    |
| 1933 .....        | 43                       | 358            | 421,567               | 169,967  | 51,325                                   | 1,281,948                        | 1,503,240                                    |
| 1937 .....        | 50                       | 629            | 644,763               | 179,592  | 76,923                                   | 1,522,794                        | 1,779,309                                    |
| 1939 .....        | 49                       | 643            | 704,951               | 196,530  | 74,341                                   | 1,622,292                        | 1,893,163                                    |
| 1941 .....        | 51                       | 626            | 743,548               | 228,160  | 99,404                                   | 1,907,560                        | 2,235,124                                    |
| 1945 .....        | 56                       | 871            | 1,335,515             | 305,519  | 125,792                                  | 3,190,353                        | 3,621,664                                    |
| 1947 .....        | 60                       | 803            | 1,461,664             | 350,669  | 169,545                                  | 4,213,749                        | 4,733,963                                    |
| 1949 .....        | 69                       | 894            | 1,810,364             | 512,474  | 173,687                                  | 5,116,274                        | 5,802,435                                    |
| 1950 .....        | 65                       | 794            | 1,764,456             | 520,718  | 157,450                                  | 3,690,541                        | 4,368,709                                    |
| 1951 .....        | 77                       | 1,174          | 2,890,750             | 616,293  | 159,765                                  | 5,231,305                        | 6,007,363                                    |
| 1952 .....        | 78                       | 1,215          | 3,220,933             | 653,822  | 174,380                                  | 6,069,598 <sup>2</sup>           | 6,897,800                                    |
| 1953 .....        | 77                       | 931            | 2,614,595             | 657,087  | 160,407                                  | 4,986,284 <sup>2</sup>           | 5,803,778                                    |

TABLE 1. Principal Statistics, Representative Years, 1927 to 1955 - Concluded

| Year and Province                   | Estab-<br>lish-<br>ments | Em-<br>ployees | Salaries<br>and wages | Cost at<br>plant of<br>fuel and<br>electricity | Cost at<br>plant of<br>materials<br>used | Value<br>added by<br>manufacture | Gross<br>value of<br>production <sup>1</sup> |
|-------------------------------------|--------------------------|----------------|-----------------------|--|--|----------------------------------|--|
|                                     | No.                      | No.            | \$                    | \$   | \$                                       | \$                               | \$   |
| <b>1954</b>                         |                          |                |                       |  |  |                                  |  |
| <b>Canada</b> .....                 | <b>69</b>                | <b>673</b>     | <b>1,897,668</b>      | <b>576,461</b>                                 | <b>129,443</b>                           | <b>3,801,310</b>                 | <b>4,513,431</b>                             |
| Nova Scotia and New Brunswick ..... | 4                        | 42             | 117,624               | 77,398   | 6,089                                    | 329,005                          | 412,402                                      |
| Quebec .....                        | 11                       | 74             | 224,899               | 95,806   | 26,218                                   | 619,183                          | 741,162                                      |
| Ontario .....                       | 39                       | 411            | 1,138,753             | 283,044  | 67,389                                   | 2,003,032                        | 2,363,444                                    |
| Prairie Provinces .....             | 4                        | 36             | 103,155               | 44,969   | 10,371                                   | 334,686                          | 387,521                                      |
| British Columbia .....              | 11                       | 110            | 313,237               | 75,244   | 19,376                                   | 515,404                          | 608,902                                      |
| <b>1955</b>                         |                          |                |                       |  |  |                                  |  |
| <b>Canada</b> .....                 | <b>66</b>                | <b>550</b>     | <b>1,525,372</b>      | <b>524,673</b>                                 | <b>183,129</b>                           | <b>3,194,479</b>                 | <b>3,908,327</b>                             |
| Nova Scotia and New Brunswick ..... | 4                        | 42             | 123,288               | 82,548   | 7,129                                    | 281,439                          | 371,468                                      |
| Quebec .....                        | 10                       | 87             | 258,140               | 81,358   | 77,230                                   | 560,180                          | 709,867                                      |
| Ontario .....                       | 36                       | 315            | 839,753               | 231,574  | 65,055                                   | 1,664,906                        | 1,968,959                                    |
| Prairie Provinces .....             | 4                        | 38             | 98,482                | 45,000   | 10,532                                   | 377,403                          | 432,544                                      |
| British Columbia .....              | 12                       | 68             | 205,709               | 84,193   | 23,183                                   | 310,551                          | 425,489                                      |

1. Commencing with 1952 value of factory shipments has been collected instead of gross value of production.

2. Because of insufficient inventory data in 1952 and 1953 these figures have been calculated from value of factory shipments and are, therefore, only approximations to true "value added by manufacture".

#### Electric Lamps and Lamp Shades

The manufacturers of electric lamps and lamp shades were classified to a separate industry for the first time in 1939. Prior to then the majority of them were to be found in the statuary and art goods industry with the remaining few in several other industries.

The industry has experienced substantial growth since 1939 as evidenced by the fact that gross value of production in that year was \$1,018,254 as compared with factory shipments of \$9,850,158 in 1955. In the earlier year the industry manufactured 167,159 electric lamps of all kinds as against 1,037,246 in the latter year. Lamp shade

production for the same two years amounted to 411,216 and 1,569,671.

In 1955 reports were received from 65 establishments of which 33 were in Quebec, 25 in Ontario, 2 in Manitoba and 5 in British Columbia. Factory shipments made by these establishments were valued at \$9,850,158 compared with \$9,375,933 in 1954. Employment rose to 1,283 persons from the previous year's figure of 1,279 and salaries and wages increased from \$2,630,614 to \$2,789,422 over the two years. Cost of materials consumed was \$4,817,295 which compares with \$4,486,425 in 1954.

Table 2 which follows contains detailed information of the industry's products for 1954 and 1955.

TABLE 1. Principal Statistics, Representative Years, 1939 to 1955

| Year and province | Estab-<br>lish-<br>ments | Em-<br>ployees | Salaries<br>and wages | Cost at<br>plant of<br>fuel and<br>electricity | Cost at<br>plant of<br>materials<br>used | Value<br>added by<br>manufacture | Gross<br>value of<br>production <sup>1</sup> |
|-------------------|--------------------------|----------------|-----------------------|--|--|----------------------------------|--|
|                   | No.                      | No.            | \$                    | \$   | \$                                       | \$                               | \$   |
| 1939 .....        | 25                       | 368            | 328,365               | 8,926  | 486,434                                  | 522,894                          | 1,018,254                                    |
| 1941 .....        | 25                       | 540            | 535,490               | 12,666   | 755,948                                  | 772,070                          | 1,540,684                                    |
| 1942 .....        | 28                       | 578            | 649,062               | 16,018   | 837,579                                  | 1,053,341                        | 1,906,938                                    |
| 1943 .....        | 24                       | 478            | 553,044               | 13,971   | 611,338                                  | 762,697                          | 1,388,006                                    |
| 1945 .....        | 28                       | 651            | 768,117               | 20,729   | 1,115,817                                | 1,355,273                        | 2,491,819                                    |
| 1946 .....        | 35                       | 914            | 1,137,804             | 26,467   | 2,129,128                                | 2,137,497                        | 4,293,092                                    |
| 1947 .....        | 42                       | 845            | 1,148,954             | 34,789   | 1,770,414                                | 1,828,889                        | 3,634,092                                    |
| 1948 .....        | 44                       | 905            | 1,358,103             | 35,934   | 2,048,504                                | 2,530,630                        | 4,615,068                                    |
| 1949 .....        | 45                       | 1,078          | 1,828,258             | 43,976   | 2,761,502                                | 3,187,711                        | 5,993,189                                    |
| 1950 .....        | 49                       | 1,159          | 2,131,637             | 63,292   | 3,443,998                                | 3,551,928                        | 7,059,218                                    |
| 1951 .....        | 55                       | 1,164          | 2,167,450             | 80,415   | 3,624,308                                | 3,690,651                        | 7,395,374                                    |
| 1952 .....        | 59                       | 1,245          | 2,426,725             | 83,434   | 4,516,335                                | 4,514,199 <sup>2</sup>           | 9,113,968                                    |
| 1953 .....        | 57                       | 1,288          | 2,662,792             | 88,568   | 4,651,902                                | 4,606,284 <sup>2</sup>           | 9,346,754                                    |

TABLE 1. Principal Statistics, Representative Years, 1939 to 1955 - Concluded

| Year and province                   | Estab-<br>lish-<br>ments | Em-<br>ployees | Salaries<br>and wages | Cost at<br>plant of<br>fuel and<br>electricity | Cost at<br>plant of<br>materials<br>used | Value<br>added by<br>manufacture | Gross<br>value of<br>production <sup>1</sup> |
|-------------------------------------|--------------------------|----------------|-----------------------|--|--|----------------------------------|--|
|                                     | No.                      | No.            | \$                    | \$   | \$                                       | \$                               | \$   |
| 1954                                |                          |                |                       |  |  |                                  |  |
| Canada .....                        | 66                       | 1,279          | 2,630,614             | 95,894   | 4,486,425                                | 4,822,256                        | 9,375,993                                    |
| Quebec .....                        | 32                       | 570            | 1,078,536             | 28,333   | 2,123,756                                | 2,141,597                        | 4,254,491                                    |
| Ontario .....                       | 28                       | 650            | 1,395,739             | 63,527   | 2,179,508                                | 2,493,882                        | 4,752,684                                    |
| Manitoba and British Columbia ..... | 6                        | 59             | 156,339               | 4,034  | 183,161                                  | 186,777                          | 368,818                                      |
| 1955                                |                          |                |                       |  |  |                                  |  |
| Canada .....                        | 65                       | 1,283          | 2,789,422             | 109,991  | 4,817,295                                | 4,980,403                        | 9,850,158                                    |
| Quebec .....                        | 33                       | 641            | 1,249,596             | 44,363   | 2,618,986                                | 2,270,627                        | 4,930,491                                    |
| Ontario .....                       | 25                       | 577            | 1,356,896             | 56,527   | 1,958,744                                | 2,482,107                        | 4,430,910                                    |
| Manitoba and British Columbia ..... | 7                        | 65             | 182,930               | 9,101  | 239,565                                  | 227,669                          | 488,757                                      |

1. Commencing with 1952 value of factory shipments has been collected instead of gross value of production.

2. Because of insufficient inventory data in 1952 and 1953 these figures have been calculated from value of factory shipments and are, therefore, only approximations to true, "value added by manufacture".

TABLE 2. Factory Shipments, 1954 and 1955

| Products  | 1954      |                             | 1955     |                             |
|---|-----------|-----------------------------|----------|-----------------------------|
|   | Quantity  | Selling value<br>at factory | Quantity | Selling value<br>at factory |
|   | No.       | \$                          | No.      | \$                          |
| Lamps, electric:                                  |           |                             |          |                             |
| Floor .....                                       | 209,247   | 2,241,454                   | 183,458  | 2,145,036                   |
| Table .....                                       | 651,210   | 3,045,360                   | 619,681  | 3,539,713                   |
| Other .....                                       | 127,408   | 455,171                     | 234,107  | 630,406                     |
| Lamp shades:                                      |           |                             |          |                             |
| Silk .....  | 194,058   | 447,669                     | 166,644  | 356,890                     |
| Parchment .....                                   | 368,498   | 432,443                     | 404,853  | 524,001                     |
| Plastic and fibreglass .....                      | 1,120,784 | 1,161,707                   | 978,232  | 1,270,073                   |
| Other .....                                       | 4,792     | 15,027                      | 19,942   | 56,500                      |
| Lamp and shade parts .....                        | —         | 42,240                      | —        | 54,054                      |
| Smoking sets .....                                | 103,954   | 558,191                     | 123,662  | 477,299                     |
| Novelties, all kinds .....                        | —         | 134,633                     | —        | 217,814                     |
| All other products .....                          | —         | 809,630                     | —        | 535,132                     |
| Amount received for custom work and repairs ..... | —         | 32,468                      | —        | 43,240                      |
| <b>Total .....</b>                                | <b>—</b>  | <b>9,375,993</b>            | <b>—</b> | <b>9,850,158</b>            |

#### Models and Patterns (Except Paper)

The Standard Industrial Classification which was adopted in 1949 classified to the group "Miscellaneous Manufactures" establishments whose principal products were models and patterns other than paper. These establishments, which under the former scheme of classification were found for the most part in the miscellaneous wood products industry, were transferred to "Miscellaneous Manufactures" in 1950 where they were formed into an industry entitled "Models and Patterns (Except Paper)".

The industry in 1955 consisted of 70 establishments distributed provincially as follows: Nova Scotia 1, Quebec 16, Ontario 46, Manitoba 1 and

British Columbia 6. These establishments reported factory shipments worth \$2,842,375. The payroll consisted of 387 employees who received \$1,473,898. Materials and supplies costing \$475,261 were consumed in manufacture. Comparable data for 1954 were 66 establishments, 353 employees, \$1,220,814 for salaries and wages, \$1,937,044 for value of factory shipments, and material cost \$339,585.

Patterns and models which account for most of the industry's output were reported to the extent of \$1,831,312 and \$2,305,634 in 1954 and 1955, respectively. Molds were reported to the value of \$299,576 in 1955. Sundry items account for the balances in the two years.

## Pipes, Lighters and Other Smokers' Supplies

Prior to 1947 this industry was comprised of establishments manufacturing tobacco pipes as principal product. It was quite a small industry then with never more than 6 establishments and an annual value of production ranging from \$17,000 to \$162,000. In 1947 the industry was expanded to embrace flints, lighters and other smokers' supplies with a consequent increase in establishments to 13 and of output to approximately \$3,000,000.

In 1955 factory shipments by the industry were valued at \$2,443,097, an increase over the \$2,058,944 reported in 1954. Employment fell from 234 to 175 over the two years while there was a drop in salary and wage payments from \$617,085 to

\$472,493. The cost of materials and supplies amounted to \$1,165,152 in 1955 compared to \$885,937 in 1954. There were 13 establishments in 1955, one more than in the previous year.

Details of the products shipped by the industry must be suppressed in order to avoid disclosure of figures of individual establishments. However, it is possible to publish figures as assembled from all industries for most of the main commodities produced in the pipes, lighters and other smokers' supplies industry. These, for 1955 are as follows: 6,540 dozen pipes valued at \$59,042; cigarette lighters, 576,532 at \$1,099,998; flints for lighters, \$299,701; fluid for lighters, \$632,093.

## The Plastics Products Industry

Until 1946 establishments manufacturing primary plastics or plastics products were included with the miscellaneous chemical products industry. In 1946 these establishments were removed from this industry and formed into an industry entitled the plastics industry. The following year, 1947, the plastics industry was split into two industries, the first known as the primary plastics industry to which were classified establishments primarily engaged in manufacturing plastic materials in the form of sheets, rods, tubes, granules or liquid for use in further manufacture and the second called the plastics products industry, comprising establishments primarily engaged in moulding plastics for the trade and in manufacturing finished plastics products, not elsewhere classified.

It is important to note that the plastics products industry includes only those fabricators which manufacture from plastics the kinds of products not found elsewhere in the classification scheme. For example, women's aprons (including those of plastics materials) are classified to the women's factory clothing industry and establishments producing women's plastic aprons as a principal product would

be included with this industry. Similarly, manufacturers of plastic toys would be classified to the toy industry, of plastic handbags to the miscellaneous leather industry where the commodity handbags is to be found, etc. Some production of these commodities will, of course, be found in the plastics products industry where they are produced as secondary or minor products by the establishments assigned to the industry on the basis of their more important items of manufacture.

In 1955 the industry was comprised of 170 establishments distributed provincially as follows: Nova Scotia 1, New Brunswick 2, Quebec 51, Ontario 97, Manitoba 4, Alberta 4 and British Columbia 11. These establishments shipped goods with a value f.o.b. plant of \$48,732,590. The payroll listed 4,379 persons who received \$11,333,120 in salaries and wages. Materials having a cost of \$24,247,328 were used in manufacture.

The commodities shipped by the industry in 1955 are detailed in Table 2. Materials used data is to be found in Table 3.

TABLE 1. Principal Statistics, 1947 to 1955

| Year and province | Estab-<br>lish-<br>ments | Em-<br>ployees | Salaries<br>and<br>wages | Cost at<br>plant of<br>fuel and<br>electricity | Cost at<br>plant of<br>materials<br>used | Value<br>added by<br>manufacture | Gross<br>value of<br>production <sup>1</sup> |
|-------------------|--------------------------|----------------|--------------------------|--|--|----------------------------------|--|
|                   | No.                      | No.            | \$                       | \$   | \$                                       | \$                               | \$   |
| 1947 .....        | 81                       | 2,503          | 3,910,567                | 162,906  | 5,869,959                                | 6,683,145                        | 12,716,010                                   |
| 1948 .....        | 79                       | 2,591          | 4,122,692                | 175,466  | 5,604,354                                | 8,717,086                        | 14,496,906                                   |
| 1949 .....        | 90                       | 2,901          | 5,178,760                | 220,803  | 8,091,506                                | 8,833,277                        | 17,145,586                                   |
| 1950 .....        | 98                       | 3,195          | 6,051,615                | 265,073  | 10,948,140                               | 11,828,581                       | 23,041,794                                   |
| 1951 .....        | 127                      | 3,626          | 8,026,787                | 343,244  | 15,490,305                               | 15,946,997                       | 31,780,546                                   |
| 1952 .....        | 143                      | 3,700          | 8,536,568                | 382,175  | 15,773,365                               | 17,429,571 <sup>2</sup>          | 33,585,111                                   |
| 1953 .....        | 152                      | 4,067          | 10,138,910               | 425,819  | 18,725,905                               | 18,858,821 <sup>2</sup>          | 39,010,545                                   |

TABLE 1. Principal Statistics, 1947 to 1955 - Concluded

| Year and province      | Estab-<br>lish-<br>ments | Em-<br>ployees | Salaries<br>and<br>wages | Cost at<br>plant of<br>fuel and<br>electricity | Cost at<br>plant of<br>materials<br>used | Value<br>added by<br>manufacture | Gross<br>value of<br>production <sup>1</sup> |
|------------------------|--------------------------|----------------|--------------------------|--|--|----------------------------------|--|
|                        | No.                      | No.            | \$                       | \$   | \$                                       | \$                               | \$   |
| 1954                   |                          |                |                          |  |  |                                  |  |
| Canada .....           | 154                      | 3,920          | 9,989,841                | 504,209  | 18,526,126                               | 18,601,356                       | 37,480,878                                   |
| Quebec .....           | 41                       | 1,022          | 2,762,706                | 160,878  | 6,031,063                                | 5,836,207                        | 12,017,547                                   |
| Ontario .....          | 87                       | 2,665          | 6,827,195                | 328,275  | 10,990,793                               | 11,951,175                       | 23,156,620                                   |
| British Columbia ..... | 12                       | 60             | 129,803                  | 5,370  | 253,597                                  | 228,161                          | 476,016                                      |
| Other Provinces .....  | 14                       | 173            | 270,137                  | 9,686  | 1,250,673                                | 585,813                          | 1,830,695                                    |
| 1955                   |                          |                |                          |  |  |                                  |  |
| Canada .....           | 170                      | 4,379          | 11,333,120               | 564,350  | 24,247,328                               | 24,459,307                       | 48,732,590                                   |
| Quebec .....           | 51                       | 1,261          | 3,325,572                | 191,428  | 8,308,476                                | 7,769,354                        | 16,018,157                                   |
| Ontario .....          | 97                       | 2,867          | 7,532,948                | 355,932  | 13,971,690                               | 15,753,239                       | 29,824,311                                   |
| British Columbia ..... | 11                       | 59             | 131,997                  | 6,849  | 300,768                                  | 234,808                          | 527,084                                      |
| Other Provinces .....  | 11                       | 192            | 342,603                  | 10,141   | 1,666,394                                | 701,906                          | 2,363,038                                    |

1. Commencing with 1952 value of factory shipments has been collected instead of gross value of production.

2. Because of insufficient inventory data in 1953, these figures have been calculated from value of factory shipments and are, therefore, only approximations to true "value added by manufacture".

TABLE 2. Factory Shipments, 1954 and 1955

| Products   | 1954                        | 1955                        |
|--|-----------------------------|-----------------------------|
|  | Selling value<br>at factory | Selling value<br>at factory |
|  | \$                          | \$                          |
| Household equipment and accessories:                                   |                             |                             |
| Dresserware .....  | 56,475                      | 1                           |
| Kitchenware .....  | 1,678,836                   | 1,529,747                   |
| Tableware .....  | 1,219,310                   | 1,257,779                   |
| Trays .....  | 185,920                     | 265,078                     |
| Bags, garment, laundry, etc. ....                                      | 324,403                     | 381,312                     |
| Covers, food and other .....   | 452,618                     | 634,732                     |
| Curtains and drapes .....  | 327,242                     | 450,242                     |
| Handles and knobs, for kitchenware and other household equipment ..... | 329,818                     | 933,599                     |
| Hangers, garment .....   | 93,825                      | 109,143                     |
| Table cloths and covers .....  | 284,877                     | 347,749                     |
| Other .....  | 389,735                     | 1,448,681                   |
| Clothing and personal equipment:                                       |                             |                             |
| Aprons .....   | 6,854                       | 46,380                      |
| Baby pants .....   | 502,596                     | 453,948                     |
| Bibs .....   | 44,640                      | 42,414                      |
| Headwear .....   | 78,459                      | 14,112                      |
| Bags, knitting, hand, etc. ....  | 136,722                     | 135,809                     |
| Bags, diaper, cosmetics, etc. ....                                     | 49,271                      | 52,488                      |
| Brushes and brush parts .....  | 39,547                      | 68,002                      |
| Buttons .....  | 19,788                      | 24,707                      |
| Combs .....  | 1,022,795                   | 985,272                     |
| Other clothing and personal equipment, not specified .....             | 1,164,550                   | 1,814,489                   |

TABLE 2. Factory Shipments, 1954 and 1955 - Concluded

| Products  | 1954                        | 1955                        |
|---|-----------------------------|-----------------------------|
|   | Selling value<br>at factory | Selling value<br>at factory |
|   | \$                          | \$                          |
| Miscellaneous plastics products:                          |                             |                             |
| Automobile parts and accessories .....                    | 1, 149, 672                 | 1, 382, 222                 |
| Aircraft parts and accessories .....                      | 72, 311                     | 445, 478                    |
| Radio parts and accessories .....                         | 609, 699                    | 1, 034, 308                 |
| Refrigerator parts and accessories .....                  | 622, 892                    | 847, 954                    |
| Electrical parts and accessories, other .....             | 2, 596, 944                 | 3, 294, 325                 |
| Bags for packaging food, etc. ....                        | 2, 445, 729                 | 3, 921, 312                 |
| Bottle caps, closures, etc. ....                          | 621, 686                    | 712, 015                    |
| Boxes and cases for clocks, hosiery, jewellery, etc. .... | 48, 206                     | 100, 021                    |
| Boxes, other .....  | 572, 640                    | 671, 400                    |
| Beauty parlor equipment and accessories .....             | 2                           | 28, 132                     |
| Garden hose .....   | 369, 743                    | 406, 758                    |
| Handles, not elsewhere specified .....                    | 423, 643                    | 256, 307                    |
| Laminated plastics .....                                  | 4, 864, 656                 | 5, 728, 547                 |
| Novelties .....   | 452, 609                    | 585, 240                    |
| Nursery supplies .....                                    | 203, 171                    | 261, 783                    |
| Signs and displays .....                                  | 278, 747                    | 287, 033                    |
| Stationery goods .....                                    | 227, 168                    | 252, 906                    |
| Toys .....  | 2, 604, 271                 | 2, 903, 128                 |
| Tile, floor and wall .....                                | 1, 037, 527                 | 1, 127, 216                 |
| Pipe, extruded .....                                      | 1, 462, 397                 | 1, 635, 898                 |
| Tubing, lacing, belting, etc., extruded .....             | 324, 521                    | 480, 443                    |
| Other miscellaneous plastics products not specified ..... | 7, 053, 432                 | 9, 791, 084                 |
| Miscellaneous products other than plastics .....          | 658, 172                    | 1, 111, 765                 |
| Custom work and repairs .....                             | 372, 761                    | 471, 632                    |
| <b>Total value of products .....</b>                      | <b>37, 480, 878</b>         | <b>48, 732, 590</b>         |

1. Included with other household equipment and accessories.

2. Included with other miscellaneous plastics products, not classified.

TABLE 3. Materials Used, 1954 and 1955

| Materials   | 1954                                 |   |                    | 1955                                 |   |                    |
|---|--------------------------------------|---|--------------------|--------------------------------------|---|--------------------|
|   | Quantity                             |   | Cost at<br>factory | Quantity                             |   | Cost at<br>factory |
|   | Moulding<br>powders and<br>compounds | Liquids,<br>rods, bars,<br>sheeting, etc. |                    | Moulding<br>powders and<br>compounds | Liquids,<br>rods, bars,<br>sheeting, etc. |                    |
|   | lb.                                  | lb.                                       | \$                 | lb.                                  | lb.                                       | \$                 |
| Synthetic resins:   |                                      |   |                    |                                      |   |                    |
| 1. Phenol-aldehyde types phenol-for-<br>maldehyde and other ..... | 2, 836, 909                          | 3, 831, 516                               | 1, 189, 468        | 3, 467, 739                          | 5, 378, 084                               | 1, 561, 756        |
| 2. Amino-aldehyde types:  |                                      |   |                    |                                      |   |                    |
| (a) Urea-formaldehyde and other ....                              | 1, 723, 979                          | 19, 970                                   | 340, 139           | 2, 238, 287                          | 280                                       | 431, 058           |
| (b) Melamine-formaldehyde .....                                   | 1, 666, 498                          | —   | 776, 162           | 2, 008, 595                          | 4, 500                                    | 947, 920           |
| 3. Alkyd types:   |                                      |   |                    |                                      |   |                    |
| Polyesters and other .....  | 16, 129                              | 61, 242                                   | 42, 588            | 25, 668                              | 334, 280                                  | 131, 020           |
| 4. Polyamide types:   |                                      |   |                    |                                      |   |                    |
| Nylon and other .....   | 161, 295                             | —   | 231, 112           | 236, 285                             | 2, 004                                    | 340, 857           |
| 5. Styrene types:   |                                      |   |                    |                                      |   |                    |
| (a) Polystyrene .....   | 8, 759, 054                          | 75, 220                                   | 3, 105, 802        | 10, 343, 177                         | 287, 817                                  | 3, 412, 905        |
| (b) Other .....   | 461, 679                             | 1, 650                                    | 165, 073           | 722, 988                             | 27, 948                                   | 166, 674           |
| 6. Vinyl types:   |                                      |   |                    |                                      |   |                    |
| (a) Vinyl acetate .....   | 190, 666                             | 20, 756                                   | 104, 415           | 313, 350                             | 547, 646                                  | 528, 183           |
| (b) Vinyl chloride .....  | 1, 284, 526                          | 1, 137, 120                               | 1, 325, 341        | 1, 824, 568                          | 769, 836                                  | 1, 409, 200        |
| (c) N.S. ....   | 232, 867                             | 1, 099, 856                               | 765, 981           | 678, 892                             | 1, 129, 583                               | 1, 176, 173        |
| 7. Polyethylene types .....                                       | 4, 584, 584                          | 1, 529, 329                               | 3, 260, 382        | 7, 539, 346                          | 1, 923, 284                               | 4, 189, 753        |
| 8. Acrylic types .....  | 390, 388                             | 233, 156                                  | 420, 286           | 278, 146                             | 307, 377                                  | 478, 894           |
| 9. Silicone types .....   | 95                                   | 1, 000                                    | 2, 198             | —                                    | 1   | 1                  |
| 10. Other synthetic resin types .....                             | —                                    | —   | 133, 103           | —                                    | —   | 308, 447           |

TABLE 3. Materials Used, 1954 and 1955 - Concluded

| Materials                                       | 1954                           |                                     |                   | 1955                           |                                     |                   |
|---|--------------------------------|-------------------------------------|-------------------|--------------------------------|-------------------------------------|-------------------|
|   | Quantity                       |                                     | Cost at factory   | Quantity                       |                                     | Cost at factory   |
|   | Moulding powders and compounds | Liquids, rods, bars, sheeting, etc. |                   | Moulding powders and compounds | Liquids, rods, bars, sheeting, etc. |                   |
|   | lb.                            | lb.                                 | \$                | lb.                            | lb.                                 | \$                |
| Cellulose plastics:                             |                                |                                     |                   |                                |                                     |                   |
| Cellulose nitrate (celluloid and other) .....   | 2,500                          | 10,270                              | 13,579            | 2,500                          | 6,415                               | 11,207            |
| Cellulose acetate .....                         | 297,078                        | 120,490                             | 237,671           | 543,416                        | 142,540                             | 374,630           |
| Cellulose acetate butyrate .....                | 585,501                        | 31,126                              | 369,562           | 683,421                        | 12,968                              | 412,239           |
| Ethyl cellulose .....                           | 3,176                          | 1,089                               | 3,229             | 2,790                          | 7,270                               | 7,168             |
| Cellulose film ("cellophane", etc.) .....       | 18,090                         | 436,222                             | 304,761           | 67,000                         | 844,216                             | 583,100           |
| Other cellulose plastics .....                  | —                              | —                                   | 15,395            | 2,210                          | 550                                 | 1,847             |
| Other plastics .....                            | —                              | —                                   | 928,002           | —                              | —                                   | 2,424,613         |
| Other materials:                                |                                |                                     |                   |                                |                                     |                   |
| Cotton fabrics .....                            | —                              | —                                   | 173,923           | —                              | —                                   | 223,896           |
| Other fabrics .....                             | —                              | —                                   | 134,985           | —                              | —                                   | 104,675           |
| Paper .....                                     | —                              | —                                   | 887,244           | —                              | —                                   | 1,119,647         |
| Rubber .....                                    | —                              | —                                   | 31,888            | —                              | —                                   | 64,717            |
| Metals .....                                    | —                              | —                                   | 532,960           | —                              | —                                   | 443,023           |
| Paints, lacquers, etc. ....                     | —                              | —                                   | 108,055           | —                              | —                                   | 80,555            |
| Shipping containers and packing materials ..... | —                              | —                                   | 813,163           | —                              | —                                   | 1,100,272         |
| All other materials .....                       | —                              | —                                   | 2,109,659         | —                              | —                                   | 2,212,899         |
| <b>Total cost of materials used .....</b>       | <b>—</b>                       | <b>—</b>                            | <b>18,526,126</b> | <b>—</b>                       | <b>—</b>                            | <b>24,247,328</b> |

1. Confidential. Included with "other synthetic resin types".

### Scientific and Professional Equipment

This industry is comprised of establishments primarily engaged in manufacturing mechanical, measuring and controlling instruments; dental medical and surgical instruments and equipment; surgical and orthopedic appliances; optical instruments and lenses; ophthalmic goods; photographic equipment and supplies. Clock and watch manufacturers were transferred from the jewellery industry to this industry in 1947 but were removed in 1951 and formed into a separate industry. Establishments primarily engaged in manufacturing instruments for indicating, measuring and recording electrical quantities and characteristics are classified in the miscellaneous electrical products industry.

Table 1, which follows shows the production of scientific and professional equipment to have been on a very small scale prior to World War 2. Due to the tremendous demand for instruments of various kinds for war purposes, output expanded greatly during the war years reaching a value of \$78,534,483 in 1944 which has never been equalled. Following a very sharp reduction in the immediate post war years, the output of the industry commenced a steady upward trend which has continued almost without interruption.

In 1955 reports were received from 151 establishments, 85 of these being in Ontario, 35 in Quebec, 11 in Manitoba, 10 in British Columbia, 5 in Alberta, 4 in New Brunswick and 1 in Nova Scotia. These establishments reported factory shipments valued at \$63,223,468. Employment was given to 6,514 persons who received \$22,957,061 in salaries and wages. Materials costing \$22,789,219 were used in manufacture. The 1954 principal statistics were: establishments, 139; gross value of shipments, \$59,743,340; employees, 6,755; salaries and wages, \$22,519,467; cost of materials, \$22,824,964.

While the commodities in this industry are collected in detail, the data must often be suppressed because too few establishments are involved to permit publication without divulging the figures of individual establishments. Such is the case for photographic supplies. However, it is usually possible to meet the confidence requirement and still publish useful figures by effecting appropriate combinations of the commodity data. Table 2 gives the commodities manufactured by the industry in as much detail and as meaningfully as possible.

TABLE 1. Principal Statistics, Representative Years, 1927 to 1955

| Year and province                  | Estab-<br>lish-<br>ments | Em-<br>ployees | Salaries<br>and wages | Cost at<br>plant of<br>fuel and<br>electricity | Cost at<br>plant of<br>materials<br>used | Value<br>added by<br>manufacture | Gross<br>value of<br>production |
|------------------------------------|--------------------------|----------------|-----------------------|--|--|----------------------------------|---------------------------------|
|                                    | No.                      | No.            | \$                    | \$   | \$                                       | \$                               | \$                              |
| 1927.....                          | 21                       | 1,104          | 1,421,809             | 61,278   | 3,616,016                                | 4,138,134                        | 7,815,428                       |
| 1929.....                          | 23                       | 953            | 1,258,790             | 63,969   | 3,199,528                                | 4,900,154                        | 8,163,651                       |
| 1933.....                          | 27                       | 809            | 946,850               | 67,784   | 1,580,612                                | 2,853,585                        | 4,501,981                       |
| 1939.....                          | 31                       | 1,125          | 1,561,953             | 68,929   | 2,427,823                                | 4,225,180                        | 6,721,932                       |
| 1941.....                          | 42                       | 3,853          | 5,218,575             | 198,066  | 8,791,848                                | 7,256,603                        | 16,246,517                      |
| 1944.....                          | 48                       | 9,844          | 19,734,303            | 363,257  | 34,592,256                               | 43,578,970                       | 78,534,483                      |
| 1946.....                          | 45                       | 2,226          | 4,070,084             | 145,030  | 5,979,164                                | 8,260,375                        | 14,384,569                      |
| 1947.....                          | 71                       | 3,923          | 7,440,830             | 221,373  | 9,118,803                                | 12,245,656                       | 21,585,832                      |
| 1948.....                          | 81                       | 3,791          | 8,666,159             | 246,218  | 10,604,599                               | 15,657,407                       | 26,508,224                      |
| 1949.....                          | 91                       | 4,781          | 10,984,607            | 289,153  | 13,895,560                               | 19,003,380                       | 33,188,093                      |
| 1950.....                          | 97                       | 4,810          | 11,842,620            | 297,097  | 13,378,949                               | 17,980,249                       | 31,656,295                      |
| 1951.....                          | 100                      | 4,174          | 12,035,607            | 345,768  | 14,150,895                               | 22,499,682                       | 36,996,345                      |
| 1952.....                          | 116                      | 5,396          | 16,627,838            | 377,970  | 15,554,628                               | 28,059,219 <sup>2</sup>          | 43,991,817                      |
| 1953.....                          | 128                      | 6,642          | 22,107,369            | 429,594  | 22,010,622                               | 38,588,436 <sup>2</sup>          | 61,028,652                      |
| <b>1954</b>                        |                          |                |                       |  |  |                                  |                                 |
| <b>Canada.....</b>                 | <b>139</b>               | <b>6,755</b>   | <b>22,519,467</b>     | <b>523,231</b>                                 | <b>22,824,964</b>                        | <b>38,070,305</b>                | <b>59,743,340</b>               |
| Nova Scotia and New Brunswick..... | 5                        | 26             | 57,701                | 1,939  | 47,907                                   | 64,763                           | 113,869                         |
| Quebec.....                        | 32                       | 1,827          | 6,443,205             | 102,159  | 6,595,763                                | 8,949,984                        | 15,632,994                      |
| Ontario.....                       | 78                       | 4,806          | 15,806,139            | 409,867  | 16,030,581                               | 28,708,568                       | 43,486,866                      |
| Manitoba.....                      | 9                        | 51             | 108,162               | 4,747  | 87,861                                   | 178,264                          | 271,234                         |
| Alberta.....                       | 5                        | 22             | 46,992                | 1,853  | 41,869                                   | 80,719                           | 124,441                         |
| British Columbia.....              | 10                       | 23             | 57,268                | 2,666  | 20,983                                   | 88,007                           | 113,936                         |
| <b>1955</b>                        |                          |                |                       |  |  |                                  |                                 |
| <b>Canada.....</b>                 | <b>151</b>               | <b>6,514</b>   | <b>22,957,061</b>     | <b>569,441</b>                                 | <b>22,789,219</b>                        | <b>40,149,398</b>                | <b>63,223,468</b>               |
| Nova Scotia and New Brunswick..... | 5                        | 33             | 76,703                | 1,854  | 61,446                                   | 70,216                           | 134,256                         |
| Quebec.....                        | 35                       | 1,777          | 6,061,678             | 98,026   | 5,339,583                                | 9,187,975                        | 14,634,366                      |
| Ontario.....                       | 85                       | 4,610          | 16,592,970            | 456,098  | 17,181,146                               | 30,525,559                       | 47,869,762                      |
| Manitoba.....                      | 11                       | 47             | 112,064               | 7,513  | 94,579                                   | 173,710                          | 280,332                         |
| Alberta.....                       | 5                        | 21             | 51,477                | 2,188  | 77,243                                   | 103,225                          | 176,662                         |
| British Columbia.....              | 10                       | 26             | 62,169                | 3,762  | 35,222                                   | 88,713                           | 128,090                         |

1. Commencing with 1952 value of factory shipments has been collected instead of gross value of production.

2. Because of insufficient inventory data in 1952 and 1953, these figures have been calculated from value of factory shipments and are, therefore, only approximations to true "value added by manufacture".

TABLE 2. Factory Shipments, 1954 and 1955

| Products   |          | 1954<br>Factory shipments |                  | 1955<br>Factory shipments |                  |
|--|----------|---------------------------|------------------|---------------------------|------------------|
|  |          | Quantity                  | Value            | Quantity                  | Value            |
|  |          |                           | \$               |                           | \$               |
| <b>Orthopaedic and surgical appliances:</b>        |          |                           |                  |                           |                  |
| Artificial limbs.....                              | No.      | 1,097                     | 263,994          | 1,079                     | 264,309          |
| Trusses.....                                       | "        | 37,385                    | 183,300          | 36,547                    | 181,791          |
| Surgical belts.....                                | "        | 67,676                    | 274,964          | 63,010                    | 264,511          |
| Arch supports.....                                 | pr.      | 39,975                    | 125,822          | 40,403                    | 136,549          |
| Orthopaedic corsets.....                           | "        | 15,532                    | 85,806           | 14,897                    | 87,893           |
| Surgical supports, other.....                      | No.      | 175,977                   | 265,094          | 171,855                   | 258,251          |
| Elastic stockings.....                             | "        | 77,280                    | 129,314          | 79,771                    | 121,753          |
| Braces, spinal.....                                | "        | 1,205                     | 45,100           | 1,797                     | 79,100           |
| Braces, other.....                                 | "        | 3,235                     | 79,538           | 2,572                     | 59,584           |
| All other surgical and orthopaedic appliances..... | —        | —                         | 402,433          | —                         | 457,344          |
| <b>Total.....</b>                                  | <b>—</b> | <b>—</b>                  | <b>1,855,365</b> | <b>—</b>                  | <b>1,911,085</b> |
| <b>Ophthalmic goods:</b>                           |          |                           |                  |                           |                  |
| Lenses for spectacles.....                         | No.      | 2,444,841                 | 2,754,977        | 2,328,075                 | 2,724,763        |
| Spectacles complete.....                           | pr.      | 36,501                    | 276,146          | 102,421                   | 692,780          |
| Sunglasses.....                                    | "        | 2                         | 2                | 155,388                   | 229,428          |
| All other ophthalmic goods.....                    | —        | —                         | 1,419,122        | —                         | 1,088,743        |
| <b>Total.....</b>                                  | <b>—</b> | <b>—</b>                  | <b>4,450,245</b> | <b>—</b>                  | <b>4,735,714</b> |

TABLE 2. Factory Shipments, 1954 and 1955 - Concluded

| Products   | 1955<br>Factory shipments |                     |
|--|---------------------------|---------------------|
|  | Quantity                  | Value               |
|  |                           | \$                  |
| Scientific and professional equipment:   |                           |                     |
| Thermometers, industrial and laboratory .....  | No. 47, 118               | 330, 147            |
| Thermometers, other .....  | " 424, 521                | 329, 784            |
| Pyrometers, thermocouples and accessories .....  | —                         | 1, 352, 913         |
| Temperature and hygrometric instruments and accessories, other .....                                       | —                         | 6, 469, 525         |
| Electric quantity instruments and accessories .....  | —                         | 487, 425            |
| Pressure measuring instruments, gauges and accessories .....   | —                         | 758, 666            |
| Flow and liquid level instruments and accessories .....  | —                         | 1, 260, 777         |
| Parking meters .....   | No. 6, 267                | 557, 072            |
| Aircraft engine and flight instruments: aircraft and nautical navigational instruments and apparatus ..... | —                         | 7, 624, 702         |
| Control valves and regulators, except voltage .....  | —                         | 1, 736, 446         |
| Dental, surgical and medical instruments .....   | —                         | 52, 111             |
| Optical instruments .....  | —                         | 194, 376            |
| Photographic equipment and supplies .....  | —                         | 1                   |
| All other scientific and professional equipment .....  | —                         | 27, 858, 901        |
| <b>Total</b> .....   | —                         | <b>49, 012, 845</b> |
| All other products .....   | —                         | 1, 834, 478         |
| Amount received for custom work and repairs .....  | —                         | 5, 729, 346         |
| <b>Grand Total</b> .....   | —                         | <b>63, 223, 468</b> |

1. Confidential. Included with "all other scientific and professional equipment".
2. Confidential. Included with "all other ophthalmic goods".

TABLE 3. Imports of Scientific and Professional Equipment

| Articles imported  | 1954        |             | 1955        |             |
|--|-------------|-------------|-------------|-------------|
|  | Quantity    | Value       | Quantity    | Value       |
|  |             | \$          |             | \$          |
| Photographic equipment and supplies:   |             |             |             |             |
| Cinematograph and motion picture cameras, equipped for motion picture production, and parts .....  | —           | 62, 976     | —           | 121, 832    |
| Cameras and camera parts, n.o.p. ....  | —           | 3, 910, 556 | —           | 5, 304, 897 |
| Camera parts, in the rough, for the manufacture of cameras .....   | —           | 99, 092     | —           | 129, 433    |
| Camera lenses and shutters for the manufacture of cameras .....  | —           | 185, 198    | —           | 256, 996    |
| Films, X-ray .....   | —           | 2, 327, 646 | —           | 1, 897, 670 |
| Films, chemically prepared for photographers use .....   | —           | 1, 682, 122 | —           | 3, 150, 381 |
| Films, hypersensitive or super-sensitive panchromatic, and infra-red films, unexposed, for aerial photography .....  | —           | 57, 262     | —           | 24, 641     |
| Sensitized negative film, one and one eighth inch in width or over, for exposure in motion picture cameras .....   | —           | 140, 198    | —           | 138, 836    |
| Photographic dry plates .....  | —           | 146, 312    | —           | 173, 483    |
| Photoflash lamps .....   | 5, 191, 019 | 322, 688    | 3, 933, 131 | 255, 934    |
| Photographic accessories, except cameras and parts, equipment used in developing, printing and finishing photographs; parts of all the foregoing .....   | —           | 2, 461, 724 | —           | 3, 452, 558 |
| Orthopaedic and surgical appliances:   |             |             |             |             |
| Artificial limbs and parts, and materials for .....  | —           | 112, 966    | —           | 115, 760    |
| Appliances or boots for crippled or deformed foot or ankle .....   | —           | 5, 927      | —           | 7, 152      |
| Spinal and other orthopaedic braces and parts thereof; materials, not mentioned elsewhere, for the manufacture of the foregoing .....  | —           | 66, 796     | —           | 72, 593     |
| Surgical trusses and suspensory bandages of all kinds, and abdominal supports .....  | —           | 22, 384     | —           | 13, 334     |
| Instruments and apparatus:   |             |             |             |             |
| Chronometers and compasses, and parts, including cards, not made in Canada, for ships and aircraft .....   | —           | 661, 908    | —           | 408, 808    |
| Cyclometers, pedometers, speedometers, and parts .....   | —           | 152, 051    | —           | 251, 156    |
| Dental instruments; surgical needles; microscopes valued at not less than \$50 each, retail; parts .....   | —           | 1, 129, 432 | —           | 1, 519, 070 |
| Engineers', surveyors', draftsmen's, machinists or metal workers' precision tools and measuring instruments, geophysical surveying instruments and parts. Photogrammetric instruments for use in the interpretation of photographs and in the preparation of maps from photographs ..... | —           | 5, 329, 518 | —           | 5, 747, 604 |
| Globes, geographical, topographical and astronomical .....   | —           | 81, 647     | —           | 93, 332     |

TABLE 3. Imports of Scientific and Professional Equipment — Concluded

| Articles imported   | 1954     |           | 1955     |           |
|---|----------|-----------|----------|-----------|
|   | Quantity | Value     | Quantity | Value     |
|   |          | \$        |          | \$        |
| Instruments and apparatus—Concluded:  |          |           |          |           |
| Optical, philosophical, photographic and mathematical instruments, n.o.p., and parts .....                  | —        | 4,325,890 | —        | 4,261,421 |
| Oven thermostats, automatic oven lighters and dual valves for gas stoves, and gas pressure regulators ..... | —        | 98,152    | —        | 94,219    |
| Philosophical and scientific apparatus, for use by institutions, hospitals and schools .....                | —        | 5,153,589 | —        | 5,705,715 |
| Thermometers, including clinical thermometers .....   | —        | 1,184,211 | —        | 1,139,106 |
| Surgical instruments and parts .....  | —        | 4,580,252 | —        | 4,956,459 |
| Artificial eyes for human use, and contact eye glasses or lenses .....                                      | —        | 10,059    | —        | 7,617     |
| Artificial teeth, not mounted, and materials for the manufacture thereof .....                              | —        | 1,141,604 | —        | 1,142,597 |
| Spectacles and eye-glass frames, and parts, n.o.p. ....   | —        | 2,263,709 | —        | 2,597,510 |
| Parts, unfinished, for the manufacture of spectacles and eyeglass frames .....                              | —        | 394,286   | —        | 345,409   |
| Lenses, glass, n.o.p. ....  | —        | 295,344   | —        | 292,157   |
| Spectacles, eye-glasses and ground or finished spectacle or eye-glass lenses, n.o.p. ....                   | —        | 591,375   | —        | 643,530   |

TABLE 4. Exports of Scientific and Professional Equipment

| Articles exported   | 1954     |           | 1955     |           |
|---|----------|-----------|----------|-----------|
|   | Quantity | Value     | Quantity | Value     |
|   |          | \$        |          | \$        |
| Cameras .....   | 973      | 126,347   | 1,263    | 157,522   |
| Camera parts .....  | —        | 11,152    | —        | 41,208    |
| Dental and surgical apparatus and instruments, and hospital equipment ..... | —        | 396,474   | —        | 694,626   |
| Films, X-ray .....  | —        | 82        | —        | 143       |
| Films, n.o.p. ....  | —        | 2,019,360 | —        | 1,916,445 |
| Goggles and spectacles and parts .....                                      | —        | 86,280    | —        | 60,156    |
| Lenses of glass, rough or finished .....                                    | —        | 237,890   | —        | 312,479   |
| Motion picture apparatus .....  | —        | 11,228    | —        | 16,787    |
| Philosophical and scientific apparatus and instruments, n.o.p. ....         | —        | 794,371   | —        | 915,913   |

### Signs, Electric, Neon and Other

This industry comprises establishments primarily engaged in the manufacture of signs, electric and non-electric, and advertising displays. It does not include establishments whose principal activity is the provision of advertising service or the erection and maintenance of signs.

Electric signs include those of neon and other luminous tube, many of which are leased or rented. Signs which were not sold outright are reported at the value they would have were they so sold. Beginning with 1955 the number and estimated value of leased or rented signs which hitherto have been included in the industry totals are removed. They are shown, separately in a footnote to Table 2.

In 1955 reports were collected from 305 establishments compared with 206 establishments in 1954. The large increase resulted for the most part from the inclusion of a group of sign writers and sign painters which had hitherto been excluded. Receipts from factory shipments, rentals, custom work and repairs amounted to \$25,275,087 compared with the 1954 figure of \$20,273,968. Employment which stood at 2,731 in the earlier year rose to 3,102 in the later and salaries and wages increased from \$8,493,332 to \$9,777,004 over the two years. Materials used cost \$7,819,492 in 1955 compared with \$6,444,124 in 1954.

Details of the commodities shipped by the industry in 1955 are to be found in Table 2.

TABLE 1. Principal Statistics, Representative Years, 1935 to 1955

| Year and province                    | Estab-<br>lish-<br>ments | Em-<br>ployees | Salaries<br>and wages | Cost at<br>plant of<br>fuel and<br>electricity | Cost at<br>plant of<br>materials<br>used | Value<br>added by<br>manufacture | Gross<br>value of<br>production <sup>1</sup> |
|--------------------------------------|--------------------------|----------------|-----------------------|--|--|----------------------------------|--|
|                                      | No.                      | No.            | \$                    | \$   | \$                                       | \$                               | \$   |
| 1935 .....                           | 38                       | 536            | 652,461               | 40,058   | 383,011                                  | 1,238,818                        | 1,661,887                                    |
| 1938 .....                           | 46                       | 673            | 894,397               | 51,084   | 476,586                                  | 2,022,775                        | 2,550,445                                    |
| 1939 .....                           | 42                       | 624            | 870,842               | 60,335   | 474,769                                  | 1,872,317                        | 2,407,421                                    |
| 1941 .....                           | 39                       | 656            | 1,026,142             | 90,287   | 558,320                                  | 2,602,609                        | 3,251,216                                    |
| 1943 .....                           | 31                       | 400            | 711,641               | 61,599   | 289,210                                  | 1,707,673                        | 2,058,482                                    |
| 1945 .....                           | 30                       | 605            | 1,095,673             | 75,275   | 499,680                                  | 1,999,872                        | 2,574,827                                    |
| 1947 .....                           | 42                       | 1,038          | 2,183,227             | 94,994   | 1,528,525                                | 3,829,354                        | 5,452,873                                    |
| 1949 .....                           | 49                       | 1,369          | 3,146,480             | 156,828  | 2,119,144                                | 6,156,257                        | 8,432,229                                    |
| 1950 .....                           | 64                       | 1,569          | 3,874,776             | 171,021  | 2,801,486                                | 7,531,833                        | 10,504,340                                   |
| 1951 .....                           | 103                      | 2,001          | 5,336,652             | 271,396  | 4,765,596                                | 10,021,946                       | 15,058,938                                   |
| 1952 .....                           | 176                      | 2,356          | 6,609,424             | 330,225  | 5,344,140                                | 12,711,681 <sup>2</sup>          | 18,386,046                                   |
| 1953 .....                           | 193                      | 2,632          | 7,703,654             | 336,970  | 6,247,579                                | 15,204,952 <sup>2</sup>          | 21,789,501                                   |
| <b>1954</b>                          |                          |                |                       |  |  |                                  |  |
| <b>Canada .....</b>                  | <b>206</b>               | <b>2,731</b>   | <b>8,493,332</b>      | <b>430,412</b>                                 | <b>6,444,124</b>                         | <b>13,391,309</b>                | <b>20,273,968</b>                            |
| Newfoundland and New Brunswick ..... | 7                        | 41             | 105,426               | 7,873  | 69,986                                   | 165,722                          | 241,306                                      |
| Nova Scotia .....                    | 6                        | 21             | 57,266                | 7,166  | 38,924                                   | 103,913                          | 150,003                                      |
| Quebec .....                         | 49                       | 634            | 1,872,982             | 90,299   | 1,305,033                                | 3,003,581                        | 4,397,857                                    |
| Ontario .....                        | 100                      | 1,231          | 3,545,177             | 199,861  | 3,523,197                                | 5,139,443                        | 8,873,943                                    |
| Manitoba .....                       | 7                        | 155            | 491,031               | 38,383   | 211,491                                  | 1,037,671                        | 1,287,545                                    |
| Saskatchewan .....                   | 3                        | 19             | 59,070                | 2,017  | 25,091                                   | 140,686                          | 167,811                                      |
| Alberta .....                        | 16                       | 204            | 681,933               | 43,264   | 294,923                                  | 1,464,802                        | 1,802,989                                    |
| British Columbia .....               | 18                       | 426            | 1,680,447             | 41,549   | 975,479                                  | 2,335,491                        | 3,352,514                                    |
| <b>1955</b>                          |                          |                |                       |  |  |                                  |  |
| <b>Canada .....</b>                  | <b>305</b>               | <b>3,102</b>   | <b>9,777,004</b>      | <b>537,754</b>                                 | <b>7,819,492</b>                         | <b>16,930,088</b>                | <b>25,278,087</b>                            |
| Newfoundland and New Brunswick ..... | 7                        | 43             | 120,386               | 5,864  | 72,600                                   | 170,883                          | 248,625                                      |
| Nova Scotia .....                    | 6                        | 20             | 63,607                | 5,115  | 48,821                                   | 94,465                           | 148,401                                      |
| Quebec .....                         | 63                       | 708            | 2,063,841             | 114,085  | 1,617,864                                | 3,484,627                        | 5,221,996                                    |
| Ontario .....                        | 147                      | 1,343          | 4,093,468             | 257,279  | 4,042,543                                | 6,480,246                        | 10,767,728                                   |
| Manitoba .....                       | 13                       | 199            | 618,246               | 48,719   | 324,492                                  | 1,243,725                        | 1,616,954                                    |
| Saskatchewan .....                   | 3                        | 19             | 61,480                | 1,491  | 33,816                                   | 160,242                          | 195,004                                      |
| Alberta .....                        | 28                       | 257            | 839,520               | 46,921   | 466,064                                  | 1,904,227                        | 2,417,222                                    |
| British Columbia .....               | 38                       | 513            | 1,916,456             | 58,280   | 1,213,292                                | 3,391,673                        | 4,662,157                                    |

1. Commencing with 1952 value of factory shipments has been collected instead of gross value of production.

2. Because of insufficient inventory data in 1952 and 1953, these figures have been calculated from value of factory shipments and are, therefore, only approximations to true "value added by manufacture".

TABLE 2. Factory Shipments, 1954 and 1955

| Products  | 1954<br>Selling value<br>at factory | 1955<br>Selling value<br>at factory |
|---|-------------------------------------|-------------------------------------|
|   | \$                                  | \$                                  |
| <b>Signs, Electric:</b>                           |                                     |                                     |
| Neon and other luminous tube .....                | 6,605,627                           | 3,965,526 <sup>2</sup>              |
| Other electric .....                              | 989,805                             | 1,091,171 <sup>2</sup>              |
| <b>Signs, Non electric:</b>                       |                                     |                                     |
| Metal signs .....                                 | 2,560,238                           | 2,760,312                           |
| Screen processed signs, other than metal .....    | 598,723                             | 910,951                             |
| All other non electric signs .....                | 1,514,389                           | 1,728,990 <sup>2</sup>              |
| Fluorescent lighting fixtures .....               | 600,170                             | 596,944                             |
| Advertising displays .....                        | 3,287,421                           | 4,223,895                           |
| All other products .....                          | 2,414,626                           | 1,269,986                           |
| Amount received for rental of signs .....         | 1                                   | 6,786,858                           |
| Amount received for custom work and repairs ..... | 1,702,969                           | 1,943,454                           |
| <b>Total .....</b>                                | <b>20,273,968</b>                   | <b>25,278,087</b>                   |

1. Receipts from rental of leased signs were not collected in 1954.

2. In addition to these signs which were shipped on an outright sales basis the following were manufactured but shipped on a lease or rental basis.

|  | Estimated value<br>\$ |
|--|-----------------------|
| (a) Neon and other luminous tube ..... | 3,493,727             |
| (b) Other electric .....               | 47,209                |
| (c) All other non electric .....       | 96,988                |
| <b>Total .....</b>                     | <b>3,637,924</b>      |

## Stamps and Stencils, Rubber and Metal

As indicated by its title, this industry comprises those establishments whose principal products are stamps and stencils of rubber and metal. Establishments engaged primarily in the manufacture of paper stencils are classified to the Miscellaneous Paper Products industry.

In 1955 reports were received from 65 establishments distributed provincially as follows: Nova Scotia 2, Quebec 13, Ontario 34, Manitoba 5, Saskatchewan 2, Alberta 2 and British Columbia 7. They reported factory shipments with a value of \$5,642,901, thus indicating an industry comprised of relatively small plants. Employees numbered 897 persons who received \$2,605,349 in salaries and wages. Materials consumed in production cost

\$1,596,363. Comparable figures for 1954 are 61 establishments, 898 employees, salaries and wages \$2,564,387, material cost \$1,336,837 and value of factory shipments \$4,875,848.

The industry in 1955 reported shipments with a value of \$1,389,164 for the item "stamps, daters and other marking devices". Of this total, \$1,208,287 worth were of rubber. Factory shipments of rubber dies amounted to \$390,398 and other dies to \$213,941. Seals, all kinds, were shipped to the value of \$308,684 and stencils, all kinds, to the value of \$69,235. Shipments of metal, licence, name and other types of plates amounted to \$1,524,196. Other products included signs, badges, metal stampings and buttons.

## Statuary, Art Goods, Regalia and Novelties

The value of factory shipments in this industry in 1955 remained practically unchanged from 1954. Factory shipments in 1955 were \$4,712,793 while in the preceding year they totalled \$4,712,658. The number of employees fell to 882 from the 946 employed in 1954 and their earnings from \$2,055,885 to \$1,982,841. Cost of materials increased from \$1,509,980 in the earlier year to \$1,633,705 in the latter, a rise of 8.2 per cent.

The industry in the year under review was comprised of 117 establishments, 6 more than a year before. It was concentrated in Quebec and Ontario as will be seen by the following provincial distribution of establishments: Quebec 50, Ontario 48, Manitoba 9, Alberta 2 and British Columbia 8.

In the same year the industry shipped statues valued at \$664,936. Other statuary and art goods shipped had a value of \$842,402. Shipments of novelties were valued at \$902,932 and crests, emblems, badges and regalia at \$289,657. Complete information on commodity shipments will be found in Table 2.

Imports of the principal commodities manufactured by the industry were as follows: statues and statuettes of porcelain or earthenware, \$928,800; statues and statuettes of material other than porcelain or earthenware, \$330,474; regalia and badges, \$153,532.

TABLE 1. Principal Statistics, 1939-1955

| Year and province                    | Estab-<br>lish-<br>ments | Em-<br>ployees | Salaries<br>and wages | Cost at<br>plant of<br>fuel and<br>electricity | Cost at<br>plant of<br>materials<br>used | Value<br>added by<br>manufacture | Gross<br>value of<br>production <sup>1</sup> |
|--------------------------------------|--------------------------|----------------|-----------------------|--|--|----------------------------------|--|
|                                      | No.                      | No.            | \$                    | \$   | \$                                       | \$                               | \$   |
| 1939 .....                           | 54                       | 392            | 384,953               | 6,354  | 289,531                                  | 516,044                          | 811,929                                      |
| 1940 .....                           | 59                       | 503            | 470,906               | 13,510   | 346,359                                  | 686,788                          | 1,046,657                                    |
| 1941 .....                           | 67                       | 707            | 615,728               | 12,879   | 640,139                                  | 907,763                          | 1,560,781                                    |
| 1942 .....                           | 76                       | 851            | 763,183               | 13,116   | 767,904                                  | 1,206,923                        | 1,987,943                                    |
| 1943 .....                           | 86                       | 905            | 881,967               | 14,272   | 912,003                                  | 1,308,966                        | 2,235,241                                    |
| 1944 .....                           | 83                       | 881            | 955,253               | 13,430   | 981,282                                  | 1,481,145                        | 2,475,857                                    |
| 1945 .....                           | 89                       | 1,031          | 1,154,995             | 22,972   | 1,054,240                                | 1,824,637                        | 2,901,849                                    |
| 1946 .....                           | 93                       | 1,180          | 1,409,335             | 25,134   | 1,334,889                                | 2,068,783                        | 3,428,806                                    |
| 1947 .....                           | 100                      | 992            | 1,303,428             | 32,143   | 1,214,486                                | 1,951,092                        | 3,197,721                                    |
| 1948 .....                           | 95                       | 954            | 1,403,791             | 36,982   | 1,412,784                                | 2,318,583                        | 3,768,349                                    |
| 1949 .....                           | 104                      | 1,017          | 1,614,462             | 38,270   | 1,647,983                                | 2,606,600                        | 4,292,853                                    |
| 1950 .....                           | 107                      | 932            | 1,551,905             | 39,197   | 1,377,353                                | 2,415,993                        | 3,832,543                                    |
| 1951 .....                           | 125                      | 1,037          | 1,859,607             | 47,524   | 1,829,707                                | 2,868,184                        | 4,745,415                                    |
| 1952 .....                           | 137                      | 1,055          | 1,995,197             | 62,765   | 1,800,922                                | 3,032,303 <sup>2</sup>           | 4,895,990                                    |
| 1953 .....                           | 122                      | 989            | 2,090,786             | 59,632   | 1,842,169                                | 3,309,371 <sup>2</sup>           | 5,211,172                                    |
| 1954                                 |                          |                |                       |  |  |                                  |  |
| Canada .....                         | 111                      | 946            | 2,055,885             | 67,918   | 1,509,980                                | 3,175,292                        | 4,712,658                                    |
| Quebec .....                         | 46                       | 372            | 758,281               | 24,140   | 517,109                                  | 1,130,279                        | 1,660,424                                    |
| Ontario .....                        | 48                       | 449            | 1,077,695             | 34,199   | 866,985                                  | 1,682,323                        | 2,554,347                                    |
| Manitoba .....                       | 7                        | 104            | 186,880               | 4,758  | 112,641                                  | 320,426                          | 437,847                                      |
| British Columbia and other provinces | 10                       | 21             | 33,029                | 4,821  | 13,245                                   | 42,264                           | 60,040                                       |
| 1955                                 |                          |                |                       |  |  |                                  |  |
| Canada .....                         | 117                      | 882            | 1,982,841             | 72,468   | 1,633,705                                | 2,988,597                        | 4,712,793                                    |
| Quebec .....                         | 50                       | 388            | 798,920               | 31,499   | 654,913                                  | 1,174,218                        | 1,877,739                                    |
| Ontario .....                        | 48                       | 375            | 967,675               | 31,561   | 829,824                                  | 1,475,497                        | 2,339,685                                    |
| Manitoba .....                       | 9                        | 95             | 178,125               | 5,032  | 134,304                                  | 286,776                          | 429,588                                      |
| Alberta and British Columbia         | 10                       | 24             | 38,121                | 4,376  | 14,664                                   | 52,106                           | 65,783                                       |

1. Commencing with 1952 value of factory shipments has been collected instead of gross value of production

2. Because of insufficient inventory data in 1952 and 1953, these figures have been calculated from value of factory shipments and are, therefore, only approximations to true "value added by manufacture".

TABLE 2. Factory Shipments, 1954 and 1955

| Products  | 1954                        | 1955                        |
|---|-----------------------------|-----------------------------|
|   | Selling value<br>at factory | Selling value<br>at factory |
|   | \$                          | \$                          |
| Statuary and art goods:                           |                             |                             |
| Statues, all kinds .....                          | 713,364                     | 664,936                     |
| Religious articles (rosaries, medals, etc.) ..... | 185,241                     | 195,957                     |
| Ornaments, plaster .....                          | 464,037                     | 453,050                     |
| “ other .....                                     | 166,761                     | 184,330                     |
| Art goods, other .....                            | 59,988                      | 9,065                       |
| Novelties, advertising and other:                 |                             |                             |
| Felt .....  | 1                           | 1                           |
| Leather .....                                     | 1                           | 1                           |
| Paper .....                                       | 137,314                     | 146,699                     |
| Plastic .....                                     | 223,533                     | 199,248                     |
| Plaster .....                                     | 198,821                     | 208,007                     |
| Wooden .....                                      | 37,379                      | 33,777                      |
| Other .....                                       | 270,109                     | 315,201                     |
| Christmas tree decorations .....                  | 160,550                     | 348,187                     |
| Crests, emblems, badges, regalia, all kinds ..... | 300,052                     | 289,657                     |
| Pennants .....                                    | 2                           | —                           |
| Gold and silver stampings .....                   | 109,378                     | 155,422                     |
| Display stands and fixtures, all kinds .....      | 164,360                     | 70,325                      |
| Display forms, all kinds .....                    | 415,833                     | 416,991                     |
| All other products .....                          | 909,626                     | 802,893                     |
| Amount received for custom work and repair .....  | 196,312                     | 219,048                     |
| <b>Total .....</b>                                | <b>4,712,658</b>            | <b>4,712,793</b>            |

1. Included with other "Novelties, advertising and other".
2. Included with "All other products".

### The Toy and Game Industry

This industry is comprised of establishments which manufacture toys and games as their principal product. In 1955 reports were received from 56 of these which were distributed provincially as follows: Nova Scotia 2, Quebec 13, Ontario 37, Manitoba 1, Alberta 1 and British Columbia 2. The industry was concentrated in Ontario and Quebec, Ontario holding the dominant position with 71 per cent of employees and 72 per cent of shipments. Quebec accounted for 28 per cent of employees and 27 per cent of shipments.

Factory shipments made by the industry in 1955 had a value f.o.b. factory of \$12,311,395 which compares with \$10,937,953 worth of products shipped in 1954. Employment increased from 1,337 in the earlier year to 1,405 in the later while salaries and wages rose from \$3,134,766 to \$3,320,076. The cost of materials used amounted to \$6,231,378 in 1955 as against \$5,608,244 in 1954.

Increase in imports has been substantial during post war years in the products made by this industry. Increasing amounts of toys are being obtained annually from Japan, Italy and Germany. During 1955 a peak was reached when importations from all countries totalled \$10,080,709. Corresponding figures for 1954 were \$9,293,133. Exports, on the other hand, are relatively unimportant. In 1954 the total figure was \$186,211 while in 1955 it was \$234,185.

The toys and games produced by the establishments classified to this industry do not represent total Canadian production. There are concerns which manufacture toys and games only as secondary or minor products and which are assigned to other industries on the basis of their more important items of manufacture. In 1955 these concerns accounted for approximately 39 per cent of the value of total Canadian shipments. Table 3 summarizes in as much detail as possible total shipment of toys and games as assembled from all industries.

TABLE 1. Principal Statistics, Representative years, 1926-1955

| Year and province     | Estab-<br>lish-<br>ments | Em-<br>ployees | Salaries<br>and wages | Cost at<br>plant of<br>fuel and<br>electricity | Cost at<br>plant of<br>materials<br>used | Value<br>added by<br>manufacture | Gross<br>value of<br>production <sup>1</sup> |
|-----------------------|--------------------------|----------------|-----------------------|--|--|----------------------------------|--|
|                       | No.                      | No.            | \$                    | \$   | \$                                       | \$                               | \$   |
| 1926 .....            | 13                       | 144            | 124,617               | 3,820  | 242,728                                  | 232,169                          | 478,717                                      |
| 1928 .....            | 10                       | 129            | 114,055               | 4,332  | 213,541                                  | 212,244                          | 430,117                                      |
| 1930 .....            | 9                        | 88             | 66,411                | 2,606  | 111,590                                  | 121,609                          | 235,805                                      |
| 1932 .....            | 12                       | 206            | 163,376               | 4,379  | 186,490                                  | 324,828                          | 515,697                                      |
| 1933 .....            | 12                       | 152            | 98,150                | 2,308  | 114,460                                  | 287,126                          | 403,894                                      |
| 1937 .....            | 13                       | 282            | 206,238               | 12,861   | 318,363                                  | 463,171                          | 794,395                                      |
| 1939 .....            | 13                       | 348            | 273,589               | 15,562   | 411,740                                  | 566,338                          | 993,640                                      |
| 1941 .....            | 19                       | 547            | 403,322               | 15,858   | 706,570                                  | 743,342                          | 1,465,770                                    |
| 1942 .....            | 28                       | 678            | 599,228               | 18,048   | 826,580                                  | 1,097,489                        | 1,942,117                                    |
| 1943 .....            | 45                       | 975            | 887,665               | 21,279   | 1,118,028                                | 1,748,216                        | 2,887,523                                    |
| 1944 .....            | 51                       | 1,230          | 1,153,044             | 24,168   | 1,643,253                                | 2,288,377                        | 3,955,798                                    |
| 1945 .....            | 56                       | 1,428          | 1,473,937             | 41,331   | 1,876,656                                | 2,892,078                        | 4,810,065                                    |
| 1946 .....            | 50                       | 1,456          | 1,736,996             | 56,817   | 2,224,510                                | 3,327,996                        | 5,609,323                                    |
| 1947 .....            | 47                       | 1,203          | 1,639,592             | 50,688   | 1,836,849                                | 2,324,178                        | 4,211,715                                    |
| 1948 .....            | 45                       | 1,086          | 1,730,713             | 37,962   | 2,313,113                                | 3,111,152                        | 5,462,227                                    |
| 1949 .....            | 56                       | 1,448          | 2,645,957             | 82,426   | 3,691,073                                | 4,277,234                        | 8,050,733                                    |
| 1950 .....            | 56                       | 1,624          | 3,032,658             | 90,619   | 4,371,643                                | 4,983,448                        | 9,445,710                                    |
| 1951 .....            | 53                       | 1,432          | 3,099,681             | 79,645   | 4,611,546                                | 4,925,841                        | 9,617,032                                    |
| 1952 .....            | 58                       | 1,484          | 2,989,220             | 103,471  | 5,087,008                                | 5,224,167 <sup>2</sup>           | 10,414,646                                   |
| 1953 .....            | 55                       | 1,551          | 3,475,270             | 128,340  | 5,948,744                                | 5,291,829 <sup>2</sup>           | 11,369,413                                   |
| 1954                  |                          |                |                       |  |  |                                  |  |
| Canada .....          | 52                       | 1,337          | 3,134,766             | 119,784  | 5,608,244                                | 5,145,063                        | 10,937,953                                   |
| Quebec .....          | 11                       | 343            | 905,289               | 53,042   | 1,258,187                                | 1,385,451                        | 2,742,677                                    |
| Ontario .....         | 36                       | 980            | 2,212,248             | 65,218   | 4,320,057                                | 3,724,428                        | 8,128,836                                    |
| Other provinces ..... | 5                        | 14             | 17,229                | 1,524  | 30,000                                   | 35,184                           | 66,440                                       |
| 1955                  |                          |                |                       |  |  |                                  |  |
| Canada .....          | 56                       | 1,405          | 3,320,076             | 139,954  | 6,231,378                                | 5,762,524                        | 12,311,395                                   |
| Quebec .....          | 13                       | 396            | 1,040,853             | 51,618   | 1,422,392                                | 1,839,567                        | 3,374,572                                    |
| Ontario .....         | 37                       | 994            | 2,260,532             | 87,263   | 4,787,926                                | 3,900,892                        | 8,890,930                                    |
| Other provinces ..... | 6                        | 15             | 18,691                | 1,073  | 21,060                                   | 22,065                           | 45,893                                       |

1. Commencing with 1952 value of factory shipments has been collected instead of gross value of production.

2. Because of insufficient inventory data in 1952 and 1953, these figures have been calculated from value of factory shipments and are, therefore, only approximations to true "value added by manufacture".

TABLE 2. Factory Shipments, 1954 and 1955

| Products                                    | 1954     |                             | 1955     |                             |
|---|----------|-----------------------------|----------|-----------------------------|
|   | Quantity | Selling value<br>at factory | Quantity | Selling value<br>at factory |
|   | doz.     | \$                          | doz.     | \$                          |
| Dolls .....                                 | 132,693  | 3,182,646                   | 147,183  | 3,425,071                   |
| Dolls' furnishings .....                    | 137,284  | 102,341                     | 1        | 1                           |
| Metal toys .....                            | —        | 1,453,047                   | —        | 1,899,737                   |
| Plastic toys .....                          | —        | 481,415                     | —        | 783,435                     |
| Wooden toys .....                           | 32,063   | 167,148                     | —        | 243,137                     |
| Stuffed animals, etc. ....                  | 73,207   | 1,200,532                   | 73,935   | 1,112,260                   |
| Toy vehicles .....                          | 28,407   | 391,626                     | 1        | 1                           |
| Other toys .....                            | —        | 1,997,701                   | —        | 1,858,610                   |
| Games and puzzles .....                     | —        | 646,226                     | —        | 713,490                     |
| Miscellaneous products, not specified ..... | —        | 1,253,145                   | —        | 2,275,655                   |
| Amount received for repairs .....           | —        | 62,126                      | —        | 1                           |
| <b>Total</b> .....                          | —        | <b>10,937,953</b>           | —        | <b>12,311,395</b>           |

1. Confidential. Included with "other toys".

Note. The above table includes only the statistics of those manufacturing establishments whose principal products are toys and games. The figures do not necessarily represent Canadian totals as toys and games are also made as secondary products by firms in other industries. The total figures for all industries are shown in Table 3.

TABLE 3. Toys and Games from all Industries, 1954 and 1955

| Products  | 1954     |                          | 1955 <sup>1</sup> |                          |
|---|----------|--------------------------|-------------------|--------------------------|
|   | Quantity | Selling value at factory | Quantity          | Selling value at factory |
|   | doz.     | \$                       | doz.              | \$                       |
| Doll carriages.....                               | —        | 1,125,660                | —                 | 1,021,054                |
| Dolls .....                                       | 144,951  | 3,400,756                | —                 | 3,769,529                |
| Dolls' furnishings .....                          | —        | 282,836                  | —                 | 313,812                  |
| Metal toys .....                                  | —        | 1,719,465                | —                 | 2,039,067                |
| Plastic toys .....                                | —        | 3,390,543                | —                 | 3,958,514                |
| Wooden toys .....                                 | —        | 678,127                  | —                 | 733,512                  |
| Stuffed animals.....                              | 73,207   | 1,200,532                | 73,935            | 1,112,260                |
| Rubber toys and novelties .....                   | 95,460   | 417,488                  | 94,329            | 297,546                  |
| Balloons .....                                    | —        | 346,281                  | —                 | 482,176                  |
| Sleighs, children's.....                          | 9,535    | 253,781                  | 13,934            | 325,035                  |
| Tricycles, all types.....                         | —        | 1,185,556                | —                 | 1,124,651                |
| Other children's vehicles .....                   | —        | 566,384                  | —                 | 720,319                  |
| Miscellaneous toys (including toy vehicles) ..... | —        | 1,592,239                | —                 | 2,471,945                |
| Games and puzzles .....                           | —        | 1,805,468                | —                 | 1,799,002                |
| <b>Total .....</b>                                | <b>—</b> | <b>17,965,116</b>        |                   | <b>20,168,422</b>        |

1. Figures for 1954 are preliminary and subject to revision.

TABLE 4. Imports of Toys and Games, 1954 and 1955

| Articles imported  | 1954      | 1955      |
|--|-----------|-----------|
|  | \$        | \$        |
| Dolls of all kinds .....   | 659,191   | 531,061   |
| Mechanical toys of metal.....  | 1,992,955 | 2,182,634 |
| Metal or rubber juvenile construction sets, consisting of various stampings, punched or moulded, and connections, and parts..... | 246,578   | 344,873   |
| Toys of all kinds, n.o.p. ....   | 6,394,409 | 7,022,141 |

TABLE 5. Exports of Toys, 1954 and 1955

| Articles exported | 1954    | 1955    |
|-------------------|---------|---------|
|                   | \$      | \$      |
| Dolls.....        | 74,024  | 104,936 |
| Toys .....        | 112,187 | 129,249 |

### Typewriter Supplies

This industry is comprised of manufacturing establishments whose principal products are carbon paper and typewriter ribbons. In 1955 there were ten of these with all but three of them in Ontario. Two were located in Quebec and one in British Columbia.

The industry's factory shipments were worth \$4,837,619 and \$5,120,176 respectively in the years 1954 and 1955. Employment fell from 409 to 395 while salaries and wages rose from \$1,211,327 to \$1,216,459 over the two years. Materials cost \$2,256,261 in the earlier year compared with \$2,510,102 in the later.

Carbon paper shipments amounted to \$2,518,087 worth in 1954 and \$2,675,047 worth in 1955. Factory

shipments of machine ribbons, principally typewriter, amounted in value to \$1,779,766 in 1954 compared with \$1,952,439 in 1955. Other products included stamp pads, duplicator fluid and ink but since less than three manufacturers were involved in the manufacture of each of them the figures cannot be published without divulging the particulars of individual firms.

Factory shipments of carbon paper and typewriter ribbons in Canada by all industries in 1955 amounted to \$2,898,228 and \$2,157,170, respectively. In the same year 498,555 pounds of carbon paper valued at \$381,395 and 6,980 pounds of typewriter ribbons value at \$31,105 were imported.

TABLE 1. Principal Statistics, 1927-1955

| Year and province | Estab-<br>lish-<br>ments | Em-<br>ployees | Salaries<br>and wages | Cost at plant<br>of fuel and<br>electricity | Cost at plant<br>of materials<br>used | Value<br>added by<br>manufacture | Gross<br>value of<br>production <sup>1</sup> |
|-------------------|--------------------------|----------------|-----------------------|---|---------------------------------------|----------------------------------|--|
|                   | No.                      | No.            | \$                    | \$  | \$                                    | \$                               | \$   |
| 1927 .....        | 4                        | 86             | 159,148               | 6,754                                       | 236,561                               | 291,702                          | 535,017                                      |
| 1930 .....        | 4                        | 110            | 191,623               | 7,688                                       | 354,228                               | 413,944                          | 775,860                                      |
| 1932 .....        | 5                        | 116            | 206,611               | 7,687                                       | 220,095                               | 370,691                          | 598,473                                      |
| 1937 .....        | 8                        | 177            | 304,769               | 8,509                                       | 406,152                               | 508,012                          | 922,673                                      |
| 1939 .....        | 8                        | 234            | 371,586               | 10,145                                      | 553,664                               | 667,200                          | 1,231,009                                    |
| 1940 .....        | 8                        | 243            | 419,184               | 10,001                                      | 703,740                               | 618,105                          | 1,331,846                                    |
| 1942 .....        | 8                        | 313            | 544,670               | 13,673                                      | 1,104,621                             | 1,037,669                        | 2,155,963                                    |
| 1945 .....        | 8                        | 306            | 568,151               | 17,530                                      | 1,255,348                             | 1,085,730                        | 2,358,608                                    |
| 1946 .....        | 8                        | 334            | 620,274               | 18,432                                      | 1,442,410                             | 1,261,401                        | 2,722,243                                    |
| 1948 .....        | 8                        | 372            | 760,726               | 25,043                                      | 1,729,542                             | 1,960,323                        | 3,714,908                                    |
| 1949 .....        | 7                        | 396            | 885,086               | 26,236                                      | 1,916,789                             | 1,921,239                        | 3,864,264                                    |
| 1950 .....        | 7                        | 427            | 911,674               | 31,322                                      | 2,174,991                             | 1,998,895                        | 4,205,208                                    |
| 1951 .....        | 7                        | 397            | 1,023,355             | 29,884                                      | 2,375,846                             | 1,955,279                        | 4,361,009                                    |
| 1952 .....        | 8                        | 431            | 1,142,437             | 30,180                                      | 2,177,550                             | 2,266,661 <sup>2</sup>           | 4,474,391                                    |
| 1953 .....        | 10                       | 445            | 1,227,504             | 32,850                                      | 2,401,040                             | 2,588,004 <sup>2</sup>           | 5,021,894                                    |
| 1954 .....        | 10                       | 409            | 1,211,327             | 36,595                                      | 2,256,261                             | 2,525,928                        | 4,837,619                                    |
| 1955 .....        | 10                       | 395            | 1,216,459             | 35,601                                      | 2,510,102                             | 2,582,566                        | 5,120,176                                    |

1. Commencing with 1952 value of factory shipments has been collected instead of gross value of production.

2. Because of insufficient inventory data in 1952 and 1953, these figures have been calculated from value of factory shipments and are, therefore, only approximations to the "value added by manufacture".

#### Umbrellas

This industry is a small one with a gross value of production which has hovered around the \$1 million mark for the past few years. Establishments are few with their number being 8 in the year under review. Three of these were located in Quebec, 2 in Ontario and three in British Columbia.

The industry reported factory shipments to the value of \$1,383,343 and \$1,314,797 in 1954 and 1955, respectively. Employment which stood at 192 in 1954 fell to 167 in 1955 accompanied by a drop

in salary and wage payments from \$358,829 to \$347,779. Materials used cost \$688,091 in the earlier year compared with \$713,814 in the later.

Umbrellas along with a small amount of repair work performed account for all the industry's production. In 1955 there were 45,335 dozen umbrellas shipped with a value of \$1,289,778. The production of this commodity in 1954 amounted to 44,183 dozen worth \$1,360,186.

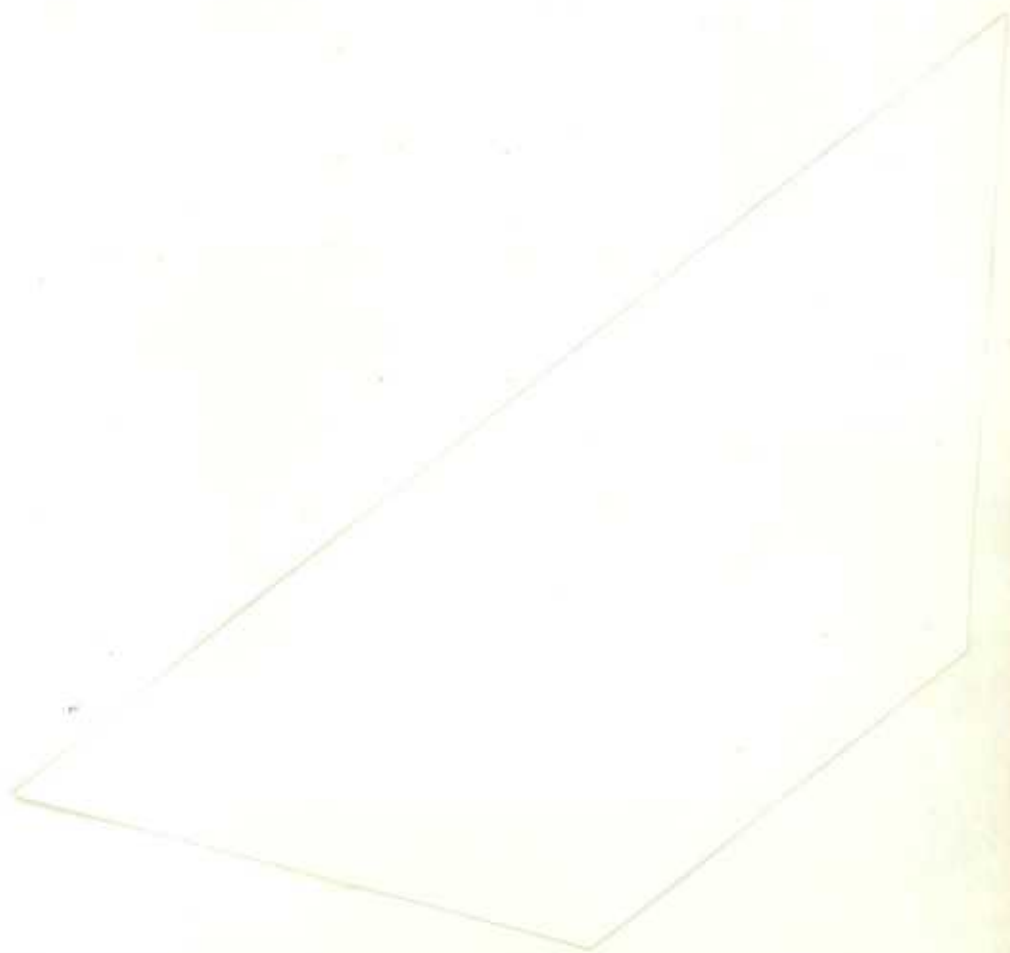
#### The Miscellaneous Industries, N.E.S.

To this industry are classified those establishments which are unassignable to other industries of the industrial classification. The establishments manufacture either a product or products not covered by a distinct classification or a product or products which would be assignable to existing classifications except for their mixed nature.

Because of the nature of its composition, this industry is subject to substantial fluctuation and because of its heterogeneous nature comparisons between years does not have any great significance. It was comprised of 37 establishments in 1954 and 38 establishments in 1955. These were confined chiefly to Ontario and Quebec with 11 plants in Quebec, 24 in Ontario and 3 in British Columbia.

In 1955 the industry shipped goods valued at \$12,857,430. The payroll listed 1,711 persons who received \$4,256,315 in salaries and wages. Materials costing \$4,039,616 were consumed in manufacture. Comparable 1954 figures are as follows: shipments, \$11,028,245; employees, 1,577; salaries and wages \$4,048,912; materials used, \$3,077,703.

The products are, of course, quite varied including such diverse items as bobby pins and carpet sweepers. In the assortment, to mention only a few, are jewellery findings, jewellery trays, knitting needles, safety pins and plates for addressograph and multigraph machines. Unfortunately, too few firms are engaged in the manufacture of the individual items to permit publication of figures for products.



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