# MISCELLANEOUS MANUFACTURING INDUSTRIES 

1962

ANNUAL CENSUS<br>OF MANUFACTURES

DOMINION BUREAU OF STATISTICS<br>Industry Division

# MISCELLANEOUS MANUFACTURING INDUSTRIES 

 1962ANNUAL CENSUS<br>OF MANUFACTURES

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## Sy MBOLS

The following standard symbols are used in Dominion Bureau of Statistics publications
.. figures not available.
... figures not appropriate or not applicable.

- nil or zero.
-- amount too small to he expressed.
p preliminary figures.
r revised figures.


## MISCELLANEOUS MANUFACTURING INDUSTRIES

## 1962

Under the revised Standard Industrial Classification, originally implemented in the 1960 survey, this major industrial group comprises twenty-seven industries. The tables following this general preface present data covering this group as a whole and the special nature of Table 1, outlined below, should be noted.

Table 1 of this section presents the group manufacturing activity principal statistics for the years 1957 to 1961 , inclusive. In order to maintain comparability throughout this five-year period, this table does not include the following: (i) Dental Laboratories, originally surveyed as an industry in 1960; and, (ii) the extension of coverage in Ophthalmic Goods Manufacturers to include the prescription branches of large companies, first surveyed in 1961 (see Explanatory Notes).

On the other hand, the remaining following tables, namely, Table 1 A through to Table 4, present the statistics of this group on the revised basis. In other words, each of these tables includes all establishments classified to the industries comprising this group, including the two special categories outlined immediately above. In addition, they reflect the change to the total activity approach, described in detail in the Explanatory Notes contained at the end of this report.

Sixteen of the twenty-seven industries in this group form the subject of ten separate reports as listed below:

| Catalogue number | Title |
| :---: | :---: |
| $47-201$ | Broom, Brush and Mop Industry |
| 17-202 | Button, Buckle and Fastener Industry |
| 17-203 | Musical Instrument and Sound Recording Industry |
| 17-204 | Sporting Goods and Toys and Games Industries (two industries) |
| 17-206 | Scientific and Frofessional Fquipment Manufacturers (five industries) |
| 47-207 | Pen and Pencil and Typewriter Supplies Manufacturers (two industries) |
| 47-208 | Flastics Fabricators |
| 47-209 | Signs and Displays Industry |
| 47-210 | Venetian Blind Manufacturers |
| 47-211 | Jewellery and Silverware Manufacturers |

The remaining eleven of the industries are treated separately in this report as follows:

## Page

Artificial flowers and feathers manufacturers ..................................................................... 9
Artificial ice manufacturers ......................................................................................... 11
Candle manufacturers ............................................................................................................. 12
Fur dressing and dyeing industry ................................................................................ 13
Hair goods manufacturers ............................................................................................ 15
Model and pattern manufacturers .................................................................................... 16
Smokers' supplies manufacturers ................................................................................ 18
Stamp and stencil manufacturers ................................................................................... 19
Statuary, art goods, regalia and novelty manufacturers ............................................ 20
Umbrella manufacturers ............................................................................................... 22
Other miscellaneous industries ................................................................................... 23

TABLE 1. Primeipal Statistics - Manufacturing Activity, ${ }^{1}$ 1957-61
Basis: Revised Standard Industrial Classification and New Establishment Concept?

|  | Employees |  |  |  |  |  |  | Cost of fuel and electricity ${ }^{6}$ | Cost of materials and supplies used ${ }^{4}$ | Value of shipments of goods of own manufacture ${ }^{4}$ | Value added ${ }^{4}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Estab-11shments | Production and related workers ${ }^{6}$ |  | Administrative and office employees ${ }^{3}$ |  | Total ${ }^{\text {d }}$ |  |  |  |  |  |
|  |  | Number | Wages | Number | Salarles | Number | Salarles and wages |  |  |  |  |
|  | No. |  | \$'000 |  | \$'000 |  |  |  | \$ 000 |  |  |
| 1957 | 1.791 | 30,438 | 84,535 | 9,884 | 43,301 | 40,322 | 127, 836 | 4,882 | 176, 476 | 409,583 | $\cdots$ |
| 1958 | 1,802 | 30,274 | 87, 490 | 10,736 | 49, 174 | 41,010 | 136, 863 | 4.877 | 195,989 | 441,651 | 243,880 |
| 1959 | 1,768 | 31,567 | 95,063 | 11, 192 | 53, 929 | 42, 759 | 148, 992 | 5,126 | 215,086 | 486,960 | 272, 165 |
| 1960 | 1,881 | 32,433 | 102. 237 | 11, 774 | 58, 586 | 44,207 | 160, 823 | 5. 275 | 231,039 | 511, 810 | 279,428 |
| 1981 | 1.928 | 34,515 | 112, 178 | 11. 774 | 59,699 | 46, 289 | 171,878 | 5. 705 | 263.869 | 574,813 | 309,523 |

See footnotes following Table 3.

TABLE 1 A. Principal Statistics - Manufacturing Activity and Total Activity, 1961 and 1962
Basis: Revised Standard Industrial Classification and New Establishment Concept ${ }^{3}$

|  | Estab-lishments | Manufacturing activity |  |  |  |  |  |  | Total activity |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Production and related workers |  |  | Cost of electriclty ${ }^{5}$ | Cost of materials and supplies used ${ }^{4}$ | Value of shipments of goods of OWD manufacture ${ }^{4}$ | Value added | Working owners and partners ${ }^{6}$ |  | Total employees ${ }^{7}$ |  | Total value added |
|  |  | Number | Manhours pald | Wages |  |  |  |  | Number | Withdrawals | Number | Salarles and wages |  |
|  | No. |  | '000 |  |  | \$1000 |  |  |  | \$ ${ }^{\prime} 000$ |  |  |  |
| Newtoundland | 6 | 86 | 135 | 170 | 10 | 212 | 538 | 323 | 5 | 2 B | 75 | 207 | 336 |
| Prince Edward Island | 3 |  |  |  |  |  |  |  |  |  |  |  |  |
| Nova Scotia | 37 | 187 | 336 | 425 | 74 | 554 | 1,800 | 1,166 | 21 | 77 | 225 | 648 | 1.308 |
| New Brunswick | 32 | 335 | 722 | 926 | 76 | 1.750 | 4. 132 | 2,517 | 17 | 81 | 471 | 1,588 | 2,533 |
| Quebec | 752 | 11, 179 | 23,789 | 32,530 | 1,843 | 71,039 | 162, 231 | 88,459 | 472 | 2,060 | 15,483 | 52,930 | 93, 331 |
| Ontario | 1,120 | 22,396 | 46,614 | 78, 251 | 3,703 | 180, 130 | 396, 073 | 216.807 | 809 | 2,748 | 33, 022 | 130,711 | 244,877 |
| Manitoba | 101 | 835 | 1,675 | 2,409 | 121 | 5,324 | 11,456 | 6, 098 | 68 | 287 | 1,126 | 3.783 | 6,631 |
| Saskatchewan | 41 | 193 | 393 | 619 | 20 | 1,000 | 2,422 | 1,426 | 27 | 170 | 248 | 834 | 1. 720 |
| Alberta | 130 | 553 | 1.143 | 1,814 | 106 | 2.917 | 7,408 | 4. 583 | 88 | 415 | 742 | 2.758 | 6,519 |
| British Columbia | 259 | 1.093 | 2. 227 | 4, 194 | 223 | 5,975 | 14,407 | 8,411 | 190 | 866 | 1.572 | 6, 511 | 12, 118 |
| Tocals | 2, 481 | 36,817 | 77, 036 | 119,339 | 5. 976 | 268,902 | 600,467 | 389, 591 | 1,497 | 6. 731 | 52,964 | 199,945 | 369,398 |
| Newfoundland |  | 66 | 145 | 192 | 12 | 273 | 750 | 472 | 8 | 26 | 84 | 284 | 478 |
| Prince Edward Island | 3 |  |  |  |  |  |  |  |  |  |  |  |  |
| Nova Scotia | 37 | 156 | 334 | 464 | 70 | 820 | 1. 882 | 1,174 | 23 | 83 | 197 | 849 | 1. 295 |
| New Brunswick | 38 | 322 | 691 | 921 | 69 | 1,826 | 4.485 | 2. 500 | 21 | 100 | 477 | 1.515 | 2,549 |
| Cuebec | 734 | 11, 801 | 25, 297 | 35,499 | 1, 689 | 78, 756 | 178, 014 | 98, 120 | 435 | 2.829 | 15,945 | 57, 116 | 101,969 |
| Ontarlo | 1. 146 | 23, 718 | 50,431 | 82, 498 | 4.012 | 203, 888 | 448, 001 | 244,348 | 607 | 2.650 | 34, 015 | 138, 530 | 271,550 |
| Manltoba | 101 | 828 | 1,750 | 2,814 | 116 | 4,898 | 11, 043 | 6,047 | 60 | 260 | 1,140 | 4.311 | 8,750 |
| Saskatchewn | 40 | 177 | 378 | 568 | 23 | 801 | 2. 289 | 1,453 | 26 | 153 | 238 | 833 | 1,688 |
| Alberta | 144 | 538 | 1,146 | 1,912 | 110 | 2,826 | 8,010 | 5. 156 | 94 | 451 | 847 | 3,269 | 7.226 |
| British Columbla | 280 | 1. 147 | 2. 392 | 4,473 | 256 | 6, 233 | 17,007 | 10,763 | 191 | 881 | 1,700 | 7, 069 | 15.938 |
| Totals | 2,531 | 38,551 | 82, 562 | 129, 141 | 6. 387 | 300, 122 | 667, 462 | 370,033 | 1,463 | 6,515 | 54,643 | 213,554 | 409, 444 |

[^0]Table 1 B. Principal Statistics classified by Size Groups based on Shipments of Goods of Own Manufacture, 1961 and 1962 Basis: Revised Standard Industrial Classification and New Establishment Concept ${ }^{2}$


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 Basis: Revised Standard Industral Classification and New Establishment Concept ${ }^{2}$


See footnotes following Table 3.

TABLE 1 D. Principal Statistics classified by Size Groups based on Total Value Added, 1861 and 1962
Basis: Revised Standard Industrial Classification and New Establishment Concept ${ }^{2}$


See footnotes following Table 3.

TABIE 1E. Principal Statistics dassified by Size froups hased on Tutallmployed, ${ }^{11} 1961$ and 1962
Basis: Revisel Standard Industrial Classificution and New Fistablishment Concept ${ }^{3}$


See footnotes following Thable 3.

TABLE IF. Principal Statistics classified by Type of Organization, 1961 and 1962
Basis: Revised Standard Industrial Classincation and Dew Establishment Concept ${ }^{2}$

| Type of organization | Estab-Lishments | Manufacturing activity |  |  |  |  |  |  | Total activity |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Production and related workers ${ }^{6}$ |  |  | Cost of fuel and electricity ${ }^{3}$ | Cost of materials and supplies used ${ }^{4}$ | Value of shipments of goods of own manufacture ${ }^{4}$ | Value added ${ }^{4}$ | Worling owners and partners ${ }^{6}$ |  | Total employees ${ }^{7}$ |  | Total value added ${ }^{\circ}$ |
|  |  | Number | Manhours paid | Whages |  |  |  |  | Number | $\begin{aligned} & \text { With- } \\ & \text { drawals } \end{aligned}$ | Number | Salaries and wages |  |
|  | No. |  | '000 | \$'000 |  |  |  |  | 1.037 | \$'000 | 2.133 | \$000 |  |
| 1961 |  |  |  | 5,0702,187 | 346 | 7,551 | 22,957 | 15,079 |  | $\begin{aligned} & 4.730 \\ & 2.001 \end{aligned}$ |  | 5,879 | 15,561 |
| Individual ownerships | 1,042 | 1,819 | 3,775 |  |  |  |  |  |  |  |  |  |  |
| Partnerships | 232 | 849 | 1,712 |  |  | 4. 229 | 11.156 | 6.670 |  |  | 1,022 | 2,610 | 6,978 |
| Incorporated companies | 1,207 | 34, 149 | 71.550 | 112.082 | 5. 502 | 257. 121 | 566, 353 | 307.642 | - | - | 49,214 | 188, 392 | 344,871 |
| Cooperatives ................. |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Head offices, sales offices and auxiliary units ${ }^{30}$ <br> Totals $\qquad$ | $2.481$ | $36,817$ | $77,036$ | $\text { 119, } 339$ | $5,976$ | $268,902$ | $600,487$ | $329,591$ | $1,497$ | $6,731$ | $\begin{array}{r} 595 \\ 52,964 \end{array}$ | $\begin{array}{r} 3.063 \\ 199,945 \end{array}$ | $\begin{array}{r} 1,988 \\ 369,398 \end{array}$ |
| 1962 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Individual ownerships | 1,069 | 1.762 | 3,785 | 5,268 | 371 | 8,059 | 24,704 | 16,310 | 1.054 | 4.727 | 2,008 | 5. 991 | 16,589 |
| Partnerships .......................... | 202 | 574 | 1.246 | 1,695 | 111 | 2,842 | 8,442 | 5,525 | 409 | 1.788 | 679 | 1,936 | 5,581 |
| Incorporated companies ........... | 1,260 | 36.215 | 77. 529 | 122, 178 | 5,886 | 289.221 | 634,316 | 348, 198 | - | - | 50,994 | 200, 821 | 385,853 |
| Cooperatives ........................... | - |  | - | - | - | - | - | - | - | - | - | - | - |
| Head offices, sales offices and suxiliary units |  |  |  |  |  |  |  |  | $\cdots$ | . . | 962 | 4. 806 | 1,421 |
| Totals | 2,531 | 38,551 | 82, 562 | 129, 141 | 6.367 | 300, 122 | 667.462 | 370,033 | 1,463 | 6,515 | 54, 643 | 213,554 | 409, 444 |

See footnotes following Table 3.

F4BLE 2. Industry Outputs, Inputs and Value Added, 1961 and 1962
Datht: Revised Standard Industrial Classification and New Establishment Concept ${ }^{2}$

| Item | 196 |  | 1962 |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | \$'000 |  |  |
| Manufacturing activity: |  |  |  |  |
| Value of shipments - Goods of own manufacture |  | 600,467 |  | 667. 462 |
| Add: Closing inventory - Goods in process | 28,563 |  | 31, 366 |  |
| Finished goods .................................................................. | 39, 999 | 68,562 | 46,884 | 78,250 |
| Deduct: Opening inventory - Good: in process | 26,312 |  | 28,893 |  |
| Finlshed goods ............................................................ | 38,248 | (64,560) | 40,296 | $(69,189)$ |
| Gross output - Manufacturing activity ......................................................................... |  | 804,469 |  | 676,523 |
| Deduct: Cost of materials and supplies used in manufacturing activity | 268,902 |  | 300.122 |  |
| Cost of tuel and electrictity used | 5.976 | (274,878) | 6,367 | ( 306, 489) |
| Value added - Manufacturing activity |  | 329.591 |  | 370.033 |
| Non-manufacturing activitles: |  |  |  |  |
| Value of shipments - Goods not of owin manufacture |  |  |  |  |
| Add: All other revenue |  |  |  |  |
| Ciosing inventory - Goods purchased for resale | 18.133 | - | 18, 112 | 136,799 |
| Deduct: Purchases of goods for resale as such .............................................................. |  |  |  |  |
| Opening laventory - Goods not of own manufacture | 15.796 |  | 16, 449 |  |
| Cost of all other materials and supplies used |  | ..) |  | $(97,389)$ |
| thime added-Non-manufacturing activlties |  | 39.807 |  | 39,410 |
|  | 369. |  | 409, 444 |  |

[^1]TABLE 3. Employment and Payroll, 1961 and 1962
Basis: Revised Standard Industrial Classification and New Establishment Concept ${ }^{2}$

${ }^{1}$ See Table 2 and Explanatory Notes concerning manufacturing and non-manufacturing activitles.
${ }^{2}$ See Explanatory Notes.

- This category, in this table oniy, includes working owners and partners. Since administrative and office employees are engaged in a variety of activities they have been excluded from manufacturing activity beginning with the revised 1961 series shown in the following tables. They are included here for purposes of comparison with the tabulations of previous years.

Conceptuaily identical to previous years. See Explanatory Notes.
${ }^{5}$ Cannot be reported separately for manufacturing and non-manufacturing activities but related substantially to manufacturing activity. Identical concept to previous years.
plang "Working owners and partners were included with administrative and office employees in the "Manufacturing series" published in former years. See Ex-
tory Notes.
treatment of hes production and related workers, administrative and office employees, sales distribution and other employees, See Explanatory Notes for the
yor head offe employees and those employed in auxiliary units.
safe in the same condition; all adjusted for Inventory changes where required of materials, supplies, fuels used and purchases of products and materials for rebale in the same condition; all adjusted for Inventory changes where required. See Table 2 and Explanatory Notes.

- Sales and distribution workers and production warkers (non-manufacturing) are included for the first time as a result of the fullimplementation of the new definition of the establishment. The figures for productlon workers (non-manufacturing), administrative and office employees and sales and distribution workers are not yet available for 1961 but form part of total employees. Sales and distrlbution workers may include some employees that are reported as part of a manufacturing establishment but are not working at the establis bment's location. Kead offices, sales offices, etc., which report separately are included in the figures for the province in which they are located.

These data cover the activitles reported by separately located units such as head offices, salea offices, administrative offices, laboratories, warehouses, etc, Such units do not usually constitute separate "establishments" as they do not notmally generate all the necessary elements of input and output statistics However, they are treated as extensions of manufacturlng establishments and, in the case of individual industries, may be located in provinces where no procus. sing plants are situated. For the most part, these units contribute only to cosis of operatlons (mainly salartes and wages) and they are included here to provirie completeness and consistency of the statistics. See Explanatory Notes which deal with Single and Multi establishments for acomplete explanation of procedures.
${ }^{11}$ Includes paid employees and working owners but excludes unpaid family workers.
${ }^{12}$ Confidential data.
Note: Figures may not add due to rounding.

TABLE 4. Industry Inventories, 1962 ${ }^{1}$
Busis: Revised Standard Industrial Classification and New Establishment Concept ${ }^{3}$


[^2]
## ARTIFICIAL FLOWERS AND FEATHERS MANUFACTURERS, 1962

In terms of the N E: Establishment Concept, this industry is defined as comprising those "Establishments primarily engaged in manufacturing feathers, plumes and artificial flowers".

For the 1962 survey, a change was made to the total activity approach as fully outlined in the Explanatory Notes contained at the end of this report. These total data were also collected in the 1961 survey, but were not published at that time. The principal statistics in Table 1A reflect this increase in activity coverage, presenting both 1961 and 1962 figures.

Despite an increase of one in the number of establishments in this industry from 1961 to 1962, there was a substantial drop in shipments and in total activity as shown in Table 1A.

The 1962 shipments of goods of own manufacture by the industry are given in Table 2, whereas the 1961 and 1962 stipments of the main products of this industry by all industries are listed in Table 3.

A list of the establishments classified to the industry in the 1962 survey will be found at the end of this report.

TABLE 1. Principal Statistics - Manufacturing Activity, ${ }^{3}$ 1957-61 Basis: Revised Standard Industrial Classlfication and New Establishment Concept ${ }^{2}$


[^3]TABLE 1 A. Principal Statistics - Manufacturing Activity and Total Activity, ${ }^{1} 1961$ and 1962 Basis: Revised Standard Industrial Classification and New Establishment Concept ${ }^{2}$


See footnotes following Table 3, page 8.

TABLE 2. Shipments of Goods of Own Manufacture, 1962
Basis: Revised Standard Industrlal Classification and New Establishment Concepts

| Description | Value |
| :---: | :---: |
|  | \$ 000 |
| 1. Products: |  |
| Artiftelal flowers: |  |
| Sllk, velvet and cotton | 396 |
| Crepe paper and other | ? |
| Feathers, all kinds | , |
| Feather trimmings | 72 |
| Wreaths, decorative and memorial | 403 |
| All other products | 1,354 |
| 2. Amount received in payment for work done on materials and products owned by others | 56 |
| Less adjustment for value of sales taxes, excise duties and outward transportation charges which could not be deducted from individual commodity items described above | (8) |
| Total adjusted value of shipments and work done ................................................................................................................. | 2.273 |

${ }^{1}$ See Explanatory Notes.
'Included in "All other products".

TABLE 3. Shipments of Goods of Own Manufacture - All Industries ${ }^{1} 1961$ and 1962

| Description | Value |  |
| :---: | :---: | :---: |
|  | 1861 | 1963 |
|  | \$ ${ }^{\prime} 000$ |  |
| Artificial flowers, crepe paper and other | 534 | 55.4 |
| Feathers, all kinds | 247 | 213 |

${ }^{1}$ Includes shipments from other industries which manufacture, as a secondary activity, the commoditios listed above.

## ARTIFICLAL ICE MANUFACTURERS, 1962

In terms of the New Establishment Concept, this \#atiastry is defined as comprising those "Establishmants primarily engaged in manufacturing artificial ice".

For the 1962 survey, a change was made to the total activity approach as fully outlined in the Explanatory Notes contained at the end of this report. These total data were also collected in the 1961 survey, but were not published at that time. The principal statistics in Table 1A reflect this increase in activity coverage, presenting both 1961 and 1962 figures.

Despite a decrease of one in the number of establishments in this industry from 1961 to 1962, the general level of activity was somewhat higher in the latter year. Table 2 shows the 1962 shipments of goods of own
manufacture in minimum detail, whereas Table 3 gives the shipments of artificial ice by all industries for both the years 1961 and 1962. These latter shipments include the shipments of those establishments transferred out of the Census of Manufactures survey in 1961 on the new establishment basis, but which were sent special 1962 commodity schedules in order to obtain the shipments of artificial ice in this year. On the other hand, it should be noted that these shipment figures do not include ice manufactured in self-service icemanufacturing machines, now commonly found in many hotels, motels, etc., in Canada.

A list of the establishments classified to the industry in the 1962 survey will be found at the end of this report.

TABLE 1. Principal Statistics - Manufacturing Activity, ${ }^{2}$ 1957-61
Basis: Revised Standard Industrial Classification and New Establishment Concept ${ }^{2}$


See footnotes following Table 3, page 8.

TABLE 1 A. Principal Statistics - Manufacturing Activity and Total Activity, ${ }^{1} 1961$ and 1962 Basis: Revised Standard Industrial Classification and New Establishment Concept ${ }^{3}$

| $\begin{gathered} \text { Year } \\ \text { and } \\ \text { province } \end{gathered}$ | Estab-lishments | Manufacturing activity |  |  |  |  |  |  | Total activity |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Production and related workers ${ }^{4}$ |  |  | Cost of electricitys | Cost of materials and supplies used ${ }^{6}$ | Vaiue of shipments of goods of own msnufacture ${ }^{6}$ | Value added | Working owners and partners ${ }^{6}$ |  | Total employees? |  | Total value added |
|  |  | Number | Manhours paid | Wages |  |  |  |  | Number | Withdrawals | Number | Salaries and wages |  |
|  | No. |  | '000 |  |  | \$ ${ }^{\prime} 000$ |  |  |  | \$'000 |  |  |  |
| Nova Scotia | 4 | 23 | 49 | 68 | 67 | 19 | 283 | 196 | - | - | 35 | 112 | 223 |
| New Brunswlek Quebec | 4 |  | 59 | 65 | 30 | 24 | 241 | 188 | 12 | 13 | 31 | 93 | 222 |
| Ontario | 15 | 88 | 212 | 281 | 107 | 117 | 919 | 695 | 12 | t? | 132 | 475 | 1,052 |
| Alberta British Columbia | 3 | 26 | 61 | 88 | 33 | 32 | 284 | 213 | - | - | 55 | 168 | 281 |
| Totals | 30 | 159 | 381 | 502 | 235 | 192 | 1,726 | 1,292 | 7 | 23 | 253 | 848 | 1.778 |
| 1962 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Nova Scotla $\qquad$ New Brunswick | 4 | 20 | 44 | 60 | 64 | 20 | 338 | 258 | - | - | 36 | 118 | 267 |
| Dupec | 4 | 24 | 58 | 65 | 28 | 18 | 240 | 194 | 12 | 8 | 34 | 91 | 211 |
| Cxarlo........... | 14 | 91 | 216 | 282 | 127 | 138 | 918 | 654 | 13 | 12 | 117 | 411 | 720 |
| Acherta <br> A tish Columbia | 3 | \} 32 | 72 | 105 | 34 | 28 | 275 | 212 | - | - | 58 | 179 | 270 |
| Totals. | 29 | 167 | 391 | 512 | 254 | 203 | 1.772 | 1,319 | 6 | 22 | 245 | 799 | 1.489 |

See footnotes following Table 3, page 8.

TABLE 2. Shipments of Goods of Own Manufacture, 1962
Besis: Revised Standard Industrial Ciassification and New Establishment Concept ${ }^{3}$

| Description | Quantity | Valla |
| :---: | :---: | :---: |
|  |  | \$'000 |
| 1. Products: |  |  |
| Artiftcial fce |  | 2 |
| All other products . |  | 1.772 |
| 2. Amount received in payment for work done on materials and products awned by others |  | 2 |
| Total adjusted value of shipments and work done |  | 1,772 |

${ }^{2}$ See Explanatory Notes.
${ }^{2}$ Included in "All other products".

TABLE 3. Shipments of Goods of Own Manufacture - All Industries, 1961 and 1962

${ }^{1}$ Includes shipments from other industrles which manufacture, as a secondary activity, the commodities listed above.

## CANDLE MANUFACTURES, 1962

In terms of the New Fstablishment Concept, this industry is defined as comprising those "Establishments primarily engaged in manufacturing candles".

For the 1962 survey, a change was made to the total activity approach as fully outlined in the Explanatory Notes contained at the end of this report. These total data were also collected in the 1961 survey, but were not published at that time. The principal statistics in Table 1 A reflect this increase in activity coverage, presenting both 1961 and 1962 figures.

There was no change in the nuaner of establisiments in this industry from 1961 to 1962 , but there was a slight increase in overall activity on the yearly basis. Table 2 gives the 1962 shipments of goods of own manufacture by the industry.

A list of the establishments classified to the industry in the 1962 survey will be found at the end of this report.

TABLE 1. Principal Statistics - Manufacturing Activity, ${ }^{2}$ 195t-61
Basis: Revised Standard Industrial Classification and New Fistablishment Concept ${ }^{2}$

|  | Estab-Lishments | Employees |  |  |  |  |  | Cost of fuel and electricity | Cost of materials and supplies used ${ }^{4}$ | Value of shipments of goods of own manufacture ${ }^{4}$ | Value added ${ }^{4}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Production and related workers ${ }^{4}$ |  | Administrative and office employees ${ }^{3}$ |  | Total ${ }^{\text {4 }}$ |  |  |  |  |  |
|  |  | Number | Wages | Number | Salarles | Number | $\begin{aligned} & \text { Salarles } \\ & \text { and } \\ & \text { wages } \end{aligned}$ |  |  |  |  |
|  | No. |  | \$000 |  | \$000 |  |  |  | \$'000 |  |  |
| 1957 | 18 | 191 | 424 | 56 | 258 | 247 | 680 | 56 | 1.304 | 2. 879 |  |
| 1958 | 19 | 175 | 418 | 72 | 340 | 247 | 758 | 51 | 1,245 | 3.007 | 1. 759 |
| 1959 | 21 | 177 | 4.77 | 71 | 357 | 248 | 834 | 54 | 1.220 | 2. 994 | 1,71! |
| 1980 | 17 | 177 | 472 | 88 | 380 | 243 | 832 | 55 | 1,170 | 2.984 | 1,698 |
| 1961. | 18 | 178 | 498 | 61 | 336 | 239 | 833 | 45 | 1,247 | 3,089 | 1,841 |

See footnotes following Table 3, page 8.

IABLE. 1A. Principal Statistics - Manufacturing Activity and Total Activity, 1961 and 1962
Rasis: Revised Standard Industrial Classification and New Establishment Concent ${ }^{2}$

| $\begin{gathered} \text { Year } \\ \text { and } \\ \text { province } \end{gathered}$ | Estab-listsments | Manufacturing activity |  |  |  |  |  |  | Total activity |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Production and related workers ${ }^{4}$ |  |  | Cost of fuel and electricity | Cost of materials and supplies used* | Value of shipments of goods of own manufacture | Value added ${ }^{4}$ | Working awners and partners ${ }^{6}$ |  | Total employees' |  | Total value added ${ }^{3}$ |
|  |  | Number | Manhours paid | Wages |  |  |  |  | Number | With- dra wals | Number | Salaries and wages |  |
|  | No. |  | ${ }^{\prime} 000$ |  |  | \$ 000 |  |  |  | \$'000 |  |  |  |
| Quebec. Other provinces | $\begin{array}{r} 11 \\ 5 \end{array}$ | 168 10 | $\begin{array}{r} 413 \\ 18 \end{array}$ | $\begin{array}{r} 475 \\ 23 \end{array}$ | 43 2 | $\begin{array}{r} 1.176 \\ 71 \end{array}$ | $\begin{array}{r} 2.924 \\ 165 \end{array}$ | $\begin{array}{r} 1.751 \\ 90 \end{array}$ | 118 | 12 | $\begin{array}{r} 275 \\ 13 \end{array}$ | $\begin{array}{r} 1,050 \\ \quad 39 \end{array}$ | $\begin{array}{r} 1,956 \\ 91 \end{array}$ |
| Totals | 16 | 178 | 431 | 498 | 45 | 1,247 | 3.089 | 1,841 | 8 | 30 | 288 | 1,089 | 2,048 |
| 1962 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Quehec Other provinces | 11 5 | $\begin{array}{r} 171 \\ 12 \end{array}$ | $\begin{array}{r} 426 \\ 28 \end{array}$ | $\begin{array}{r} 496 \\ 32 \end{array}$ | $\begin{array}{r} 48 \\ 2 \end{array}$ | 1.274 56 | $\begin{array}{r} 3.134 \\ 129 \end{array}$ | $\begin{array}{r} 1,814 \\ 71 \end{array}$ | 12 12 | ${ }^{12}$ | $\begin{array}{r} 296 \\ 14 \end{array}$ | $\begin{array}{r} 1,071 \\ \quad 39 \end{array}$ | $\begin{array}{r} 1,961 \\ 75 \end{array}$ |
| Totals. | 16 | 183 | 454 | 528 | 50 | 1.330 | 3,263 | 1.884 | 8 | 27 | 310 | 1,110 | 2,036 |

See footnotes lollowing Table 3, page 8.

TABLE 2. Shipments of Goods of Own Manufacture, 1962
Basis: Revised Standard Industrial Classification and New Establishment Concept ${ }^{1}$

| Description | Quantity | Value |
| :---: | :---: | :---: |
|  |  | \$ 000 |
| 1. Products: |  |  |
| Candles and cierges: |  |  |
| Honsphold, coloured, fancy, etc.: |  |  |
| Howisehold candles, paraffin wex .................................................................................................. 1 . 1 l . | 861,714 | 149 |
| Coisured and fancy, including wax novelties ................................................................................ doz. | 671,479 | 590 |
| Chara, chapel, synagogue, etc.: |  |  |
| Z3ees wax candles and cierges ............................................................................................................ 1 lb . | 472,990 | 551 |
| Composition candles and cierges | 249.494 | 130 |
| 7-day lights, bees wax and vegetable olls ...................................................................................... doz, | 19,775 | 316 |
| 7 -day lights, composition, other | 181,054 | 795 |
| Votive lights, all kinds | 1,616, 656 | 530 |
| Incense | , | 1 |
| Incensed charcoal. | , | 2 |
| All other products |  | 223 |
| 2. Amount recelved in payment for work done on materials and products owned by others |  |  |
| Less adjustment for value of sales taxes, excise duties snd outward transportation charges which could no dividual commodity ftems described above | ducted fro | (21) |
| Total adjusted value of shipments and work done |  | 3,263 |

${ }^{2}$ See Explanatory Notes.
Confidential; Included in "All other products".

## FUR DRESSING AND DYEING INDUSTRY, 1962

In terms of the New Fstablishment Concept, this industry is defined as comprising those "Establishments primarily engaged in scraping, currying, tanning, bleaching and dyeing pelts on a custom basis".

For the 1962 survey, a change was made to the dolal activity approach as fully outlined in the Explana$40: y$ Notes contained at the end of this report. These docal data were also collected in the 1961 survey, but vere not published at that time. The principal Statisties in Table 1 A reflect this increase in activity coverage, presenting both 1961 and 1962 figures.

Although there was a marked increase of four in the number of establishments in this industry from 1961 to 1962 , the overall level of activity was not markedly greater in the latter year. Table 2 shows the manufacturing revenue of this industry for 1962 which was, as in the past, largely derived from the custom treating of fur skins or pelts. The fur skins treated by the industry in both 1961 and 1962 are given by number in Table 3.

A list of the establishments classified to the industry in the 1962 survey will be found at the end of this report.

TABLE 1. Principal Statistics - Manulacturing Activity, ${ }^{2}$ 1857-61
Basis: Revised Standard Industrial Classification and New Establishment Concept ${ }^{1}$

|  | Establish ments | Employees |  |  |  |  |  | Cost of fuel and electrlcity ${ }^{*}$ | Cost of matertals and supplies used ${ }^{4}$ | Value of shipments of goods of own manufacture ${ }^{4}$ | Value added ${ }^{4}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Production and related workers ${ }^{4}$ |  | Administrative and office employees ${ }^{3}$ |  | Total ${ }^{\text {a }}$ |  |  |  |  |  |
|  |  | Number | Wages | Number | Salaries | Number | Salarles and wages |  |  |  |  |
|  | No. |  | \$ 000 |  | \$000 |  |  |  | \$ 000 |  |  |
| 1957 | 16 | 939 | 2,637 | 120 | 749 | 1,059 | 3,385 | 123 | 1. 249 | 6.299 | . |
| 1958. | 14 | 818 | 2,439 | 80 | 485 | 908 | 2,925 | 113 | 896 | 5.508 | 4. 524 |
| 1959 | 15 | 896 | 2,800 | 97 | 612 | 993 | 3.412 | 119 | 1. 254 | 6. 504 | 5.145 |
| 1960. | 16 | 890 | 2,991 | 96 | 639 | 988 | 3.629 | 125 | 1,001 | 6,775 | 5,671 |
| 1961. | 15 | 877 | 3,176 | 95 | 566 | 972 | 3.743 | 120 | 1,286 | 8,834 | 5,449 |

See footnotes following Table 3, page 8.

TABLE 1 A. Principal Statistics - Manufacturing Activity and Total Activity ${ }^{2} 1961$ and 1962
Basis: Revised Standard Industrial Classlfication and New Establishment Concept ${ }^{1}$

| $\begin{aligned} & \text { Year } \\ & \text { and } \\ & \text { province } \end{aligned}$ | Estab11sh ments | Manufacturing activity |  |  |  |  |  |  | Total activity |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Production and related workers ${ }^{4}$ |  |  | Cost of fuel and electricity ${ }^{8}$ | Cost of materials and suppites used ${ }^{\text {a }}$ | Value of shipments of goods of own manufacture ${ }^{4}$ | Value added ${ }^{4}$ | Working owners and partners ${ }^{6}$ |  | Total employees ${ }^{7}$ |  | Total value adiced |
|  |  | Number | Manhours pald | Wages |  |  |  |  | Number | With $=$ drawals | Number | Salarles and wages |  |
|  | No. |  | '000 |  |  | \$ 000 |  |  |  | \$.000 |  | \$'0 |  |
| Quebec | 8 | 867 | 1. 236 | 2,216 | 79 | 876 | 4,580 | 3, 825 |  |  | 638 | 2,525 | 3,615 |
| Other provinces | 7 | 310 | 622 | 962 | 40 | 390 | 2,254 | 1,824 | 11 | 11 | 359 | 1. 305 | 1,813 |
| Totals | 15 | 877 | 1,857 | 3,178 | 120 | 1.268 | 6,834 | 5,449 | 18 | 12 | 997 | 3,830 | 5.429 |
| Quebec | 9 | 603 | 1. 219 | 2.119 | 93 | 1,209 | 4.798 | 3,498 |  |  | 675 | 2,529 | 3,489 |
| Other provinces | 10 | 312 | 611 | 1,080 | 31 | 377 | 2.346 | 1,926 | 11 | 13 | 360 | 1,420 | 1,919 |
| Totals | 18 | 915 | 1,829 | 3,189 | 124 | 1,586 | 7.143 | 5,425 | 18 | 11 | 1,035 | 3,948 | 5,408 |

See footnotes following Table 3. page 8.

TABLE 2. Shipments of Goods of Own Manufactare, including Value of Work Done, 1962
Basis: Revised Standard Industrial Classification and New Establishment Concept ${ }^{1}$


[^4]TABLE 3. Number of Fur Skins Treated 1961 and 1962

|  | 1961 | 1962 |
| :---: | :---: | :---: |
| Bear | 1,062 | 1. 428 |
| Beaver | 164.022 | 145,452 |
| Cat, house and other | 1. 662 | 7.295 |
| Ermine, (weasel) .... | 33,037 | 6, 918 |
| Fisher of pekan . | 502 | 557 |
| Futch ....... | 254 | 1 |
| Fox, white |  |  |
| Fox, other than white Goat and sid ............ | 62,256 296 | $132,364$ |
| Kolinsky ........... | 250,723 | 241,591 |
| Lamb, Persian | 1,054,973 | 842,247 |
| Lamb, Other ... | 15,404 |  |
| Lynx ......... | 2, 245 |  |
| Marten | $18,150$ | $\begin{array}{r} 16,456 \\ 815,844 \end{array}$ |
| Mink | 928,437 |  |
| Mink, Jap and Chlna Weasel |  |  |
| Muskrat | 2,622,211 | $2,131,644$ |
| Nutria |  | 844 |
| Ocelot | 3,245 | 3,529 |
| Oppossum | 14,059 | 12, 227 |
| Otter | 28,708 | 27, 801 |
| Rabbit | 66, 118 | 208,395 |
| Raccoon | 332,082 | 323,211 |
| Seal, hait | 20,816 | $14,329$ |
| Sheep, shearling and mouton | 431,054 | 546,470 |
| Sheep, other | 2,705 |  |
| Skunk .......... | 415 | 1 |
| Squiprel | 304.831 | 260, 565 |
| Wolf ... | 2,261 | 5,174 |
| Other kinds | 29,586 | 31,706 |
| Totals | $6,740,325$ | 6,229,747 |



## HAIR GOODS MANUFACTURERS, 1962

Dacier che fie: Estambimate Concept, this industry is definci as cumprising those "Establishments primarily engaged in manufacturing hair, bristles and hair goods".

For the 1962 survey, a change was made to the total activity approach as fully outlined in the Explanatory Notes contained at the end of this report. These total data were also collected in the 1961 survey, but were not published at that time. The principal statistics in Table 1A reflect this increase in activity coverage, presenting both 1961 and 1962 figures.

There was no change in the number of establishments in this industry from 1961 to 1962. but there was a general overall increase in activity in the latter year. Table 2 gives the 1962 shipments of goods of own manufacture by all industries. In this table, the shipments of "Wigs, toupees and switches" have been concealed in order that the more important all-industry shipment data covering this commodity for both the years 1961 and 1962 may be shown in Table 3.

A list of the establishments classified to the industry in the 1962 survey will be found at the end of this report.

TABLE 1. Principal Statistics - Manufacturing Activity, ${ }^{8}$ 1957-61
Basis: Revised Standard Industrial Classification and New Establishment Concept²

|  | Employees |  |  |  |  |  |  | Cost of <br> fuel and electricity | Cost of materials and supplies used ${ }^{4}$ | Value of shipments of goods of 0 wn mantfacture ${ }^{4}$ | Value added ${ }^{4}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Estab-lishments | Production and related workers ${ }^{4}$ |  | Administrative and office employees ${ }^{1}$ |  | Tota ${ }^{4}$ |  |  |  |  |  |
|  |  | Number | Wages | Number | Salarles | Nusuber | Salaries and wages |  |  |  |  |
|  | No. |  | \$'000 |  | $\$ 7000$ |  |  |  | \$000 |  |  |
| :957 | 11 | 62 | 111 | 17 | 56 | 79 | 166 | 3 | 592 | 890 | - |
| 3958 | 10 | 72 | 133 | 18 | 59 | 90 | 192 | 3 | 445 | 751 | 309 |
| 1959 | 8 | 30 | 76 | 11 | 41 | 41 | 118 | 1 | 150 | 316 | 162 |
| 1960 | 11 | 43 | 110 | 16 | 63 | 59 | 174 | 5 | 215 | 486 | 269 |
| ; 961 | 11 | 51 | 109 | 17 | 59 | 68 | 168 | 4 | 269 | 485 | 214 |

See foatnotes following Table 3, page 8 .

TABLE 1 A. Principal Statistics - Manufacturing Activity and Total Activity, ${ }^{2} 1961$ and 1962
Basis: Revised Standard Industrial Classification and New Establishment Concept ${ }^{3}$

| $\begin{gathered} \text { Year } \\ \text { and } \\ \text { province } \end{gathered}$ | Estab-lishments | Manufacturing activity |  |  |  |  |  |  | Total activit: |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Production and related workers ${ }^{4}$ |  |  | Cost of fuel and electricitys | Cost of materlals and supplles used ${ }^{4}$ | Value of shipments of goods of 0 wn manufacture ${ }^{4}$ | Value added ${ }^{4}$ | Working owners and partners ${ }^{6}$ |  | Tots: employees ${ }^{7}$ |  | Total value addeds |
|  |  | Number | Manhours pald | Wages |  |  |  |  | Number | Withdrawals | Number | Salaries and wages |  |
|  | No. |  | '000 |  |  | \$'000 |  |  |  | 8.000 |  |  |  |
| Ontario .................................... | 5 | 26 | 51 | 63 | 2 | 96 | 205 | 109 | 6 | 26 | 27 | 65 | 113 |
| Quebec <br> Manltoba $\qquad$ | 3 1 | 25 | 49 | 46 | 2 | 174 | 281 | 105 | 5 | 16 | 29 | 63 | 106 |
| British Columbie ...................... | 2 |  |  |  |  |  |  |  |  |  |  |  |  |
| Totals | 11 | 51 | 99 | 109 | 4 | 268 | 485 | 214 | 11 | 43 | 56 | 127 | 218 |
| 1962 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Ontario ...................................... |  | 20 | 37 | 50 | 1 | 25 | 141 | 117 | 5 | 23 | 21 | 52 | 117 |
| Quebec <br> Manitobs | 3 | 29 | 61 | 63 | 3 | 221 | 354 | 141 | 5 | 18 | 33 | 77 | 141 |
| British Columbia ...................... | 2 |  |  |  |  |  |  |  |  |  |  |  |  |
| Totals ... | 11 | 48 | 88 | 113 | 4 | 248 | 494 | 258 | 10 | 40 | 54 | 129 | 258 |

See footnotes following Table 3, page 6.

TABLE 2. Shipments of Goods of Own Manufacture, 1962
Basis: Revised Standard Industrial Classlfication and New Establishment Concept ${ }^{1}$

| Description | Quantity | Value |
| :---: | :---: | :---: |
|  |  | \$000 |
| 1. Products: |  |  |
| Animal hadr. cleaned and dressed Wigs, toupees and switches | 62,093 | ${ }_{2}^{266}$ |
| All other products |  | 196 |
| 2. Amount received In payment for work done on materials and products owned by others |  | 32 |
| Total adjusted value of shlpments and work done |  | 494 |

${ }^{1}$ See Explanstory Notes.

- Included in "All other products"

TABLE 3. Shipments of Goods of Own Manufacture - All Industries, ${ }^{1} 1961$ and 1962

| Description |  | Value |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | 1961 |  | $1962^{\text {P }}$ |
|  |  | \$'000 |  |  |
| Wigs, toupees and switches |  | 176 |  | 332 |

Includes shipments from other industries which manufacture, as a secondary activity, the commodities listed above.

## MODEL AND PATTERN MANUFACTURERS, 1962

In terms of the New Establishment Concept, this industry is defined as comprising those "Establishments primarily engaged in manufacturing models and patterns of all materials".

For the 1962 survey, a change was made to the total activity approach as fully outlined in the Explanatory Notes contained at the end of this report. These total data were also collected in the 1961 survey, but were not published at that time. The principal statistics in Table $1 A$ reflect this increase in activity coverage, presenting both 1961 and 1962 figures.

During the carrying out of the 1962 survey, one establishment was classified to another industry be-
cause of a change in activity. The 1961 data, shown in Table 1A, have been reworked on this new basis and this factor accounts for the differences between these data and the comparable 1961 figures, presented in Table 1. On this revised basis, this industry showed not only an increase of three establishments from 1961 to 1962 , but also a markedly higher level of activity, again as shown in Table 1A. Table 2 gives the 1962 shipments of gools of own namufacture by this industry.

A list of the establishments classified to the industry in the 1962 survey will be found at the end of this report.

TABLE 1. Principal Statistics - Manufacturing Activity, ${ }^{2}$ 1957-61
Basis: Revised Standard Industrial Classification and New Establishment Concept ${ }^{3}$


See footnotes following Table 3, page 8.

TABLE 1 A. Principal Statistics - Manufacturing Activity and Total Activity, ${ }^{2} 1961$ and 1962 Basis: Revised Standard Industrial Classification and New Establishment Concept ${ }^{2}$

| $\begin{gathered} \text { Year } \\ \text { and } \\ \text { province } \end{gathered}$ | Estab-1ishments | Manufacturing activity |  |  |  |  |  |  | Total activity |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Production and related workers ${ }^{4}$ |  |  | Cost of fuel and electricity ${ }^{3}$ | Cost of materials and supplies used ${ }^{\text {® }}$ | Value of shipments of goods of own mant tacture ${ }^{4}$ | Value added ${ }^{6}$ | Working owners and partners ${ }^{6}$ |  | Total employees ${ }^{7}$ |  | Total value added |
|  |  | Number | Manhours pald | Wages |  |  |  |  | Number | Withdrawals | Number | Salaries and wages |  |
|  | No. |  | '000 |  |  | \$'000 |  |  |  | \$ 000 |  | \$'000 |  |
| Subec | 19 | 95 | 203 | 331 | 17 | 196 | 909 | 705 | 15 | 62 | 113 | 418 | 701 |
| Fatario | 57 | 476 | 1,020 | 1,946 | 58 | 1,586 | 6, 505 | 5,004 | 36 | 163 | 642 | 2,813 | 5, 051 |
| Sther provinces | 9 | 18 | 40 | 91 | 3 | 26 | 240 | 212 | 9 | 45 | 23 | 108 | 212 |
| rotals | 85 | 589 | 1,263 | 2,368 | 78 | 1,809 | 7. 654 | 5,921 | 60 | 270 | 778 | 3. 338 | 5,964 |
| Quebec | 20 | 121 | 262 | 454 | 18 | 257 | 1.150 | 880 | 15 | 105 | 141 | 547 | 874 |
| Ontarto | 59 | 482 | 1,087 | 2,107 | 62 | 1,820 | 7,371 | 5,529 | 37 | 164 | 623 | 2,998 | 5. 532 |
| Other provinces. | 9 | 19 | 39 | 92 | 3 | 31 | 257 | 221 | 8 | 51 | 25 | 111 | 221 |
| Totals. | 88 | 622 | 1,388 | 2, 853 | 84 | 2,107 | 8, 778 | 6. 631 | 60 | 320 | 789 | 3,657 | 6, 626 |

Bee footnotes following Table 3, page 8.

TABLE 2. Shipmeats of Goods of Own Manufacture, 1962
Besis: Revised Standard Industrial Classiflcation and New Establishment Concept ${ }^{2}$

| Description | Value |
| :---: | :---: |
| 1. Products: |  |
| Models and patterns: |  |
| Metal | 986 |
| Wood | 1.733 |
| Paper and other | 3.132 |
| Moulds | 2.514 |
| Dies ..................................................................................................................ano.0.0. | 123 |
|  | 197 |
| 2. Amount received in payment for work done on materials and products owned by others .................................................................. | 96 |
| Lans: alustment for value of sales taxes, excise duties and outward transportation charges which couid not be deducted from indivisitil commodity items described above $\qquad$ | (4) |
| Total adjusted value of shipments and worl done ..................................................................................................................... | 8,778 |

[^5]
## SMOKERS' SUPPLIES MANUFACTURERS, 1962

In terms of the New Establishment Concept, this industry is defined as comprising those "Establishments primarily engaged in manufacturing tobacco pipes and cigarette lighters".

For the 1962 survey, a change was made to the total activity approach as fully outlined in the Explanatory Notes contained at the end of this report. These total data were also collected in the 1961 survey, but were not published at that time. The principal statistics in Table I A reflect this increase in activity coverage, presenting both 1961 and 1962 figures.

Although there was only an increase of one estahlishment in this industry from 1961 to 1962, the general level of activity was most markedly increased. Table 2 gives the 1962 shipments of goods of own manufacture by this industry in minimum detail. This has been done in order that the more important data covering the 1961 and 1962 shipments, by all industries, of the principal products of this industry may be shown in Table 3.

A list of the establishments classified to the industry in the 1962 survey will be found at the end of this report.

TABLE 1. Principal Statistics - Manufacturing Activity, ${ }^{2}$ 1957-61
Basis: Revised Standard Industriai Classification and New Establlshment Concept ${ }^{2}$

|  | Year | Estab-lishments | Employees |  |  |  |  |  | Cost of fuel and elec. tricity ${ }^{4}$ | Cost of materials and supplles used ${ }^{4}$ | Value of shipments of goods of own manuPacture ${ }^{4}$ | Value added ${ }^{4}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Production and related workers ${ }^{4}$ |  | Administrative and office employees ${ }^{3}$ |  | Tota ${ }^{4}$ |  |  |  |  |  |
|  |  |  | Number | Wages | Number | Salarles | Number | Selaries and wages |  |  |  |  |
|  |  | No. |  | \$ 000 |  | \$'000 |  |  |  | \$ 000 |  |  |
| 1957 |  |  |  |  |  |  |  |  |  |  |  |  |
| 1958 |  | 12 | 78 | 220 | 51 | 194 | 129 | 414 | 15 | 1.321 | 1,979 | $9 \dot{4} \dot{2}$ |
| 1959 |  | 11 | 78 | 243 | 54 | 193 | 132 | 436 | 15 | 953 | 2,283 | 1,014 |
| 1960 |  | 11 | 85 | 254 | 55 | 200 | 140 | 455 | 18 | 887 | 1.996 | 1,034 |
| 1961 |  | 10 | 89 | 266 | 54 | 248 | 143 | 514 | 16 | 1. 105 | 2,322 | 1,188 |

See footnotes following Table 3, page 8.

TABLE 1 A. Principal Statistics - Manufacturing Activity and Total Activity, ${ }^{2} 1961$ and 1962
Basis: Revised Standard Industrial Classification and New Establishment Concept ${ }^{3}$


See footnotes following Table 3. page 8 ,

TABLE 2. Shipments of Goods of Own Manufacture, 1962
Basis: Revised Standard Industrial Classification and New Establishment Concept ${ }^{2}$


[^6]TABLE 3. Shipments of Goods of Own Manufacture-All Industries, ${ }^{1} 1961$ and 1962

| Description | 1961 |  | $1962^{\text {p }}$ |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Quantity | Value | Quantity | Value |
|  |  | \$'000 |  | \$'000 |
| Pipes ....................................... .......................................................................... doz. | 6,416 | 120 | 7.935 | 175 |
| Cigarette and clgar lighters, including autamotive.................................................... No. | 615, $889^{\text { }}$ | 1.048 ${ }^{\text {² }}$ | 743, 888 | 1,488 |
| L.ghter fuld .......................................................................................................... |  | 432 | ... | 332 |

${ }^{1}$ Includes shipments from other industries which manufacture, as a secondary activity, the commodities listed above.

STAMP AND STENCIL (RUBBER AND METAL) MANUFACTURERS, 1962

In terms of the New Establishment Concept, this industry is defined as comprising those "Establishments primarily engaged in manufacturing rubber and metal stamps and stencils".

For the 1962 survey, a change was made to the total activity approach as fully outlined in the Explanatory Notes contained at the end of this report. These total data were also collected in the 1961 survey, but were not published at that time. The principal statistics in Table 1A reflect this increase in activity coverage, presenting both 1961 and 1962 figures.

There was a slight increase of two in the number of establishments in this industry from 1961 to 1962 and this was accompanied by a similar modest increase in the general level of activity. Table 2 gives the 1962 shipments of goods of own manufacture by the industry.

A list of the establishments classified to the industry in the 1962 survey will be found at the end of this report.

TABLE 1. Principal Statistics - Manufactaring Activity. ${ }^{2}$ 1957-61 Basis: Revised Standard Industrial Classification and New Establishment Concept ${ }^{2}$


Bee footnotes following Tuble 3, page 8.

TABLE 1A. Principal Statistics - Manvfacturing Activity and Total Activity, 1961 and 1962
Basis: Revised Standard Industrial Classification and New Establishment Concept* ${ }^{*}$


[^7]TABLE 1 A. Principal Statistics - Manufacturing ctivity and Total Activity ${ }^{1} 1961$ and 1962 - Concluded

| Year <br> and <br> province |
| :--- |

See footnotes following Table 3, page 8 .

TABLE 2. Shipments of Goods of Own Manufacture, 1962
Basis: Revised Standard Industrial Classification and New Establishment Concept ${ }^{3}$

${ }^{1}$ See Explanstory Notes.

## STATUARY. ART GOODS. REGALIA AND NOVELTY MANUFACTURERS, 1962

In terms of the New Establishment Concept, this industry is defined as comprising those "Establishments primarily engaged in manufacturing statuary, art goods and novelties (except those of stone or concrete)".

For the 1962 survey, a change was made to the total activity approach as fully outlined in the Fxplanatory Notes contained at the end of this report. These total data were also collected in the 1961 survey, but were not published at that time. The principal statistics in Table 1A reflect this increase in activity coverage, presenting both 1961 and 1962 figures.

During the carrying out of the 1962 survey, one establishment was classified to anothet industry be-
cause of a change in activity. The 1961 data, shown in Table 1A, have been reworked on this new basis and this factor accounts for the differences between these data and the comparable 1961 figures, presented in Table 1. On this revised basis, despite a decrease of two in the number of establishments from 1961 to 1962, there was a marked increase in the level of activity, again as presented in Table 1A. The 1962 shipments of goods of own manufacture by the industry are presented in Table 2, whereas Table 3 gives the 1961 and 1962 shipments of "Artificial Christmas trees" by all industries.

A list of the establishments classified to the fodustry in the 1962 survey will be found at the end of this report.

TABLE 1. Principal Statistics - Manufacturing Activity. ${ }^{1}$ 1957-81
Basis: Revised Standard Industrial Classification and New Establishment Concept ${ }^{3}$


See footnotes following Table 3 , page 8 .

TABLE 1 A. Principal Statistics - Manufacturing Activity and Total Activity." 1961 and 1962 Basis: Revised Standard Industrial Classiffcation and New Estabilshment Concept ${ }^{2}$


See footnotes following Table 3, page 8.

TABLE 2. Shipments of Goods of Own Manufacture, 1962
Basis: Revised Standard Industrial Classification and New Establishment Concept ${ }^{2}$


[^8]TABLE 3. Shipments of Goods of Own Manufacture - All Industries, ${ }^{1} 1961$ and 1962

|  | Description | Value |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | 1861 |  | $1962^{\text {P }}$ |
|  |  |  | \$ 000 |  |
| Artificial Christmas trees |  | 355 |  | 422 |

${ }^{1}$ Includes shipments from other industries which manufacture, as secondary activity, the commodities listed above.

## UMBRELLA MANUFACTURERS, 1962

In terms of the New Establishment Concept, this industry is defined as comprising those "Establishments primarily engaged in manufacturing umbrellas and canes".

For the 1962 survey, a change was made to the total activity approach as fully outlined in the Explanatory Notes contained at the end of this report. These total data were also collected in the 1961 survey, but were not published at that time. The principal statistics in Table 1A reflect this increase in activity coverage, presenting both 1961 and 1962 figures.

There was no change in the number of establishments in this industry from 1961 to 1962, but there was a general increase in the level of activity as shown in Table 1A. The 1962 shipments of goods of own manufacture by this industry are shown in Table 2.

A list of the establishments classified to the industry in the 1962. survey will be found at the end of this report.

TABLE 1. Principal Statistics - Manufacturing Activity, ${ }^{1}$ 1957-61
Basis: Revised Standard Industrial Classification and New Establishment Concept"

|  | Employees |  |  |  |  |  |  | Cost of fuel and elec tricity ${ }^{\wedge}$ | Cost of materials and supplies used ${ }^{*}$ | Value of shipments of goods of own mant facture ${ }^{4}$ | Vulue added |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Estab-11sbments | Production and related workers ${ }^{4}$ |  | Administrative and office employees ${ }^{\text {a }}$ |  | Total ${ }^{4}$ |  |  |  |  |  |
|  |  | Number | Wages | Number | Salaries | Number | Salaries and Wages |  |  |  |  |
|  | No. |  | \$'000 |  | \$'000 |  |  |  | \$000 |  |  |
| 1957 | 9 | 121 | 201 | 30 | 113 | 151 | 314 | 12 | 680 | 1,184 | .. |
| 1958 | 8 | 108 | 187 | 23 | 120 | 131 | 307 | 10 | 609 | 1,125 | 528 |
| 1959 | 8 | 106 | 169 | 20 | 105 | 126 | 295 | 8 | 559 | 1,093 | 538 |
| 1960 | 8 | 91 | 194 | 23 | 137 | 114 | 331 | 9 | 539 | 1,064 | 529 |
| 1981 | 8 | 103 | 221 | 24 | 148 | 127 | 367 | 9 | 659 | 1,308 | 604 |

See footnotes following Table 3, page 8.

TABLE 1 A. Principal Statistics - Manufacturing Activity and Total Activity, 1961 and 1962 Besis: Revised Standard Industrial Classification and New Estabilshment Concept ${ }^{1}$

|  | Estab-lishments | Manufecturing activity |  |  |  |  |  |  | Total activity |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Production and related workers ${ }^{4}$ |  |  | Cost of fuel and elec- | Cost of materials and supplles used ${ }^{4}$ | Value of shipments of goods of own manufacture ${ }^{4}$ | Value added | Working owners and partners |  | Total employees? |  | Total value added ${ }^{\circ}$ |
|  |  | Number | Manhours paid | Wages |  |  |  |  | Number | With- drawals | Number | Selaries and wages |  |
|  | No. |  | '000 |  |  | \$"000 |  |  |  | \$'000 |  |  |  |
| Quebec |  | 74 | 146 | 166 | 6 | 480 | 893 | 374 | - | - | 132 | 287 | 448 |
| British Columbla | 3 | \} 29 | 56 | 55 | 4 | 180 | 415 | 230 | 11 | 11 | 37 | 130 | 231 |
| Totats. | 8 | 103 | 202 | 221 | 8 | 659 | 1,308 | 604 | 13 | $!$ | 169 | 427 | 678 |
| Quebec. |  | 88 | 151 | 171 | 7 | 449 | 873 | 479 | - | - | 98 | 287 | 542 |
| British Columble | $\frac{1}{3}$ | 30 | 80 | 61 | 4 | 236 | 478 | 240 | 11 | 11 | 42 | 133 | 241 |
| Totals | 8 | 88 | 211 | 232 | 11 | 688 | 1,351 | 720 | 11 | 4 | 140 | 420 | 783 |

See Table 2 and footnotes following Table 3, page 8.

TABLE 2. Shipments of Goods of Own Manufacture, 1962
Basis: Revised Standard Industrial Classification and New Establishment Concept ${ }^{2}$


1See Explanatory Notes.

## OTHER MISCELLANEOUS INDUSTRIES, 1962

In terms of the New Establishment Concept, this industry, which is a residual one, is defined generally as comprising those "Establishments which cannot be assigned to the revised Standard Industrial Classification'". These firms manufacture either a product, or products, not covered by a distinct classification, or a product, or products, that would be assignable to existing classifications were it not for their mixed mature. It should also be noted that, when the revised Standard Industrial Classification was implemented for the 1960 survey, two special groups of firms were trans?erred into this industry as follows: (a) establishments producing mainly gaskets of more than one material; ahid, (b) firms chiefly making folding doors out of more than one material. These transfers were aimed at bringing together in this industry most of the firms making specialized end products of many varied materials.

For the 1962 survey, a change was made to the total activity approach as fully outlined in the Explanatory Notes contained at the end of this report. These
total data were also collected in the 1961 survey, but were not published at that time. The principal statistics in Table 1A reflect this increase in activity coverage, presenting both 1961 and 1962 figures.

The implementation of the new approach in the 1962 survey, worked back to 1961 , led to certain revisions in the 1961 manufacturing activity principal statistics for this industry as a scrutiny of Tables 1 and 1 A will reveal. On this revised basis, there was not only an increase of four establishments from 1961 to 1962 , but also a marked increase in the level of activity, Table 1 A . In view of the residual nature of this industry, the table showing the breakdown of shipments of goods of own manufacture is not presented because to do so would, in most cases, reveal individual company information, Instead, the 1961 and 1962 shipments by all industries of the two commodities, mentioned in the first paragraph of this preface, have been shown in Table 2.

TABLE 1. Principal Statistics - Manufacturiag Activify, ${ }^{2}$ 1957-61 Basis: Revised Standard Industrial Classification and New Establishment Concept ${ }^{2}$

|  | Employees |  |  |  |  |  |  | Cost of fuel and electricity ${ }^{4}$ | Cost of materlals and supplies used ${ }^{4}$ | Value of shipments of goods of own manufacture ${ }^{4}$ | Value added ${ }^{4}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Estab-Lishments | Production and related workers ${ }^{4}$ |  | Administrative and office employees ${ }^{3}$ |  | Total ${ }^{4}$ |  |  |  |  |  |
|  |  | Number | Wages | Number | Salarles | Number | Salaries and wages |  |  |  |  |
|  | No. |  | \$'000 |  | \$ 000 |  |  |  | \$000 |  |  |
| 1957. | 60 | 1.897 | 4.729 | 479 | 2,255 | 2,376 | 6,984 | 222 | 8,355 | 20,995 |  |
| 1958. | 81 | 1,665 | 4.403 | 482 | 2.174 | 2.147 | 8. 576 | 256 | 8. 562 | 22,048 | 13,374 |
| 1959 | 57 | 1.745 | 4.845 | 531 | 2,547 | 2,276 | 7,392 | 264 | 9,292 | 24,198 | 14.912 |
| 4860 | 53 | 1,622 | 4.563 | 458 | 2,429 | 2. 078 | 6,992 | 202 | 9.126 | 22,654 | 13,330 |
| 1861. | 46 | 1. 563 | 4.494 | 380 | 2,044 | 1,943 | 6. 536 | 208 | 9,035 | 22, 023 | 13,030 |

See footnates following Table 3, page 8.

TABLE 1 A. Principal Statistics - Manufacturing Activity and Total Activity. 1961 and 1962
Besis: Revised Standard Industrial Classification and New Establishment Concept ${ }^{2}$


See footnotes following Table 3, page 8.

TABLE 2. Shipments of Goods of Own Manufacture - All Industries, ${ }^{2} 1961$ and 1962

| Description | 1981 |  | $1962{ }^{\text { }}$ |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Quantity | Value | Quantity | Value |
|  | No. | \$ 000 | No. | \$ 000 |
| Washers and gaskets, all kinds (excluding metal) | ... | 6,969 |  | 6.999 |
| Folding doors, all types.. | 149.414 | 2. 142 | 161.880 | 2. 321 |

${ }^{1}$ Includes shipments from other industries which manufacture, as a secondary activity, the commodities listed above.

List of Establishments. 1962
Artilicial Flowers and Feathers Manufacturers

| Name | Adtress |
| :---: | :---: |
| Quebec: |  |
| American Artificial Flower Co. Ltd. | 1485 Bleury St., Montreal |
| Bernard Perras .alowers Inc............ | 2181 St. Catherine St. E., Montreal 856 St. James St W. MontreEl |
| Decorative Art Flowers Inc, Ming. Co. Reged. | 856 St. James St. W.. Montreel |
| Empire Novelties \& Flowers Co. Inc. ........ | 263 Nazareth St. Montreal |
| Excell Feather Dyers ............... | 9774-57th Ave., Rivière-des-Pralries |
| French Feather \& Flower Co. Lid. | 3437 Park Ave., Montreal 4900 Louis Veulllot St, Montreal |
| G.G. Black \& Co. Led. Glamour Products Inc. | 4900 Louis Veuillot St., Montreal 408 St. Francols Xavier, Montreal |
| Glamour Products Inc. I\&P Leone Litd. | 408 St. Francols Xavier, Montreal 5144 St. Hubert, Montreal |
| K.P. Hollander Regod. | 3790 Marlowe Ave., Montreal |
| Lillian Novelties Mfg. Co. Ltd. | 1025 Bleury St., Montreal |
| Parislan Artifical Flowers Co. | 1187 Bleury St., Montreal |
| Plumes De Parls Ltée | 2101 St. Lawrence Blvd., Montreal 8975 Forbin Janson, Montreal |
| R. Nantel Salon Nadine Enrg. | 8975 Forbin Janson, Montrea 157 Breton Ave., Laval-des-Rapides |
| Vetcraft Shops ...... | 109 Giey Nuns St., Montreal |
| Ontario: |  |
| Ada Ingleson |  |
| Barnes Artificial Wreaths Canadian Foliage Co. Ltd | 263 Essex St., Sarnia <br> 18th St. \& 3rd Ave., Owen Sound |
| Creative Floral Crafts Ltd. | 241 Dovercourt Rd., Toronto |
| David Naylon Associates Ltd. | 252 King St. E., Toronto 2 |
| Decorative Flower Co. .i.er | 505 Eastern Ave. Toronto |
| Euronean Artificial Flower Co. |  |
| Eveline E. Page Ltd. <br> George Clark Feather Mfg. | 18th St. \& 3td Ave., Owen Sound 54 Westhrook Ave., Toronto 13 |
| National Floral Mfg. Co. | 61 St. James St. Waterford |
| Percy Brown ...... | 71 Sanford Ave, N., Hamilton |
| Regal Artilowers | 4340 Bathurst St. Downswiex |
| Shurbloom Bulb Co. of Canada | 1897 Jane St. (Weston) Toront |
| Wetcraft Shaps | Sumwhram hospleal, Torne: 55 Acioria Ale. (in! |
| Manitobe: |  |
| Van Kirk Decorating Co. |  |

# List of Establishments, 1962 - Continued 

 Artificial Ice Manufacturers| trune | Address |
| :---: | :---: |
| Nove Scolie: |  |
| Crowe's Ice Linited | 162 Vimy Rd.. Bible Hill, Truro |
| Digby County Ice Co. Letd | 144 Prince William St, Digby |
| MacConnell Ice Co. Ltd. | 686 Main St. Yarmouth |
| Novr Scotia Ice Co. Ltd. | 125 Barrington St., Halliax |
| New Brunswlck: |  |
| Crystal Ice Co. Ltd. | 5 Seaton St., Saint John |
| Moncton Ice Co. Ltd. | 165 Albert St. Moncton |
| Qaxbec: |  |
| Glace Brunelle Ice Enrg. | 4236 Notre Dame, Trols Riviêres, 0 |
| Hull Sanitary lce, ............. | 10 Amilerst, Hull |
| J. A. Thibault Leée ........ | 2760 Reading St., Montreal 22 |
| La Glace Frontenac Ltée | 45 Renaud Ave., Québec |
| Ontario: |  |
| Abso Pure Ice Ltd. | 15 Bristol St., Hamilton |
| Catarsct Ice Company . | 389 Park Stn, Niagara Falls |
| Delisile Ice \& Coal Co. $\qquad$ | 1590 Crawford Ave., Windsor |
| Empire State Ice Co, Ltd. (plant at New Toronto) ......................................................... | 8th \& Toronto Sts., New Toronto |
| Emplre State Ice Co. Ltd. (plant at Winds or) ..................................................................... | Michigan Centrai F.R. Yds., Sandwich W. |
| F.O. Boyle \& Sons Lid. | 3 Fourth St., Welland |
| Gordon's Ice ................ | 8 Augustus Rd., Cornwall |
| Lake Slmcoe Ice \& Enterprises Ltd | 10 Shomcliffe Rd., Islington |
| Ottawa Valley Ice \& Cold Storage | 381 James St., Pembroke |
| Purity Ice Co. Ltu. | 28 Mrikham St., Toronto 3 |
| Samia Ice Co, Ltd. | 350 N. Front St., Sarnia |
| Standaru Ice \& Coal Co. | 41 Ravine Rd, St. Catharines |
| Teal Bros. | 10 Cambrldge St. Crystal Beach |
| The Ottawa Ice Co. Ltd. | 387 Nicholas St., Ottawa 2 |
| Alberta: |  |
| Ohe Alberta Ice Co. Ltd, (plant at Calgary) | Riverside Di. \& 6A St. N.E., Calgary |
| Hritish Columbia: <br> Whater Ice Co. Ltd. Inland Ice \& Cold Storage Co. Itd. (Revelstoke plant) $\qquad$ <br> Inland Ice \& Cold Storage Co. Ltd. (Vernon piant). $\qquad$ <br> Southern tce Ltd. $\qquad$ |  |
|  | 4508-6th St. N.E., Calgary |
|  | Revelstoke |
|  | Vemon |
|  | Indian Reserve, Penticton |

Candle Manufacturers


# List of Establishments, 1962 - Continued 

Hair Goods Manufacturers


Fur Dressing and Dyeing Industry

| Name | Address |
| :---: | :---: |
| Quebec: |  |
| Feather Blending Co. (Canada) Ltd. Globe Fur Blending Co., Ltd. Goodman and George (Canada) Lid. Hollander and Son Lid. A. Maranda \& Labreque Liée Mudry Fur Cresser and Dyer Inc. Nu-Way Lambstín Processors Ltd. S.K. Fur Dressing \& Dyelng Litd, Super Fur Dyeing \& Blending Corp. | 4821 Rouen Ave., Montreal 4 <br> 3770 Henri-Julien St. Montres! I8 858 St. Reml St., Montreal 30 995 Wellington St., Montreal 3 180 Avenue Renaud, Québec 8540 - 9th Ave., Ville St-Michel 150 St. Ettenre St. L'Assompticit <br> 2115 St. Lawrence Blvd., Montreal 18 2137 Bleury St., Montreal 2 |
| Ontario: |  |
| Atlas Fur Tanning \& Dyeing Ltd. <br> Berman Fur Co. I. <br> Garma Tanning Ltd. <br> Reliable Fur Dressers and Dyers, (1960) Ltd <br> Universal Fur Dressers and Dyers, Ltd. | R.R. 1, Cookstown 271 College, Toronto <br> 104 Wate: 8t. N., Galt <br> 400 Richmond St. W., Toronto 2B <br> 121 Prescott Ave. Toronto 9 |
| Manitobe: |  |
| Cohn and Sons Litd. D. $\qquad$ Trans-Canada Fur Dressers and Dyers Led. | 560 McDermot Ave., Winnipeg Poplar Ave. and Levis St., Winnipes 5 |
| Alberta: |  |
| Briggs Furriers \& Tannery Led. Polar Fur Dressing $\qquad$ | 655 Brigge Ave., Calgary 12755-64th St., Edmonton |
| British Columbia: |  |
| B.C. Fur Dressers \& Dyers Lid. | 3877 Commercial Drive, Vancouver 12 |

Model and Pattern Manutacturers

| Name | Address |
| :---: | :---: |
| Quebec: |  |
| Allied Market (Canada) Ltd. | 5432 Iberville. Montreal |
| A, Lantamme Ltée ......... | 472 rue St. Henri, Montreal 3 |
| Associated Pattern Works Ltd. | 91 St. Jean Baptiste Blvd.. St, Philomeme |
| Belleville Woodwork Inc. ....... | 2049 Des Erables Ave., Plessisvilit |
| Canadian Shoe Pattern Co. Chateauguay Pattern \& Foundry Co. Ltd. | 9525 La Salle Blvd., Ville LaSall: |
| Crepin Shoe Potterns ...................... | Ste Philomàne Co. Châteruguay 279 rue de d'Etoile, Laval des kuputes |
| Eastern Pattern \& Model Makers Reg'd. | 2385 Jeanne D'Arc, Montreal |
| Electromould Engineering Reg'd. | 540 Beaudry St., Montreal |

# List of Establishments, 1962 - Continued 

 Model and Pattern Manufacturers

76 McCulloch Ave., Rexdale
220 Medland, Toronto 9
127 Manville Rd, Scarborough 99 Oakside St., London 1 A Thora A ve., Scerborough 65 Hamilton St., Goderich 1196 Westcott Rd., Windsor 29 Stafford St. Toronto 3 14 Verral Ave., Toronto 8 2466 Central Ave., Windsor 300 West St. S., Orillia 176 Princess St., Hamilton 74 Yorkvilie Ave., Toronto Pleasant Ridge Rd., Brantford 67 Lloyd St., Hamilton 98 Advance Rd., Toronto 18
Head St, Dundas
3900 Waiker Rd. Windsor
187 Church St., Toran to 2
2545 Doty Place. Windsor
57 Crockford Blvd., Scarborough
Sub. 18 Industrial Rd. Londion
362 Ellzabeth St., Guelph
28 Duke St., Toronto 2
100 Crockford Blyd, Scarborou gh Box 236, Sandwlch West. WIndsor 411 Niagara St. St. Catharines 1195 Westcoti Rd, Windsor 1195 westcotf Rd,
10 रueen Eilzabeth Blvd., Toronto
391 King St. E., Kitchener
2276 Frederica. St. Niagara Falls
Kingston Rd. W., Oshawa
84 Ontario St. Toronto 2 1196 Westcott Rd., Wind sor 69 Curlew Dr., Don Mills 170 Duchess St., Toronto 2 42 Alice St., Brantford 56 Esplanade St. E. Toronto 1 9 Woodycrest Dr., Guelph 241 Ottawa St., Kitchener 1646 Keele St., Toponto 15 31 Milford Ave., Toronto 15 145 Oakdale Rd., Downsview 486 Grays Rd., Hamillon 9 Woodycrest Dr., Guelph 80 Asher St., Welland 19 Jutland Rd., Toronto 18 Lombardy Rd.. Smith Falls 15 Mobile Dr.. Toronto 16 43 Raleigh Ave. Scarborough 7 Colborne St., Galt
528 Evans Ave., Toronto 14
25 Civic Rd., Scarborough
4 Gllead Place. Toronto 2
115 Tycos Dr., Toronto 19 88 Lynvalley Cres. Scarborough 76 McCulloch St. Rexdale

## Manttoba:

Winnones P'Ltern \& Mode! Warks

Aberth:

List of Establishments, 1960 - Continueis
Model and Pattern Manufacturers, - Concluiea

| Name | Address |
| :---: | :---: |
| British Columbla: |  |
| Adanac Pattern Works | 841 Royal Ave., New Westminster 1000 Parket St., Vancouvet 6 638 A Pembroke St., Victoria 1627 Garden Ave. N., Vancouver 20 Jackson Ave., Vancouver 222 Woodland Dr., Vancouvet 6 222 Woodland Dr., Vancouver |
| Fullerton Pattern Shod.. |  |
| Mutchins on Pattern Shop ........... |  |
| Lindsay Models \& Metalcrafts Ltd. |  |
| Maple Leaf Pattern Works Ltd, ...... |  |
| Pacifle Pattern Works Lid. |  |
| West Coast Pattern Shop... |  |

Smokers * Supplies Manulacturers

| Name | Address |
| :---: | :---: |
| Quebec: |  |
| Belanger \& Frere Enrg. <br> Frank Cesari <br> Paradls \& Paradis Enrg. <br> Superior Production | 2341/2 rue Anna, Quebec <br> 7825 Outremont Ave., Montreal 15 <br> 116 Dosquet, Ste-Foy <br> 77 St, Louls Terrebonne, Cté Terrebonne |
| Ontario: |  |
| Brigham Pipes Ltd. Canada Lighter \& Plastics Ltd. Canadlan Chentlle Co. Ltd. Cuno Lighter Co. Ltd. Ronson Products of Canada Ltd. Zippo Mfg. Co. of Canada Led. | 121 KIng St. W., Toroato 95 Sheppard Ave. W., Whlowdale 310 Spadina Ave. Toronto 2 B 938 Walker Rd., Windsor 66 Ronson Dr., Rexdale 2152 Allen Ave., Niagara Falls |
| Eritish Columbin: |  |
| Leonard Payne Ltd. | 10435 Thans-Canata Highway. Whalley |

Stamp and Stencil (Rubber and Metal) Manufactiters

| Name | Address |
| :---: | :---: |
| Nova Scotim: |  |
| London Rubber Stamp Co, Ltd, | 38 Argyle St. Halliax |
| Quebec: |  |
| A. Accelerate Engravers | 400 St. James St. W., Montreal |
| A. Derome \& Cle Enrg. | 455 rue St. Sulplce. Montreal |
| Art Rubber Stamps Mig. Co. | 1199 Bleury St. Montreal |
| Dismas Society | 4800 Decarle Blvd., Montreal |
| Dominion Marking Devices Lid. | 1015 Bleury St ., Montresl |
| Estampe Larex Enrg. . | 16 Vitre E., Montreal |
| Geners! Engraving Inc. | 2 Larochelle Ave., Levis |
| Hayes Stamp of Stencil | 8815 Lajeunesse St., Montreal 11 |
| London Stamp \& Stercil Co. Lid. | 4375 Tberville St., Montreal 34 |
| M. Lucien Aube ........................ | 746 rue Racine, Quebec |
| Markrite of Canada, Inc. ....... | 648 Wellington St. Montreal |
| Montreal Marking Devices Lid. | 644 Lagauchetiere W.. Montreal |
| Montreal Rubber Stamps Reg'd. | 6959 Des Ecores, Montreal 36 |
| Montreal Stencll Works Ltd. ... | 687 St. Paul St. W., Montreal |
| Walker \& Campbeli Reg ${ }^{\text {d }}$, | 620 Lagauchetlere St. W., Montreal |
| W. D. Armstrong \& Co. Lid. | 651 Notre Dame St. W., Montreal 1 |
| Ontarlo: |  |
| Art Stamp \& Seal Co. | 120 Church St. Toronto |
| Barnard Stamp et Stencil Ltd. | 8 George St., Hismllton |
| Bernard Cairns Letd. ............... | 134 Rtchmond St. W.. Toronto |
| Canada Stamp et Stencil Co. Ltd. | 74 Dundas E., Toronto 2 |
| Capltal Stamp Stationery Co. Itd. | 465 Gladstone ave.. Ottawa 4 |
| Comet Engraving Co. | 480 Guelph Line. Burlington |
| C.W. Mack Co, Lrd. | 86 Richmond St. E., Toronto |
| Delta Engravers ........ | 856 Ricbmond St. W., Toronto 3 |
| Dominion Name Plates Lid. | 24 McGee St., Toronto 8 |
| Embree Industrles Ltd. | 151 Birge St., Hamilton |
| Essex Stamp Co. Ltd. | 136 Ferry St., Wiodsor |
| Etched Name Plates Lid. | 2202 Gerard St, E., Toronto 13 |
| Hamliton Match Plate Co. | 265 Lottridge St., Hamdlton |
| Howard Die Worka | 338 Somerset St. W.. Ottawa 4 |
| John Hrab Mfg. Ltd. | 14 Jeavons Ave., Scarborourti |
| Lane Stamp e Stationery | 937 Vlctoria Ave. Nlagara Fializ |
| Marlynn Specialtles | 154 Gloucester, Midland |
| Metro Rubber Stamp M18. | 600 Bey St., Toronto 2 |
| London Stamp e Stencll (Ontario) Ltd. | 496 Gllbert Ave., Toronto 10 |
| Ottawa Rubber Stamp Engraving Lid. | 43 Besserer St., Ottawa 2 |
| Ontario Stamp \& Printing Co. ...... | 362 Bathurst St., Toronto 2 B |

List of Establishments, 1962 - Continued
Stamp and Stencil (Rubber and Metal) Manufacturers, - Concluded

| Name | Address |
| :---: | :---: |
| Ontario - Concluded: |  |
| Patterson \& Heward | 319 Klng St. W., Toranto 28 |
| P.R. Mack \& Son Ltd. | 91 Yonge St. , Toronto |
| Sterling Marking Products Ltd. | 74 Canting St. W., London |
| Superior Craftsmen Rubber Plates Ltd. | 18 Haymarket St., Hamilton |
| Super-Service Rubber Piate Co. Ltd. ... | 66 Fraser St. Port Coiborne |
| Supreme Rubber Stamp Co. .......... | 1112 Queen St. W., Toranta 3 |
| The Pritchard-Andrew Co, of Ottawa Lid. | 264 Spaples St., Ottawe 1 |
| The Stanley MPg. Co, Ltd. | 230 Bartley Dr., Toronto 16 |
| Thistie Rubber Type Works | Sombra |
| Toronto-Name Plate \& Mfg. Co. Ltd | 35 Six Point Rd. Toronto 18 |
| Toronto Stamp \& Stencll Works Ltd. | 137 Church St, Toronto 2 |
| Trans Canada Stamp \& Marking Devices Lid. | 1034 Pape Ave., Toron to 6 |
| Warwick Marking Products Ltd. | 482 Belmont Ave. W., Kitchener |
| Wm. L. Barthau | 23 Scott St. . Toronto |
| Wright Rubber Stamp Co. | 130 Pearl St. Toronto 4 |
| Manitobar: |  |
| Canadian Rubber Stamp Ltd. | 324 Smith St., Winnipeg |
| George Bromelow \& Son ....... | 73 Albert St., Winnipeg 2 |
| Mapie Leaf gtamps \& Stencil Itd. | 470 Main St., Winnipeg |
| Manltobs Stencll \& Stamp Works Ltd. | 494\% Maln S\%., Winnipeg |
| Sashatchewan: |  |
| O. K. Matking Devices Lid. Rose Marking Devices Litd. | Davin Blk., Hamilton Bx., Regins 150B-2nd Ave N., Saskatchewen |
| Alberta: |  |
| $\therefore$ Iberta Stamp \& Marking Co. Etgary Stamn \& Stencll Lid. Jou!'s Rubber Stamn Co. Tre stumothon Siable Eant | 10654-82 Ave. Edmonton 522-6th Ave. Calgery 9658 B Jasper Ave., Edmonton i0127-102nd St. S., Edmonton |
| Tritisit Dat twintat |  |
|  Colloton Stamp Works | $\$ 81$ Richards St., Vancouver 3416 East 4th Ave., Vancouver |
| Interior Stamp Co. .. | 1449 Ellis St., Kelowna |
| Mr. W. Bromilow | 837 Handiton 8\%. Vancouver 3 |
| Smith Marking Devices Litd. | 15 East Broadway, Vancouver 10 |
| Superior Stamp \& Stencll Co. Ltd. | 1618 East Hastlngs St., Vancouver 6 |
| The George H. Hewitt Co. Ltd. | 944 Pichard 8t., Vancouver 2 |
| Treleaven Mfg. Co. ........ | 291 \%3 Rosd, Richmond |
| Western Stamp Works | 346 West Eroadway, Vancouver 10 |

Statuary, Art Goods, Regalia and Novelty Manufacturers

| Name | Address |
| :---: | :---: |
| Quebec: |  |
| A. Barsetty \& Manucci Inc. Ad-Craft Limited | 381 - 21 ène Rue, Quebec 20 Betes Rd., Montreal 26 |
| Adelard Prevost Inc. | 165-81ame Ave., Quebec |
| Artisanat Renei Enr'g. .itd | 8711 - 81 ème Ave., Ville St. Michel |
| Badge \& Speclaity Co. Ltd. .................................................................................................... 389 St. Paul St. W., Montreal 1 |  |
| Bernardl \& Nierl ..... | 1289 Malsonneuve, Montreal |
| Chez Theodote Errg. ......................................................................................... 574 rue Pere Grenier, Quebec |  |
|  |  |
|  |  |
| Edwin C. Ford Reg'd. $\qquad$ 1191 Union Ave., Montreal <br> 2407 Notre Dame East, Montreal 24 |  |
|  |  |
|  |  |
| H.B. Tompkins \& Son Lid. ....................................................................................... 733 Versalles St., Moztreal |  |
|  |  |
| 3. Guardo Statuary Reg'd. .............................................................................................................. 963 Rachael St. En, Montreal 34 |  |
|  |  |
| i: Malson Du Cadean Zerbini Inc. .............................................................................. $1650 . .$. |  |
|  |  |
|  |  |
|  |  |
| L.uror Novelty CO. .................................................................................................................... 1250 St. Alexander St. Montreal 28 |  |
| M. Denis Gegnon | Lec au Saumon |

List of Establishments, 1962 - Continued
Statuary. Art Goods, Regalla and Novelty, Mmefacturers - Concluded


Unbrella Manufacturers


LIst of Establishments, 1962 - Concluded
Umbrella Manufacturers - Concluded


Other Miscellaneous Industries

| Name |  |
| :--- | :--- |
|  |  |

## Alberta:

Prudhem Specialtes Lid.
7915-104 8., Edmontom

## British Columble:

Pary Dlal \& Nameplate

## EXPLANATORY NOTES

I'his report is one in a series of about 140 publications which present the results of the 1962 Census of Manufactures. Most reports in this series refer to specific industries, but there are summary reports for Canada and the provinces and special reports on geographical distribution and on type of ownership and size of establishments.

With the publication of the results of the 1962 Census of Manufactures, the Bureau has completed a major revision in the classification and concept of its annual census of manufacturing establishments. Because of its size and complexity, this project had to be carried out in three stages. The first stage was the change in classification and the results of the 1960 Census, together with the re-compilation of the 1957, 1958 and 1959 Censuses were published in the 1960 reports on the basis of the revised Standard Industrial Classification. This part of the project was confined entirely to a re-coding of existing reporting units. The second stage consisted of the implementation of the new definition of the reporting unit i.e. "establishment" as it applied to manufacturing activities of manufacturing establishments (See following note on "Establishment"). Results of the 1961 Census reflected this change in concept and, in order to provide comparability of data for recent years, the 1961 reports contained principal statistics on the basis of the new establishment definition for years back to 1957.

The third stage which was the extension of the definition of the establishment to cover total activities of manufacturing establishments is reflected in the statistics for 1961 and 1962 contained in this report. This full implementation of the new definition of the establishment has resulted in an extension of the data to non-manufacturing activities of manufacturing establishments and in additional changes in the 1961 statistics of manufacturing activities. Statistics on manufacturing activities will continue to be shown separately as in the past but, beginning with 1961, data on all operations (total activity) of manufacturing establishments will also be given. By definition "'total activity" relates to all operational data and excludes such non-operational items as rent, interest and dividends. In addition, statistics on man-hours paid will be included as part of the regular series of industry statistics. For many industries, adjustments and revisions were made to the 1961 data on manufacturing activities which were published during the second stage to bring them in line with reporting procedures followed in the 1962 Census and to reflect the final application of the new concept. The 1961 statistics on manufacturing activities contained in this report are thus not entirely comparable with those published in the 1961 reports. However, the 1961 statistics are shown in this publication in both their original and revised forms in order to provide a link with the immediate past. A more complete account of recent changes and additions and brief descriptions of the principal industry statistics are given in following sections of these notes.

## Standard Industrial Classification

The revised Standard Industrial Classification which was introduced with the 1960 Census of Manufactures and applied to the results of the 1957 . 1958 and 1959 censuses provides for a breakdown of the manufacturing universe into 140 industries arranged in 20 major groups. Custom Tailoring Shops is the only industry class in the Manufacturing Industries Division of the classification which is not covered in the annual Census of Manufactures. It is surveyed as part of the Decennial Census of Merchandising and Service Fstablishments. Of the 140 "three-digit"' industry classes in the Manufacturing Industries Division, 21 are further broken down into 67 "four-digit" sub-classes. With the exception of the Wood Preservation and Sound Recording industries, the figures for which are at present confidential and have to be included with those of related industries, the statistics for all of the "four-digit" sub-classes are published regularly. Thus, at the Canada level, principal statistics are compiled for 183 industries. These cannot all be published separately by province because of the confidential nature of the data in certain provinces.

Reporting establishments are classified or allotted to specific industries in the classification system on the basis of the value of principal products made or shipped. In general, establishments primarily engaged in repair work (Shoe Repair Shopst, Motor Vehicle Repair Shops etc.) are not include: in manufacturing industries. Exceptions are éstablishments primarily engaged in furniture, ship. boat. aircraft and railroad rolling stock repairs which are classified to the manufacturing industries producing the products involved. Establishments primarily engaged in assembling parts into complete units have always been included in manufacturing industries.

Full details concerning the revised classification system are contained in the Standard Industrial Classification Manual, Catalogue No. 12-501, which is available from elther the Queen's Printer or the Dominion Bureau of Statistics.

It should be noted that two new industries (Poultry Processors and Dental Laboratories) and three new groups of establishments (book publishers in the Publishing Industry, electro-plating establishments in the Metal Stamping, Pressing and Coating Industry and prescription branches in the Ophthalmic Goods Manufacturers Industry) have been included in the 1961 (revised) and 1962 Census statistics and will continue to be included thereafter. They were surveyed for the first time in the 1960 Census (1961 Census in the case of prescription branches) in line with the revised classification but, since they did not represent new production, they were removed from the 1960 and 1961 compilations published in the 1961 Census reports in order to provides complete comparability of data over the periond 1957-61. Statistics for this period are repeated in the 1962 reports to supply a link with the revised 1961 data and the new 1962 statistics.

## Establishment

The reporting unit in the Census of Manufactures is the establishment. The majority of establishments aro firms, but many firms have more than one manufocturing establishment. Such firms are requested to submit a separate Census of Manufactures report for each manufacturing establishment which can meet the reporting requirements described below.

Beginning with the 1961 Census of Manufactures the establishment is defined as follows:
"The smallest unit which is a separate operating entity capable of reporting all the following principal statistics:

Materials and supplies used,
Goods purchased for resale as such,
Fuel and power consumed,
Number of employees and salaries and wages, Inventories,
Shipments or sales."
Following is a description of the main features of the new establishment concept introduced in the 1961 Census, how they differ from those of the old "aclivity" concept and the steps taken to correct for breaks in continuity.
(a) The establishment is to be distinguished from smaller subdivisions or departments which do act have records that permit them to report all items :qguired of an establishment. Prior to 1961, some astablishments were required to submit two or more saparate reports when they were engaged in activities Which were classifiable to different industries. Beginning with 1961, separate reports for such activities are required only in cases where accounting records can provide the necessary input and output elements of principal statistics. Special reporting arrangements were made with respondents when the acceptance of combined reports would have seriously affected the statistics for particular industries or areas. Where continuity of industry statistics was affected by this change in reporting procedures; adjustments to the data were made back to 1957 in order to maintain comparability of the series for recent years. ${ }^{1}$
(b) A manufacturing establishment is typically a factory, mill or plant principally engaged in manufacturing activities. Prior to 1961, the Census of Manufactures attempted to cover the manufacturing activities of all establishments, whether or not they were primarily engaged in manufacturing. Beginning with the 1961 Census, establishments (accounting entities) which are not primarily engaged in manufacturing are no longer included as manufacturing establishments in the basic industry statistics. ${ }^{1}$

[^9]Again, adjustments were made to reflect the removal of such reporting units for the period 1957-60. These reporting units are now listed as establishments in other Bureau surveys, such as Wholesale Trade, Construction etc. This has resulted in a somewhat smaller universe represented by the Census of Manufactures. In terms of overall 1960 Census results, the number of establishments transferred to other industries totalled 2,786 or $8 \%$ but these represented only $0.7 \%$ of total employment and of total value of shipments of manufactured products. In order, however, to maintain complete coverage of certain commodity items produced mainly in manufacturing establishments, many non-manufacturing establishments are now surveyed by the Industry Division for commodity shipments only and the latter are included in those tables of industry reports showing shipments of certain commodities "from all industries".
(c) A manufacturing establishment may be, and often is, engaged in other activities in addition to its principal manufacturing activity. Prior to 1961 the main emphasis in the Census of Manufactures was on manufacturing activity. Beginning with 1961 , each establishment reports on all the activities carried out within its accounting boundaries (except income from investments such as rent, interest and dividends) and data on different activities (manufacturing, trading in goods not of own manufacture, construction by own labour force, revenue from services etc.) are requested separately. However. the statistics published in the 1961 reports were confined to manufacturing activity only in order to maintain comparability with previous years and to permit a more thorough audit of the new data. The 1962 reports contain principal statistics on total activities of manufacturing establishments for 1961 and 1962 with the main elements of manufacturing activity shown separately as in the past. It should be noted that the statistics for separate activities are not completely consistent. Some respondents cannot distinguish in their records materials, shipments and inventories relating to own manufacturing activities from those relating to goods not of their own manufacture or to other activities and can report operational data in total only under manufacturing activity. This situation has always existed, however, and is not considered important enough to invalidate the use of the data in the measurement of manufacturing as an "activity". The values assigned by the respondent to materials and shipments of own manufactured goods include costs in varying degrees that relate to internal (to the establishment) transportation, warehousing and selling activities, but it is not possible to make adjustments to arrive at a uniform valuation for manufacturing activity only; although valuation at the establishment "boundary" must be accepted, the items valued under manufacturing activities still relate, in most cases, to "goods of own manufacture". In the case of employment only data on manufacturing production workers and manufacturing man-hours can be assigned, in total, to manufacturing activity; administrative and office employees can seldom be allocated to separate activities.

Complete consistency, therefore, can be obtained only at the "all operations" (total activity) level, and for studies or statistical measures requiring accurate co-ordinated data, the "total" statistics should be used.
(d) Additional changes resulted from intensive editing and follow-up consistent with the introduction of the new concept. An example of such changes is the provision for the elimination, in total, of sales taxes and outward transportation charges from value of shipments. Prior to 1961, although the value of shipments for each product was requested excluding taxes and transportation charges, no allowance had been made for the reporting of these ilems in total when the respondents' records did not permit their deduction from the values of the individual products. Another example is a change in the valuation of shipments where, prior to 1961, a manufacturing company operating warehouses or sales outlets was reporting value of shipments in terms of an estimated manufacturer's price in accordance with the old activity concept, even though his records were not kept on this basis. Since the accounting boundary in such cases extends to distribution operations, the respondent was instructed in 1961 to report shipments at the final selling price in order to obtain more realistic and accurate data. ${ }^{2}$ Adjustments were made to the value of shipments for the period 1957-60 to reflect such changes and maintain continuity of the shipments data. Since no actual data to make these corrections were available for back years, 1961 adjustment ratios were applied to the previous years for each industry affected, on the assumption that the valuation changes in 1961 applied in equal proportions to the preceding period. ${ }^{3}$
(e) The new concept also demands that inventories held apart from plant be included with plant inventories if establishment boundaries extend to warehouses and sales outlets. Prior to 1961, compilations took into account only the inventories held at plant. In this case, however, most of the missing data were available from supplementary questions in the Annual Census and from the Monthly Inventories and Shipments Survey and actual corrections could be made for previous years.

[^10](f) Prior to 1961 the Census of Manufactures did not have complete coverage of head and administrative offices and had never surveyed separate sales offices, warehouses or laboratories operated by manufacturing firms. Beginning with the 1961 survey, complete coverage of these auxiliary units was effected. In the past the enployment and salaries and wages of those head and administrative offices that were surveyed were either coded in total to the industry in which the greatest portion of the company's manufacturing activities was classified or else, in the case of certain large multi-unit firms with establishments in several industries, were pro-rated among the different industries involved. In the original 1961 statistics published in 1961 reports, the same coverage and treatment of head offices was applied to maintain comparability over the 1957-61 period. Beginning with the revised 1961 statistics, all head offices and auxiliary units are covered and are processed according to the methods described below.

## 1. Single-Establishment Companies

In the great majority of cases central administrative and executive personnel of companies consisting only of one establishment are generally located at the site of the manufacturing plant and are automatically included in the plant reports. Where head offices and auxiliary units are geographically separate from plant locations and employ a sizeable number of workers they are surveyed on special questionnaires.

Separately located head offices, saies offices, administrative offices and other separate auxiliary units (laboratories, warehouses, etc.) do not usually constitute separate estahlishments ${ }^{4}$ for purposes of industry statistics since they do not normally generate operational revenues but give rise only to costs of operation (mainly salaries and wages) which make up part of the selling price of manufactured products and which are thus included in the value of shipments or sales. Where such units belong to single-establishment companies, they will be considered as extensions of the establishment's boundaries and their operations consolidated with the establishment's total activity.

## 2. Multi-Establishment Companies

In the case of companies with more than one establishment the following rules are applied:
(i) Where all the establishments of a company are classified to the same (three-digit) industry, the head office and other auxiliary units are coded to that same industry.
(ii) Where the establishments of a company are not all classified to the same (three-digit) industry but are coded to different industries, or industries in different industry groups or even different divisions

4 See footnote 2 for exceptions.
of the Standard Industrial Classification, the inclusion of data for head office and auxiliary units in any one of the (three-digit) industries concerned would distort the relationship between items of principal statistics. In such cases, the auxiliary units are coded at the group (two-digit) level in tabulations of industry statistics. Where multi-establishment companies cut across group or major division lines of the Classification, the head office and auxiliary units will be coded to the (two-digit) industry group in which the major part of the company's operations are classified. Although this may result in some distortion of (two-digit) industry group statistics it will eliminate distortion within groups as it will leave statistics at the (three-digit) industry level free of these company-wide data.

## Period Covered

Respondents are asked to submit figures for the calendar year, if at all possible, and most reports are on this basis. Financial year reports for periods differing from the calendar year are accepted in instances where respondents find it impossible to supply calendar year data from accounting records. However, the data on employees, salaries, wages and man-hours are requested on a calendar year basis in all cases.

When establishments are operated for only a portion of a year, a report is required covering the period of operation.

## Working Owners or Partners

Beginning with the revised 1961 statistics working owners and partners of unincorporated businesses are shown as a separate category in the principal statistics and are neither included in the number of employees nor in salaries and wages; there is some duplication in numbers when a person owns more than one establishment and is reported as a working owner on each census return. In all previous reports of the Census of Manufactures these workers were included as part of the number of administrative and office employees and their withdrawals were included as part of salaries. Withdrawals are defined as amounts withdrawn by owners or partners for normal living expenses, excluding withdrawals for payment of income tax.

## Number of Establishments

The number of establishments represents the number of operating units (accounting entities as per the new definition of the establishment) for which separate reports are submitted. Head offices located apart from establishments and which are surveyed separately and separate sales and administrative auxiliaries that are treated as extensions of manufacturing activities are not included in the establishment count. However, the operational statistics (employment, salaries etc.) of such euxiliary units which are coded at the "three-digit"
level are included in the principal statistics of industries coded at the same level; those units coded at the "two-digit" level are included with the statistics for groups of industries.

## Employees

As noted above, the number of working owners and partners are excluded from the number of employees, beginning with the revised 1961 statistics. This change brings the definition of "employees" in the Census of Manufactures in line with that of "employees" in the Bureau's monthly Employment Survey and with that of "paid workers" in the Bureau's Labour Force Survey. For purposes of historical comparisons, the number of working owners and partners should be added to total employees (beginning with the revised 1961 data) in order to correspond with the figure of "total employees" published in previous reports concerned with the Annual Census of Manufactures.

In addition to production and related workers engaged in manufacturing activities, total employees include administrative, office, sales and distribution workers as well as any production workers employed in non-manufacturing activities such as construction undertaken for the use of the establishment by its own employees (when these are treated as a separate work force) or logging (mostly in connection with sawmills or planing mills). Number of employees represents as closely as possible equivalent annual full-time employment. Adjustments are made when reported figures indicate the existence of part-time or seasonal employment.

Administrative and office employees include all executive and supervisory officials such as presidents, vice-presidents, controllers, secretaries, treasurers etc., together with managers, professional, technical and research employees, superintendents and factory supervisors above the working foreman level, and clerical staffs. Also included are employees in activities such as advertising, credit collections, purchasing, personnel, legal, medical etc. Sales and distribution workers include office personnel whose salaries are charged to selling expense, travelling salesmen, driver salesmen, truck drivers and their helpers, etc. They exclude persons working on a commission basis who are not considered regular employees.

Production and related workers in manufacturing activities include, in addition to those engaged in processing and assembling, those employed in storing, inspecting, handling, packing, warehousing, etc. They also include employees in related activities such as maintenance, repair, janitorial and watchman services. Working foremen doing similar work to that of employees they supervise are also included. Production workers employed in nonmanufacturing activities such as construction undertaken for the use of the establishment, logging
employees of outside piece-workers employed in certain industries are excluded from the number of production and related workers but are part of the total number of employees in those industries.

Production and related workers are reported as those receiving pay during the last pay period of each month, an average for the year being obtained by summing the monthly figures and dividing by twelve. This procedure is followed even though the plant did not operate in all months in order to derive equivalent annual full-time employment. The numbers are somewhat affected by turn over, in that employment is overstated when an employee changes employment within the same industry during a pay period. Other categories of workers are reported in the form of annual averages. Figures on employment and man-hours refer to the calendar year whether or not some establishments report other data on a financial year basis.

Man-hours of production and related workers in manufacturing activities represent total man-hours paid (total hours at work during the calendar year plus hours not worked but nevertheless paid for, such as paid vacations, sick leave, statutory holidays etc.). In reporting overtime hours, respondents are requested to report only hours actually at work. It should be noted that the division of hours paid into production and related workers payrolls results in average hourly earnings and does not represent hourly wage rates which are collected and published by the Department of Labour and which are based on selected occupations.

## Salaries and Wages

Salaries and Wages refer to gross earnings of the employees described above, before deductions for income tax and employets' contributions to social services such as sickness, accident and unemployment insurance, pensions etc. They include all salaries, wages, bonuses, profits shared with employees, the value of room and board where provided, commissions (paid to regular employees only), as well as any other allowance forming part of the workers' earnings. Payments for overtime are included.

Wages refer to amounts paid to production and related workers engaged in manufacturing operations as defined above. Salaries refer to amounts paid to all other categories of employees including relatively small numbers of production workers engaged in construction and extractive operations or who are employed as outside piece-workers. Figures on salaries and wages refer to the calendar year whether of not some establishments reported other data on a financial year basis.

## Fuel and Electricity

Figures for fuel refer to amounts actually used (including fuel used in cars, trucks, locomotives etc.) not to purchases unless the quantities are
substantially the same. Any fuel and electricity produced by establishments for intemal consumption are not included in the total cost. Values represent laid-down cost at the establishment includins freight, duty etc.

## Materials and Supplies

(a) Used in manufacturing activities. Figures represent quantities and laid-down cost values, at the establishment, of materials, supplies and purchased components owned and used during the year in manufacturing activities and related processes. The statistics represent only commodity items or physical goods (costs of services or overhead charges such as advertising, insurance, depreciation etc, are not included) whether purchased from others of received as transfers (in the form of materials, components or semi-processed goods) from other establishments of the reporting company. Respondents are required to report materials and supplies used not purchased. Included are maintenance and repair supplies not chargeable to fixed assets accounts and any amounts chatged by other establishments for work done on materials owned by the reporting establishment. Cost of repairs or maintenance done by outside contractors and cost of returnable containers are not included.
(b) Purchases for resale as such. Figures represent the cost of materials or products purchas d from others by the reporting establishment (at received as transfers from other establishments of the reporting company) for re-sale as such in the same condition as purchased. Included are any finished products received on consignment from other countries.
(c) Other materials and supplies used. Figures represent the cost of materials and supplies, if any, used in new construction and in the production of machinery and equipment (for the use of the reporting establishment) by the establishment's own employees. Included are materials used for any capital repairs and alterations carried out by the establishment's employees. Value of construction and repair work done by outside contractors is not included nor is the cost of purchased machinery and equipment. Also included is the cost of office supplies not chargeable to fixed assets accounts and the cost of such other items of materials and supplies used as food, beverages and supplies for establishmentoperated cafeterias and lunch counters, first aid medical supplies, laboratory supplies etc.

## Shipments

In general the figures represent revenue frot: all production, sales, services and related activitios of reporting establishments. Non-operating revenues such as rent, interest and dividends and the sale uf used fixed assets are excluded.

## (a) Shipments of goods of own manufacture

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

All products and by-products of own manufacture shipped from the establishment are covered, including transfer shipments to sales outlets, distributing warehouses or to other manufacturing plants of the reporting firm when such units are treated as separate establishments. (See notes on "Establishment").

Such shipments are net of returned goods, and value figures at the establishment exclude discounts. returns, allowances, sales taxes and excise duties, returnable containers, and charges for outward transportation by common of contract carriers. Transportation or delivery expenses incurred by the reporting establishments' own carriers are not deducted.

The unsold portion, at year-end, of consignment shipments in Canada, is treated as inventory and not as shipments, but all shipments to foreign countries, for which form B. 13 "Customs Canada, Fxport Entry" has been completed, are treated as 3nipuredis.
is four industries, viz. Fabricated Structural intal incustry, Aircraft and Parts Manufacturers, Fiailroad Rolling Stock Industry and Shipbuilding and Repair, where work on principal products extends over a relatively long period, the value of production, rather than the value of shipments, is recorded. For these industries value of production is computed from the value of deliveries of complete units during the year plus the value of work done during the year on unfinished units less the value of work done in previous years on units delivered in the year under review. Adjustments to the value of shipments are also made for firms in these industries and in some other industries which operate on the basis of progress payments. The latter are treated as sales and not as inventory, so that for firms which use a progress payments account, an adjustment to the value of shipments is made for the net change in this account during the year.
(b) Shipments of goods not of own manufacture

These figures represent the net selling value at the establishment (less discounts, returns, allowances, sales taxes and excise duties and transportation charges by common or contract carriers) of all products or materials (including products transferred from other establishments of the reporting firm) sold as such in the same condition as purchased or received as transfers. For those industries which ship goods on a rental basis value of shipments represents the book value of 3uch goods. All sales of consignment goods from other countries are included.

## (c) Other revenue

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

## Inventories

## (a) Manufacturing inventory

Values represent the book value of manufacturing inventory owned in Canada. The value of inventory held for which progress payments have been received is treated as shipments and is not included in inventory owned. Figures consist of inventory owned at the plant and at warehouses or selling outlets which are treated as extensions of establishments for the purpose of reporting shipments. Inventory owned in transit in Canada or on consignment in Canada is included. Inventory owned abroad has already been reported as shipments and is excluded.

## (b) Inventory of goods purchased for re-sale

Figures represent the book value of inventory of goods purchased for re-sale as such without further processing, owned by reporting establishments and held at the plants and at any warehouses or selling outlets which are treated as extensions of establishments. Inventory owned in transit in Canada or on consignment in Canada is included.

Because of changes in classification, the receipt of revised data, the inclusion of new establishments of the removal of old establishments which did not operate during the latest year, the opening inventory for the latest year does not necessarily coincide with the closing inventory of the preceding year.

## Value Added

## (a) By manufacturing activities

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

## (b) By total activities

Figures consist of value added by manufacturing activities plus value added by nonmanufacturing activities and is compiled by deducting the cost of goods purchased for re-sale and the cost of other materials and supplies used from the value of shipments of goods not of own manufacture plus other revenue, adjusted for changes in the value of inventories of goods purchased for re-sale.
"Value added" is sometimes referred to as net production. However, to arrive at the National Accounts concept of net production, or "Gross domestic product at factor cost", it would be necessary to subtract also the cost of advertising, insurance and other business expenses which are not collected in the annual Census of Manufactures. "Value added" figures for the primary industries, manufacturing and construction are published in DBS publication Catalogue No. 61-202, Survey of Production.

## Short Forms

Since 1949 , in order to ease the reporting burden for smaller firms, a one-page short form has been used asking for only a limited amount of detail. For purposes of publication, missing data were estimated on the basis of appropriate ratios. Beginning with the 1959 census, the general limit for short forns was raised from $\$ 50,000$ (the limit used since 1949) to $\$ 100,000$ value of shipments and a new mediun form was used. This form is a shortened version of the long form in that some of the general questions were pared down and the detailed lists of materials and products were limited to the more important items. The general limits for firms in this category were set at between $\$ 100,000-\$ 500,000$ value of shipments, but in the case of both the
short and medium forms there are lower cut-offs for a number of industries in which the smaller firms account for a larger share of total shipments.

Prior to 1961, the short form was limited to a question on the principal items of factory shipments. In the 1961 and 1962 censuses, in addition to the question on shipments of goods of own manufacture, general questions on employment and payroll and on total revenue were added on all short forms. The other elements of principal statistics, viz. value of materials, fuel and electricity and inventories, were estimated by using ratios based on the change in the value of shipments reported in 1961 and 1962. This was done to permit the complete compilation of basic industry statistics by industry and by geographic location. The proportions of the estimated data was generally less than 5 per cent of the total in each category of principal statistics.

Beginning with the 1963 census, general questions on total purchases of materials, fuel and electricity and on total inventory were added on the short forms. The two questions, however, were designed so that the data can be easily derived from respondents' regular accounting records. This will permit a complete tabulation of principal statistics without the necessity of estimating missing items and will result in increased accuracy for rural area statistics where small firms account for a relatively important part of industrial output.

The addition of extra questions on the short form in recent years has also permitted an increase in the cut-off limits for short forms in many industries. This has meant that many more firms are now receiving the short form instead of the long or medium form. It has also resulted in the withdrawal of the medium form in a number of industries, thus further simplifying collection and tabulation procedures.

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[^0]:    See Table 2 and footnotes following Table 3.

[^1]:    See foutnote following Table 3.

[^2]:    1 Values represent book values of inventorles owned in Canada.
    ${ }^{2}$ See Explanatory Notes.
    1 The opening inventorles may differ fom the closing inventories for the previous survey year because of changes in classification, the recelpt of revised E.ta. fise inclusion of new establishments and the removal of establishments which did not operate during the survey year.

    - Figteres may not add due to rounding.

[^3]:    See footnotes following Table 3, page 8.

[^4]:    ${ }^{2}$ See Explanatory Notes.

[^5]:    'See Explanstory Notes.

[^6]:    ${ }^{1}$ See Explanatory Notes.

[^7]:    See footnotes following Table 3, pege 8.

[^8]:    'See Explanatory Notes.
    ${ }^{2}$ Included in "Novelties, other"
    " Included in "All other products"

[^9]:    ${ }^{1}$ Most of these adjustments were made when the rosults of the 1961 Census were being compiled. Since miblication of these results in the 1961 reports additional a justments were made to the 1961 data, as noted earlier. und these are reflected, where applicable, in the revised 1961 statistics contained in this report.

[^10]:    ${ }^{2}$ Some manufacturing firms operate sales branches or selling warehouses as separate sales establishments for which complete accounting records of receipts, expenses, employment and sales are maintained. In such cases the plants, in effect. "sell" to the sales outlets on much the same basis as they would to independent buyers. The value of plant shipments is based on factory prices and the "boundary" of the manufacturing establishment does not extend beyond the plant. The sales outlets in such cases constitute separate sales establishments and are classified to wholesale or retail trade. Some sales outlets of manufacturing firms, although they physically handle products of the plants, do not maintain separate accounts and are generally treated for statistical purposes as extensions of manufacturing operations. Special arrangements were made for separate reporting in a few cases where the treatment of such outlets as manufacturing extensions would seriously affect the significance of statistics for particular manufacturing and trade Industries.
    ${ }^{3}$ See footnote 1.

