

# GLASS AND GLASS PRODUCTS MANUFACTURERS 1960 

Formerly The Glass and Glass Products Industry

STAISICAT IIABIES

ANNUAL CENSUS OF MANUFACTURES

Published by Authority of
The Honourable George Hees, Minister of Trade and Commerce

## DOMINION BUREAU OF STATISTICS

Industry and Merchandising Division

## STMBOLS

The interpretation of the symbols used in the tables throughout this publication is as follows:
... figures not appropriate or not applicahbe.

- nil or zero.


## EXPLANATORY NOTES

This report is one in a series of about 140 publications which present the results of the 1960 Cinsus of Manufactures. Most reports in this series :efer to specific industries, but there are summary reports for Canada and the provinces and lor major industry groups. Adoption of the revised Standard Industrial Classification for 1960 compllations has necessitated changes in titles of many reports in this annual series. The content of many industries has also been affected (see following note on Industrial Classification).

Industry statistics alven in these reports refer to number of establishments, employees, salaries and wages, cost of materials, supplies, fuel and electricity, gross value of shipments, inventories and value added by manufacturing. Detalls of materials used and products shipped are also given. Descriptions of the principal Industry statistios with :special reference to 1960 are as follows:

## Period Covered

Flrms 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 the firms find it impossible to supply calendar year data from accounting records. However the data on employees, salaries and wages are requested on a calendar year basis in all cases.

## Establishment

Data for the annual census is collected on m, establishment basis. A firm with more than one plant is required to flle a report for each plant. In most cases an establishment is a complete factory; sometimes, however, a plant is divided into two or more establishments when it carries out operatiuns classifiable to different industries and when separate accounting records are available. Usually the statistics for an establishment relate only to the manufacturing activities. Other activities such as construction at the plant by its own employees, wholesale or retail activities carried on at the plent location, etc., are not included. Plants engaged solely in repair work (except in the case of furniture, shipbuilding, boat building, aircraft and railway rolling stock industries) are not included but plants occupled in assembling parts into complete units are included.

## Employees

Administrative and office employees include all executives and supervisory officials such as presidents, vice-presidents, secretaries, treasurers, etc., together with managers, professional and technical employees, superintendents and factory supervisors above the working foremen level, and clerical employees. Working owners and partners ire also included in this category.

Production and related workers include all bther factory workmen whether paid on a monthly, weekly, hourly or piece-work basis. Working foremen doing work similar to that of the employees they supervise are included, as are maintenance, ware-
housing and delivery staffs. Employees on new construction work, in retail or wholesale operations. on outside piece work etc. are not included.

Production workers are reported by months, an average for the year being obtained by summing the monthly ligures and dividing by twelve. This procedure is followed even though the plant did not operate in all months. Figures on employment refer to calendar years whether or not some establishments reported other data on a financlal year basis.

## Salartes and Wages

Salarles and wages refer to gross earnings of the employees described above, including sularies. wages, commissions, bonuses, the value of room and board where provider, deductions for income tax and social services such as sickness and unemployment insurance, pensions, etc., as well as any other allowances forming part of the employees' wages. Payments for overtime are included.

Salaries refer to amounts paid to administrative and office employees. Withdrawals by working owners or partners for normal living expenses for self and family are included but not their withdrawals for income tax. Wages refer to the amounts paid to production and related workers as defined above. Data on earnings refer to the calendar year whether or not some establishments reported other data on a financial year basis.

## Cost of Fuel and Electricity

Figures for fuel refer to amounts actually used, (including fuel used in cars and trucks), not to purchases unless the quantities are the same. Values refer to the laid-down cost at the works, Including freight, duty, etc.

## Materials and Supplies Used

Figures represent quantities and laid-down cost values, at the works, of materials and supplies actually used during the yeat whether purchased from others or received as transfers fom other plants of the reporting company. Amounts paid to other manufacturers for work done on materials owned by the reporting company are included. Returnable containers or any other items charged to capital account are not included. Fuels are not included. Goods bought from others or recelved as transfers from other plants or reporting companies for resale without further processing are not included. Maintenance and repair supplies not chargeable to capital account are included.

## Factory Shipments

Factory shipments refer to shipments of goods made from own materials either in the reporting plant or by other manufacturess on the basis of a charge to the reporting plant for work done. All products and by-products shipped from the establishment are included. whether for domestic use, export, or for government departments. Transfer shipments to sales outlets, distributing warehouses or to other manufacturing units of the reporting firm are included. Goods bought of received as transfers
and resold without further processing are not included, Values are computed on f.o.b. plant or plant warehouse basis, and do not include sales tax or excise duties. Values of containers not returnable are included. Amounts recelved in payment for work done on materials owned by others are included.

In a few industries such as shipbuilding, aircraft, etc. where work on principal products extend over a relatively long period, the value of production is recorded rather than the value of shipments. For those industries 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 finished units delivered in the year under revlew.

## Inventories

Values represent the book values of manufacturing inventories owned and held at the reporting plant. Figures include inventories held in warehouses of selling outlets which have been included with plant operations for purposes of reporting shipments.

## Value added by Manufacturing

Figures are computed from value of shipments plus or minus changes in inventories of finished goods and goods in process less cost of materials, fuel and electricity. This figure is sometimes referred to as net production. ${ }^{1}$

## Standard Industrial Classiftcation

The revised Standard Industrial Classification which has been introduced with the 1960 Census of Manufactures provides for a breakdown of the universe into 140 industries arranged in 20 major groups compared with 135 industries in 17 major groups in the old classification which was used in the compilations for the years 1949 to 1959 inclusive. It incorporates changes considered desirable on the basis of experience in using the earlier classification as well as those which take account of changes in the structure of Canadian industries associated with the rapid developments of the past decade. Full details are contained in the Standard Industrial Classification Manual, Catalogue No. 12-501, which is available from either the Queen's Printer or the Dominion Bureau of Statistics. Reporting establishments are classified or allotted to specific industries on the basis of the value of principal products made of shipped.

Many industries remain unchanged in the new classification but in many instances there have been substantial changes in content because of the shifting of establishments from one industry to another or in re-grouping of establishments. Where

[^0]changes have occurred the principal statistics for 1957. 1958 and 1959 have been re-complled to provide data on a besis comparable with those for 1960.

## Short Forms

Between 1949 and 1957, in an effort to ease the reporting burden for smaller firms, a short form was used asking for the total value of shipments only of, in a few cases where losses of detall were significant, for quantities and values of pilncipal products. For purposes of publication, missing data were estimated on the basis of appropriate ratios. In general the cut-off point for these short forms was set at $\$ 50,000$ value of shipments. About $40 \%$ of the total number of establishments reported on the short form and accounted for less than 3 per cent of the total value of shlpments.

In 1958, in order to establish a new base year, the small firms were asked to report all items of principal statistics together with some detail on materials and products.

For the 1959 Census, the short form was used again, but further steps were taken to ease the respondents' burden. First, the general limit for short forms was raised to $\$ 100,000$ value of shipments. In addition, a new intermediate form was developed. This form is a shortened version of the long form in that most of the general questions were pared down and the detalled 11 sts 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 intermediate forms there were lower cut-offs for a number of industries in which the smaller firms accounted for a larger share of total shipments. On the other hand, limits were raised where this could be done without a significant loss of coverage. On most of the short forms for 1959, in addition to total value of shipments, data on principal products were requested. In a few industries, where loss of employment and earnings data were considered too large because of higher cut-offs, a question on total payroll was placed on the short form. This practice was followed again in 1960.

The intermediate and long forms provide complete data for the compilation of all elements of principal industry statistics and the details of materials and products. The one-page short form, although containing data on principal products and total value of shipments, does not request information on other elements of principal statistics such as value of inventories, materials, fuel and electricity and, in most cases, employment and salaries and wages, nor does it contain detailed data on volume and value of materials used. For purposes of compiling aggregates of principal statistics by industry and by geographic location, the missing data for each establishment were estimated for 1959 by using, in general, ratios based on the change in the value of shipments between 1958 and 1959. The proportion of the estimated data was generally less than 5 per cent of the total in each category of principal statistics.

## GLASS AND GLASS PRODUCTS MANUFACTURERS <br> 1960

Data presented in this report under the heading of Glass and Glass Products Manufacturers reflect implementation of the revised Standard Industrial Classification (SIC) which is being used by the Dominion Bureau of Statistics in its compilation of 1960 industry statistics - see item "Standard Industrial Classification" in the Explanatory Notes section of this report. For statistical purposes the industry titled Glass and Glass Products Manufacturers in the revised standard Industrial Classification covers the operations of establishments primarily engaged in manufacturing flat glass, plate glass, glass containers, glassware, ovenware, glass brick, fibrous glass products except textile fabrics, mirrors, stained, leaded and ornamented glass, glass novelties and other articles made from glass. This industry includes establishments primarily engaged in etching or painting glass or glassware. Establishments primarily engaged in manufacturing optical lenses and ophthalmic lenses are classified in the Scientific and Professional Equipment Manufacturers industry. And establishments primarily engaged in spinning glass yarns or weaving glass fabrics are classified in the Synthetic Textile Mills industry.

In many instances, adoption of the revised Standard Industrial Classification effected a radical shifting of manufacturing establishments as between industry groupings. However, in the case of establishments engaged in manufacturing glass and glass products, changes brought about by the implementation of the revised Standard Industrial Classification were minimal as evidenced in the comparative series of statistics presented in Tables 1A and 1B. Table 1A shows data for these establishments according to the "old" concept while Table 1B carries figures re-compiled on the "new" or revised Standard Industrial Classification basis.

There were 109 establishments classified as Glass and Glass Products Manufacturers in 1960; there being 37 in Quebec, 54 in Ontario, 5 in Mani-
toba, 1 in Saskatchewan, 6 in Alberta and 6 in British Columbia. Employees in the industry numbered 9.014; salaries and wages totalled $\$ 36,711,533$; fuel and electricity cost $\$ 4,869,518$; materials used in manufacturing processes cost $\$ 40,248,466$; and factory shipments were valued at \$104.542,563.

Pressed, blown and drawn glass was produced by 12 establishments classified as Glass Manufacturers in 1960. Shipments by these establishments were valued at $\$ 62,553,640$ and consisted of bottles and jars, ovenware, sheet and window glass. A total of 6,571 people were employed; salaries and wages paid amounted to $\$ 26,558,555$; and materials used cost $\$ 21,687,153$.

Ninety-seven other establishments classified as Glass Products Manufacturers were accupied mainly in manufacturing cut and bevelled glass such as mirrors and insulating multi-pane window units in 1960. Factory shipments of all products made in these establishments were valued at $\$ 41,988,923$. Employees numbered 2,443 and payments for salaries and wages totalled $\$ 10,152,978$. Materials used in manufacturing processes cost $\$ 18,561,313$ and fuel and electricity at plants amounted to $\$ 719,557$.

Note: Due to lack of inventory data, figures for value added by manufacture prior to 1954 were obtained by subtracting the cost of materials used, including fuel and electricity from the total value of factory shipments. In 1954 and 1955 the "Value added" adjustment incorporated the increase or decrease to shipments values resulting from changes in the value of inventories over the period. For these two years, the adjustments that were made used only the change in finished product inventory owned by manufacturers. Beginning with 1956 the calculation of the "Value added" figure was further adjusted to take into account the "Goods in process" as well as the finished goods held at plant or plant warehouse.

TABLE 1A. Principal Statistics of the Glass and Glass Products Industry, Significant Years 1929-59 (Basis: Standard Industrial Classification in use prior to 1960)


[^1]TABLE 1B. Principal statistics, Glass and Glass Products Manufacturers, by Provinces, $1957-60$ Basis: Standard Industrial Classification revised 1960

${ }^{1}$ See note to text.
2The changeover to the new classification has delayed the recompliation of "value added" flgures for yeara prior to 1960 and same will not be avallable untll the next dssue of this report.

Note: Proflts or losses cannot be calculated from above ilgures as data are not avallable for general expense items, such as interest, rent, depreciation, taxes, Insurance, advertising, etc.

TABLE 2. Principal Statistics, Glass and Glass Products Manufacturers, by Sub-groups, 1959 and 1960
Basis: Standard Industrial Classification revised 1960


[^2]TABLE 3. Inventories ${ }^{\text { }: ~ G l a s s ~ a n d ~ G l a s s ~ P r o d u c t s ~ M a n u f a c t u r e r s, ~} 1960$

|  | Raw materials and supplies | Goods in process | $\begin{gathered} \text { Finished goods } \\ \text { of own } \\ \text { manufacture } \end{gathered}$ | Total |
| :---: | :---: | :---: | :---: | :---: |
| dollats |  |  |  |  |
| Opening: |  |  |  |  |
| Quebec |  |  |  |  |
| Ontario | 6,913,017 | 552, 221 | 3, 944,216 | 11, 409, 454 |
| British Columbla ................................................. | 53, 235 |  | ${ }^{800}$ | 54, 035 |
| All other provinces ................................................ | 969,510 | 12,208 | 1,043,952 | 2,025,670 |
| Canada | 10, 542, 909 | 660,430 | 8, 594, 071 | 19, 797, 410 |
| Closing: |  |  |  |  |
| Quebec | 2, 524, 619 | 75,902 | 4,525, 680 | 7,126,201 |
| Qntario .............................................................. | 6, 445, 221 | 966, 553 | 3,978, 601 | 11,390,375 |
| British Columbia $\qquad$ <br> All other provinces | 43,953 850,657 | 15, 754 | 1,111,429 | $\begin{array}{r} 45,382 \\ 1,977,940 \end{array}$ |
| Canada ........... | 9,864,450 | 1, 058, 209 | 9,617, 239 | 20, 539, 898 |
| By sub-groups |  |  |  |  |
| Opening: |  |  |  |  |
| Glass manufacturers ........................................... | 4, 549, 301 | 163, 203 | 7, 436, 926 | 12,149, 430 |
| Class products manufacturers | 5,993, 608 | 497, 227 | 1,157, 145 | 7, 647, 980 |
| Canada | 10,542, 909 | 660,430 | 8,594,071 | 19,797,410 |
| Closing: |  |  |  |  |
| Glass manufacturers $\qquad$ <br> Glass products manufacturers $\qquad$ | $\begin{aligned} & 4,592,105 \\ & 5,272,345 \end{aligned}$ | $\begin{aligned} & 227,818 \\ & 830,391 \end{aligned}$ | $\begin{aligned} & 8,510,167 \\ & 1,107,072 \end{aligned}$ | $\begin{array}{r} 13,330,090 \\ 7,209,808 \end{array}$ |
| Canada | 9,864, 450 | 1, 058, 209 | 9,617, 239 | 20,539, 898 |

${ }^{1}$ Book value of all manufacturing inventories owned and held at plant and plant warehouses.

TABLE 4. Factory Shipments: Glass and Glass Products Manufacturers, 1960

| Product | Value of factory shipments |
| :---: | :---: |
|  | \$ |
| Glass products manufacturers: |  |
| Mirrors: |  |
| Plate glass | 3,463,054 |
| Sheet glass | 606, 091 |
| Other products of glass: |  |
| Bevelled or pollshed edge plate | 383,906 |
| Bevelled or polished edge sheet glass | 438,613 |
| Leaded glass, including memorial windows | 286, 110 |
| Cut glass (tumblers, bowls, etc.) ....................................................................................... | 800, 133 |
| Decorated glassware (Including engraved, etched, sand-blasted, applied colour, etc.) ........ | 1, 345, 839 |
| Druggists', physiclans' and laboratory glassware .............................................................. | 652,588 |
| Insulating multrpane window units, air seal (hermetically sealed) | 4, 998, 871 |
| Other glass products ........................................................................................................ | 28, 337, 115 |
| All other products ............................................................................................................... | 676, 403 |
| Total | 41,988, 923 |
| Class manufacturers: |  |
| Pressed, blown and drawn glass (including bottles, sealers, ovenware, window glass, etc) .... | 62, 553, 640 |
| Grand total | 104, 542,563 |

## TABLE 5. Materials Used: Glass and Glass Products Manufacturers, 1960

| Material |  | Cost at plant |
| :---: | :---: | :---: |
|  |  | \$ |
| Glass products manufacturers: |  |  |
| Bevelled or polished edge plates |  | 672,041 |
| Bevelled or polished edge sheets |  | 68,564 |
| Figured and cathedral glass, leaded glass, etc. |  | 59,314 |
| Glass blanks for making cut glass articles |  | 270,632 |
| Glass tubing |  | 61.000 |
| Plate glass used for bevelling, silvering, laminating, etc. |  | 8,306,852 |
| Sheet glass used for bevelling, silvering, laminating, etc. |  | 2,703, 534 |
| Grinding and polishing materials |  | 99,896 |
| Silver nitrate |  | 74,914 |
| Containers, boxes, packages, etc. |  | 523,572 |
| All other materials ${ }^{\text { }}$ |  | $5,720,994$ |
| Total |  | 18,561,313 |
|  | Quantity | Cost at plant |
|  |  | \$ |
| Glass manufacturers: |  |  |
| Arsenic ................................................................................... ${ }^{\text {. }}$ 1b. | 224,663 | 15,842 |
| Barytes ........................................................................................................ | 732,608 | 23,284 |
| Borax ......................................................................................................... | 943,914 | 48,663 |
| Cobalt oxide .............................................................................................. | 6,542 | 9,372 |
| Chromite ................................................................................... to. to. | 108 | 8.043 |
| Cullet ..................................................................................... ${ }^{\text {e. }}$ | 28,444 | 391,509 |
| Fluorsper .................................................................................................... | 733 | 48,561 |
| Lime ................................................................................................... | 54,413 | 624, 042 |
| Nepheline syenite ..................................................................................... | 27.810 | 543,799 |
| Salt cake .................................................................................................... ${ }^{\text {b }}$ | 5,625,724 | 101. 555 |
| Selenium (metal and salts) ............................................................... | 6,662 | 44,676 |
| Silica sand .............................................................................................. | 286,674 | 2,605,523 |
| Shipping containers and packing materials .............................. | $\cdots \cdot$ | 4,266,587 |
| All other matertals | - 0 | 12,955,697 |
| Total | - | 21,687,153 |
| Grand total | -•* | 40,248,466 |

[^3]TABLE 6. Factory Shipments of Metal Windows (from All Industries), 1952-1960
(Residential, Factory and Commercial Use)

|  | Aluminum | Steel | Combination storm and screen |  | Insulating multi-pane window units air seal (hermetically sealed) |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Aluminum | Steel |  |
|  |  |  | dollars |  |  |
| 1952 | 2, 145,000 | 2, 794, 000 | 2,307,000 | 479,000 | 1 |
| 1953 | 4,591,000 | 2,896,000 | $2,558,000$ | 681,000 | 1 |
| 1954 | 7.192,000 | 3,414,000 | 4.098,000 | 628,000 | 1 |
| 1955 | 12,304, 000 | 2,903,000 | 5,686.000 | 720,000 | 1 |
| 1956 | 13, 193,000 | 5,107,000 | $6,710,000$ | 2 | 1 |
| 1957 | 19, 441,000 | 4,931,000 | 7,399,000 | 2 | 8 |
| 1958 | 22.416,000 | 4,245,000 | 8,877,000 | 2 | 1 |
| 1959 | 22,152,000 | 4,036,000 | 12,051,000 | 3 | 1 |
| 1960 | 11,453, 000 | 5,650,000 | 15,847, 000 | 2 | 5,851,000 |

[^4]TABLE 7. Principal Statistics Classified according to type of Ownership; Glass and Glass Products Manufacturers, 1957 and 1960

| Type | Establishments | Employees | $\begin{aligned} & \text { Salaries } \\ & \text { and } \\ & \text { wages } \end{aligned}$ | Cost at plant of materials used | Selling value of factory shipments |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | number |  | $\square$ dollars |  |  |
| Individual ownership | 30 | 144 | 388, 248 | 462,699 | 1,108, 355 |
| Pertnerships | 16 | 94 | 211,673 | 271,052 | 644,938 |
| Incorporated companies | 70 | 7.717 | 27, 747, 718 | 34, 346, 340 | 89, 308,580 |
| Totals | 116 | 7.955 | 28,347,639 | 35,080, 091 | 91,061,873 |
| Individual ownership | 27 | 117 | 328,515 | 385, 708 | 943,269 |
| Partnerships | 8 | 37 | 129,940 | 137,141 | 366,071 |
| Incorporated companies | 74 | 8,860 | 36,253, 078 | 39,725,617 | 103,233,223 |
| Totals | 109 | 9,014 | 36,711,533 | 40, 248,466 | 104, 542,563 |

TABLF. 8. Principal Statistics grouped according to Selling Value of Factory Shipments: Glass and Glass Products Manufacturers, 1957 and 1960


TABLE 9. Employees and their Earnings: Glass and glass Products Manufacturers, by Provinces, 1959 and 1960


TABLE 10. Production Workers, by Months: Glass and Glass Products Manufacturers, 1960

| Month | Establishments reporting monthly detail ${ }^{1}$ |  | Establishments reporting quarterly detail ${ }^{2}$ |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Male | Female | Male | Female |
| January | 5,607 | 998 |  |  |
| February | 5,534 | 934 |  |  |
| March | 5.566 | 995 1.081 | 243 | 90 |
| April | 5, 678 5,666 | 1,081 1,107 |  |  |
| June | 5,969 | 1.291 | 269 | 114 |
| July | 5, 817 | 1.258 |  |  |
| August | 5,679 | 1,247 |  |  |
| September ................................................................. | 5,707 | 1.114 | 283 | 112 |
| October .................................................................. | 5,633 | 1, 188 |  |  |
| November ........................................................ | 5.661 | 1,208 |  |  |
| December ................................................................. | 5,436 | 1,057 | 260 | 98 |
| Average for establishments reporting monthly detail |  |  | 5,666 | 1.128 |
| Average for establishments reporting quarterly detail |  |  | 264 | 103 |
| Average estimated for small establishments ${ }^{3}$ |  |  | 132 | 24 |
| Average for all establishments |  |  | 6, 062 | 1.253 |

[^5]TABIE 11. Fuel and Electricity Used: Glass and Glass Products Manufacturers, 1960

| Kind | Quantity | Cost at plant |
| :---: | :---: | :---: |
|  |  | \$ |
| 1. Establishments reporting commodity detail:1 |  |  |
| Bituminous coal - Imported............................................................... ton | 3. 124 | 36,486 |
| Anthracite cosl .................................................................................. | 72 | 1. 234 |
| Gasoling (including gasoline used in cars and trucks) ............. Imp. gal. | 252,157 | 88.696 |
| Fuel oll including kerosene or coal oll ............................................ | 31,569,246 | 2.492.512 |
| Gas (a) Liquefied petroleum gases ................................................. ${ }^{\text {a }}$ | 68. 526 | 11.583 |
| (b) Natural gas ............................................................... M cu. ft. | 1.473,726 | 920, 287 |
| Other fuel | . . | 18,001 |
| Electricity purchased ........................................................................... | 183, 979,408 | 1.196.198 |
| Steam purchased | -* | 1,909 |
| 2. Establishments reporting group detail: ${ }^{\text {a }}$ |  |  |
| Cost of fuel. | *. | 33,379 |
| Cost of electricity | $\ldots$ | 25,253 |
| 3. Estimate for establishments for which no data were collected: ${ }^{3}$ Cost of fuel and electricity | ... | 43.980 |
| 4. All establishments: |  |  |
| Total cost of fuel and electricity | . $\cdot$ | 4,869,518 |

[^6]TABLE 12. Imports of Glass and Glass Products, 1959 and 1960


TABLE 13. Exports of Glass and Glass Products, 1959 and 1960

| Item |  | 1959 | 1960 |
| :---: | :---: | :---: | :---: |
| Common and colourless window glass | sq. ft. | $\begin{array}{r} 7.921,079 \\ 873,919 \end{array}$ | $\begin{array}{r} 6,830,828 \\ 706,998 \end{array}$ |
| Table ware of glass | \$ | 12,526 | 6,979 |
| Lenses of glass, rough or finished | \$ | 862,643 | 998,645 |
| Glass bottles, empty | \$ | 82, 398 | 88,954 |
| Glass and glassware, n.o.p. | \$ | 103,026 | 94,384 |

Directory of Firms: Glass and Glass Products Manufacturers, 1960


* Do not actually make glass. Included in compilations of this industry In error, will be reclassifled in 1961.

Directory of Firms: Glass and Glass Products Manufacturers, 1960 - Concluded

| Name of firm | Location of plant |
| :--- | :--- |

(b) Glass Products Manufacturers - Continued

```
Quebec - Concluded:
```

Phillips Cut Gless Co. Ltd.
Pion, Georges
Star Glass Ltd.
Stotter Glass Products Ltd.
Villeray Glass
Vitra Glass Liece.
Vitrerie Bouchard Glass Inc.
Vitrerie Canadienne Enr'g.
Vitrerie Contrecoeur Enr'g.
Vitrerle Générale Frr'g.
Walker Glass Co. Ltd.
White Mirror and Glass Company
Winter and Company

## Ontario:

Acadian Glass and Mirror Co.
Armalux Glass Industries Limited
Bath and Sons Glass Mirrors and Manulacturing Ltd.
Beach Neon
Belgium Mirror and Glass Co.
Bennett Glass Co. Ltd., The
Canadian Pittsburg Industries Led.
Central Ornamental Glass Co.
Clapperton and Sons Litd.
Colonial Art Glass and Windows
Corning Glass Works of Canada Ltd.
Cutler Brands Limited
De Paoli Industries
Duplate Canada Ltd.
Duplate Canada Ltd.
Duplate Canada Ltd.
Emerald Glass Company
Excelsiot Glass Company, Limited
Fllex-o-Lite of Canada, Ltd.
Glass Cell Fabricators Ltd.
Holliday Flint Glass Works of Toronto
Holophane Co. Ltd., The
Hughes and Sons "Corn flower" Ltd., W.J.
Jewell and Son, Ernest C.
Johns Glass Co. Litd., The O.H.
Lipman Sterling Limited
London Glass and Mirror Co.
Lloyds Glass Co.
Luxfer Prism Co., Ltd.
McCausland, Ltd., Robert
McConnell Mirrors and Glass
Modem Mirror and Glass Co.
Monogram Glass Co. Of Canada, Ltd.
North American Glass Industries Ltd.
Pilkington Brothers (Canada) Ltd.
Precision Glassciaft Co.
Pringle and London
Queen City Glass Company, Limited
Richards Glass Co. Ltd., The
Sealite-Glass Limited
Service Glass and Mirror Ltd.
Sherriff Limited, R.G.
Smith, Co. Ltd., Kenneth M.
Smits and Ramsdale
Strathroy Glass Company
Thermo-Rite Manufacturing Co.
Tooke, Gerald E.
Toronto Glass and Mirror Co.
Versteeg Studios Ltd., Charles
X. L. Glass Company

2251 Papineau Ave., Montreal
912 Est Rachel, Montreal
4040 Namut St., Montreal
2625 Albert St., Montreal
10865 Lajeunesse, Montreal 6026 Hochelaga, Montreal 7640 Lajeunnesse St., Montreal
Champt gny
Contrecoeur
Daveluyville
5972 Second Ave. Rosemount
4081 St. Urbain St., Montreal
234 Laurier Ave. W. . Montreal

5 Roslyn Ave., Toronto
17 Racine Rd., Rexdale
1388 Main Ct. E. Hamilton
54 Alice Crescent. Scarborough
407 Dundas St. W., Toronto
1004 Walker Rd. Windser
59 York St., London
83 McCaul St. Toront (s
23 River St., Toronto
1191 Gladstone Ave., Oltatha
135 Vanderhoof Ave., Leaside
126 Geary St., Toronto
542 Brant St., Windsor
Oakville
Oshawa
Wi ndsot
544 Rogers Rd., Toronto
127 Rivalda Rd., Weston
15 Ontario St., St. Thomas
25 Ingram Drive, Toronto
103 River St. . Toronto
418 Kipling Âve. S., Etoblcoke
102 Tycos Dive, Toronto
374 Montrose Ave., Toronto
219 Broadview Ave., Toronto
191 George St., Toronto
679 York St., London
180 King St. W., Hamilton
162 parliament $\mathrm{St}_{\mathrm{H}} 1$ Toronto
214 John St., Toronto
164 St. Patrick, Stratford
206 Maín St., Toronto
7 Staffordshire Place, Toronto
18 Rivalda Rd., Weston
111 Millward Rd., Leaside
121 Judge Rd., Toronto
162 Parliament St., Toronto
243 Victoria St., Toronto
102 Atlantic Ave., Toronto
1293 Caledonia Rd., Toronto
1185 Rose Lawn Ave., Toronto
216 Adelaide St. W., Toronto
30 Industrial St., Leaside
442 Sherbourne St., Toronto
56 Canaan St., Strathroy
134 Hartzel Rd. St. Cathatines
186 Dupont St., Toronto
67 Racine Rd., Rexdale
Carleton Place
59 King St, Wo, Mamilton

Directory of Firms: Glass and Glass Products Manufacturers, 1960 - Concluded




[^0]:    1To arrive at the National Accounts concept of "gross domestic product at factor cost". It would be necessary to subtract also the cost of office supplies used, advertising, insurance and other goods and services obtained from other businesses. Data on these inputs are not collected on the annual Census of Manufactures. Value added flgures for "The primary industries and construction" are published in D.B.S. publication 61-202, Survey of Production.

[^1]:    ${ }^{2}$ See note to text.

[^2]:    ${ }^{1}$ See note to text.
    ${ }^{2}$ The changeover to the new classification has delayed the recompllation of "value added" figures for prior years and same will not be available until the next issue of this report.

[^3]:    ${ }^{1}$ No detailed information on materials used was collected from firms generally reporting value of shipments of less than $\$ 100,000$. The total value of materials used by these firms in 1960 was $\$ 885,806$ and this amount is included in "all other materials".

[^4]:    ${ }^{1}$ Nuw category for 1960 - Included in other categories previously.
    ${ }^{2}$ Included in "Steel", column 2.

[^5]:    ${ }^{1}$ The number of production workers, by months, was collected only for establishments generally reporting value of shipments of $\$ 300,000$ and over.
    ${ }_{2}$ The number of production workers, by quarters, was collected only for establishments generally reporting value of shipments between $\$ 100,000$ and $\$ 300,000$.
    ${ }^{3}$ For establishments generally reporting value of shipments of less than $\$ 100,000$, no data on number of workers were collected. Average was estimated by using change in value of shipments to arrive at value of payroll which was then used in conjunction with estimated average earnings to arrive at number of workers.

[^6]:    ${ }^{1}$ Establishments generally reporting value of shipments of $\$ 300,000$ and over.
    : Stablishments generally reporting value of shipments between $\$ 100,000$ and $\$ 300,000$.
    , Fistablishments generally reporting value of shipments of less than $\$ 100,000$.

