

DOMINION BUREAU OF STATISTICS

Industry Division

GENERAL REVIEW OF
THE MANUFACTURING INDUSTRIES
OF CANADA

1961

Published by Authority of
The Minister of Trade and Commerce

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SYMBOLS

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

- .. figures not available.
- ... figures not appropriate or not applicable.
- nil or zero.
- amount too small to be expressed.
- p preliminary figures.
- r revised figures.

PART I

INTRODUCTION

SECTION A. EXPLANATORY NOTES

This report is one in a series of about 140 publications which present the results of the 1961 Census of Manufactures. Most reports in the series refer to individual industries but there are general reports for Canada and the provinces and special reports on geographical distribution and on type of ownership and size of manufacturing statistics. A complete list of these and other reports published by the Industry Division on the manufacturing industries is included in Appendix 1 of this report.

As its name implies, the *General Review of the Manufacturing Industries of Canada* brings together into one report historical statistics, and summary results and general analyses of the annual Census of Manufactures. In addition, it includes data on manufacturing, such as capital investment and the index of industrial production, compiled by other Divisions of the Bureau.

Implementation of the new definition of the establishment in the 1961 Census has resulted in certain changes and necessitated some adjustments to the statistics for previous years in order to maintain comparability, as described below under "Establishment". Descriptions of the principal industry statistics, together with other relevant features of the Census of Manufactures, follow.

Period Covered

Firms 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

The reporting unit in the Census of Manufactures is the **establishment**. Beginning with the 1961 Census, the establishment is defined as follows:

The smallest unit which is a separate operating entity capable of reporting all the following:

- Materials and supplies used,
- Goods purchased for resale as such,
- Fuel and power consumed,
- Number of employees and their pay,
- Inventories,
- Shipments or sales.

The establishment is to be distinguished from smaller subdivisions or departments which do not have records which permit them to report all items required of an establishment. Prior to 1961, some establishments were required to submit two or more separate reports when they were engaged in operations which were classifiable to different industries. Beginning with 1961, separate reports for such operations will be required only in cases where accounting records can provide all the elements of principal statistics enumerated above. 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.

A manufacturing establishment is typically a factory, mill or plant principally engaged in manufacturing operations. Prior to 1961, the Census of Manufactures attempted to cover the manufacturing activities of all establishments, whether or not they were principally engaged in manufacturing operations.

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. Again, adjustments to the industry statistics 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 industry surveys, such as Wholesale Trade, Construction, etc. In order, however, to maintain complete coverage of certain commodity items produced mainly in manufacturing establishments, many non-manufacturing establishments are now surveyed for commodity shipments only and the latter are included in those tables of industry reports showing shipments of certain commodities "from all industries".

Many firms have more than one manufacturing establishment. Such firms are requested to submit a separate Census of Manufactures report for each manufacturing establishment which can meet the reporting requirements described earlier.

Prior to 1961, the main emphasis in the Census of Manufactures was on manufacturing activity whereas, beginning with 1961, each establishment reports on the total operations carried out within its accounting boundaries (except income from investments such as rent, interest and dividends). However, data on different activities (manufacturing, selling, construction by own labour force etc.) are requested separately. The 1961 statistics in this report are confined to manufacturing activity in order to maintain comparability with previous years. In the 1962 reports it is planned to show both 1961 and 1962 data on the "total activity" basis in addition to the data on manufacturing operations.

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 are also included in this category but will be shown separately in subsequent years.

Production and related workers include all other 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, handling, warehousing and delivery staff. 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 figures and dividing by twelve. This procedure is followed even though the plant did not operate in all months. Figures on employment refer to the calendar year whether or not some establishments reported other data on a financial year basis.

Salaries and Wages

Salaries and wages refer to gross earnings of the employees described above, including salaries, wages, commissions, bonuses, the value of room and board where provided, 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 with salaries, but will be shown separately in subsequent years.

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 establishment including freight, duty, etc.

Materials and Supplies Used

Figures represent quantities and laid-down cost values, at the establishment, of materials, supplies and components actually used during the year whether purchased from others or received as transfers from 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 received 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 generally refer to shipments of goods made from own materials either in the reporting establishments or by other manufacturers on the basis of a charge to the reporting establishment 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 which are treated as separate establishments are included. Goods bought or received as transfers and resold without further processing are not included. Values are requested on f.o.b. establishment basis, and do not include sales tax or excise duties. Values of containers not returnable are included. Amounts received 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 review.

Inventories

Values represent the book value of manufacturing inventory. Figures consist of inventory at the plant and at warehouses or selling outlets which are treated as extensions of the plants for the purpose of reporting shipments.

SECTION B. CHANGES IN CLASSIFICATION AND CONCEPT

The statistics contained in the 1960 report reflected the implementation of the revised Standard Industrial Classification which provides for a breakdown of the manufacturing universe into 140 industries arranged in 20 major groups. This compared with 135 industries in 17 major groups in the old classification system which was used in the compilations for the years 1949 to 1959 inclusive. The revised classification 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.

The revised classification introduced in the 1960 report brought about substantial changes in a number of industries because of the shifting of establishments from one industry to another, or because of regrouping of establishments into different industry classes. Many industries remained substantially unchanged. A description of the principal changes was given in the 1960 report. In order to provide comparability of data for

Value added by Manufacturing

Value added is compiled by deducting the cost of materials, 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). Value added is sometimes referred to as net production.¹

Standard Industrial Classification

The revised Standard Industrial Classification which was 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. 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 or shipped.

Establishments engaged solely in repair work are not included in manufacturing industries (except in the case of furniture, shipbuilding, boat building, aircraft and railroad rolling stock industries) but establishments principally engaged in assembling parts into complete units are included.

Short Forms

Since 1949, in order to ease the reporting burden for smaller firms, a one-page short form has been used, asking only for certain principal items of shipments. For purposes of publication, missing data were estimated on the basis of appropriate ratios. For the 1959 and 1960 censuses the general limit for short forms was raised from \$50,000 to \$100,000 value of shipments and a new intermediate 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 intermediate forms there are lower cut-offs for a number of industries in which the smaller firms account for a larger share of total shipments.

In the 1961 Census, in addition to the question on shipments of goods of own manufacture, 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, are generally estimated by using ratios based on the change in the value of shipments from year to year. This is to permit the complete compilation of basic industry statistics by industry and by geographic location. The proportion of the estimated data is generally less than 5 per cent of the total in each category of principal statistics.

recent years, the 1960 report also contained principal statistics on the revised basis for major industry groups of the new classification and totals by province for years back to 1957.

The present report for 1961 reflects a conceptual change which will result in an additional break in continuity. This change is an essential part of a programme aimed at improving the quality and consistency of industry statistics while at the same time facilitating reporting of the data. The differences in the 1961 statistics are the result of a change in the definition of the reporting unit (establishment) in the Census of Manufactures. The new definition, together with the principal

¹ To arrive at the National Accounts concept of "gross domestic product at factor cost", it would be necessary to subtract also the cost of advertising, insurance and other business costs which are not collected in the annual Census of Manufactures. Value added figures for the primary industries, manufacturing and construction are published in DBS Catalogue No. 61-202, Survey of Production.

changes that resulted from its implementation, is described under "Establishment" in the Explanatory Notes at the beginning of this report. Where continuity of industry statistics was affected by these changes, adjustments to the data were made back to 1957 in order to maintain continuity of the series for recent years. The statistics in this report thus supersede those contained in the 1960 publication for the period 1957-60 and reflect both the change in classification implemented in the 1960 census and the change in concept introduced in the 1961 census.

In addition to the changes described in the Explanatory Notes and other changes in valuation, it should be noted that the two new industries—Poultry Processors and Dental Laboratories—introduced for the first time in the 1960 compilations, (see reconciliation table on page 10 of the 1960 report) were removed from the statistics contained in this report in order to provide comparability over the whole period 1957-61. These industries were included in the 1960 and 1961 censuses in accordance with the revised Standard Industrial Classification but did not represent "new" production. They will be re-introduced in the revised 1961 statistics to be released in the 1962 Census of Manufactures reports and will form part of the regular compilations thereafter. Two other groups of establishments that were surveyed for the first time in the 1960 census were treated in the same manner—book publishers (part of the Publishing Only industry) and electro-plating establishments (part of the Metal Stamping, Pressing and Coating industry). These also represented a break in continuity in the statistics of the industries involved and necessitated adjustments to the 1960 data.

In order to indicate the magnitude of all the changes described above resulting from the introduction of the new concept in the 1961 census, the following table shows the original and revised figures for 1960 for number of establishments and value of shipments at the provincial and major industry group levels. Since the 1961 Census of Manufactures was collected and compiled on the basis of the new concept only, no figures are, therefore, available to show what the results for 1961 would have been had they also been compiled on the old basis. For this reason the comparisons between the results on the old and the new concepts can only be made for the years 1957-60 which are available on both bases.

Some of the major differences in the industry group series result from the following adjustments:

In the case of the Food and Beverage Industries, the difference of \$212 million resulted mainly from the removal of the Poultry Processors industry from the 1960 compilations, as described earlier (\$119 million) and the transfer of several hundred feed reports from the manufacturing universe to non-manufacturing industries. Most of the feed establishments were found to be principally engaged in trade and, in line with the new establishment concept (see Explanatory Notes), were removed from the basic manufacturing industry statistics.

The difference of \$61 million in the Wood Industries total resulted mainly from the transfer of a large number of sawmills out of manufacturing to other industries and a change from a value of production basis (lumber sawn by contract was given full value) to a value of shipments basis (revenue only for contract sawing). Another reason was the consolidation of reports in the same area for the same company into a combined report where company records do not permit satisfactory reporting of different operations, such as sawmilling and planing, in separate questionnaires as was the practice in the past.

In the Petroleum and Coal Products industry the main factor in the difference of \$48 million in the value of shipments was the treatment of products made for own use (mostly fuel oil) in petroleum refineries. Previously, these products were valued and added to the value of products made for sale and also included as part of fuels consumed, thus inflating the value of both inputs and outputs of the industry. In the new approach, such products made for internal use are removed from the compilations so that the shipments from each establishment will reflect outward movement of goods.

The difference of \$27 million in the Miscellaneous Manufacturing Industries is accounted for partly by the removal from the 1960 figures of Dental Laboratories (\$12 million) as described earlier.

The differences of \$20 million in both the Printing and Publishing and Metal Fabricating industries are principally the result of removing book publishers and electroplating establishments (\$16 million and \$14 million, respectively) from the 1960 statistics as noted above.

Original and Revised Data, Number of Establishments and Selling Value of Factory Shipments, 1960

Province or industrial group	Number of establishments			Selling value of factory shipments		
	Original ¹	Revised ²	Difference	Original ¹	Revised ²	Difference
	number			dollars		
Newfoundland	635	396	- 239	129,284,578	126,980,575	- 2,304,003
Prince Edward Island	184	154	- 30	30,231,361	28,414,952	- 1,816,409
Nova Scotia	1,278	1,039	- 239	406,182,088	387,868,633	- 18,313,455
New Brunswick	901	768	- 133	377,110,146	369,107,808	- 8,002,338
Quebec	11,961	11,093	- 868	7,206,096,003	7,075,504,794	- 130,591,209
Ontario	13,387	12,090	- 1,297	11,685,675,652	11,479,327,327	- 206,348,325
Manitoba	1,592	1,414	- 178	738,457,346	711,218,538	- 27,238,808
Saskatchewan	887	682	- 205	344,773,261	329,944,928	- 14,828,333
Alberta	1,848	1,586	- 262	889,657,800	859,966,254	- 29,691,546
British Columbia	3,995	3,616	- 379	1,936,917,630	1,908,542,596	- 28,375,034
Yukon and Northwest Territories	14	14	-	3,071,218	2,927,723	- 143,495
Canada	36,682	32,852	- 3,830	23,747,457,083	23,279,804,128	- 467,652,955
Food and beverage industries	8,488	7,598	- 890	4,880,293,652	4,668,363,133	- 211,930,519
Tobacco products industries	40	39	- 1	334,413,635	334,369,583	- 44,052
Rubber industries	92	89	- 3	323,053,118	328,459,312	+ 5,406,194
Leather industries	608	580	- 28	268,114,309	265,667,310	- 2,446,999
Textile industries	924	886	- 38	810,522,933	795,930,026	- 14,592,907
Knitting mills	362	356	- 6	198,159,994	199,566,156	+ 1,406,162
Clothing industries	2,391	2,306	- 85	770,468,489	762,967,070	- 7,501,419
Wood industries	7,490	5,730	- 1,760	1,068,041,527	1,007,333,001	- 60,708,526
Furniture and fixture industries	2,099	2,070	- 29	347,980,824	341,989,146	- 5,991,678
Paper and allied industries	581	565	- 16	2,128,107,197	2,125,894,677	- 2,212,520
Printing, publishing and allied industries	3,462	3,410	- 52	865,930,729	845,827,676	- 20,103,053
Primary metal industries	418	404	- 14	2,742,520,031	2,728,773,897	- 13,746,134
Metal fabricating industries	2,896	2,756	- 140	1,432,904,803	1,412,484,773	- 20,420,030
Machinery industries	533	519	- 14	642,458,967	637,673,848	- 4,785,119
Transportation equipment industries	687	677	- 10	2,000,689,246	1,999,758,033	- 931,213
Electrical products industries	548	536	- 12	1,175,966,233	1,165,736,538	- 10,229,695
Non-metallic mineral products	1,331	1,296	- 35	647,461,580	639,089,796	- 8,371,784
Petroleum and coal products	96	91	- 5	1,197,967,758	1,150,421,636	- 47,546,122
Chemical and chemical products	1,143	1,063	- 80	1,373,466,548	1,357,688,488	- 15,778,060
Miscellaneous manufacturing industries	2,493	1,881	- 612	538,935,510	511,810,029	- 27,125,481

¹ As published in the 1960 report.

² As revised in the present (1961) report.

SECTION C. CHANGES IN THIS REPORT

Regular users of this report will notice in the current issue that some new series have been introduced, other series have been deleted or transferred to other publications, and the whole report has been rearranged in an effort to facilitate reference to the text and tabular material. Although reference to most of the changes is made in the relevant sections of the report, a summary of their salient features may enable users to appreciate the problems in concept, consistency and presentation that have led to their introduction.

1. Rearrangement of Contents

The report is divided into six main parts and two appendices, as follows:

Part I. Introduction

- (a) "Explanatory Notes", covering definitions and collection procedures;
- (b) "Changes in Concept and Classification", summarizing the effects of the revised Standard Industrial Classification introduced in 1960, and the New Establishment Concept introduced in 1961;
- (c) "Changes in this Report", summarized in this section; and
- (d) "Other Sources of Data on the Manufacturing Industries of Canada", summarizing some of the major sources of data on the manufacturing industries other than this report.

Part II. Growth of Manufacturing Industries

This part presents the manufacturing industries of Canada in 1961 in their historical context, beginning with a textual review of Canadian manufacturing in 1961. This is followed by several historical tables on principal statistics, going back in some instances to 1917, and by textual and tabular material on the indexes of industrial production. Finally, detailed tables of principal statistics on the revised (1960) Standard Industrial Classification and New Establishment Concept are presented by province, by industrial group and by industry for the 1957-61 period.

Part III. Selected Factors in Manufacturing Production

In this part some of the major inputs of capital, material and labour are analyzed, covering capital and repair expenditures, value of manufacturing inventory, employment, salaries and wages, and fuel and electrical energy consumption.

Part IV. Selected Characteristics of the Manufacturing Industries

This part presents a number of cross classifications by type of ownership and size of industrial establishments, based on both number of employees and selling value of factory shipments, as well as the relative rank of manufacturing industries on the basis of various principal statistics.

Part V. Provincial Distribution of Manufacturing Production

Several summary tables are followed by text and tabular material on the ten provinces, with the Atlantic Provinces and Prairie Provinces treated both regionally and individually.

Part VI. Sub-provincial Distribution of Manufacturing Production

In this part, principal statistics are presented in total for counties and census divisions, and for cities and towns having selling values of factory shipments of \$1,000,000 and over and with three or more establishments, and by industry for the six major manufacturing cities.

Appendix I. Industry Division Publications on the Manufacturing Industries

This list will enable users with special industry or commodity interests to determine additional sources of information on Canadian manufacturing industries, for many of which data are available on a monthly basis.

Appendix II. Facsimiles of the Long, Medium and Short Forms Used in 1961 Census of Manufactures

In general, these forms represent the questionnaires sent to large, medium and small establishments, respectively, for the 1961 Census of Manufactures. The usual criterion for this size classification is that of the selling value of factory shipments. However, newly-established firms or those in a transitional phase may temporarily receive forms of a type other than those applicable to the normal range of values of factory shipments for their particular industry. These ranges vary to some extent from industry to industry depending on the relative importance of small firms in the industry. For a more complete account of short and medium forms, see the sub-section "Short Forms" in Part I, Section A above; for the number of firms classified by province and the selling value of factory shipments, see Table 51 in Part V, Section A.

2. Additions

While not exhaustive, the following list is representative of the new statistical series appearing in this report:

- (a) Table 10, "Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, 1957-61" presents for the first time in a single report detailed statistics on individual industries on the basis of the revised (1960) Standard Industrial Classification and New Establishment Concept for the 1957-61 period.
- (b) Table 14, "Capital and Repair Expenditures by the Manufacturing Industries, by Industrial Group and Industry", gives details for individual industries, where these can be published, for 1960 and 1961.
- (c) Tables 42 and 43 give numbers and relative importance of establishments with selling value of factory shipments of \$1,000,000 and over in the 25 leading industries and in each of the provinces.
- (d) Tables 45 to 48, inclusive, present comprehensive data on individual industries ranked by various principal statistics.

3. Transfers to Other Reports

The "Alphabetical List of the Products Reported as having been Manufactured in Canada", which formerly appeared as Appendix II, has been issued as a separate publication entitled *Products Shipped by Canadian Manufacturers* (Catalogue No. 31-211). Subscribers to the 1961 issue of the "General Review" will have already received a complimentary copy of the 1961 issue of this new publication. In future, *Products Shipped by Canadian Manufacturers* will be sold separately at 75 cents and should be available well in advance of the *General Review*.

A companion table (No. 17 in the 1960 General Review) showing the quantities and values of the principal commodities produced or shipped by the manufacturing industries has been discontinued as the classification of the industry groupings on which the material was based has been changed and the detailed items can be obtained from *Products Shipped by Canadian Manufacturers*.

4. Deletions

Material deleted from the 1961 report falls into three main categories—historical data which are complete in themselves and which can be located in the reports for 1960 and earlier years; data which are not available because of the suspension of the surveys on which they are based; and data which can no longer be compiled on the same basis as previously because of conceptual changes arising from the implementation of the revised Standard Industrial Classification.

(a) **Historical Data.**— Among the text and tables appearing in the 1960 General Review but which are not included in this report are the following (pages in the 1960 General Review in parentheses):

- (i) Methods and Forms Used in Collecting and Compiling the Census of Manufactures for 1958, 1959 and 1960 (16-19)
- (ii) General Review of the Manufacturing Industries of Canada, 1945-59 (19-25)
- (iii) Average Annual Capital and Repair Expenditures by the Manufacturing Industries, 1945-60 (70, 71)
- (iv) Hours Worked in the Manufacturing Industries, 1938-60 (80-83)
- (v) Average Annual, Weekly and Hourly Earnings, 1934-60 (88-101)
- (vi) Power Equipment Installed in the Manufacturing Industries, 1926-58 (120, 121).

(b) **Data Not Available Because of Suspension of Surveys.**— Much of the data on hours worked and earnings in manufacturing industries published in Subsections 4 and 5 of Section 4 of the 1960 and previous reports was based on material compiled by the Bureau's Labour Division and published in detail in its report *Earnings and Hours of Work in Manufacturing* (DBS Catalogue No. 72-204). This report, based on an annual survey of earnings and hours of work of men and women in manufacturing establishments, during the last week of October, provides data supplementing the Labour Division's monthly surveys of employment, payrolls and manhours. Every third year the following

additional material is collected, with the last year for which the data were collected indicated in each category:

- 1. Percentage distributions of male and female wage-earners by hours worked in the survey week (1958).
- 2. Percentage distributions of male and female wage-earners and salaried employees by earnings in the week (1959).
- 3. Earnings and hours of general office and clerical workers as differentiated from administrative, professional, supervisory and other supervisory and other salaried employees (1960).

With the suspension of this survey in 1961, the usual data for several of the tables on hours worked and on average weekly and hourly earnings are not available. In general, the tables affected are those comparable to the historical series noted in Subsections (iv) and (v) of (a) above. Average annual salaries and wages, classified by sex, are also unavailable because data from this special survey were used in conjunction with Census of Manufactures data in their calculation.

(c) **Data No Longer Compiled on Comparable Basis.**— The introduction of the revised Standard Industrial Classification in 1960, with its orientation toward chief component material for manufactured articles of relatively simple fabrication and toward purpose or use for more complex products which can be made out of alternative materials, has made it impossible to continue to compile meaningful statistics solely on the basis of chief component material. As a result, Table 18 of the 1960 report, providing principal statistics on the basis of chief component material for selected years to 1959 has been discontinued. Because a similar problem exists in determining for many products and industries the origin of materials used (i.e. farm, mineral, forest, marine, wild life or mixed), Table 19 of the 1960 report, presenting principal statistics on the basis of origin of material used, has also been discontinued.

SECTION D. OTHER SOURCES OF DATA ON THE MANUFACTURING INDUSTRIES OF CANADA

In a general report of this type it is possible to indicate only the more obvious official sources of information on Canadian manufacturing industries. As the Dominion Bureau of Statistics is charged under the *Statistics Act* with the responsibility of, among other things, conducting a census of manufactures, it follows that much of the officially published data on Canadian manufacturing originates in the Bureau and, in particular, in its Industry Division. The results of the annual Census of Manufactures are published in a series of about 140 industry reports which are released as the compilations for individual industries are completed. In addition, a large number of quarterly and monthly reports and special compilations are published on specific aspects of individual industries.

A complete current list of the Industry Division's publications on manufacturing appears in Appendix I of this report.

Publications of several other Divisions of the Bureau also contain considerable data relevant to Canadian manufacturing and the best single source of the names of these is the *Publications Catalogue*, Dominion Bureau of Statistics available from the Information and Public Relations Division, Dominion Bureau of Statistics, Ottawa, or from the Queen's Printer, Ottawa. The following publications of other Bureau Divisions, with DBS catalogue numbers in parentheses, are

typical of both the general and specific information available on various aspects of manufacturing:

General

Canadian Statistical Review (11-003).— Index of industrial production; wages and salaries; manufacturing shipments, inventories and new orders; production of selected commodities; industry selling price indexes; wholesale price indexes, etc.

Labour

Employment and Payrolls (72-002).— Industry and area index numbers of employment and payrolls and averages of weekly wage and salary statistics.

Man-hours and Hourly Earnings (72-003).— Industry and area averages of hours per week, and hourly weekly wages.

External Trade

Exports by Commodities (65-004).— Detailed figures for exports, showing countries to which each commodity was exported; monthly figures and cumulative totals from beginning of calendar year.

Imports by Commodities (65-007).— Data for imports similar to those in 65-004 above.

PART II

GROWTH OF MANUFACTURING INDUSTRIES

SECTION A. GENERAL REVIEW, 1961

The recovery in Canadian manufacturing production that took place in 1959, and was temporarily halted in 1960, was again in evidence in 1961 when the volume of manufactured goods produced increased by 2.5 per cent. The index of the volume of manufacturing production, at 153.0 (1949=100), was the highest on record, exceeding the previous high of 149.8 in 1959 by 2.1 per cent. New records were also established for the value of factory shipments, at \$24,243,294,949; value added by manufacture, at \$10,682,137,680; and salaries and wages, at \$5,231,446,969. However, the number of employees, at 1,264,946, was 0.8 per cent lower than in 1960. This counter-movement in employment and production in 1961 is a continuation of the trend in recent years for a given volume of output to be produced by fewer employees. During the 1949-61 period, for example, the physical volume of manufacturing production increased by 53 per cent while the number of employees increased by only 8 per cent. The higher salaries and wages paid in 1961 resulted from the continuing advance in average salaries and wage rates, a trend common to all sectors of the economy.

Of tremendous importance in sustaining the high level of production in 1961 was the continued high spending on capital goods, such as construction and machinery and equipment of all kinds. Investment in capital goods amounted to \$8,172,000,000 in 1961, a decrease of \$90,000,000 from the previous year. Of the total spent, \$5,518,000,000 was for construction and \$2,654,000,000 for machinery and equipment. Spending for construction was \$65,000,000 higher while for machinery and equipment it was \$155,000,000 lower. The high level of construction and an increase in the exports of timber and lumber is reflected in increases of 2.6 per cent in the volume output of the wood industries and 4.4 per cent in non-metallic mineral products.

Export demand for Canadian manufactured products was also a strong factor in stimulating the high level of production in 1961. Exports of fabricated materials advanced from \$2,874,300,000 in 1960 to \$2,916,400,000 in 1961, an increase of 1.5 per cent. Substantial improvements were shown in the amounts of timber and lumber, wood pulp, newsprint, whiskey, nickel, fertilizers, aircraft, lead and lead products, non-farm machinery and synthetic plastics going abroad, but at the same time declines occurred in such major export items as shingles, veneer and plywood, wheat flour, farm implements and machinery, aluminum and its products, copper and its products, zinc, automobiles and parts, artificial abrasives, synthetic rubber and plastics and uranium ores and concentrates.

As already mentioned, the index of the volume of manufacturing production as a whole reached an all-time high of 153.0 in 1961. Between 1960 and 1961 the volume of non-durable or consumer goods produced increased 3.4 per cent while the volume of durable goods advanced only 1.4 per cent. Since the end of the Second World War production of the non-durable goods industries experienced an almost uninterrupted expansion, but recorded an increase in volume of only 54 per cent between 1946 and 1956 while durable goods increased 92 per cent in the same period. The gap between the two sectors was narrowed in the years 1957 to 1961, so that for the whole period 1946-61 production of durable goods expanded 86 per cent and non-durable goods 75 per cent.

All industries producing non-durable goods, with the exception of the clothing and knitting mills group, reported increased volume in 1961. The greatest increase in volume of 11.2 per cent was attained by the miscellaneous industries group. This was followed by leather products with an increase of 10.7 per cent, textiles 9.9 per cent, tobacco and tobacco products 6.4 per cent, paper products 3.4 per cent, products of petroleum and coal 3.3 per cent, foods and beverages 2.7 per cent, rubber and rubber products 1.7 per cent, printing, publish-

ing and allied industries 1.1 per cent and chemicals and allied products 1.1 per cent. Volume output of clothing factories and knitting mills declined 0.7 per cent. The significant feature in 1961 was the upsurge in the output of leather products and textiles. These two groups which were operating during the previous few years at comparatively low levels materially bettered their position during 1961.

In the durable goods sector the trend in 1961 was mixed. Four of the groups reported increases and two declines. Of the groups reporting increased volume, non-metallic mineral products had the highest increase of 4.4 per cent, followed by wood products with 2.6 per cent, iron and steel products 1.5 per cent and electrical apparatus and supplies 1.3 per cent. The output of non-ferrous metal products dropped 0.5 per cent and transportation equipment 0.2 per cent.

The level of manufacturing activity in 1961, as measured by the number of persons employed, was lower in all provinces except Newfoundland, Prince Edward Island and New Brunswick. The greatest increase of 6.2 per cent was reported by Newfoundland, followed by an increase of 3.2 per cent in Prince Edward Island and 1.5 per cent in New Brunswick. The greatest loss in employment was suffered by Nova Scotia with a drop of 4.2 per cent. This was followed by British Columbia with a drop of 1.4 per cent, Quebec 1.3 per cent, Saskatchewan 1.0 per cent, Ontario 0.5 per cent, Alberta 0.3 per cent and Manitoba 0.2 per cent.

Despite the great industrial progress made by other provinces, Ontario continued to maintain its predominance, and in 1961 accounted for 49.3 per cent of the total value of factory shipments. Quebec, with 30.2 per cent of the total shipments, ranked as the second largest industrial province, while British Columbia with 8.1 per cent of the total ranked third. Ontario as the leading producer of durable goods experiences wider fluctuations in production than other provinces since durable goods are more affected by swings in the business cycle than the production of non-durable or consumer goods. For this reason Ontario's share of the total goes up when production generally expands and declines when output drops.

The tremendous development which has taken place in Canadian manufacturing since the end of the Second World War is illustrated in the tables which follow this review. Between 1946 and 1961 the physical volume of manufactured products increased a remarkable 79.6 per cent. Part of this advance resulted from an increased demand abroad for Canadian manufactured goods, part to the demands made on Canadian industry as a result of expansion in the economy during the 15-year period, and part to the increase in the standard of living of the Canadian people. The increase of 85.7 per cent in the output of durable goods consisting extensively of building materials, machinery and equipment of all kinds reveals the extent of the contribution made by Canadian industry to the substantial expansion in the productive capacity of the country. Non-durable goods during the same period increased by 74.8 per cent.

With only two exceptions, all groups in both the durable and non-durable sectors recorded marked advances in volume of output since 1946. The exceptions were clothing, including knitting mills which advanced only 12.4 per cent and leather products which remained practically unchanged. In the durable goods sector the most striking advance was made by the non-metallic mineral products group with an increase of 205.8 per cent. This was followed by electrical apparatus and supplies 169.7 per cent, non-ferrous metal products 80.4 per cent, iron and steel products 72.5 per cent, transportation equipment 61.0 per cent and wood products 60.8 per cent.

In the non-durable goods sector the greatest advance was made by the products of petroleum and coal group which recorded a gain of 248.3 per cent. This was the highest increase of any group in either sector. Miscellaneous industries with an increase of 165.6 per cent came second, followed by chemicals and allied products 155.3 per cent, tobacco and tobacco prod-

ucts 113.7 per cent, beverages 99.0 per cent, printing, publishing and allied industries 92.7 per cent, paper products 89.4 per cent, rubber and rubber products 62.8 per cent, textiles 51.7 per cent, foods 46.8 per cent and clothing, including knitting mills 12.4 per cent. The output of the leather products group declined 0.2 per cent.

SECTION B HISTORICAL STATISTICS, 1917-61

Statistics on manufacturing in Canada have been collected since 1870, originally in connection with the decennial or quinquennial censuses for the period 1870 to 1915, and, since 1917, through the annual Census of Manufactures. Although every effort has been made to maintain comparability in the statistics since 1917, as shown in Table 1, changes in coverage of industries, type of data collected and the method of its treatment have inevitably introduced discontinuities or lack of comparability in certain components. One such major change in concept occurred in 1952 when the gross value of products was replaced by the value of factory shipments. More recently, as explained in Part I, the introduction of the Revised Standard Industrial Classification in 1960 and the New Establishment

Concept in 1961 led to a break in continuity with previous years. An indication of the effects of these revisions in classification and concept is given in Table 1 where statistics for the 1957-59 period are given on both the 1948 Standard Industrial Classification and manufacturing activity concept and the revised (1960) Standard Industrial Classification and New Establishment Concept. Under this latter concept, a manufacturing establishment (i.e. one whose major activity is manufacturing) is the smallest reporting unit capable of reporting all of the following: materials and supplies used, goods purchased for resale as such, fuel and power consumed, number of employees and their pay, inventories, and shipments or sales.

TABLE 1. Summary Statistics of Manufactures, 1917-61

Note: Statistics of manufacturing from 1870 have been published, but between that year and 1917 they are not on a comparable basis to the series given below. They will be found in Table 1 in the 1941 edition of this report. Statistics of the non-ferrous metal smelting industries were not included in manufactures prior to 1925.

Year	Establishments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture ¹	Gross value of products ²
	number				dollars	
1917	21,845	605,523	497,801,844	1,539,678,811	1,281,131,980	2,820,810,791
1918	21,777	602,179	567,991,171	1,827,631,548	1,399,794,849	3,227,426,397
1919	22,083	594,066	601,715,668	1,779,056,765	1,442,400,638	3,221,457,403
1920	22,532	598,893	717,493,876	2,085,271,649	1,621,273,348	3,706,544,997
1921	20,848	438,555	497,399,761	1,365,292,885	1,123,694,263	2,488,987,148
1922	21,016	456,256	489,397,230	1,272,651,585	1,103,266,106	2,375,917,691
1923	21,080	506,203	549,529,831	1,456,595,367	1,206,332,107	2,662,927,474
1924	20,709	487,610	534,467,675	1,422,573,946	1,075,458,459	2,570,561,931
1925	20,981	522,924 ³	569,944,442	1,571,788,252	1,167,936,726	2,816,864,958
1926	21,301	559,161 ³	625,682,242	1,712,519,991	1,305,168,549	3,100,604,637
1927	21,501	695,052 ³	662,705,332	1,741,128,711	1,427,649,292	3,257,214,876
1928	21,973	631,429 ³	721,471,634	1,894,027,183	1,597,887,676	3,582,345,302
1929	22,216	665,531 ³	777,291,217	2,029,670,813	1,755,386,937	3,883,446,116
1930	22,618	614,696 ³	697,555,378	1,664,787,763	1,522,737,125	3,280,236,603
1931	23,083	528,640	587,566,990	1,221,911,982	1,252,017,248	2,555,126,448
1932	23,102	468,833	473,601,716	954,381,097	955,960,724	1,980,471,543
1933	23,780	468,658	436,247,824	967,788,928	919,671,181	1,954,075,785
1934	24,209	519,812	503,851,055	1,229,513,621	1,087,301,742	2,393,692,729
1935	24,034	556,664	559,467,777	1,419,146,217	1,153,485,104	2,653,911,209
1936	24,202	594,359	612,071,434	1,624,213,996	1,289,592,672	3,002,403,814
1937	24,834	660,451	721,727,037	2,006,926,787	1,508,924,867	3,625,459,500
1938	25,200	642,016	705,668,589	1,807,478,028	1,428,286,778	3,337,681,366
1939	24,805	658,114	737,811,153	1,836,159,375	1,531,051,901	3,474,783,528
1940	25,513	762,244	920,872,865	2,449,721,903	1,942,471,238	4,529,173,316
1941	26,293	961,178	1,264,862,643	3,296,547,019	2,605,119,788	6,076,308,124
1942	27,862	1,152,091	1,682,804,842	4,037,102,725	3,309,973,758	7,553,794,972
1943	27,652	1,241,068	1,987,292,384	4,690,493,083	3,816,413,541	8,732,860,999
1944	28,483	1,222,882	2,029,621,370	4,832,333,356	4,015,776,010	9,073,692,519
1945	29,050	1,119,372	1,845,773,449	4,473,668,847	3,564,315,899	8,250,368,866
1946	31,249	1,058,156	1,740,687,254	4,358,234,766	3,467,004,980	8,035,692,471
1947	32,734	1,131,750	2,085,925,966	5,534,280,019	4,292,055,802	10,081,026,580
1948	33,420	1,155,721	2,409,368,190	6,632,881,628	4,938,786,981	11,875,169,685
1949 ⁴	35,792	1,171,207	2,591,890,657	6,843,231,064	5,330,566,434	12,479,593,300
1950 ⁴	35,942	1,183,297	2,771,267,435	7,538,534,532	5,942,058,229	13,817,526,381
1951 ⁴	37,021	1,258,375	3,276,260,917	9,074,526,353	6,940,946,783	16,392,187,132
1952 ⁴	37,929	1,288,382	3,637,620,160	9,146,172,494	7,443,533,199	16,982,687,035
1953 ⁴	38,107	1,327,451	3,957,018,348	9,380,558,682	7,993,069,351	17,785,416,854
1954 ⁴	38,028	1,267,966	3,896,687,691	9,241,857,554	7,902,124,137 ⁵	17,554,527,504 ⁵
1955 ⁴	38,182	1,298,461	4,142,409,534	10,338,202,165	8,753,450,496	19,513,933,811
1956 ⁴	37,428	1,353,020	4,570,692,190	11,721,536,889	9,605,424,579	21,636,748,986
1957 ⁴	37,875	1,359,061	4,819,627,999	11,900,751,703	9,822,084,726	22,183,594,311
1958 ⁴	36,741	1,289,602	4,802,496,260	11,821,567,471	9,792,505,931	22,163,186,308
1959 ⁴	36,193	1,303,956	5,073,073,706	12,552,200,543	10,320,962,881	23,311,601,481

See footnotes at end of table.

TABLE 1. Summary Statistics of Manufactures, 1917-61 - Concluded

Year	Establishments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture ¹	Gross value of products ²
Basis: Revised Standard Industrial Classification and New Establishment Concept ⁷						
	number				dollars	
1957 ⁷	33,551	1,340,948	4,778,039,547	11,698,789,116	..	21,452,342,614
1958 ⁷	32,446	1,272,686	4,758,614,431	11,630,824,511	9,454,953,713	21,434,815,270
1959 ⁷	32,075	1,287,809	5,030,128,199	12,339,558,078	10,154,277,148	22,830,826,631
1960 ⁷	32,852	1,275,476	5,150,503,040	12,451,637,236	10,371,284,023	23,279,804,128
1961 ⁷	32,415	1,264,946	5,231,446,969	13,127,707,976	10,682,137,680	24,243,294,949

¹ For 1924-51, inclusive, the "Value added by manufacture" is computed by subtracting the cost of fuel, electricity and materials from the gross value of products. For 1952 and 1953 the deduction is made from "Value of factory shipments"; in 1954 and subsequent years, from the calculated value of production which is obtained by adding to the shipments the value of the closing inventory minus the value of the opening inventory of goods in process and finished goods. Figures prior to 1924 are not strictly comparable, since statistics for the cost of electricity are not available.

² In 1952 and subsequent years the basis of collection for most industries is "Value of factory shipments" instead of "Gross value of products".
³ A change in the method of computing the number of wage-earners in the years, 1925 to 1930, inclusive, increased the number somewhat over that which the method otherwise used would have given. In 1931, however, the method in force prior to 1925 was readopted.

⁴ Newfoundland is included for 1949 and subsequent years; however, figures for the fish processing industry, 1949 and 1950, were not available for this province and therefore, not included.

⁵ There were three major changes in concept affecting the data for the Primary Iron and Steel Industry in 1954. The first one involved a change in the method of counting establishments; the second concerned a change in valuing shipments of wire rods transferred to makers' own processing plants; while the third concerned the method of calculating "Value added by manufacture". Figures for 1954 and subsequent years are therefore not comparable with previous years. See footnotes to Table 2 of the 1954 report on the Primary Iron and Steel Industry.

⁶ In 1954 there was a change in procedure of reporting the value of products in the Petroleum products industry. This increased the value of products by approximately \$139,000,000. Another change was made in 1959 which lowered the value of production in the Petroleum Refining Industry by \$300,000,000. In the revised series (1957-61) the figures are comparable through the period on the latest revised basis.

⁷ The introduction of a revised industrial classification in 1960 and the implementation of a new definition of the establishment (reporting unit) in 1961 have resulted in certain changes and necessitated some adjustments "to the statistics". In order to maintain comparability of the principal statistics for recent years, the necessary adjustments were applied to the data back to 1957. (See "Changes in Classification and Concept" in Part I Introduction, Section B).

TABLE 2. Totals and Averages per Establishment and Employee for Principal Statistics, Selected Years, 1917-61

Item	1917	1920	1929 ¹	1933	1939
Establishments No.	21,845	22,532	22,216	23,780	24,805
Total employees "	606,523	598,893	666,531	468,658	658,114
Average per establishment "	27.8	26.6	30.0	19.7	26.5
Total salaries and wages \$	497,801,844	717,493,876	777,291,217	436,247,824	737,811,153
Average per establishment \$	22,788	31,843	34,988	18,345	29,744
Average per employee \$	821	1,198	1,166	931	1,121
Administrative and office employees No.	64,918	78,334	88,841	86,636	124,772
Average per establishment "	3.0	3.5	4.0	3.6	5.0
Salaries \$	85,353,667	141,837,361	175,553,710	139,317,946	217,839,334
Average per employee \$	1,315	1,811	1,976	1,608	1,746
Production workers No.	541,605	520,559	577,690	382,022	533,342
Average per establishment "	24.8	23.1	26.0	16.1	21.5
Wages \$	412,448,177	575,656,515	601,737,507	296,929,878	519,971,819
Average per employee \$	762	1,106	1,042	777	975
Cost of materials \$	1,539,678,811	2,085,271,649	2,029,670,813	967,788,928	1,836,159,375
Average per establishment \$	70,482	92,547	91,361	40,698	74,024
Average per employee \$	2,539	3,482	3,045	2,065	2,790
Value added by manufacture ³ \$	1,281,131,980	1,621,273,348	1,755,386,937	919,671,181	1,531,051,901
Average per establishment ³ \$	58,646	71,954	79,015	38,674	61,724
Average per employee ³ \$	2,112	2,707	2,634	1,962	2,326
Gross value of products \$	2,820,810,791	3,706,544,997	3,883,446,116	1,954,075,785	3,474,763,528
Average per establishment \$	129,128	164,501	174,804	82,173	140,084
Average per employee \$	4,651	6,189	5,826	4,170	5,820
Cost of fuel and electricity ..... \$	..	..	98,388,366	66,615,676	107,572,252
Average per establishment ..... \$	..	..	4,428	2,801	4,337
Average per production worker ..... \$	..	..	172	174	202

See footnotes at end of table.

TABLE 2. Totals and Averages per Establishment and Employee for Principal Statistics, Selected Years, 1917-61 - Concluded

	1944	1949	1954	1960 ³	1961 ³
Establishments No.	28,483	35,792	38,028	32,852	32,415
Totals employees "	1,222,882	1,171,207	1,267,966	1,275,476	1,264,946
Average per establishment "	42.9	32.7	33.3	38.8	39.0
Total salaries and wages \$	2,029,621,370	2,591,890,657	3,896,687,691	5,150,503,040	5,231,446,969
Average per establishment \$	71,257	72,415	102,469	156,779	161,390
Average per employee \$	1,660	2,213	3,073	4,038	4,136
Administrative and office employees No.	192,558	221,551	278,936	303,866	295,670
Average per establishment "	6.8	6.2	7.3	9.2	9.1
Salaries \$	418,065,594	628,427,937	1,075,101,215	1,585,379,151	1,595,333,662
Average per employee \$	2,171	2,836	3,854	5,217	5,362
Production workers No.	1,030,324	949,656	989,030	971,610	969,276
Average per establishment "	36.2	26.5	26.0	29.8	29.9
Wages \$	1,611,555,776	1,963,462,720	2,821,586,476	3,565,123,889	3,646,113,307
Average per employee \$	1,564	2,068	2,853	3,669	3,762
Cost of materials \$	4,832,333,356	6,843,231,064	9,241,657,554	12,451,637,236	13,127,707,976
Average per establishment \$	169,657	191,194	243,028	379,022	404,989
Average per employee \$	3,952	5,843	7,289	9,762	10,378
Value added by manufacture ¹ \$	4,015,776,010	5,330,566,434	7,902,124,137	10,371,284,023	10,682,137,680
Average per establishment ¹ \$	140,989	148,932	207,798	315,697	329,543
Average per employee ² \$	3,284	4,551	6,232	8,131	8,445
Gross value of products \$	9,073,692,519	12,479,593,300	17,554,527,504 ⁴	23,279,804,128 ⁴	24,243,249,949 ⁴
Average per establishment \$	318,585	348,670	461,621	708,627	747,904
Average per employee \$	7,420	10,655	13,845	18,252	19,165
Cost of fuel and electricity \$	225,583,153	305,795,802	424,432,228	503,978,312	515,384,755
Average per establishment \$	7,920	8,544	11,161	15,341	15,900
Average per production worker \$	219	322	429	519	532

¹ A change in the method of computing the number of production workers in the years 1925 to 1930, inclusive, increased the number somewhat over that which the method otherwise used would have given. There was, therefore, a proportionate reduction in the averages for 1925-30 per employee as compared with what these averages would have been under the other method. In 1931, however, the method in force prior to 1925 was re-adopted. The figures for 1931 and for later years are therefore comparable with those for 1924 and earlier years.

² See footnote 1, Table 1.

³ Based on revised (1960) Standard Industrial Classification and New Establishment Concept; not directly comparable with years prior to 1960.

⁴ See footnote 2, Table 1.

TABLE 3. Changes in Selected Principal Statistics of the Manufacturing Industries in Canada, by Province and Industrial Group, 1957 to 1961 and 1960 to 1961

Province or industrial group	1957 to 1961			1960 to 1961		
	Number of employees	Salaries and wages	Selling value of factory shipments	Number of employees	Salaries and wages	Selling value of factory shipments
	per cent					
Newfoundland	+ 2.1	+ 12.0	+ 20.6	+ 6.2	+ 11.3	+ 8.1
Prince Edward Island	+ 13.1	+ 36.0	+ 31.5	+ 3.2	+ 4.2	+ 5.7
Nova Scotia	- 12.5	- 0.5	- 5.8	- 4.2	- 2.4	- 3.2
New Brunswick	+ 8.6	+ 23.0	+ 29.9	+ 1.5	+ 3.7	+ 7.7
Quebec	- 4.8	+ 10.8	+ 12.0	- 1.3	+ 1.3	+ 3.6
Ontario	- 7.0	+ 7.8	+ 9.9	- 0.5	+ 1.6	+ 4.2
Manitoba	- 4.7	+ 13.5	+ 17.9	- 0.2	+ 3.9	+ 8.3
Saskatchewan	+ 4.3	+ 22.1	+ 15.8	- 1.0	+ 1.8	+ 4.4
Alberta	+ 0.3	+ 18.1	+ 23.7	- 0.3	+ 2.7	+ 8.6
British Columbia	- 6.6	+ 9.4	+ 11.0	- 1.4	+ 1.3	+ 3.1
Yukon and Northwest Territories	- 15.3	+ 4.4	+ 12.9	+ 11.3	+ 10.6	+ 17.3
Totals	- 5.7	+ 9.5	+ 11.5	- 0.8	+ 1.5	+ 4.1
Food and beverage industries	- 0.1	+ 18.0	+ 18.7	- 1.1	+ 1.0	+ 5.1
Tobacco products industries	- 4.7	+ 17.5	+ 34.4	- 3.0	- 2.1	+ 0.2
Rubber industries	- 15.0	- 1.5	- 1.1	- 7.1	- 3.0	+ 0.8
Leather industries	- 0.5	+ 13.7	+ 20.8	+ 3.8	+ 7.3	+ 9.6
Textile industries	- 6.7	+ 7.5	+ 19.5	+ 3.0	+ 4.9	+ 10.0
Knitting mills	- 2.9	+ 11.6	+ 26.3	+ 1.3	+ 4.0	+ 9.9
Clothing industries	- 1.9	+ 9.6	+ 9.0	+ 1.6	+ 3.9	+ 5.1
Wood industries	- 9.2	+ 8.0	+ 9.6	- 3.3	+ 0.8	+ 2.8
Furniture and fixture industries	- 1.3	+ 12.7	+ 15.0	- 1.7	+ 1.3	+ 5.9
Paper and allied industries	- 0.2	+ 16.0	+ 17.5	- 0.4	+ 2.8	+ 3.8
Printing, publishing and allied industries	+ 2.6	+ 21.8	+ 23.9	- 0.4	+ 2.4	+ 3.1
Primary metal industries	- 5.5	+ 10.4	+ 13.5	- 2.3	+ 1.5	+ 2.9
Metal fabricating industries (except machinery and transportation equipment industries)	- 6.3	+ 6.7	+ 12.2	- 2.3	- 0.4	+ 5.7
Machinery industries (except electrical machinery)	- 8.3	+ 8.5	+ 7.2	- 3.0	- 1.5	+ 0.3
Transportation equipment industries	- 25.6	- 11.8	- 13.6	- 1.3	+ 0.5	+ 1.9
Electrical products industries	- 11.6	+ 0.6	+ 2.1	+ 0.9	+ 1.3	+ 3.4
Non-metallic mineral products	+ 3.2	+ 19.5	+ 18.2	- 2.9	+ 1.0	+ 5.6
Petroleum and coal products industries	- 7.1	+ 11.1	- 8.8	- 1.8	+ 1.3	+ 6.1
Chemical and chemical products industries	- 2.6	+ 16.4	+ 26.4	- 3.1	+ 0.8	+ 5.6
Miscellaneous manufacturing industries	+ 14.8	+ 34.5	+ 40.3	+ 4.7	+ 6.9	+ 12.3

Value and Volume of Manufactured Production. — In assessing the growth of manufacturing in real terms, it is necessary to adjust the current dollar values of factory shipments for changes in price levels. Although there is currently no composite price index designed to measure these variations for manufacturing as a whole, the DBS Prices Division compiles and publishes industry selling prices for 102 individual industries. DBS Reference Paper No. 62-515, *Industry Selling Price Indexes 1956-59*, contains tables, explanatory text, charts and weights relating to these indexes; current indexes are published monthly in *Prices and Price Indexes*. The fundamental distinction between industry selling price indexes and wholesale price indexes is that the former are compiled on the basis of the 1948 Standard Industrial Classification while the latter are classified by commodity on a chief component material basis. It has been

found, however, that in the period for which the industry selling price indexes have been published (1956 to date) there has been a very close relationship between the movements of the two series of indexes. For practical purposes, this means that, for individual industries since 1956, industry selling price indexes will provide the most appropriate measure of price variations; for manufacturing as a whole, particularly for the period prior to 1956 for which there are no industry selling price indexes, either the general wholesale price index or the price index of fully and chiefly manufactured products will provide an approximate indication of the movement of prices of manufactured goods as these latter indexes are composed mainly of manufacturers' prices. Indexes for selected years since 1917, on the base period 1935-39 = 100, are as follows:

Year	General wholesale price index	Price index of fully and chiefly manufactured goods	Year	General wholesale price index	Price index of fully and chiefly manufactured goods
1917	148.9	150.9	1953	220.7	228.8
1920	203.2	208.2	1956	225.6	231.5
1926	130.3	133.0	1957	227.4	237.9
1929	124.6	123.7	1958	227.8	238.3
1933	87.4	93.3	1959	230.6	241.6
1939	99.2	101.9	1960	230.9	242.2
1944	130.6	129.1	1961	233.3	244.5
1949	198.3	199.2			

A more direct measure of the growth of manufacturing in physical terms is available in the Index of the Volume of Industrial Production which, like Industry Selling Price Indexes, is based on the 1948 Standard Industrial Classification. Indexes of the Volume of Industrial Production in Canada have been published by the Dominion Bureau of Statistics since the early 1920's and have been revised periodically over the years to improve their usefulness and reliability as indicators of economic activity. The index currently in use is based on 1949 = 100 and covers three industries — mining, manufacturing, and electric power and gas utilities. Manufacturing has a base-period industry weight of 84.83 per cent of which non-durable goods account for 45.74 per cent and durable goods, 39.09 per cent. It is evident, therefore, that changes in the manufacturing sector have significant effects on the movement of the Index of Industrial Production.

The construction and publication of the Index of Industrial Production is the responsibility of the Industrial Output Section of the Bureau's National Accounts and Balance of Payments Division. A description of the concepts, scope, weights and methods of compilation of the index is contained in the report *Revised Index of Industrial Production 1935-57* (Catalogue No. 61-502) while a description of the extension of the index back to 1919 is contained in the March 1963 *Annual Supplement to the Monthly Index of Industrial Production* (Catalogue No. 61-005). The following summary description of the index covering the 1919-61 period is derived in large part from the latter publication and, along with the indexes for the 1919-34 period in Table 3, appears in the *General Review* for the first time.

Any attempt to express a period of more than 40 years on a single weight basis is bound to introduce certain discontinuities because of the tremendous changes in industrial structure which have taken place in Canada since the early 1900's. Although every effort has been made to produce an index as comparable as possible from 1919 to the present, the series have, in fact, been computed on three different time and weight bases and have been mechanically expressed on one reference or time base, 1949. The period from 1919 to 1935 was computed on a weight-base of 1926 = 100 using gross values, and, since the manufacturing index for this period was based on only 29 commodity series, its coverage is much less inclusive, and

reliability therefore probably less dependable, than during later periods, at least in terms of annual levels. However, it should be noted that, even if benchmark or annual indexes were available for the earlier period, the month-to-month movements would be substantially the same.

The original 1935-39-based index, described in DBS Reference Paper No. 34, was superseded by the 1949-based index contained in the DBS Reference Paper *Revised Index of Industrial Production 1935-57* mentioned above. The indexes in the latter publication were linked to the earlier material at 1946 and extended back to 1935. These indexes have now been linked at 1935 to the 1926-based indexes and extended back to 1919. Thus, indexes for the 1919 to 1934 period were derived using 1926 weights, the 1935-45 period using 1935-39 weights, and the period from 1946 to the present, 1949 weights.

It should be noted that it was not considered feasible to attempt a breakdown of manufacturing into durable and non-durable components prior to 1935 as the index of manufacturing production for the period from 1919 to 1934 is essentially one of commodity, rather than industry, output. One further qualification should be noted. The components of the durable goods and non-durable goods sectors for the 1935-61 period are based on the unrevised (1948) Standard Industrial Classification rather than on the revised (1960) Standard Industrial Classification applicable to most other series in this report for the 1957-61 period. Plans are under way to convert the Index of Industrial Production to the revised Standard Industrial Classification and a new base year of 1961 but, because of the immensity of the task, it will be some considerable time before the 1961-based index is available.

Canadian manufacturing output, as measured by the index of total volume of manufacturing production, has shown an 80 per cent gain from the post World War II low in 1946 of 85.2 (1949 = 100) to 153.0 in 1961. In this 15-year period, there were only four years in which decreases were registered: 1954, with 2.8 per cent, 1957 and 1958 with 1.5 per cent each, and 1960, with 0.3 per cent. Seven years (1947, 1950, 1951, 1953, 1955, 1956 and 1959) had gains in excess of 5 per cent with the largest increases, 9.6 per cent and 9.4 per cent, occurring in 1955 and 1947, respectively.

In 1961 the 2.5 per cent gain in manufacturing comprised a greater increase in production of non-durable goods (3.4 per cent) than of durable goods (1.4 per cent). Almost all components of the non-durable goods group registered increases, ranging as high as 11.2 per cent for miscellaneous industries. Two other groups, leather products and textile products (except clothing) registered significant gains of 10.7 and 9.9 per cent, respectively, over the previous year. In terms of growth since 1949, the products of petroleum and coal, with an index of 258.8, led other groups by a fairly wide margin.

Changes in the major groups of durable goods were much less marked than for non-durables, with four of the six groups differing by less than two per cent from 1960. Two of these, iron and steel products and electrical apparatus and supplies,

showed gains of 1.5 and 1.3 per cent, respectively, while the other two, transportation equipment and non-ferrous metal products, were down by 0.2 and 0.5 per cent, respectively. The remaining two groups, wood products and non-metallic mineral products, registered gains of 2.6 and 4.4 per cent, respectively. The latter group also has shown the greatest overall growth since 1949, with an index of 220.2, followed by electrical apparatus and supplies with 182.6. Transportation equipment, with an index of 129.8, has shown the smallest gain since 1949.

Current detailed monthly data on the indexes of industrial production, both unadjusted and adjusted for seasonal variation, are available in the DBS publications *Index of Industrial Production* (Catalogue No. 61-005) and *Canadian Statistical Review* (Catalogue No. 11-003).

TABLE 4. Indexes of the Volume of Manufacturing Production,¹ 1919-61
(1949 = 100)

Year	Total manu- facturing	Non-durable manu- facturing	Durable manu- facturing	Year	Total manu- facturing	Non-durable manu- facturing	Durable manu- facturing
1919	28.1			1941	78.7	73.7	85.8
1920	26.3			1942	96.1	84.3	112.1
1921	22.9			1943	104.0	85.9	128.2
1922	28.7			1944	108.1	89.5	128.3
1923	32.8			1945	92.9	88.2	99.8
1924	32.8			1946	85.2	89.8	79.9
1925	35.6			1947	93.2	93.2	93.3
1926	38.6			1948	97.3	96.3	98.4
1927	39.1			1949	100.0	100.0	100.0
1928	43.5			1950	106.2	106.0	106.5
1929	45.3			1951	115.0	110.8	119.9
1930	38.1			1952	118.5	113.2	124.8
1931	32.7			1953	126.4	120.2	133.6
1932	28.6			1954	122.9	121.2	124.8
1933	30.8			1955	134.7	130.4	139.7
1934	36.4			1956	145.1	138.1	153.3
1935	39.0	44.1	32.7	1957	142.9	139.7	146.7
1936	43.0	48.1	36.9	1958	140.7	141.3	139.9
1937	49.2	52.8	44.9	1959	149.8	150.1	149.5
1938	45.3	49.0	40.9	1960	149.3	151.8	146.4
1939	48.7	53.7	42.7	1961	153.0	157.0	148.4
1940	60.4	61.6	59.3				

¹ Based on the unrevamped (1948) Standard Industrial Classification.

TABLE 5. Indexes of the Volume of Non-durable Manufacturing Production¹, 1935 - 61
(1949 = 100)

Year	Total non-durable manufacturing	Foods and beverages	Tobacco and tobacco products	Rubber products	Leather products	Textile products (except clothing)	Clothing (textile and fur)	Paper products	Printing, publishing and allied trades	Products of petroleum and coal	Chemicals and allied products	Miscellaneous industries
1935	44.1	44.5	31.1	49.8	70.8	49.7	57.2	38.6	50.2	37.8	31.4	31.4
1936	48.1	49.8	35.7	54.5	71.1	55.5	60.5	42.4	53.2	40.8	33.7	34.3
1937	52.8	53.1	41.4	63.6	78.1	59.8	65.3	48.9	56.5	44.9	39.3	37.1
1938	49.0	53.3	45.9	55.0	68.9	48.1	61.3	39.3	52.9	44.4	37.9	36.9
1939	53.7	56.3	49.2	60.4	80.3	59.5	67.3	45.2	54.7	48.1	40.7	38.6
1940	61.6	62.4	53.1	66.0	85.7	81.8	78.2	54.3	54.6	53.6	49.8	42.6
1941	73.7	72.3	61.3	87.5	104.2	91.7	88.4	61.6	60.6	61.1	77.2	60.8
1942	84.3	77.6	76.0	85.3	110.8	102.0	100.9	61.5	61.2	59.4	126.5	88.5
1943	85.9	80.8	82.3	83.3	111.6	93.8	97.7	60.0	59.7	65.1	135.1	112.1
1944	89.5	89.5	89.6	84.4	110.5	87.9	91.7	63.9	61.4	73.6	142.8	113.0
1945	88.2	91.7	103.2	102.1	114.5	87.5	91.4	69.1	67.3	71.9	107.1	98.3
1946	89.8	98.0	90.6	89.5	124.0	88.7	95.3	81.0	76.9	74.3	78.0	80.2
1947	93.2	97.2	93.4	127.4	109.1	94.0	92.2	89.1	83.6	79.8	90.8	84.1
1948	96.3	98.5	93.4	116.4	95.5	97.3	97.6	94.9	92.6	89.9	95.7	81.4
1949	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1950	106.0	103.8	103.4	116.8	95.6	112.5	101.3	109.3	101.5	111.9	107.7	104.8
1951	110.8	106.8	95.0	124.9	90.4	113.1	101.2	117.5	105.1	128.5	120.0	119.0
1952	113.2	113.5	108.0	118.9	101.0	102.9	111.4	113.4	107.5	140.1	122.3	121.8
1953	120.2	117.4	120.3	130.3	106.4	107.9	115.0	118.1	114.7	153.5	139.9	141.1
1954	121.2	120.6	124.7	119.2	100.2	94.3	108.9	124.1	121.6	165.0	152.1	134.3
1955	130.4	126.8	135.5	141.0	106.9	114.0	112.8	131.0	127.1	188.3	165.5	136.4
1956	138.1	133.1	145.9	154.0	115.6	117.3	117.6	137.8	137.3	216.1	174.8	147.0
1957	139.7	135.6	161.0	147.8	115.6	117.6	116.8	135.5	138.2	223.5	183.4	153.3
1958	141.3	141.9	173.2	137.2	114.4	109.9	114.4	135.6	134.4	216.8	198.0	166.3
1959	150.1	147.6	179.9	161.1	120.3	124.4	113.1	144.7	143.2	241.5	208.4	183.2
1960	151.8	150.2	182.0	143.3	111.8	122.5	107.9	148.4	146.5	250.6	219.7	191.6
1961	157.0	154.2	193.6	145.7	123.8	134.6	107.1	153.4	148.2	258.8	222.1	213.0

¹ Based on the unrevised (1948) Standard Industrial Classification.

TABLE 6. Indexes of the Volume of Durable Manufacturing Production,¹ 1935 - 61
(1949 = 100)

Year	Total durable manufacturing	Wood products	Iron and steel products	Transportation equipment	Non-ferrous metal products	Electrical apparatus and supplies	Non-metallic mineral products
1935	32.7	42.3	29.2	34.2	40.1	22.9	24.6
1936	36.9	47.5	33.8	35.5	46.7	25.0	29.8
1937	44.9	53.6	42.9	43.4	54.4	32.5	38.2
1938	40.9	50.7	36.6	38.1	55.8	28.0	34.3
1939	42.7	54.0	39.1	37.7	58.4	28.4	35.7
1940	59.3	65.5	58.9	61.1	70.5	41.9	45.0
1941	85.6	74.5	86.4	106.1	98.9	61.8	60.1
1942	112.1	77.4	114.7	157.1	130.4	74.9	68.2
1943	128.2	73.6	131.6	198.4	145.6	85.0	68.8
1944	128.3	76.1	118.4	235.7	130.9	85.5	66.8
1945	99.8	77.2	96.3	157.0	98.8	70.7	63.7
1946	79.9	86.8	80.8	80.6	81.8	67.7	72.0
1947	93.3	98.2	93.6	95.3	89.6	89.6	86.3
1948	98.4	100.6	101.5	97.2	99.2	91.5	92.2
1949	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1950	106.5	108.2	102.5	108.3	104.0	112.5	111.0
1951	119.9	114.8	117.0	131.3	114.1	120.7	119.8
1952	124.8	115.8	118.9	149.1	112.2	124.5	122.8
1953	133.6	125.4	115.3	165.2	120.1	150.9	139.2
1954	124.8	124.2	106.2	137.3	117.0	151.7	146.1
1955	139.7	136.4	123.8	145.1	127.5	176.2	171.1
1956	153.3	138.3	145.3	157.9	133.0	191.3	191.5
1957	146.7	127.3	139.6	151.2	127.6	183.6	191.3
1958	139.9	132.0	128.3	132.5	127.6	176.2	205.9
1959	149.5	136.6	147.2	131.5	134.7	184.8	223.2
1960	146.4	136.0	137.3	130.0	148.3	180.2	210.9
1961	148.4	139.6	139.4	129.8	147.6	182.6	220.2

¹ Based on the unrevised (1948) Standard Industrial Classification.

TABLE 7. Changes in Indexes of Volume of Manufacturing Production, Five-year Periods, 1946-61

Industrial group ¹	Volume index (1949 = 100)		Percentage change				
	1960	1961	1946 to 1951	1951 to 1956	1956 to 1961	1946 to 1961	1960 to 1961
All manufactures	149.3	153.0	+ 35.0	+ 26.2	+ 5.4	+ 79.6	+ 2.5
Non-durable goods	151.8	157.0	+ 23.4	+ 24.6	+ 13.7	+ 74.8	+ 3.4
Durable goods	146.4	148.4	+ 50.1	+ 27.9	- 3.2	+ 65.7	+ 1.4
Non-durable goods:							
Foods and beverages	150.2	154.2	+ 9.0	+ 24.6	+ 15.9	+ 57.3	+ 2.7
Tobacco and tobacco products	182.0	193.6	+ 4.9	+ 53.6	+ 32.7	+ 113.7	+ 6.4
Rubber and rubber products	143.3	145.7	+ 39.6	+ 23.3	- 5.4	+ 62.8	+ 1.7
Leather products	111.8	123.8	- 27.1	+ 27.9	+ 7.1	- 0.2	+ 10.7
Textiles	122.5	134.6	+ 27.5	+ 3.7	+ 14.7	+ 51.7	+ 9.9
Clothing, including knitting mills	107.9	107.1	+ 6.2	+ 16.2	- 8.9	+ 12.4	- 0.7
Paper products	146.4	153.4	+ 45.1	+ 17.3	+ 11.3	+ 69.4	+ 3.4
Printing, publishing and allied industries ..	148.5	148.2	+ 36.7	+ 30.6	+ 7.9	+ 92.7	+ 1.1
Products of petroleum and coal	250.6	258.8	+ 72.9	+ 68.2	+ 19.8	+ 248.3	+ 3.3
Chemicals and allied products	219.7	222.1	+ 37.9	+ 45.7	+ 27.1	+ 155.3	+ 1.1
Miscellaneous industries	191.6	213.0	+ 48.4	+ 23.5	+ 44.9	+ 165.6	+ 11.2
Durable goods:							
Wood products	136.0	139.6	+ 32.3	+ 20.5	+ 0.9	+ 60.8	+ 2.6
Iron and steel products	137.3	139.4	+ 44.8	+ 24.2	- 4.1	+ 72.5	+ 1.5
Transportation equipment	130.0	129.8	+ 62.9	+ 20.3	- 17.8	+ 61.0	- 0.2
Non-ferrous metal products	148.3	147.6	+ 39.5	+ 16.6	+ 11.0	+ 80.4	- 0.5
Electrical apparatus and supplies	180.2	182.6	+ 78.3	+ 58.5	- 4.5	+ 189.7	+ 1.3
Non-metallic mineral products	210.9	220.2	+ 66.4	+ 59.8	+ 15.0	+ 205.8	+ 4.4

¹ The components of the volume indexes are based on the untevised (1948) Standard Industrial Classification.

SECTION C. PRINCIPAL STATISTICS OF THE MANUFACTURING INDUSTRIES, 1957-61

The three tables in this section bring together in readily accessible form principal statistics of the manufacturing industries on the basis of the revised (1960) Standard Industrial Classification and New Establishment Concept for the 1957-61 period. Tables 8 and 9, containing principal statistics by province and industrial group, respectively, differ from Tables 8 and 9 in the 1960 *General Review* for the 1957-60 period in that they include the effects of the implementation of the New Establishment Concept in addition to those of the revised Standard Industrial Classification. Table 10 consolidates, for the first time in one table, principal statistics by industrial group and individual industry at the Canada total level for the 1957-61 period on the basis of the revised Standard Industrial Classification and New Establishment Concept.

All three tables also incorporate other revisions and adjustments made to data for the 1957-61 period after their

publication in individual industry reports and in other general reports on the manufacturing industries for 1961.

It should be noted, however, that, as pointed out in Part I Section A, 1961 data will be republished in 1962 reports to give effect to the **total activity** concept of manufacturing establishments. In addition, the 1961 data published in 1962 reports will include any adjustments and revisions to statistics on **manufacturing activity** of individual industries necessary to bring them in line with reporting procedures for the 1962 Census and to reflect the final application of the new concept. Thus, the statistics for 1961 that will be shown in the 1962 reports will be directly comparable to the 1962 data and those for subsequent years. For the majority of industries, the figures on **manufacturing activity** published in 1962 reports will be comparable, for most items of principal statistics, to those shown in this report for the years 1957-61.

TABLE 8. Principal Statistics of the Manufacturing Industries, by Province, 1957-61¹

Statistics for selected years back to 1917 are given in Tables 2 and 3 of the General Review for 1959

No.	Province	Estab- lish- ments	Administrative and office employees			Production workers		
			Male	Female	Salaries	Male	Female	Wages
			number		\$	number		\$
Newfoundland:								
1	1957	465	1,401	322	6,712,353	6,958	996	25,375,440
2	1958	422	1,316	294	6,494,039	6,550	903	22,149,651
3	1959	468	1,312	284	6,914,889	6,627	872	23,076,565
4	1960	396	1,195	313	7,385,049	6,914	896	24,937,121
5	1961	338	1,383	307	8,002,591	7,307	899	27,967,214
Prince Edward Island:								
6	1957	167	290	86	892,998	834	327	2,216,890
7	1958	159	296	81	963,219	847	317	2,286,785
8	1959	154	329	100	1,175,292	903	340	2,525,806
9	1960	154	320	95	1,257,480	906	350	2,778,601
10	1961	156	294	76	1,194,429	971	383	3,013,045
Nova Scotia:								
11	1957	1,084	3,691	1,185	17,481,283	22,119	3,616	71,916,797
12	1958	1,038	3,585	1,108	18,000,037	20,030	3,495	66,747,101
13	1959	1,054	3,674	1,099	19,121,220	19,266	3,452	67,448,807
14	1960	1,039	3,780	1,154	19,930,592	19,486	3,551	71,203,576
15	1961	1,002	3,631	1,132	20,311,068	18,378	3,660	68,608,188
New Brunswick:								
16	1957	858	2,432	812	12,030,396	14,807	2,614	48,030,594
17	1958	813	2,466	846	12,751,219	14,460	2,782	48,098,688
18	1959	779	2,541	866	13,703,298	14,361	2,752	49,567,905
19	1960	768	2,797	926	15,295,383	15,346	3,042	55,958,641
20	1961	708	2,782	975	16,067,044	15,553	3,133	57,825,324
Quebec:								
21	1957	11,295	70,342	26,515	432,056,118	255,219	92,886	1,036,006,646
22	1958	10,897	88,782	26,324	453,815,201	240,257	89,898	1,012,745,012
23	1959	10,671	68,953	26,213	472,365,720	241,737	90,113	1,064,579,076
24	1960	11,093	71,157	26,334	502,124,743	241,762	90,191	1,104,248,065
25	1961	10,955	68,960	25,574	504,204,417	237,958	91,237	1,122,367,772
Ontario:								
26	1957	12,162	110,576	45,706	734,769,381	386,189	93,691	1,675,516,238
27	1958	11,858	108,953	44,701	770,973,104	355,991	89,324	1,620,461,741
28	1959	11,727	107,346	44,005	796,194,974	366,347	91,367	1,748,481,079
29	1960	12,090	108,314	44,147	823,558,744	353,849	88,007	1,733,838,377
30	1961	12,081	105,535	43,164	819,754,354	351,838	90,878	1,777,653,895
Manitoba:								
31	1957	1,390	6,536	2,549	36,480,491	26,421	7,750	102,120,900
32	1958	1,392	6,428	2,533	38,053,740	25,141	7,408	102,259,929
33	1959	1,394	6,637	2,567	41,140,999	25,760	7,509	111,038,371
34	1960	1,414	6,831	2,623	42,908,285	24,255	7,579	108,530,084
35	1961	1,416	6,672	2,428	44,065,579	24,470	7,642	113,236,781
Saskatchewan:								
36	1957	700	2,289	844	11,807,136	7,547	990	28,363,375
37	1958	729	2,320	877	12,519,428	7,577	1,000	29,744,474
38	1959	673	2,288	919	13,555,599	7,781	1,047	32,242,449
39	1960	682	2,383	898	14,498,169	7,921	1,065	33,605,387
40	1961	675	2,258	909	14,156,325	7,910	1,072	34,791,437
Alberta:								
41	1957	1,560	6,834	2,290	36,800,038	25,018	3,680	96,415,609
42	1958	1,436	6,674	2,285	39,120,032	23,996	3,723	97,238,062
43	1959	1,512	6,851	2,377	42,365,070	25,058	3,951	105,645,282
44	1960	1,586	7,033	2,376	44,960,149	24,656	3,969	108,312,174
45	1961	1,569	6,854	2,232	45,414,125	24,806	4,029	111,934,359
British Columbia:								
46	1957	3,849	15,884	4,984	97,021,880	74,291	9,266	305,372,919
47	1958	3,688	15,396	4,924	99,793,588	69,926	8,733	303,726,984
48	1959	3,632	15,560	4,870	105,849,967	71,145	8,518	312,526,047
49	1960	3,616	16,031	5,128	113,312,999	69,517	8,255	321,243,918
50	1961	3,502	15,406	5,067	112,008,822	68,916	8,129	328,166,954
Yukon and Northwest Territories:								
51	1957	21	35	12	184,035	98	18	468,030
52	1958	14	24	7	155,505	94	16	516,892
53	1959	11	22	5	142,194	74	13	467,590
54	1960	14	25	6	147,558	79	14	467,945
55	1961	13	23	8	154,908	88	19	526,338

¹ Basis: Revised Standard Industrial Classification and New Establishment Concept.

TABLE 8. Principal Statistics of the Manufacturing Industries, by Province, 1957-61¹

Statistics for selected years back to 1917 are given in Tables 2 and 3 of the General Review for 1959

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	No.
dollars						
4,677	32,087,793	7,267,576	52,147,846	..	113,729,661	1
9,063	28,643,690	6,864,471	50,750,623	56,750,770	114,069,901	2
9,095	29,991,454	6,508,777	52,985,299	56,127,739	116,664,179	3
9,318	32,322,170	6,783,240	57,979,769	63,490,184	126,980,575	4
9,896	35,969,805	7,064,044	60,628,868	70,009,989	137,244,209	5
1,537	3,109,888	388,099	16,815,326	..	23,895,951	6
1,541	3,250,004	397,129	18,102,166	6,679,423	25,153,353	7
1,672	3,701,098	438,676	18,465,061	6,997,212	25,792,452	8
1,671	4,036,081	459,696	19,981,913	8,025,905	28,414,952	9
1,724	4,207,474	463,018	21,191,058	8,131,146	30,041,039	10
30,611	89,398,080	10,146,274	221,051,345	..	377,465,226	11
28,218	84,747,138	8,959,202	202,678,706	150,306,892	365,659,667	12
27,491	86,570,027	8,794,901	205,910,478	154,723,362	370,946,777	13
27,971	91,134,168	9,839,371	207,705,372	171,493,455	387,868,633	14
26,801	88,919,256	10,011,626	206,463,487	159,218,497	375,306,900	15
20,665	60,060,990	14,035,501	170,922,172	..	306,025,882	16
20,554	60,849,907	13,088,695	167,175,646	129,009,521	306,991,845	17
20,520	63,271,203	13,856,193	170,524,670	129,965,912	314,219,616	18
22,111	71,254,024	15,032,162	204,627,317	154,697,415	369,107,808	19
22,443	73,892,368	15,415,406	223,050,728	159,979,430	397,456,695	20
444,962	1,468,062,764	149,420,450	3,514,509,630	..	6,422,701,706	21
425,261	1,466,560,213	147,263,596	3,540,673,709	2,938,806,881	6,513,647,235	22
427,016	1,536,944,796	149,423,011	3,691,667,432	2,986,674,715	6,802,194,725	23
429,444	1,606,372,808	152,371,653	3,786,454,594	3,162,917,907	7,075,504,794	24
423,729	1,626,572,189	157,135,960	3,982,419,548	3,207,856,006	7,327,257,662	25
636,162	2,410,285,619	221,535,656	5,732,214,851	..	10,811,118,155	26
598,969	2,391,434,845	215,497,824	5,624,612,703	4,740,811,611	10,579,486,177	27
609,065	2,544,676,053	232,024,946	6,096,979,886	5,229,837,182	11,438,354,848	28
594,317	2,557,397,121	235,717,795	6,036,928,594	5,215,228,707	11,479,327,327	29
591,415	2,597,408,249	236,709,531	6,337,292,819	5,429,853,032	11,957,329,553	30
43,259	138,601,391	11,833,253	377,444,408	..	646,202,639	31
41,508	140,313,669	10,832,211	395,047,510	268,481,379	673,913,981	32
42,473	152,179,370	11,924,864	419,481,520	300,642,456	730,630,426	33
41,288	151,438,369	12,107,025	411,598,344	289,426,092	711,218,538	34
41,212	157,302,360	16,243,967	441,440,322	315,235,281	769,894,639	35
11,670	40,170,511	6,344,965	186,843,667	..	286,846,884	36
11,774	42,263,902	6,763,911	196,028,221	109,541,972	312,607,528	37
12,035	45,798,048	7,102,934	210,480,504	122,516,381	337,658,341	38
12,267	48,103,556	7,320,268	206,739,723	115,572,585	329,944,928	39
12,149	46,947,762	7,660,412	218,815,222	120,971,938	344,432,203	40
37,820	133,215,647	13,115,874	448,058,929	..	724,502,576	41
36,678	136,358,094	14,054,242	481,517,438	295,854,805	788,083,475	42
38,237	148,010,352	15,357,011	508,931,581	327,417,725	850,330,869	43
38,034	153,272,323	16,306,935	511,159,117	339,377,044	859,966,254	44
37,921	157,348,484	17,271,495	568,732,861	346,731,838	933,826,476	45
104,425	402,394,799	41,321,464	977,170,081	..	1,737,812,853	46
98,979	403,520,572	46,855,684	951,517,865	757,870,335	1,751,606,981	47
100,091	418,376,014	46,565,976	961,976,098	838,722,055	1,841,339,359	48
98,931	434,556,917	47,991,533	1,007,017,712	849,729,833	1,908,542,596	49
97,518	440,197,776	47,357,571	1,065,073,007	863,442,538	1,967,091,438	50
163	652,065	41,198	1,610,861	..	3,041,083	51
141	672,397	31,127	2,719,924	840,124	3,595,127	52
114	609,784	51,125	2,155,549	652,409	2,695,039	53
124	615,503	48,634	1,444,781	1,324,896	2,927,723	54
138	681,246	51,725	2,600,056	707,985	3,434,135	55

TABLE 9. Principal Statistics of the Manufacturing Industries, by Industrial Group, 1957-61¹
 Statistics for significant years back to 1917 are given in Tables 2 and 3 of the General Review for 1959

Industrial group	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	number			dollars		
Food and beverage industries:						
1957	7,931	189,104	583,264,985	2,691,887,295	..	4,134,738,077
1958	7,788	187,720	618,153,967	2,923,313,031	1,510,341,647	4,486,279,569
1959	7,520	189,180	655,115,110	2,949,210,111	1,588,321,413	4,622,535,859
1960	7,598	190,946	681,243,759	2,962,518,410	1,651,527,604	4,668,363,133
1961	7,444	188,855	687,995,973	3,148,673,188	1,704,714,596	4,905,434,328
Tobacco products industries:						
1957	48	9,905	33,322,821	161,506,746	..	249,156,127
1958	39	10,319	37,143,602	207,505,828	97,122,781	305,123,555
1959	39	10,287	38,078,218	214,388,129	109,690,496	324,652,469
1960	39	9,731	38,354,483	218,138,783	115,961,261	334,369,583
1961	38	9,442	39,153,878	205,297,105	128,639,932	334,983,236
Rubber industries:						
1957	86	22,181	83,215,286	145,566,921	..	334,777,988
1958	87	19,948	76,497,083	129,641,219	177,811,184	314,792,148
1959	86	21,082	86,884,173	161,815,916	195,196,913	354,045,241
1960	89	20,298	84,531,136	153,839,548	173,810,837	328,459,312
1961	93	18,860	82,003,785	148,683,954	171,593,527	331,134,713
Leather industries:						
1957	614	31,573	78,772,892	123,386,477	..	240,938,095
1958	591	30,784	80,310,813	126,235,856	121,597,212	250,885,681
1959	572	31,415	83,539,195	144,713,086	130,824,863	273,092,719
1960	580	30,266	83,447,741	133,298,689	129,340,597	265,667,310
1961	555	31,413	89,574,243	151,406,469	140,387,914	291,068,523
Textile industries:						
1957	902	67,046	197,664,399	407,063,334	..	736,146,913
1958	875	62,005	188,161,250	386,981,883	316,551,539	725,249,663
1959	854	62,304	198,640,400	423,705,296	353,168,525	785,622,807
1960	886	60,726	202,628,083	423,491,845	362,161,960	795,930,026
1961	883	62,544	212,557,789	468,001,049	392,688,681	875,287,700
Knitting mills:						
1957	308	22,110	51,484,215	88,908,479	..	173,617,299
1958	316	21,272	50,793,852	88,430,835	85,243,993	174,467,430
1959	313	21,376	53,338,278	98,359,623	92,383,194	190,522,360
1960	356	21,179	55,282,983	103,635,383	95,008,019	199,566,156
1961	358	21,459	57,469,382	117,361,967	100,641,407	219,295,978
Clothing industries:						
1957	2,445	89,425	213,478,406	394,501,483	..	735,263,514
1958	2,362	86,208	213,296,412	385,911,317	344,786,144	734,358,464
1959	2,258	86,181	222,595,144	397,650,055	357,028,852	751,805,834
1960	2,306	86,367	225,631,897	400,715,963	383,834,687	762,967,070
1961	2,307	87,728	234,388,479	427,523,380	377,072,432	801,535,491
Wood industries:						
1957	6,808	88,163	259,609,715	529,836,120	..	944,709,529
1958	6,021	83,788	261,040,873	522,788,183	417,422,022	936,768,072
1959	6,002	86,181	271,218,730	552,701,252	447,687,468	1,015,657,164
1960	5,730	82,734	278,188,907	562,403,734	430,612,176	1,007,333,001
1961	5,251	80,042	280,330,704	584,792,751	431,372,733	1,035,343,618
Furniture and fixture industries:						
1957	1,986	33,594	99,757,598	155,817,371	..	314,801,988
1958	1,835	32,411	99,684,521	153,700,415	159,889,808	316,877,612
1959	1,898	33,328	108,307,477	165,973,699	170,688,475	338,150,934
1960	2,070	33,738	111,006,222	164,161,786	174,560,997	341,989,146
1961	2,089	33,153	112,445,673	174,635,120	185,102,995	362,062,105
Paper and allied industries:						
1957	571	95,067	406,020,959	891,627,899	..	1,877,712,198
1958	546	93,227	410,854,694	885,869,435	913,092,479	1,894,539,325
1959	544	94,435	431,800,115	938,248,927	981,521,961	2,030,093,187
1960	565	95,281	458,223,407	978,957,863	1,034,429,583	2,125,894,677
1961	569	94,862	471,137,165	1,021,502,882	1,071,316,188	2,205,734,055

¹ See footnote at end of table.

TABLE 9. Principal Statistics of the Manufacturing Industries, by Industrial Group, 1957-61¹ - Concluded

Industrial group	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	number			dollars		
Printing, publishing and allied industries:						
1957	3,340	70,944	269,169,049	228,513,748	..	704,298,471
1958	3,258	69,738	284,157,788	236,905,216	500,982,248	742,625,186
1959	3,300	71,622	304,827,705	256,237,034	547,105,148	804,768,758
1960	3,410	73,049	320,280,912	268,632,349	572,282,351	845,827,676
1961	3,428	72,779	327,900,870	275,716,714	591,099,208	872,292,337
Primary metal industries:						
1957	418	92,293	414,523,866	1,387,616,279	..	2,472,248,355
1958	403	82,468	385,777,429	1,212,040,725	1,019,627,840	2,199,317,658
1959	397	88,385	434,179,803	1,457,394,162	1,048,263,609	2,565,092,848
1960	404	89,258	451,056,722	1,555,515,212	1,090,862,239	2,728,773,897
1961	410	87,238	457,619,351	1,591,688,041	1,129,978,204	2,806,483,787
Metal fabricating industries(exceptmachinery and transportation equipment industries):						
1957	2,425	101,013	395,246,592	640,090,361	..	1,330,033,616
1958	2,591	94,261	382,430,335	614,568,848	667,409,987	1,302,787,212
1959	2,576	99,049	419,920,330	683,511,999	732,989,522	1,420,315,253
1960	2,756	96,877	423,817,949	666,231,003	727,154,727	1,412,484,773
1961	2,859	94,611	421,915,944	734,400,126	739,018,830	1,492,690,845
Machinery industries (except electrical machinery):						
1957	483	45,876	180,246,239	265,369,678	..	596,553,594
1958	511	41,131	172,493,327	257,900,353	276,842,174	544,747,638
1959	508	45,023	199,876,206	300,149,602	327,674,553	614,035,212
1960	519	43,369	198,501,555	297,538,146	326,987,393	637,673,848
1961	546	42,083	195,606,445	303,943,943	329,763,583	639,739,426
Transportation equipment industries:						
1957	610	144,824	592,253,263	1,299,228,925	..	2,269,076,315
1958	611	126,209	554,564,969	1,167,124,682	868,381,604	2,076,429,894
1959	630	113,706	532,265,959	1,127,179,611	894,489,851	2,011,433,113
1960	677	109,160	519,732,421	1,098,058,054	866,355,179	1,999,758,033
1961	671	107,709	522,470,347	1,130,170,158	828,669,699	1,960,777,154
Electrical products industries:						
1957	503	89,962	351,528,490	555,847,811	..	1,180,854,239
1958	501	82,290	343,221,123	535,277,999	544,357,234	1,094,890,755
1959	510	81,729	347,239,386	568,951,051	608,678,123	1,161,877,067
1960	536	78,827	349,171,926	552,102,187	599,605,655	1,165,736,538
1961	531	79,531	353,568,079	585,351,554	617,534,041	1,205,534,321
Non-metallic mineral products:						
1957	1,153	38,879	145,709,478	203,515,285	..	571,165,145
1958	1,172	39,466	156,466,774	217,985,178	345,331,758	600,614,113
1959	1,176	41,886	172,642,697	235,259,274	377,405,806	655,618,841
1960	1,296	41,308	172,425,175	229,449,762	366,643,786	639,089,796
1961	1,292	40,128	174,087,186	250,116,408	381,393,965	675,012,816
Petroleum and coal products industries:						
1957	82	15,131	76,799,580	832,240,335	..	1,042,270,293
1958	92	14,860	77,820,087	832,281,847	200,696,123	1,038,921,694
1959	84	14,252	81,544,235	864,765,494	241,801,296	1,114,602,526
1960	91	14,315	84,245,797	866,016,119	282,254,861	1,150,421,636
1961	91	14,053	85,338,864	920,630,338	290,696,500	1,220,193,764
Chemicals and chemical products industries:						
1957	1,049	53,536	218,135,998	519,788,789	..	1,134,398,330
1958	1,045	53,571	231,082,301	550,373,048	643,585,845	1,233,468,926
1959	1,042	53,630	239,126,454	584,260,150	676,991,704	1,310,153,946
1960	1,063	53,840	251,908,643	585,691,534	728,461,679	1,357,688,488
1961	1,072	52,167	254,004,293	623,943,855	760,927,799	1,433,878,158
Miscellaneous manufacturing industries:						
1957	1,791	40,322	127,835,716	176,475,780	..	409,582,528
1958	1,802	41,010	136,663,751	195,988,813	243,880,091	441,650,675
1959	1,766	42,758	148,988,584	215,083,607	272,165,376	486,950,493
1960	1,881	44,207	160,823,322	231,039,066	279,428,432	511,810,029
1961	1,928	46,289	171,877,519	263,868,974	309,523,448	574,812,594

¹ Basis: Revised Standard Industrial Classification and New Establishment Concept.

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, 1957-61¹

Basis: Revised Standard Industrial Classification and New Establishment Concept

No.	S.I.C. Code	Industrial group and industry	Estab-lish-ments	Administrative and office employees			Production workers		
				Male	Female	Salaries	Male	Female	Wages
				number		\$	number		\$
		1. Food and beverage industries:							
		Slaughtering and meat processors:							
1	1011	Slaughtering and meat packing plants..... 1957	156	4,088	1,346	23,733,918	15,551	3,602	67,954,994
2		1958	173	4,162	1,353	25,517,718	15,840	3,829	74,238,450
3		1959	175	3,974	1,364	27,603,115	16,894	4,111	85,450,101
4		1960	204	4,080	1,323	28,678,179	16,217	3,994	84,393,017
5		1961	242	4,034	1,271	29,298,674	15,988	3,782	83,626,571
6	1012	Animal oils and fats plants 1957	17	57	19	379,439	270	1	892,770
7		1958	18	67	20	449,575	289	2	1,001,704
8		1959	18	71	20	530,281	288	—	1,101,588
9		1960	18	72	18	546,526	303	—	1,095,778
10		1961	17	80	18	509,471	346	7	1,347,335
11	1013	Sausage and sausage casing manufacturers 1957	96	295	98	1,741,947	949	501	4,084,706
12		1958	93	278	79	1,547,747	826	388	3,476,482
13		1959	83	269	77	1,562,767	779	411	3,571,943
14		1960	91	286	86	1,795,905	842	391	3,871,870
15		1961	85	269	72	1,826,693	827	410	3,799,944
		Dairy factories:							
16	1051	Butter and cheese plants 1957	1,143	1,837	732	6,732,905	4,589	279	12,130,223
17		1958	1,037	1,690	761	6,843,749	4,737	322	13,287,527
18		1959	1,000	1,715	832	8,015,188	5,510	379	17,022,413
19		1960	958	1,567	755	7,223,206	4,902	337	14,471,822
20		1961	914	1,484	725	6,995,913	4,955	329	15,038,243
21	1053	Pasteurizing plants 1957	820	2,524	1,435	14,577,813	16,931	520	59,331,305
22		1958	820	2,669	1,490	15,761,507	17,162	528	82,805,896
23		1959	782	2,555	1,421	15,692,380	16,456	546	82,213,471
24		1960	773	2,631	1,500	16,794,819	17,115	589	67,153,368
25		1961	732	2,384	1,414	15,603,645	17,260	620	68,751,884
26	1055	Condenseries 1957	19	123	64	781,219	698	63	2,515,038
27		1958	19	128	68	836,622	811	70	2,950,946
28		1959	20	154	74	1,026,062	779	57	2,906,486
29		1960	22	152	78	1,039,697	822	65	3,222,500
30		1961	23	165	79	996,142	823	61	3,192,506
31	1056	Ice cream manufacturers..... 1957	45	200	118	1,236,650	821	187	3,004,771
32		1958	44	253	115	1,570,026	854	191	3,285,708
33		1959	44	237	115	1,642,706	919	209	3,695,133
34		1960	43	218	113	1,666,145	929	211	3,821,736
35		1961	41	188	118	1,510,911	958	199	4,056,361

See footnote at end of table.

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, 1957-61¹

Basis: Revised Standard Industrial Classification and New Establishment Concept

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	No.
number			dollars			
24,587	91,688,912	5,745,136	699,569,428	..	868,167,032	1
25,184	99,756,168	5,968,666	831,669,522	175,474,794	1,008,632,509	2
26,343	113,053,216	6,372,200	861,370,710	203,462,030	1,097,768,522	3
25,614	113,071,196	6,378,985	828,837,283	192,240,890	1,024,170,111	4
25,075	112,925,245	6,502,108	893,822,118	182,740,227	1,080,913,148	5
347	1,272,209	366,112	2,792,703	..	5,933,578	6
378	1,451,279	348,023	3,647,463	3,510,100	7,381,294	7
379	1,631,869	351,303	4,071,684	3,338,761	7,784,839	8
393	1,642,304	384,429	2,721,182	3,224,255	6,347,243	9
451	1,856,806	476,564	4,187,030	5,321,865	9,862,305	10
1,843	5,826,653	543,163	21,500,137	..	33,394,136	11
1,571	5,024,229	465,400	20,271,095	10,932,513	31,519,353	12
1,536	5,134,710	454,463	18,896,567	11,358,126	30,802,346	13
1,605	5,667,775	470,132	20,743,761	11,967,313	32,896,905	14
1,578	5,626,637	494,003	22,020,687	11,854,110	34,134,370	15
7,437	18,863,128	5,322,495	224,763,670	..	265,099,656	16
7,510	20,131,276	5,813,645	260,695,760	43,384,925	312,774,288	17
8,436	25,037,601	6,164,905	264,415,518	51,110,594	322,374,304	18
7,561	21,695,028	5,815,915	251,910,498	41,666,765	298,709,055	19
7,493	22,034,156	6,126,544	273,893,861	44,447,434	323,899,706	20
21,410	73,909,118	8,407,029	227,309,958	..	356,762,639	21
21,847	78,567,403	8,556,972	242,181,239	123,058,065	375,322,879	22
20,978	77,905,851	8,293,574	241,988,390	125,395,851	375,582,410	23
21,835	83,948,187	8,760,327	256,862,753	136,016,223	401,871,570	24
21,678	84,355,529	8,698,238	267,020,276	136,176,755	411,616,839	25
948	3,298,257	1,161,476	46,977,625	..	59,218,370	26
1,077	3,767,568	1,204,787	51,055,921	14,756,185	67,307,405	27
1,064	3,932,548	1,185,423	48,611,862	15,625,855	65,930,355	28
1,117	4,262,197	1,196,189	52,866,798	19,727,563	73,091,739	29
1,128	4,188,648	1,278,833	58,297,103	18,998,801	77,086,280	30
1,326	4,241,421	600,075	12,577,702	..	21,907,614	31
1,413	4,855,734	578,568	13,101,584	9,184,607	22,915,314	32
1,480	5,337,839	673,740	16,616,852	9,842,609	27,175,537	33
1,471	5,489,881	750,018	17,556,970	11,546,285	29,641,989	34
1,463	5,567,272	784,441	19,213,047	12,216,409	32,165,940	35

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry.
1957-61¹— Continued

No.	S.I.C. Code	Industrial group and industry	Estab- lish- ments	Administrative and office employees			Production workers			
				Male	Female	Salaries	Male	Female	Wages	
				number		\$	number		\$	
1. Food and beverage industries—Continued:										
1	107	Process cheese manufacturers	1957	12	202	65	1,354,970	475	328	2,497,169
2			1958	12	216	119	1,563,625	524	344	2,874,424
3			1959	12	198	65	1,678,538	526	268	2,836,117
4			1960	11	197	72	1,829,508	563	285	3,090,173
5			1961	10	199	66	1,910,867	560	270	3,203,653
6	111	Fish products industry	1957	410	1,249	332	5,689,000	8,033	3,453	21,730,800
7			1958	426	1,245	302	5,684,819	8,098	3,589	22,557,805
8			1959	400	1,320	318	5,944,788	7,898	3,397	21,787,886
9			1960	387	1,350	363	6,875,484	8,061	3,625	22,954,076
10			1961	340	1,267	349	6,650,398	8,061	3,865	23,783,493
11	112	Fruit and vegetable canners and preservers	1957	385	2,038	1,096	12,244,064	7,254	6,810	30,415,288
12			1958	353	1,882	1,041	12,679,243	6,637	6,077	29,408,175
13			1959	336	1,883	1,013	13,282,504	6,598	5,991	29,928,718
14			1960	337	2,130	1,056	14,798,248	6,918	6,216	33,004,355
15			1961	335	1,926	1,044	14,890,183	7,074	6,423	34,561,606
Grain mills:										
16	123	Feed manufacturers	1957	1,007	1,654	473	6,391,061	4,679	135	12,770,967
17			1958	989	1,629	533	7,362,889	4,832	109	14,341,503
18			1959	963	1,612	519	7,770,735	4,883	84	15,070,979
19			1960	970	1,639	505	8,027,326	4,745	94	15,315,907
20			1961	958	1,725	519	8,836,726	4,698	97	15,676,142
21	124	Flour mills	1957	59	941	424	5,278,211	2,837	136	9,680,944
22			1958	57	981	428	5,555,588	2,791	135	10,138,276
23			1959	57	909	415	6,034,529	2,710	137	10,544,721
24			1960	55	922	418	6,324,541	2,732	139	11,227,322
25			1961	54	874	426	6,236,440	2,519	145	10,684,724
26	125	Breakfast cereal manufacturers	1957	21	168	98	1,171,727	753	409	3,882,994
27			1958	20	159	101	1,241,468	721	383	4,038,427
28			1959	19	176	107	1,537,932	766	380	4,318,058
29			1960	20	189	114	1,875,280	761	388	4,617,636
30			1961	19	190	123	1,715,169	775	383	4,914,416
Bakery products industries:										
31	128	Biscuit manufacturers	1957	45	442	297	3,049,201	2,336	3,202	12,795,615
32			1958	45	465	269	3,178,905	2,170	3,108	13,083,121
33			1959	45	471	257	3,443,497	2,183	3,063	13,702,277
34			1960	48	503	266	3,903,217	2,222	3,028	14,056,830
35			1961	48	498	285	3,767,477	2,164	2,998	14,547,258
36	1291	Bakeries	1957	2,557	3,873	1,390	16,634,434	22,314	7,020	81,176,140
37			1958	2,554	3,835	1,212	17,829,730	22,431	7,282	86,934,924
38			1959	2,451	3,934	1,202	18,389,204	22,952	7,415	91,500,326
39			1960	2,539	4,172	1,229	19,992,360	23,510	7,431	95,284,736
40			1961	2,529	3,758	1,232	19,172,391	23,295	7,352	96,580,711

See footnote at end of table.

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry,
1957-61¹ - Continued

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	No.
number			dollars			
1,070	3,852,139	180,417	23,060,813	..	35,639,409	1
1,203	4,438,049	173,550	26,829,488	15,085,819	42,132,153	2
1,057	4,514,655	181,108	26,418,031	16,265,893	42,537,083	3
1,117	4,919,681	200,636	27,205,395	16,754,658	43,725,451	4
1,095	5,114,520	186,759	28,632,088	18,129,270	46,736,373	5
13,067	27,419,800	2,931,200	89,741,600	..	137,345,821	6
13,234	28,242,624	2,869,104	114,851,008	56,325,383	169,004,909	7
12,933	27,732,674	2,941,253	95,380,608	49,474,443	147,694,445	8
13,399	29,829,560	2,701,751	94,607,026	48,032,357	155,361,347	9
13,542	30,433,891	2,950,572	110,691,831	59,475,093	169,825,334	10
17,198	42,659,352	3,538,430	170,434,726	..	259,089,614	11
15,637	42,087,418	3,378,736	171,193,640	96,116,232	270,012,303	12
15,485	43,211,222	3,402,992	165,436,861	107,506,533	280,619,093	13
16,320	47,802,603	3,762,418	188,519,531	119,717,626	307,328,603	14
16,467	49,451,789	4,144,550	198,676,777	131,226,180	328,098,257	15
6,941	19,162,028	3,696,792	170,960,780	..	222,515,270	16
7,103	21,704,392	3,638,711	201,934,224	55,861,378	260,511,647	17
7,098	22,841,714	3,877,523	206,040,381	60,188,991	269,000,437	18
6,983	23,343,233	3,918,421	197,110,044	57,017,263	258,537,492	19
7,039	24,512,868	4,505,774	225,930,728	59,617,185	289,660,606	20
4,338	14,959,155	1,731,210	168,304,734	..	202,885,240	21
4,335	15,693,864	1,781,813	173,348,662	41,575,349	216,332,333	22
4,171	16,579,250	1,778,817	170,011,626	45,766,629	217,460,586	23
4,211	17,551,863	1,837,793	176,198,999	44,510,015	222,549,004	24
3,964	16,921,164	1,685,756	173,682,471	45,274,550	220,586,667	25
1,428	5,054,721	458,429	13,665,258	..	32,987,485	26
1,364	5,279,895	476,985	13,866,922	21,984,089	36,082,424	27
1,429	5,855,990	461,236	14,595,642	22,161,757	37,290,200	28
1,452	8,292,916	512,360	15,547,786	24,727,149	40,377,941	29
1,471	6,629,585	520,301	15,650,720	23,632,380	40,036,251	30
6,277	15,844,816	1,134,468	39,214,962	..	76,709,959	31
6,012	16,262,026	1,096,838	38,832,803	39,714,718	79,731,273	32
5,974	17,145,774	1,094,758	39,888,099	41,031,419	81,782,531	33
6,019	17,960,047	1,130,551	41,679,358	41,373,382	84,199,241	34
5,945	18,314,735	1,099,062	42,221,627	44,616,114	87,647,846	35
34,597	97,810,574	11,226,241	152,435,661	..	324,179,148	36
34,740	104,764,654	10,877,484	153,680,030	168,681,409	333,227,711	37
35,503	109,889,530	10,750,981	155,165,980	179,726,292	342,599,239	38
36,342	115,257,096	10,872,306	163,313,003	185,106,997	359,048,001	39
35,637	115,753,102	10,846,436	164,609,027	194,337,555	369,637,256	40

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, 1957-61¹ - Continued

No.	S.I.C. Code	Industrial group and industry	Estab- lish- ments	Administrative and office employees			Production workers			
				Male	Female	Salaries	Male	Female	Wages	
				number		\$	number		\$	
		1. Food and beverage industries - Continued:								
		Other food processors:								
1	131	Confectionery manufacturers.....	1957	200	752	597	5,333,407	3,628	4,883	19,491,242
2			1958	197	793	618	5,830,411	3,557	4,645	20,170,188
3			1959	199	823	613	6,109,112	3,460	4,448	20,709,916
4			1960	206	782	643	6,490,361	3,524	4,548	21,435,110
5			1961	194	743	634	6,453,528	3,420	4,358	21,634,989
6	133	Sugar refineries.....	1957	11	443	106	2,796,130	2,502	255	9,337,375
7			1958	11	481	132	3,124,703	2,385	272	9,548,433
8			1959	12	536	143	3,613,433	2,455	291	9,954,595
9			1960	12	519	125	3,820,380	2,262	307	10,017,601
10			1961	11	462	127	3,928,610	2,185	272	9,841,734
11	135	Vegetable oil mills.....	1957	11	188	64	1,254,021	401	3	1,409,025
12			1958	11	182	60	1,309,851	371	1	1,365,383
13			1959	10	195	62	1,425,194	365	3	1,428,120
14			1960	11	138	39	1,024,260	375	3	1,538,129
15			1961	12	137	32	1,060,429	364	4	1,515,995
16	1391	Macaroni manufacturers	1957	16	51	24	411,288	395	207	1,389,768
17			1958	17	73	44	572,254	414	232	1,588,246
18			1959	16	65	40	584,630	389	252	1,727,291
19			1960	17	70	37	638,177	425	301	1,837,447
20			1961	18	63	36	581,521	451	306	2,021,491
21	1392	Miscellaneous food manufacturers	1957	272	1,826	1,151	13,281,470	4,152	2,750	19,345,838
22			1958	264	1,777	1,070	14,447,735	4,140	2,685	20,276,299
23			1959	263	1,919	1,129	16,404,931	4,236	2,856	22,036,334
24			1960	272	1,970	1,249	17,772,482	4,482	2,942	23,280,376
25			1961	267	2,110	1,203	18,014,401	4,570	3,039	25,060,090
		Beverage manufacturers:								
26	141	Soft drink manufacturers	1957	534	1,891	694	11,007,904	4,600	423	13,556,937
27			1958	535	1,840	706	11,708,701	4,628	369	13,975,291
28			1959	521	1,951	728	12,567,032	4,677	339	15,168,573
29			1960	512	1,996	780	13,392,300	4,752	323	16,048,559
30			1961	502	1,937	829	13,616,226	4,788	286	16,149,543
31	143	Distilleries	1957	19	716	332	5,034,158	2,636	1,489	14,591,793
32			1958	19	736	337	5,442,135	2,563	1,329	14,672,090
33			1959	19	780	351	6,047,199	2,425	1,254	14,821,655
34			1960	19	778	360	6,310,757	2,316	1,059	14,271,057
35			1961	19	854	440	7,439,742	2,108	921	13,561,545

See footnote at end of table.

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry.
1957-61¹ - Continued

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	No.
number			dollars			
9,860	24,824,650	1,474,914	68,526,092	..	130,408,732	1
9,613	26,000,599	1,474,570	73,301,578	62,438,397	137,262,638	2
9,344	26,819,028	1,460,498	70,224,603	60,939,553	133,247,072	3
9,497	27,925,471	1,503,063	71,536,586	67,701,852	139,981,271	4
9,155	28,088,517	1,532,734	71,244,799	68,366,277	140,537,003	5
3,306	12,133,505	3,078,050	112,378,384	..	155,022,877	6
3,270	12,673,136	3,131,181	91,854,350	42,575,601	137,008,506	7
3,427	13,568,028	3,134,704	86,349,828	25,637,632	125,731,305	8
3,213	13,837,981	2,836,133	91,132,274	43,988,147	130,405,175	9
3,046	13,770,344	2,684,782	86,345,969	41,365,699	133,453,375	10
656	2,663,046	756,414	50,899,324	..	60,951,564	11
614	2,675,234	818,662	45,502,890	8,115,210	53,795,209	12
625	2,853,314	845,281	46,989,078	9,913,597	57,677,128	13
555	2,562,389	915,993	49,377,497	9,158,867	59,242,353	14
537	2,576,424	889,324	53,983,095	8,724,504	62,674,794	15
677	1,801,056	205,915	6,960,869	..	13,222,139	16
763	2,160,500	214,820	8,707,869	6,757,740	15,762,806	17
746	2,312,121	243,494	8,646,886	7,450,044	16,286,424	18
833	2,475,624	271,991	9,355,474	8,364,038	17,801,834	19
856	2,603,012	289,871	10,027,078	8,672,786	16,800,089	20
9,879	32,627,308	3,994,175	227,822,319	..	342,992,584	21
9,672	34,724,034	4,070,448	223,648,269	127,315,590	353,905,755	22
10,142	38,441,265	4,032,999	220,473,742	128,632,201	354,074,372	23
10,643	41,052,858	4,259,809	234,374,471	144,205,060	380,942,308	24
10,922	43,094,491	4,436,890	252,773,582	152,206,365	408,178,870	25
7,808	24,564,841	3,777,770	45,488,922	..	138,915,292	26
7,543	25,683,992	3,804,530	45,156,854	101,340,887	150,194,755	27
7,695	27,735,605	4,027,495	47,260,605	109,293,658	160,270,877	28
7,851	29,440,859	4,187,255	49,553,621	110,630,851	164,277,040	29
7,840	29,765,769	4,381,157	52,871,111	116,068,270	172,647,090	30
5,173	19,625,951	2,645,679	51,390,890	..	146,797,355	31
4,965	20,114,225	2,486,821	54,643,097	104,230,025	157,080,129	32
4,810	20,868,854	2,339,064	53,050,324	112,139,776	168,751,729	33
4,513	20,581,814	2,309,505	55,028,264	115,911,421	170,695,195	34
4,323	21,001,287	2,227,831	55,038,271	113,895,198	169,207,919	35

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, 1957-61¹ - Continued

No.	S.I.C. Code	Industrial group and industry	Estab- lish- ments	Administrative and office employees			Production workers		
				Male	Female	Salaries	Male	Female	Wages
				number		\$	number		\$
		1. Food and beverage industries—Concluded:							
		Beverage manufacturers—Concluded:							
1	145	Breweries..... 1957	57	1,484	462	10,960,953	6,427	40	26,042,193
2		1958	55	1,445	467	11,434,301	6,186	50	26,274,556
3		1959	56	1,472	492	12,343,689	6,029	38	28,004,788
4		1960	54	1,548	500	13,688,768	5,778	38	28,416,248
5		1961	54	1,551	457	13,321,723	5,576	39	27,559,826
6	147	Wineries 1957	19	126	46	1,006,314	302	44	1,154,885
7		1958	19	120	51	1,078,166	314	39	1,288,645
8		1959	19	100	48	1,052,596	306	40	1,311,379
9		1960	19	108	47	1,139,139	346	37	1,389,041
10		1961	20	122	49	1,174,849	321	35	1,353,784
11		Totals, foods and beverage industries 1957	7,931	27,168	11,463	152,082,204	113,733	36,740	431,182,781
12		1958	7,788	27,106	11,376	162,571,468	113,281	35,957	453,582,499
13		1959	7,520	27,321	11,405	174,302,242	114,485	35,969	480,812,868
14		1960	7,598	28,017	11,676	185,449,065	114,902	36,351	495,794,694
15		1961	7,444	27,020	11,548	185,512,129	114,086	36,201	502,483,844
		2. Tobacco products industries:							
16	151	Leaf tobacco processing 1957	15	180	24	1,091,907	687	642	2,881,182
17		1958	14	206	31	1,294,170	882	724	3,705,124
18		1959	15	200	30	1,295,242	1,071	630	3,794,976
19		1960	15	215	33	1,481,878	1,016	607	3,964,426
20		1961	16	208	30	1,477,879	1,035	352	3,744,690
21	153	Tobacco products manufacturers 1957	33	686	427	5,711,220	2,582	4,677	23,638,512
22		1958	25	713	474	6,583,904	2,703	4,586	25,560,404
23		1959	24	795	477	7,108,351	2,695	4,389	25,879,649
24		1960	24	825	499	7,458,503	2,687	3,849	25,449,676
25		1961	22	799	527	7,592,645	2,717	3,774	26,338,664
26		Totals, tobacco products industries 1957	48	866	451	6,803,127	3,269	5,319	26,519,694
27		1958	39	919	505	7,878,074	3,585	5,310	29,265,528
28		1959	39	995	507	8,403,593	3,766	5,019	29,674,625
29		1960	39	1,040	532	8,840,381	3,703	4,456	29,414,102
30		1961	38	1,007	557	9,070,524	3,752	4,126	30,083,354
		3. Rubber industries:							
31	161	Rubber footwear manufacturers..... 1957	7	486	249	2,998,523	2,655	2,066	11,914,853
32		1958	7	509	232	3,024,752	2,300	1,677	10,537,361
33		1959	7	505	251	3,142,347	2,400	1,798	12,009,418
34		1960	6	419	230	2,536,020	1,998	1,629	10,307,158
35		1961	6	435	228	2,610,868	1,871	1,489	10,058,800

See footnote at end of table.

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry,
1957-61¹ - Continued

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	No.
number			dollars			
8,413	37,003,146	3,252,200	59,229,700	..	229,744,346	1
8,148	37,708,857	3,181,897	55,655,573	171,448,064	230,965,294	2
8,031	40,348,477	3,224,608	57,936,492	182,464,515	243,356,839	3
7,864	42,105,016	3,289,028	58,050,386	188,855,415	250,022,580	4
7,623	40,881,549	3,299,748	59,061,535	197,398,696	259,438,200	5
518	2,161,199	177,050	5,881,238	..	14,848,217	6
524	2,366,811	165,210	7,681,190	10,474,567	17,416,682	7
494	2,363,975	174,646	7,367,742	9,594,654	16,736,386	8
538	2,528,180	177,828	8,429,450	9,083,212	17,139,685	9
527	2,528,633	183,785	8,778,357	9,952,873	18,589,810	10
189,104	583,264,985	66,404,840	2,691,887,295	..	4,134,738,077	11
187,720	616,153,967	66,577,421	2,923,313,031	1,510,341,647	4,486,279,569	12
189,180	655,115,110	67,467,065	2,949,210,111	1,588,321,413	4,622,535,859	13
190,946	681,243,759	68,442,836	2,962,518,410	1,651,527,604	4,668,363,133	14
188,855	687,995,973	70,226,063	3,148,673,188	1,704,714,596	4,905,434,326	15
1,533	3,973,089	276,821	60,711,945	..	67,608,129	16
1,843	4,999,294	331,932	97,803,759	11,323,624	109,459,315	17
1,931	5,090,218	340,462	101,860,628	11,458,220	113,659,310	18
1,871	5,446,304	322,419	104,719,177	12,813,235	117,854,831	19
1,625	5,222,569	323,544	82,821,722	21,176,148	105,026,789	20
8,372	29,349,732	567,793	100,794,601	..	181,547,998	21
6,476	32,144,308	569,450	109,702,069	85,799,157	195,664,240	22
8,356	32,988,000	562,269	112,527,501	98,232,276	210,993,159	23
7,860	32,908,179	652,848	113,419,806	103,148,026	216,514,752	24
7,817	33,931,309	711,658	122,475,383	107,463,784	229,956,447	25
9,905	33,322,821	844,614	161,506,746	..	249,156,127	26
10,319	37,143,602	901,382	207,505,828	97,122,781	305,123,555	27
10,287	38,078,218	902,731	214,388,129	109,690,496	324,652,469	28
9,731	38,354,483	975,267	218,138,783	115,961,261	334,369,583	29
9,442	39,153,878	1,035,202	205,297,105	128,639,932	334,983,236	30
5,458	14,913,376	580,631	14,476,171	..	37,684,881	31
4,716	13,562,133	564,312	12,250,954	20,417,828	34,476,297	32
4,954	15,151,765	597,921	15,738,469	22,364,035	38,586,375	33
4,278	12,643,178	432,637	13,403,560	17,882,862	31,361,187	34
4,023	12,669,668	396,636	12,445,572	19,462,578	32,578,663	35

**TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry,
1957-61¹ - Continued**

No.	S.I.C. Code	Industrial group and industry	Estab- lish- ments	Administrative and office employees			Production workers		
				Male	Female	Salaries	Male	Female	Wages
				number		\$	number		\$
		3. Rubber industries—Concluded:							
1	163	Rubber tire and tube manufacturers 1957	8	1,513	660	10,326,006	6,038	377	26,870,729
2		1958	8	1,586	603	10,176,604	5,370	301	23,894,240
3		1959	8	1,682	571	11,243,157	5,977	323	29,241,727
4		1960	9	1,576	591	11,686,641	5,645	282	26,945,810
5		1961	10	1,432	504	10,772,704	5,328	238	27,241,246
6	169	Other rubber industries 1957	71	1,799	708	11,795,203	4,538	1,090	19,309,972
7		1958	72	1,615	657	11,156,373	4,064	1,034	17,707,733
8		1959	71	1,627	710	12,099,588	4,174	1,064	19,147,936
9		1960	74	1,673	696	12,542,060	4,341	1,218	20,513,447
10		1961	77	1,433	566	10,842,547	4,187	1,149	20,477,620
11		Totals, rubber industries 1957	86	3,798	1,617	25,119,732	13,231	3,535	58,095,554
12		1958	87	3,710	1,492	24,357,729	11,734	3,012	52,139,354
13		1959	86	3,814	1,532	26,485,092	12,551	3,185	60,399,081
14		1960	89	3,668	1,517	26,764,721	11,984	3,129	57,766,415
15		1961	93	3,300	1,298	24,226,119	11,386	2,876	57,777,666
		4. Leather industries:							
16	172	Leather tanneries 1957	50	360	120	2,166,503	3,123	305	10,395,142
17		1958	48	297	150	2,464,369	2,996	300	10,637,069
18		1959	48	301	145	2,588,539	2,886	297	10,088,471
19		1960	46	320	103	2,538,883	2,575	250	9,599,457
20		1961	44	309	111	2,352,822	2,823	295	11,219,542
21	174	Shoe factories 1957	253	1,649	836	10,375,802	9,143	8,624	38,777,171
22		1958	247	1,669	847	10,751,022	9,017	8,602	39,532,281
23		1959	246	1,687	893	11,191,823	9,334	8,966	42,316,685
24		1960	249	1,654	892	11,602,762	8,904	8,785	41,668,250
25		1961	237	1,621	880	11,715,781	9,002	9,363	45,383,795
26	175	Leather glove factories 1957	63	130	57	683,020	566	956	2,815,331
27		1958	58	106	55	592,863	479	795	2,472,660
28		1959	57	107	52	710,128	468	814	2,570,807
29		1960	56	111	51	741,897	446	767	2,658,103
30		1961	56	107	46	737,434	458	751	2,732,259
		Luggage, handbags and small leather goods manufacturers:							
31	1792	Boot and shoe findings manufacturers 1957	39	115	64	687,080	686	330	2,215,032
32		1958	43	137	73	937,853	783	385	2,706,887
33		1959	38	122	71	866,820	679	405	2,457,050
34		1960	39	140	78	941,482	635	374	2,525,061
35		1961	37	128	76	896,078	671	401	2,672,953

See footnote at end of table.

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry,
1957-61¹ - Continued

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	No.
number			dollars			
8,588	37,196,735	2,575,727	88,970,388	..	198,393,289	1
7,860	34,070,844	2,479,926	80,058,023	106,202,355	188,489,413	2
8,553	40,484,884	2,723,312	101,756,969	111,703,386	209,305,956	3
8,094	38,632,451	2,620,783	91,091,348	91,257,412	181,919,924	4
7,502	38,013,950	2,674,507	87,174,440	84,855,754	180,248,120	5
8,135	31,105,175	1,849,173	42,120,362	..	98,699,818	6
7,370	28,864,106	1,989,876	37,332,242	51,191,001	91,826,438	7
7,575	31,247,524	2,103,860	44,320,478	61,129,492	106,152,910	8
7,928	33,055,507	2,170,057	49,344,640	64,670,563	115,178,201	9
7,335	31,320,167	2,202,904	49,063,942	67,275,197	118,307,930	10
22,181	83,215,286	5,005,731	145,566,921	..	334,777,988	11
19,948	76,497,083	5,034,114	129,641,219	177,811,184	314,792,148	12
21,082	86,884,173	5,425,093	161,815,916	195,196,913	354,045,241	13
20,298	84,531,136	5,223,477	153,839,548	173,810,837	328,459,312	14
18,860	82,003,785	5,276,047	148,683,954	171,593,527	331,134,713	15
3,908	12,561,645	1,160,683	29,637,018	..	48,944,513	16
3,743	13,101,438	1,107,710	30,640,591	20,184,500	52,194,556	17
3,629	12,677,010	1,082,119	39,068,742	20,042,151	59,067,686	18
3,248	12,138,340	1,070,425	29,403,423	17,900,690	48,619,184	19
3,538	13,572,364	1,079,300	38,364,107	19,495,638	57,862,467	20
20,252	49,152,973	795,336	69,926,521	..	142,203,116	21
20,135	50,283,303	789,458	70,824,477	75,273,318	147,242,239	22
20,880	53,508,508	802,143	60,245,876	83,339,052	161,459,556	23
20,235	53,271,012	783,786	77,101,625	82,163,108	160,543,462	24
20,866	57,099,576	784,469	83,970,518	89,563,348	173,123,858	25
1,709	3,496,351	74,796	5,334,060	..	10,338,116	26
1,435	3,065,523	61,024	4,608,342	4,560,507	9,327,360	27
1,441	3,280,935	56,115	4,938,265	5,099,768	9,914,376	28
1,375	3,400,000	63,858	4,880,997	5,425,186	10,344,573	29
1,382	3,469,693	64,767	5,199,005	5,343,728	10,483,875	30
1,195	2,902,112	106,109	5,031,572	..	9,798,157	31
1,378	3,644,740	136,293	5,928,177	5,902,234	11,962,610	32
1,277	3,323,870	117,837	5,802,142	5,504,699	11,363,236	33
1,225	3,466,543	117,078	6,363,149	5,498,215	11,913,514	34
1,276	3,569,031	109,769	6,214,913	5,984,944	12,303,921	35

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry,
1957-61¹ - Continued

No.	S.I.C. Code	Industrial group and industry	Estab- lish- ments	Administrative and office employees			Production workers		
				Male	Female	Salaries	Male	Female	Wages
				number		\$	number		\$
		4. Leather industries—Concluded:							
1	1799	Miscellaneous leather products manufacturers 1957	209	454	239	2,940,167	1,776	2,040	7,717,644
2		1958	195	416	223	2,945,801	1,560	1,894	7,270,008
3		1959	185	394	226	2,958,476	1,577	1,991	7,790,396
4		1960	190	388	219	2,994,667	1,573	2,003	8,177,179
5		1961	181	385	221	3,040,775	1,615	2,150	8,822,804
6		Totals, leather industries 1957	614	2,708	1,316	16,852,572	15,294	12,255	61,920,320
7		1958	591	2,625	1,348	17,691,908	14,835	11,976	62,618,905
8		1959	572	2,611	1,387	18,315,786	14,944	12,473	65,223,409
9		1960	580	2,613	1,341	18,819,691	14,133	12,179	64,628,050
10		1961	555	2,550	1,334	18,742,890	14,569	12,960	70,831,353
		5. Textile industries:							
11	183	Cotton yarn and cloth mills 1957	49	2,082	1,137	13,250,803	11,793	6,083	43,930,121
12		1958	47	2,138	1,238	14,151,755	10,626	5,432	39,362,819
13		1959	45	2,139	1,001	13,516,750	10,062	5,002	39,796,732
14		1960	41	1,936	869	12,853,869	9,650	4,386	40,433,561
15		1961	39	1,931	818	12,763,593	10,067	4,568	43,016,210
16	193	Wool yarn mills 1957	35	169	103	1,128,509	748	1,020	4,031,813
17		1958	34	175	95	1,127,416	704	902	3,789,485
18		1959	33	174	104	1,289,853	735	1,023	4,578,267
19		1960	30	166	97	1,298,102	739	1,002	4,745,954
20		1961	26	135	101	1,166,020	634	1,057	4,528,906
21	197	Wool cloth mills 1957	65	605	314	4,170,709	3,918	2,434	15,967,896
22		1958	57	567	271	3,968,495	3,304	1,675	13,185,191
23		1959	57	505	245	3,848,500	3,514	1,771	14,626,182
24		1960	56	545	244	4,122,254	3,530	1,722	14,965,094
25		1961	55	518	248	3,802,068	3,455	1,866	15,673,061
26	201	Synthetic textile mills 1957	44	2,701	1,097	17,322,722	8,806	2,505	33,455,652
27		1958	46	2,538	1,008	17,408,459	8,173	2,401	30,504,482
28		1959	46	2,702	1,059	19,035,491	8,621	2,311	33,346,470
29		1960	50	2,653	975	19,111,267	8,801	2,501	35,854,727
30		1961	56	2,647	1,022	19,718,200	9,512	2,668	39,674,497
		Other primary textile mills:							
31	211	Fibre preparing mills 1957	31	130	31	880,912	672	115	2,327,502
32		1958	33	120	32	814,350	611	91	2,120,948
33		1959	31	109	32	810,237	628	91	2,185,330
34		1960	31	102	35	843,425	567	83	2,119,175
35		1961	30	103	31	847,993	614	104	2,312,252

See footnote at end of table.

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry,
1957-61¹ - Continued

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	No.
number			dollars			
4,509	10,657,811	234,460	13,457,306	..	29,654,193	1
4,093	10,215,809	224,558	14,234,269	15,676,653	30,158,916	2
4,188	10,748,872	223,700	14,658,061	16,839,193	31,287,865	3
4,183	11,171,846	215,803	15,549,495	18,355,398	34,246,577	4
4,371	11,863,579	235,681	17,657,926	20,000,256	37,294,402	5
31,573	78,772,892	2,371,384	123,386,477	..	240,938,095	6
30,784	80,310,813	2,319,043	126,235,856	121,597,212	250,885,681	7
31,415	83,539,195	2,283,914	144,713,086	130,824,863	273,092,719	8
30,266	83,447,741	2,250,750	133,298,689	129,340,597	265,667,310	9
31,413	89,574,243	2,273,986	151,406,469	140,387,914	291,068,523	10
21,095	57,180,924	4,461,061	129,817,598	..	219,425,305	11
19,434	53,514,574	4,422,251	124,740,866	80,300,478	211,035,052	12
18,204	53,313,482	4,285,497	129,837,403	83,794,686	218,609,527	13
16,841	53,287,430	4,161,082	121,345,889	87,094,684	210,039,839	14
17,384	55,799,803	4,440,661	136,226,684	96,215,791	236,711,105	15
2,040	5,160,322	374,628	17,039,974	..	25,304,423	16
1,876	4,918,901	355,222	14,223,379	7,811,793	22,766,786	17
2,036	5,868,120	390,638	18,259,608	10,267,574	26,789,185	18
2,004	6,044,056	368,965	16,056,504	10,200,273	26,202,446	19
1,927	5,694,926	358,130	14,165,175	9,422,042	24,030,189	20
7,271	20,138,605	1,489,381	35,968,447	..	68,754,503	21
5,817	17,153,686	1,273,499	29,279,934	28,288,327	58,839,505	22
6,035	18,474,682	1,323,816	31,806,839	31,404,985	63,353,512	23
6,041	19,087,348	1,436,329	34,029,012	31,434,971	66,602,246	24
6,085	19,475,129	1,315,904	36,227,424	32,349,600	68,443,002	25
15,109	50,778,374	5,161,106	82,824,609	..	168,308,955	26
14,120	47,912,941	4,835,157	81,121,402	86,073,433	175,776,675	27
14,693	52,381,961	5,049,319	96,852,638	104,112,366	203,209,510	28
14,930	54,965,994	4,874,184	100,286,434	112,959,540	216,530,012	29
15,849	59,392,697	5,046,699	118,305,942	123,477,735	248,717,577	30
948	3,208,414	262,272	9,361,355	..	14,867,026	31
854	2,935,298	255,690	7,610,856	5,299,047	13,373,002	32
860	2,995,567	250,082	7,516,650	5,732,581	13,399,282	33
787	2,962,600	249,330	10,345,876	5,802,660	16,235,449	34
852	3,160,245	266,401	8,613,015	5,506,053	14,840,990	35

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, 1957-61¹ - Continued

No.	S.I.C. Code	Industrial group and industry	Estab- lish- ments	Administrative and office employees			Production workers			
				Male	Female	Salaries	Male	Female	Wages	
				number		\$	number		\$	
		5. Textile industries—Continued:								
		Other primary textile mills—Concluded:								
1	212	Thread mills.....	1957	14	253	191	1,611,737	257	538	1,737,307
2			1958	16	208	169	1,394,758	250	474	1,563,231
3			1959	16	213	159	1,479,373	269	424	1,609,530
4			1960	15	261	193	1,858,876	258	398	1,596,083
5			1961	16	253	209	1,838,233	310	410	1,872,051
6	213	Cordage and twine industry.....	1957	15	133	66	1,084,093	700	271	2,901,129
7			1958	13	135	67	1,028,170	621	237	2,683,989
8			1959	12	129	65	1,055,410	625	233	2,746,651
9			1960	12	128	61	1,075,546	560	206	2,544,983
10			1961	15	138	61	1,041,354	560	196	2,625,988
11	214	Narrow fabric mills.....	1957	47	165	113	1,179,530	970	984	4,792,118
12			1958	45	147	108	1,189,639	929	852	4,570,251
13			1959	45	163	101	1,278,925	896	857	4,659,016
14			1960	47	196	90	1,269,374	876	845	4,641,325
15			1961	47	173	104	1,409,323	962	896	5,075,253
16	215	Pressed and punched felt mills.....	1957	10	52	29	455,587	322	25	1,005,361
17			1958	10	55	28	502,734	341	24	1,127,371
18			1959	10	59	37	552,075	358	25	1,296,705
19			1960	10	66	38	577,888	332	24	1,163,992
20			1961	10	52	36	519,420	311	18	1,117,036
21	216	Carpet, mat and rug industry.....	1957	15	190	107	1,530,401	994	547	3,936,321
22			1958	14	184	102	1,347,721	1,006	479	3,891,051
23			1959	12	215	97	1,524,250	916	509	4,146,957
24			1960	15	243	105	1,783,189	1,009	427	4,262,855
25			1961	15	205	113	1,751,515	913	505	4,167,669
26	218	Textile dyeing and finishing plants.....	1957	53	236	76	1,574,573	1,220	235	4,093,609
27			1958	53	283	96	1,786,428	1,160	225	4,133,245
28			1959	52	257	96	1,742,108	1,221	243	4,548,911
29			1960	53	253	100	1,853,652	1,298	254	4,865,017
30			1961	54	237	106	2,059,487	1,377	249	5,240,033
31	219	Linoleum and coated fabrics industry.....	1957	16	721	311	5,297,387	1,698	167	6,466,017
32			1958	18	790	300	5,544,083	1,729	176	6,678,133
33			1959	18	836	306	5,836,134	1,873	173	7,362,453
34			1960	17	604	224	4,562,436	1,664	145	6,655,239
35			1961	16	544	153	4,322,282	1,513	99	6,463,597

See footnote at end of table.

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry,
1957-61¹ - Continued

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	No.
number			dollars			
1,239	3,349,044	172,491	6,257,441	..	11,703,751	1
1,101	2,957,989	156,034	7,140,145	5,364,380	12,950,194	2
1,065	3,088,903	183,453	7,175,166	6,673,849	14,278,377	3
1,110	3,454,959	161,166	7,327,005	6,443,239	13,550,523	4
1,182	3,710,284	172,252	9,414,388	6,963,656	16,019,744	5
1,172	3,985,222	188,283	9,336,618	..	16,554,746	6
1,060	3,712,159	201,695	8,108,455	7,142,781	15,686,937	7
1,052	3,802,061	202,958	9,025,191	7,097,784	16,017,027	8
955	3,620,529	200,728	9,423,265	6,135,144	16,103,472	9
953	3,667,342	189,697	10,294,998	6,285,327	16,671,720	10
2,212	5,971,648	262,666	9,399,883	..	19,594,154	11
2,036	5,759,890	264,592	9,093,359	10,133,262	19,470,834	12
2,017	5,937,941	268,528	9,544,363	10,798,168	20,439,485	13
2,007	5,910,699	274,323	9,823,502	10,315,310	20,238,272	14
2,135	6,484,576	289,562	10,928,663	12,389,364	23,539,309	15
428	1,460,948	121,479	3,211,363	..	6,569,618	16
448	1,630,105	120,673	2,824,390	3,229,238	6,161,749	17
479	1,848,780	141,973	3,234,914	3,788,574	7,132,638	18
460	1,761,880	138,872	3,338,911	3,214,818	6,728,264	19
417	1,636,456	132,642	3,663,744	2,998,324	6,812,549	20
1,838	5,466,722	416,636	13,003,590	..	21,820,183	21
1,771	5,238,772	386,528	12,892,888	10,458,528	24,617,668	22
1,737	5,671,207	424,921	14,835,825	12,306,290	26,608,323	23
1,784	6,046,044	428,626	14,653,411	10,773,190	25,951,652	24
1,736	5,939,384	468,148	17,606,656	11,441,745	29,314,331	25
1,767	5,668,182	741,241	3,474,013	..	13,646,829	26
1,764	5,919,673	814,202	3,995,303	9,484,007	14,354,442	27
1,817	6,291,019	772,109	4,290,682	10,388,655	15,439,657	28
1,905	6,718,669	799,383	4,657,570	11,476,149	16,887,990	29
1,969	7,299,520	850,265	5,614,268	12,025,785	18,520,424	30
2,897	11,763,404	680,621	21,448,919	..	39,728,720	31
2,995	12,222,216	679,922	21,756,900	18,817,766	41,592,180	32
3,188	13,198,587	693,567	25,005,311	20,376,612	44,497,654	33
2,637	11,217,675	629,128	21,504,654	16,662,764	39,852,047	34
2,309	10,785,879	612,128	19,038,826	17,226,358	36,967,315	35

**TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry,
1957-61¹ - Continued**

No.	S.I.C. Code	Industrial group and industry	Estab- lish- ments	Administrative and office employees			Production workers			
				Male	Female	Salaries	Male	Female	Wages	
				number		\$	number		\$	
		5. Textile industries — Concluded:								
		Other textile industries:								
1	221	Canvas products industry	1957	132	302	133	1,477,724	596	765	2,786,125
2			1958	134	282	128	1,499,724	600	727	2,802,535
3			1959	130	291	133	1,642,784	623	740	3,105,622
4			1960	133	278	126	1,675,567	643	736	3,202,235
5			1961	132	284	127	1,755,734	607	671	3,067,055
6	223	Cotton and jute bag industry	1957	33	133	61	1,017,696	299	600	1,940,797
7			1958	31	132	59	1,064,750	299	548	1,969,860
8			1959	29	129	58	1,082,470	325	555	2,047,594
9			1960	30	122	58	1,058,033	314	539	2,049,332
10			1961	29	124	53	1,166,555	305	542	2,082,043
11	2291	Automobile fabric accessory manufacturers	1957	20	141	66	791,903	206	403	1,634,090
12			1958	19	111	54	736,177	177	379	1,435,566
13			1959	23	121	55	871,558	216	420	1,774,127
14			1960	27	121	54	961,688	226	423	1,769,138
15			1961	26	121	55	947,843	254	420	1,945,307
16	2292	Embroidery, pleating, hemstitching manu- facturers.	1957	144	194	86	1,077,522	450	801	2,638,818
17			1958	131	177	72	1,111,684	442	742	2,462,838
18			1959	131	185	77	1,195,864	443	774	2,540,040
19			1960	133	179	77	1,179,330	451	730	2,696,570
20			1961	130	182	80	1,278,734	471	805	2,890,499
21	2299	Miscellaneous textiles (n.e.s.) industry	1957	179	511	379	3,878,490	938	1,966	6,289,425
22			1958	174	502	438	4,615,271	929	1,931	6,588,641
23			1959	164	555	379	4,642,017	1,010	2,032	6,866,014
24			1960	186	646	448	5,429,809	1,040	2,054	7,528,498
25			1961	187	622	469	5,557,459	1,236	2,318	8,820,319
26		Totals, textile industries	1957	902	8,718	4,302	57,730,298	34,587	19,439	139,934,101
27			1958	875	8,544	4,265	59,291,614	31,901	17,295	128,869,636
28			1959	854	8,782	4,004	61,403,799	32,335	17,183	137,236,601
29			1960	886	8,499	3,794	61,514,305	31,958	16,475	141,113,778
30			1961	883	8,267	3,784	61,965,813	33,101	17,392	150,591,976
		6. Knitting mills:								
31	231	Hosiery mills	1957	135	550	414	3,828,096	2,976	4,776	17,822,109
32			1958	145	572	409	4,032,285	2,830	4,882	17,373,181
33			1959	140	510	377	3,962,275	2,545	4,770	17,459,022
34			1960	186	549	387	4,410,290	2,533	4,806	17,636,196
35			1961	166	575	380	4,303,493	2,514	4,808	17,944,277

See footnote at end of table.

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry,
1957-61¹ - Continued

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	No.
number			dollars			
1,796	4,263,849	187,976	9,305,201	..	16,115,394	1
1,737	4,302,259	188,141	9,045,840	6,720,797	16,073,761	2
1,787	4,748,406	193,872	9,492,069	7,675,304	17,323,048	3
1,783	4,877,802	197,261	9,722,009	8,664,328	18,004,982	4
1,689	4,822,789	176,099	9,494,965	8,221,104	17,952,327	5
1,093	2,958,493	116,586	20,906,198	..	26,237,895	6
1,038	3,034,610	137,533	20,596,973	5,734,483	26,429,106	7
1,067	3,130,064	119,472	20,499,128	6,140,028	27,084,029	8
1,033	3,107,365	142,932	19,681,966	6,543,096	26,340,634	9
1,024	3,248,598	159,078	21,889,524	6,604,607	28,670,018	10
816	2,425,993	92,679	6,397,928	..	10,515,980	11
721	2,171,743	75,932	5,980,721	3,871,125	9,322,899	12
812	2,645,685	80,108	7,675,851	4,113,544	11,883,042	13
824	2,730,826	83,930	8,074,256	4,114,262	12,452,123	14
850	2,893,150	76,443	7,878,389	5,333,889	13,190,549	15
1,531	3,716,340	88,288	2,677,046	..	8,578,742	16
1,433	3,574,522	77,796	2,381,990	5,606,916	8,065,147	17
1,479	3,735,904	80,233	2,851,422	6,242,712	9,171,217	18
1,437	3,875,900	81,470	2,231,656	6,109,512	8,421,715	19
1,538	4,169,233	84,296	2,256,775	6,303,209	8,625,459	20
3,794	10,167,915	399,433	26,633,151	..	48,420,689	21
3,800	11,203,912	386,363	26,188,282	22,215,198	48,733,526	22
3,976	11,508,031	365,594	27,802,236	22,254,813	50,387,294	23
4,188	12,958,307	443,868	30,989,923	24,216,020	55,788,360	24
4,845	14,377,778	474,950	36,176,613	29,924,092	66,261,092	25
67,046	197,664,399	15,216,827	407,063,334	..	736,146,913	26
62,005	188,161,250	14,631,230	386,981,683	316,551,539	725,249,663	27
62,304	198,640,400	14,806,138	423,705,296	353,168,525	785,622,807	28
60,726	202,628,083	14,671,577	423,491,645	362,161,960	795,930,026	29
62,544	212,557,789	15,113,353	468,001,049	392,688,681	875,287,700	30
8,716	21,650,205	809,646	26,776,128	..	61,819,327	31
8,693	21,405,466	825,951	27,184,057	35,345,674	63,560,930	32
8,202	21,421,297	791,927	29,277,797	38,293,159	66,946,032	33
8,275	22,046,486	724,442	31,770,857	39,187,228	71,955,237	34
8,277	22,247,770	740,460	35,414,920	40,497,514	75,679,385	35

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry,
1957-61¹ - Continued

No.	S.I.C. Code	Industrial group and industry	Estab- lish- ments	Administrative and office employees			Production workers			
				Male	Female	Salaries	Male	Female	Wages	
				number		\$	number		\$	
		6. Knitting mills—Concluded:								
1	239	Other knitting mills	1957	171	861	698	6,250,327	3,234	8,601	23,583,683
2			1958	171	836	726	6,570,950	2,972	8,045	22,817,436
3			1959	173	804	680	6,991,525	3,209	8,481	24,925,456
4			1960	190	929	838	8,250,253	3,227	7,910	24,986,244
5			1961	192	977	760	8,229,288	3,291	8,154	26,992,324
6		Totals, knitting mills	1957	306	1,411	1,112	10,078,423	6,210	13,377	41,405,792
7			1958	316	1,408	1,135	10,603,235	5,802	12,927	40,190,617
8			1959	313	1,314	1,057	10,953,800	5,754	13,251	42,384,478
9			1960	356	1,478	1,225	12,660,543	5,760	12,716	42,622,440
10			1961	358	1,552	1,140	12,532,781	5,805	12,962	44,936,601
		7. Clothing industries:								
11	2431	Men's clothing factories	1957	554	2,672	1,632	18,270,732	8,420	19,409	58,898,635
12			1958	541	2,496	1,565	17,969,741	8,094	17,943	56,514,556
13			1959	506	2,488	1,699	19,199,336	7,751	17,352	57,104,445
14			1960	498	2,397	1,535	19,033,679	7,449	17,266	56,973,826
15			1961	488	2,277	1,518	18,440,828	7,878	17,695	61,784,128
16	2432	Men's clothing contractors	1957	152	262	67	1,093,033	1,341	3,471	8,658,178
17			1958	144	239	71	1,086,175	1,283	3,357	8,306,307
18			1959	135	236	65	1,063,013	1,298	3,311	8,688,429
19			1960	140	222	65	1,056,229	1,269	3,573	9,118,705
20			1961	136	205	62	1,078,433	1,352	3,852	10,037,623
21	2441	Women's clothing factories	1957	669	1,821	1,419	16,082,461	5,247	17,767	50,469,324
22			1958	657	1,752	1,422	16,907,535	4,920	17,579	51,598,768
23			1959	634	1,793	1,495	18,035,091	5,085	17,554	53,918,609
24			1960	645	1,896	1,517	18,859,897	5,033	17,541	54,207,078
25			1961	633	1,673	1,439	17,251,210	5,032	17,783	57,237,079
26	2442	Women's clothing contractors	1957	143	176	52	732,470	315	2,903	5,032,673
27			1958	145	180	65	776,482	313	3,140	5,538,465
28			1959	144	170	70	878,308	395	3,170	5,935,154
29			1960	169	178	87	955,851	354	3,938	7,053,112
30			1961	184	201	114	1,135,357	494	4,667	9,248,486
31	245	Children's clothing industry	1957	189	448	331	3,496,993	1,269	5,571	12,794,756
32			1958	187	463	359	3,660,982	1,267	5,790	13,334,170
33			1959	160	446	376	3,902,266	1,300	5,998	14,315,730
34			1960	186	465	384	4,172,230	1,392	6,183	14,957,710
35			1961	182	434	348	3,960,420	1,317	6,050	14,916,864

See footnote at end of table.

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry,
1957-61¹ - Continued

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	No.
number			dollars			
13,394	29,834,010	1,204,108	62,132,351	..	111,797,972	1
12,579	29,388,386	1,070,909	61,246,778	49,898,319	110,906,500	2
13,174	31,916,981	1,151,027	69,081,826	54,090,035	123,576,328	3
12,904	33,236,497	1,065,315	72,064,526	55,820,791	127,610,919	4
13,182	35,221,612	1,186,464	81,947,047	60,143,893	143,616,593	5
22,110	51,484,215	2,013,754	88,908,479	..	173,617,299	6
21,272	50,793,832	1,896,860	88,430,835	85,243,993	174,467,430	7
21,376	53,338,278	1,942,954	98,359,623	92,383,194	190,522,360	8
21,179	55,282,983	1,789,757	103,835,383	95,008,019	199,566,156	9
21,459	57,469,382	1,926,924	117,361,967	100,641,407	219,295,978	10
32,133	77,169,367	1,057,350	154,097,784	..	273,772,823	11
30,098	74,484,297	1,003,907	146,078,563	116,352,821	265,540,892	12
29,290	76,303,781	989,378	145,881,979	116,529,412	260,902,693	13
28,647	76,007,505	997,326	144,528,018	116,020,272	259,461,011	14
29,368	80,224,956	1,023,838	157,760,437	123,614,414	279,086,853	15
5,141	9,751,211	180,573	1,383,156	..	13,230,423	16
4,950	9,392,482	172,015	1,191,810	11,243,887	12,598,679	17
4,910	9,751,442	156,066	1,276,343	11,656,903	13,099,257	18
5,129	10,174,934	166,678	1,171,222	12,436,600	13,806,221	19
5,471	11,116,056	162,862	1,498,798	13,715,046	15,344,832	20
26,254	66,551,785	773,687	131,755,207	..	244,196,872	21
25,673	68,506,303	699,130	131,722,573	116,418,823	248,494,753	22
25,927	71,953,700	680,440	137,565,177	122,425,349	259,446,172	23
25,987	73,066,975	682,761	140,742,490	126,341,924	266,410,354	24
25,927	74,488,289	704,271	151,134,488	127,738,427	277,477,796	25
3,446	5,765,143	113,447	643,902	..	8,416,634	26
3,698	6,314,947	103,187	714,018	7,948,893	8,785,665	27
3,805	6,813,462	112,539	813,367	8,807,341	9,727,430	28
4,557	8,008,963	125,972	900,207	9,959,706	10,993,650	29
5,476	10,363,843	142,153	1,078,672	12,968,477	14,261,384	30
7,619	16,291,749	242,648	35,123,693	..	61,162,818	31
7,879	18,995,152	242,011	36,685,179	28,831,123	65,537,490	32
8,120	18,217,996	225,320	40,202,467	30,223,061	69,988,424	33
8,424	19,129,940	247,255	41,811,476	31,828,774	73,835,896	34
8,149	18,877,284	238,421	43,224,615	30,329,875	73,256,354	35

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, 1957-61¹ - Continued

No.	S.I.C. Code	Industrial group and industry	Estab- lish- ments	Administrative and office employees			Production workers		
				Male	Female	Salaries	Male	Female	Wages
				number		\$	number		\$
		7. Clothing industries—Concluded:							
1	246	Fur goods industry..... 1957	472	882	193	4,131,254	2,074	1,128	9,575,511
2		1958	430	784	190	4,248,604	1,859	1,066	9,311,670
3		1959	415	754	206	4,274,471	1,880	1,025	9,819,171
4		1960	426	745	197	4,244,519	1,753	1,014	9,229,848
5		1961	444	718	190	4,259,013	1,751	1,017	9,472,070
6	247	Hat and cap industry 1957	145	395	209	2,724,588	1,399	2,297	8,139,982
7		1958	140	397	191	2,756,603	1,361	2,124	7,990,918
8		1959	129	362	190	2,674,652	1,374	2,073	8,256,077
9		1960	130	381	187	2,776,626	1,347	2,088	8,279,935
10		1961	130	364	175	2,651,972	1,324	2,087	8,566,391
11	248	Foundation garment industry 1957	42	312	500	2,946,723	393	2,852	5,822,319
12		1958	43	272	430	2,780,503	401	2,912	6,140,146
13		1959	43	278	424	3,082,149	373	3,082	6,606,207
14		1960	41	266	412	3,400,408	407	2,939	6,586,701
15		1961	42	271	422	3,341,241	369	2,851	6,561,413
		Other clothing industries:							
16	2491	Fabric glove manufacturers 1957	12	41	43	342,457	119	629	1,077,920
17		1958	13	40	45	351,727	109	543	1,012,876
18		1959	13	46	40	363,048	115	644	1,268,773
19		1960	13	50	34	390,698	101	543	1,189,725
20		1961	13	41	37	413,313	107	572	1,261,341
21	2499	Miscellaneous clothing (n.e.s.) industry 1957	67	152	101	1,059,609	264	849	2,128,788
22		1958	62	145	90	1,053,868	229	722	1,956,316
23		1959	59	148	90	1,034,026	255	770	2,176,188
24		1960	58	139	86	1,052,806	230	704	2,092,316
25		1961	55	126	78	934,531	197	638	1,836,766
26		Totals, clothing industries 1957	2,445	7,161	4,547	50,880,320	20,841	56,876	162,598,086
27		1958	2,362	6,768	4,428	51,592,220	19,836	55,176	161,704,192
28		1959	2,258	6,721	4,655	54,506,360	19,826	54,979	168,088,784
29		1960	2,306	6,739	4,504	55,942,943	19,335	55,789	169,688,954
30		1961	2,307	6,312	4,383	53,466,318	19,821	57,212	180,922,161
		8. Wood industries:							
31	2511	Shingle mills 1957	50	110	41	664,978	1,212	6	4,866,967
32		1958	38	92	37	556,509	1,174	6	4,994,205
33		1959	36	75	23	425,626	881	2	3,634,107
34		1960	35	71	26	485,016	1,234	6	5,426,215
35		1961	53	87	31	557,427	1,270	8	5,610,893
36	2513	Sawmills 1957	4,490	7,654	787	24,044,947	37,339	264	109,970,131
37		1958	4,004	7,012	797	23,918,223	35,440	235	110,428,204
38		1959	4,003	6,749	788	24,906,879	37,380	211	113,546,776
39		1960	3,719	6,365	807	25,801,349	36,489	225	119,648,066
40		1961	3,260	5,287	784	24,473,606	34,864	199	120,226,080

See footnote at end of table.

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry,
1957-61¹ - Continued

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	No.
number			dollars			
4,277	13,706,765	291,898	37,216,513	..	58,069,114	1
3,899	13,560,274	259,879	36,106,054	20,886,479	57,155,444	2
3,865	14,093,643	230,902	36,755,775	22,786,793	58,772,392	3
3,709	13,474,365	248,892	35,699,389	22,099,133	57,542,958	4
3,676	13,731,083	256,728	36,930,703	22,550,634	59,553,536	5
4,300	10,864,570	267,085	13,883,185	..	30,678,459	6
4,073	10,747,521	285,769	12,528,653	16,426,761	29,154,117	7
3,999	10,930,729	292,043	12,780,752	16,847,392	29,803,908	8
4,003	11,056,561	282,213	13,005,108	16,883,106	30,199,641	9
3,950	11,218,363	282,165	13,266,512	17,685,349	31,475,380	10
4,057	8,769,042	131,695	11,946,560	..	29,542,665	11
4,015	8,920,649	127,183	12,739,780	19,126,581	31,360,077	12
4,157	9,688,356	134,020	13,842,350	19,758,236	33,547,530	13
4,024	9,987,109	123,415	14,563,310	20,672,791	34,847,230	14
3,913	9,902,654	122,834	14,807,384	20,823,773	35,841,568	15
832	1,420,377	27,528	2,570,288	..	5,132,629	16
737	1,364,603	24,637	2,595,663	2,468,604	5,041,958	17
845	1,831,821	26,872	2,716,411	2,606,613	5,291,602	18
728	1,580,423	30,590	2,506,729	2,798,257	5,250,946	19
757	1,674,654	41,301	2,945,141	2,813,493	5,733,223	20
1,366	3,188,397	62,006	5,881,195	..	11,061,077	21
1,186	3,010,184	55,608	5,549,024	5,082,172	10,689,389	22
1,263	3,210,214	60,403	5,815,434	5,387,752	11,226,426	23
1,159	3,145,122	54,511	5,788,014	4,794,124	10,619,163	24
1,041	2,771,297	44,387	4,876,630	4,632,944	9,502,585	25
89,425	213,478,406	3,168,117	394,501,483	..	735,263,514	26
86,208	213,296,412	2,973,326	385,911,317	344,786,144	734,358,464	27
86,181	222,595,144	2,907,983	397,650,055	357,028,852	751,805,834	28
86,387	225,631,897	2,959,613	400,715,963	363,834,687	762,967,070	29
87,728	234,388,479	3,018,960	427,523,380	377,072,432	801,535,491	30
1,369	5,531,945	172,110	8,280,809	..	16,788,572	31
1,309	5,550,714	185,796	8,335,795	8,397,752	16,919,343	32
981	4,059,733	155,485	6,674,200	5,919,979	12,749,664	33
1,337	5,911,231	173,392	8,186,702	7,683,050	16,043,144	34
1,396	8,188,320	337,099	8,217,324	7,816,284	16,328,748	35
46,044	134,015,078	7,947,676	268,362,802	..	484,270,200	36
43,484	134,346,427	8,762,505	262,455,513	209,452,968	480,674,716	37
45,128	138,453,655	9,336,920	275,113,910	223,649,600	508,098,620	38
43,888	145,449,415	9,501,149	295,824,119	224,854,846	530,186,668	39
41,134	144,699,688	11,380,488	306,238,148	218,227,808	534,590,574	40

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry,
1957-61¹ - Continued

No.	S.I.C. Code	Industrial group and industry	Estab- lish- ments	Administrative and office employees			Production workers			
				Male	Female	Salaries	Male	Female	Wages	
				number		\$	number		\$	
8. Wood industries--Continued:										
1	252	Veneer and plywood mills	1957	77	876	245	5,861,652	8,502	1,542	30,910,721
2			1958	71	870	243	6,046,764	8,358	1,540	31,849,152
3			1959	72	922	254	6,824,318	9,074	1,581	34,518,827
4			1960	76	970	252	6,978,485	8,342	1,514	34,948,419
5			1961	75	873	229	6,182,479	8,459	1,548	36,200,915
6	2541	Sash and door and planing mills	1957	1,620	3,046	582	12,629,722	13,500	171	36,242,684
7			1958	1,399	2,863	559	13,633,131	12,968	136	36,839,592
8			1959	1,385	2,854	536	14,228,684	13,252	159	39,175,300
9			1960	1,375	2,828	551	14,546,135	12,025	157	36,602,642
10			1961	1,356	2,835	593	14,833,753	12,603	144	40,024,385
11	2542	Hardwood flooring	1957	25	138	38	826,448	1,246	31	3,182,828
12			1958	24	140	48	987,977	1,266	66	3,430,417
13			1959	21	146	43	1,007,993	1,219	53	3,385,330
14			1960	22	148	47	949,007	1,048	37	2,927,487
15			1961	19	92	36	678,909	1,019	61	2,950,661
16	256	Wooden box factories	1957	176	395	94	1,643,084	2,644	354	7,003,291
17			1958	153	369	96	1,684,026	2,282	355	6,338,018
18			1959	148	349	73	1,722,167	2,358	346	6,688,195
19			1960	163	345	74	1,796,640	2,302	320	6,815,618
20			1961	160	339	89	1,826,627	2,108	266	6,216,204
21	258	Coffin and casket industry	1957	57	132	57	768,622	953	170	2,809,481
22			1958	61	128	60	785,584	966	182	2,999,041
23			1959	60	136	58	888,329	984	177	3,059,405
24			1960	64	138	59	887,967	973	184	3,228,541
25			1961	84	136	57	916,631	977	180	3,255,368
Miscellaneous wood industries:										
	2591	Wood preservation (included in 2599)								
26	2592	Wood handles and turning	1957	62	155	46	846,190	963	113	2,408,436
27			1958	64	164	51	883,270	1,049	103	2,667,207
28			1959	61	164	46	874,049	1,054	109	2,665,514
29			1960	59	151	42	839,389	1,039	101	2,799,171
30			1961	60	144	43	811,477	938	102	2,604,103
31	2593	Woodenware	1957	30	60	18	274,812	320	131	870,223
32			1958	26	58	17	294,774	309	110	831,222
33			1959	22	52	14	289,477	283	114	780,299
34			1960	25	62	18	335,296	328	130	940,991
35			1961	25	80	12	345,230	290	119	860,760

See footnote at end of table.

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry,
1957-61¹ - Continued

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	No.
number			dollars			
11,165	36,772,373	1,764,566	66,974,795	..	123,617,139	1
11,011	37,895,916	2,049,208	66,973,753	62,596,881	132,460,196	2
11,831	41,343,145	2,123,991	71,353,950	70,414,639	144,443,202	3
11,078	41,926,904	2,599,064	76,372,129	61,299,200	137,880,882	4
11,109	42,383,394	2,928,750	79,157,716	60,284,921	143,718,667	5
17,279	48,872,406	3,555,598	126,044,927	..	204,945,315	6
16,526	50,472,723	3,529,639	129,551,815	85,780,607	217,812,616	7
18,801	53,403,984	3,663,094	140,839,138	92,463,029	235,525,672	8
15,561	51,148,777	3,589,679	128,086,432	80,729,622	212,831,899	9
16,175	54,858,138	3,916,597	138,583,139	93,688,651	235,160,488	10
1,451	4,009,276	258,728	9,396,178	..	15,314,942	11
1,520	4,418,394	230,492	9,949,577	7,283,282	17,586,103	12
1,461	4,393,323	184,375	9,750,626	6,473,821	16,086,505	13
1,280	3,876,494	192,353	7,936,120	5,795,231	13,833,208	14
1,208	3,629,570	158,450	7,849,345	5,976,681	13,997,258	15
3,487	8,646,375	499,732	12,574,064	..	26,293,870	16
3,102	8,022,044	471,574	10,196,933	11,632,729	22,262,825	17
3,126	8,410,362	418,454	10,842,742	12,429,531	23,742,909	18
3,041	8,612,258	391,521	10,884,361	12,793,127	24,049,753	19
2,802	8,042,831	361,167	10,074,770	11,874,774	22,324,470	20
1,312	3,578,103	161,407	4,589,787	..	10,003,683	21
1,336	3,784,625	168,453	4,615,700	5,785,521	10,817,850	22
1,355	3,947,734	155,159	4,720,890	6,221,115	11,056,110	23
1,354	4,116,508	165,709	4,939,218	8,512,308	11,599,334	24
1,350	4,171,999	166,584	4,907,448	6,643,398	11,738,038	25
1,277	3,254,628	159,354	4,112,133	..	9,095,193	26
1,367	3,550,477	167,488	4,428,593	5,500,380	10,054,370	27
1,373	3,539,563	169,691	4,091,528	5,302,002	9,591,274	28
1,333	3,638,560	190,598	4,835,018	5,389,780	10,184,044	29
1,227	3,415,580	165,158	4,239,095	4,429,140	9,232,783	30
527	1,145,035	59,000	1,594,117	..	3,325,343	31
494	1,125,996	48,206	1,651,112	1,764,609	3,462,685	32
463	1,069,776	54,351	1,594,701	1,891,656	3,554,543	33
536	1,276,289	61,179	1,723,998	1,938,453	3,596,505	34
481	1,205,990	56,967	1,660,450	1,802,367	3,537,440	35

**TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry,
1957-61¹ - Continued**

No.	S.I.C. Code	Industrial group and industry	Estab- lish- ments	Administrative and office employees			Production workers			
				Male	Female	Salaries	Male	Female	Wages	
				number		\$	number		\$	
		8. Wood industries—Concluded:								
		Miscellaneous wood industries—Concluded:								
1	2594	Cooperage	1957	56	105	28	453,226	423	4	1,244,284
2			1958	48	96	30	427,782	408	1	1,123,463
3			1959	45	102	32	430,968	395	1	1,150,121
4			1960	43	79	33	421,488	358	2	1,018,009
5			1961	33	92	34	471,883	341	15	1,050,104
6	2599	Miscellaneous wood industries, n.e.s.,	1957	165	476	163	2,778,443	2,825	228	9,308,543
7		including wood preservation (2591).	1958	133	412	138	2,456,127	2,389	185	7,866,185
8			1959	147	430	145	2,802,253	2,402	155	8,214,113
9			1960	149	439	128	2,786,613	2,195	92	8,004,361
10			1961	146	397	111	2,670,893	2,078	92	7,582,316
11		Totals, wood industries	1957	6,808	13,145	2,077	50,792,124	69,927	3,014	208,817,591
12			1958	6,021	12,204	2,076	51,674,167	66,589	2,919	209,366,706
13			1959	6,002	11,979	2,012	54,400,743	69,282	2,908	216,817,987
14			1960	5,730	11,596	2,037	55,829,387	66,333	2,768	222,359,520
15			1961	5,251	10,342	2,019	53,768,915	64,947	2,734	226,561,789
		9. Furniture and fixture industries:								
18	261	Household furniture industry	1957	1,472	2,901	876	14,199,363	15,478	1,340	45,308,524
17			1958	1,347	2,706	851	14,463,967	14,823	1,337	44,689,110
16			1959	1,424	2,815	851	15,902,224	14,950	1,457	47,881,777
19			1960	1,558	3,019	871	18,550,906	14,706	1,479	47,483,701
20			1961	1,580	2,916	882	16,807,085	14,632	1,506	49,342,168
21	264	Office furniture industry	1957	53	364	170	2,332,128	2,209	85	6,907,982
22			1958	48	349	171	2,355,559	1,986	67	6,287,774
23			1959	48	387	196	2,600,088	2,365	85	7,832,769
24			1960	53	427	186	2,818,997	2,338	79	8,093,208
25			1961	44	382	166	2,677,732	2,229	76	8,025,710
26	266	Other furniture industries	1957	394	1,188	427	7,042,367	6,494	877	21,123,166
27			1958	377	1,193	450	7,391,836	8,435	899	21,822,696
28			1959	370	1,240	464	8,194,884	6,526	840	22,763,908
29			1960	396	1,307	499	8,632,980	6,750	916	24,258,751
30			1961	403	1,205	495	8,513,279	6,593	876	23,848,556
31	268	Electric lamp and shade industry	1957	67	153	94	902,401	499	439	1,941,667
32			1958	63	136	98	893,300	492	418	1,980,279
33			1959	56	123	66	912,468	499	444	2,239,381
34			1960	63	123	95	942,684	537	406	2,224,995
35			1961	62	126	90	987,995	514	465	2,243,146

See footnote at end of table.

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry,
1957-61¹ - Continued

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	No.
number			dollars			
560	1,697,510	123,863	4,222,132	..	6,620,964	1
535	1,551,245	117,972	3,982,559	2,033,596	6,084,139	2
530	1,581,089	97,946	3,486,394	2,056,717	5,634,211	3
472	1,439,497	111,502	3,375,062	1,780,292	5,253,489	4
482	1,521,987	88,824	3,170,418	1,949,390	5,207,005	5
3,692	12,086,986	964,099	23,684,376	..	44,454,308	6
3,104	10,322,312	849,923	20,646,633	17,193,697	38,833,229	7
3,132	11,016,366	814,653	24,233,175	20,865,379	45,174,254	8
2,854	10,792,974	767,275	20,240,575	21,836,467	41,874,075	9
2,678	10,233,209	759,462	20,694,898	18,679,319	39,508,149	10
88,163	259,609,715	15,666,131	529,836,120	..	944,709,529	11
83,788	261,040,873	16,581,256	522,788,183	417,422,022	956,768,072	12
86,181	271,218,730	17,174,119	552,701,252	447,687,468	1,015,657,164	13
82,734	278,188,907	17,743,421	562,403,734	430,612,176	1,007,333,001	14
80,042	280,330,704	20,339,546	584,792,751	431,372,733	1,035,343,618	15
20,595	59,507,887	2,148,644	92,716,856	..	183,424,800	16
19,717	59,153,077	2,022,863	90,701,567	92,076,182	184,411,703	17
20,073	63,764,001	2,079,282	95,912,875	97,152,738	193,096,937	18
20,075	64,034,607	2,127,211	93,537,551	97,655,606	192,284,758	19
19,936	66,149,253	2,166,249	100,008,167	104,219,277	205,596,993	20
2,828	9,240,110	393,563	10,361,865	..	25,896,092	21
2,573	8,643,333	412,239	8,970,698	13,633,547	22,960,070	22
3,033	10,432,837	439,630	11,976,321	16,078,879	28,470,965	23
3,030	10,912,205	447,567	11,828,078	17,123,395	30,007,941	24
2,853	10,703,442	451,992	11,989,391	17,638,038	29,985,050	25
8,986	28,165,533	1,131,621	46,907,685	..	94,312,351	26
8,977	29,014,532	1,138,861	47,977,167	48,606,056	97,663,289	27
9,070	30,958,790	1,225,824	51,531,277	51,656,838	103,875,910	28
9,472	32,891,731	1,137,288	52,478,969	54,289,445	107,797,372	29
9,169	32,361,837	1,199,135	55,657,664	57,460,141	113,667,410	30
1,185	2,844,068	100,423	5,830,965	..	11,168,745	31
1,144	2,873,579	95,871	6,050,983	5,574,023	11,642,550	32
1,152	3,151,849	86,278	6,553,226	5,600,020	12,707,122	33
1,161	3,167,679	87,465	6,317,168	5,492,551	11,899,075	34
1,195	3,231,141	89,605	6,979,896	5,785,539	12,812,652	35

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, 1957-61¹ - Continued

No.	S.I.C. Code	Industrial group and industry	Estab- lish- ments	Administrative and office employees			Production workers			
				Male	Female	Salaries	Male	Female	Wages	
				number		\$	number		\$	
		9. Furniture and fixtures industries—Concluded:								
1		Totals, furniture and fixture industries 1957	1,986	4,606	1,567	24,476,259	24,680	2,741	75,281,339	
2		1958	1,835	4,384	1,570	25,104,662	23,736	2,721	74,579,859	
3		1959	1,898	4,565	1,597	27,609,644	24,340	2,826	80,697,833	
4		1960	2,070	4,876	1,651	28,945,567	24,331	2,860	82,060,655	
5		1961	2,089	4,629	1,633	28,986,091	23,968	2,923	83,459,582	
		10. Paper and allied industries:								
6	271	Pulp and paper mills	1957	127	8,815	2,688	70,407,895	53,478	1,086	237,581,913
7			1958	127	8,962	2,640	74,300,510	51,520	1,077	233,571,380
8			1959	126	9,089	2,622	77,560,075	52,330	1,121	245,375,678
9			1960	126	9,602	2,857	84,894,005	52,209	1,104	260,198,841
10			1961	125	9,587	2,784	83,936,706	52,384	1,044	271,234,354
11	272	Asphalt roofing manufacturers	1957	21	688	280	4,655,956	1,393	49	4,647,229
12			1958	18	644	250	4,330,902	1,445	56	5,456,255
13			1959	17	587	218	4,262,266	1,228	47	4,923,187
14			1960	18	527	202	3,668,201	1,085	31	4,354,548
15			1961	19	505	202	3,815,572	1,147	32	4,854,948
		Paper box and bag manufacturers:								
16	2731	Folding box and set-up box manufacturers	1957	141	1,019	503	7,124,737	4,014	2,537	18,499,027
17			1958	136	1,061	467	7,609,711	4,060	2,517	19,442,542
18			1959	141	972	419	7,146,880	4,243	2,517	20,906,543
19			1960	141	988	433	7,453,062	4,191	2,492	21,627,352
20			1961	133	855	390	6,771,675	4,075	2,200	21,588,648
21	2732	Corrugated box manufacturers	1957	34	940	443	5,211,320	3,300	1,019	15,087,891
22			1958	35	969	416	6,021,432	3,342	1,002	15,899,675
23			1959	40	1,063	431	6,481,852	3,776	1,146	18,109,598
24			1960	39	1,125	469	7,502,249	3,911	1,016	18,931,324
25			1961	40	987	380	7,065,662	3,963	944	19,531,691
26	2733	Paper bag manufacturers.....	1957	57	322	163	2,158,196	1,318	1,239	7,125,909
27			1958	56	316	172	2,255,904	1,368	1,253	7,118,077
28			1959	50	427	215	3,440,715	1,357	1,265	7,788,753
29			1960	59	417	244	3,222,778	1,582	1,315	6,733,190
30			1961	62	454	245	3,412,823	1,646	1,297	9,420,398
31	274	Other paper converters	1957	191	1,350	696	10,189,480	4,868	2,659	23,331,406
32			1958	174	1,352	838	10,794,702	4,917	2,583	24,055,604
33			1959	170	1,368	830	11,536,746	4,728	2,436	24,267,822
34			1960	162	1,520	857	12,638,782	4,713	2,391	24,999,075
35			1961	190	1,486	821	13,074,022	4,936	2,498	26,422,646

See footnote at end of table.

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry,
1957-61¹ - Continued

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	No.
number			dollars			
33,594	99,757,598	3,774,271	155,817,371	..	314,801,988	1
32,411	99,684,521	3,669,834	153,700,415	159,889,808	316,877,612	2
33,328	108,307,477	3,831,014	165,973,699	170,688,475	338,150,934	3
33,738	111,006,222	3,799,531	164,161,786	174,560,997	341,989,146	4
33,153	112,445,673	3,906,981	174,635,120	185,102,995	362,062,105	5
68,967	307,989,808	108,736,978	618,331,788	..	1,415,820,896	6
64,199	307,871,890	105,863,625	598,754,406	705,956,214	1,398,348,882	7
65,162	322,935,753	109,001,974	630,202,524	763,184,428	1,502,312,449	8
65,772	345,092,846	111,259,354	657,865,464	814,797,844	1,583,107,108	9
65,799	355,171,060	117,083,749	680,167,808	842,419,865	1,634,606,001	10
2,410	9,303,185	817,850	20,390,640	..	39,969,965	11
2,395	9,787,157	799,192	22,898,400	21,167,207	44,431,513	12
2,080	9,185,453	745,393	22,381,390	17,054,107	40,277,543	13
1,845	8,022,749	702,375	20,208,001	16,101,478	37,013,292	14
1,886	8,670,520	819,243	22,585,758	19,589,356	42,162,355	15
8,073	25,623,764	778,619	51,973,015	..	94,056,920	16
8,105	27,052,253	806,948	55,523,598	44,531,959	100,051,865	17
8,151	28,053,423	837,024	62,155,427	49,478,123	111,048,269	18
8,104	29,080,414	829,172	65,944,070	49,438,742	115,286,315	19
7,520	28,360,323	859,275	65,262,823	48,357,707	113,435,640	20
5,702	20,299,211	1,041,047	73,068,759	..	111,674,339	21
5,729	21,921,107	1,100,736	76,515,203	41,286,714	118,666,798	22
6,416	24,591,450	1,191,254	87,599,775	48,715,768	136,351,056	23
6,521	26,433,573	1,217,084	89,872,776	48,848,739	139,843,298	24
6,274	26,597,373	1,239,726	96,084,552	49,966,157	147,063,338	25
3,042	9,284,105	308,786	39,178,829	..	61,490,955	26
3,109	9,371,981	330,065	40,573,060	24,413,305	65,245,523	27
3,264	11,229,468	354,364	42,574,419	24,559,403	67,158,349	28
3,558	11,955,968	396,325	49,239,161	27,193,871	78,702,380	29
3,642	12,841,221	424,769	54,252,776	28,710,862	82,577,016	30
9,773	33,520,886	1,638,082	88,684,868	..	154,699,123	31
9,690	34,850,308	1,631,493	91,604,770	75,737,080	187,814,744	32
9,362	35,804,566	1,650,333	93,335,392	78,530,132	172,945,521	33
9,481	37,637,857	1,683,425	95,828,389	78,048,909	173,942,284	34
9,741	39,496,668	1,862,730	103,149,167	82,272,219	185,889,705	35

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, 1957-61¹—Continued

No.	S.I.C. Code	Industrial group and industry	Estab-lish-ments	Administrative and office employees			Production workers		
				Male	Female	Salaries	Male	Female	Wages
				number		\$	number		\$
		10. Paper and allied industries—Concluded:							
1		Totals, paper and allied industries 1957	571	13,134	4,973	99,747,584	68,371	8,589	306,273,375
2		1958	546	13,304	4,783	105,313,161	66,632	8,488	305,541,533
3		1959	544	13,506	4,735	110,428,534	67,662	8,532	321,371,581
4		1960	565	14,179	5,062	119,779,077	67,691	8,349	338,844,330
5		1961	569	13,874	4,822	118,076,480	68,151	8,015	353,060,685
		11. Printing, publishing and allied industries:							
6	2861	Printing and bookbinding 1957	1,766	4,187	1,812	23,911,451	12,172	4,444	52,577,877
7		1958	1,707	3,905	1,863	26,253,443	12,106	4,411	56,981,113
8		1959	1,726	4,092	2,042	29,045,216	12,517	4,628	61,624,304
9		1960	1,751	4,242	2,044	29,645,170	12,530	4,575	63,479,391
10		1961	1,688	3,920	1,907	27,803,802	11,699	4,366	60,127,514
11	2862	Lithographing 1957	189	1,161	676	8,878,978	4,487	1,777	22,315,715
12		1958	192	1,131	752	9,645,309	4,518	1,674	23,797,725
13		1959	197	1,145	720	10,099,467	4,526	1,641	24,745,072
14		1960	249	1,322	803	11,538,048	4,789	1,760	27,345,296
15		1961	326	1,531	929	13,075,251	5,769	2,053	32,867,773
16	2871	Engraving and duplicate plates 1957	157	646	325	4,924,378	3,191	528	16,703,669
17		1958	161	592	326	5,103,222	2,777	445	15,530,566
18		1959	161	645	329	5,794,507	2,822	437	16,183,334
19		1960	160	679	310	6,107,216	2,817	435	16,359,057
20		1961	171	715	326	6,116,841	2,663	398	16,360,835
21	2872	Trade composition and typesetting 1957	52	185	59	1,112,301	849	26	3,393,109
22		1958	51	153	60	1,197,128	812	18	3,595,695
23		1959	54	172	60	1,365,551	856	18	4,025,823
24		1960	56	195	62	1,668,200	865	12	4,382,088
25		1961	57	198	66	1,743,256	906	17	4,684,334
26	288	Publishing only 1957	404	1,395	2,078	12,677,778	—	—	—
27		1958	401	1,449	2,168	14,227,699	—	—	—
28		1959	420	1,733	2,339	16,488,840	—	—	—
29		1960	442	1,945	2,228	16,714,855	—	—	—
30		1961	434	1,957	2,078	17,253,249	—	—	—
31	289	Printing and publishing 1957	772	9,383	5,374	57,635,299	14,287	1,902	65,038,494
32		1958	746	8,911	5,370	58,503,094	14,220	2,077	69,322,794
33		1959	742	9,154	5,397	63,357,024	14,353	1,996	72,098,567
34		1960	752	9,493	5,587	68,826,856	14,267	2,089	74,214,735
35		1961	752	9,839	5,668	73,947,795	13,814	1,960	73,920,220

See footnote at end of table.

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry,
1957-61¹ - Continued

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	No.
number			dollars			
95,067	406,020,959	113,321,362	891,627,899	..	1,877,712,198	1
93,227	410,854,694	110,532,059	885,869,435	913,092,479	1,894,559,325	2
94,435	431,800,115	113,780,342	938,248,927	981,521,961	2,030,093,187	3
95,281	458,223,407	116,087,735	978,957,863	1,034,429,583	2,125,894,677	4
94,862	471,137,165	122,289,492	1,021,502,882	1,071,316,186	2,205,734,055	5
22,615	76,489,328	1,935,002	73,710,805	..	199,955,987	6
22,285	83,234,556	1,944,401	77,164,548	134,546,161	212,635,188	7
23,279	90,669,520	2,081,421	87,860,625	153,050,272	241,061,733	8
23,391	93,124,561	2,145,830	87,289,759	155,153,426	243,605,255	9
21,892	87,931,316	2,007,764	82,874,305	146,131,269	230,144,643	10
8,101	31,194,693	637,665	36,012,875	..	86,392,275	11
8,075	33,443,034	874,010	41,531,138	52,945,464	95,283,315	11
8,032	34,844,539	664,964	42,143,796	55,524,461	97,210,826	13
8,674	36,883,344	741,428	49,687,582	63,546,632	113,996,413	14
10,282	45,943,024	991,318	59,748,348	79,907,537	140,327,433	15
4,690	21,828,047	435,656	7,945,394	..	41,199,112	16
4,140	20,633,788	399,133	7,587,166	31,372,483	39,404,810	17
4,233	21,977,841	420,858	8,498,958	32,917,176	41,566,577	18
4,241	22,466,273	407,708	8,927,861	33,102,529	42,397,175	19
4,102	22,477,676	406,062	6,486,835	33,245,787	42,203,290	20
1,119	4,505,410	71,996	531,983	..	7,169,831	21
1,043	4,792,823	71,517	652,456	6,568,872	7,293,150	22
1,106	5,391,374	67,070	612,554	7,922,008	8,574,832	23
1,134	6,050,286	67,211	634,180	8,608,301	9,284,819	24
1,187	6,427,590	73,428	562,165	9,243,568	9,870,910	25
3,473	12,877,778	-	22,033,415	..	56,229,044	26
3,617	14,227,699	-	23,523,195	37,824,558	61,347,753	27
4,072	16,488,840	-	25,691,759	44,065,642	69,757,401	28
4,173	16,714,855	-	27,832,160	50,164,178	78,019,253	29
4,035	17,253,249	-	29,752,903	49,650,899	79,416,346	30
30,946	122,673,793	2,752,625	88,279,276	..	313,352,222	31
30,578	127,825,888	2,690,926	86,446,713	237,724,710	326,660,970	32
30,900	135,455,591	2,706,687	91,429,342	253,625,589	346,597,389	33
31,436	143,041,591	2,968,809	94,260,807	261,707,285	358,524,761	34
31,281	147,868,015	3,071,061	94,312,158	272,920,148	370,327,715	35

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry.
1957-61¹ - Continued

No.	S.I.C. Code	Industrial group and industry	Estab-lish-ments	Administrative and office employees			Production workers		
				Male	Female	Salaries	Male	Female	Wages
				number		\$	number		\$
		11. Printing, publishing and allied industries - Concluded:							
1		Totals, printing, publishing and allied industries. 1957	3,340	16,957	10,324	109,140,185	34,986	8,677	160,028,864
2		1958	3,258	16,141	10,539	114,929,895	34,433	8,625	169,227,893
3		1959	3,300	16,941	10,887	126,150,605	35,074	8,720	178,677,100
4		1960	3,410	17,876	11,034	134,500,345	35,268	8,871	185,780,567
5		1961	3,428	18,160	10,974	139,940,194	34,851	8,794	187,960,676
		12. Primary metal industries:							
6	291	Iron and steel mills 1957	42	4,259	1,132	30,879,701	30,422	191	141,112,938
7		1958	42	4,229	1,060	32,153,515	25,109	172	117,619,972
8		1959	40	4,530	1,161	35,313,054	29,422	207	149,960,781
9		1960	39	4,888	1,304	38,866,481	28,994	178	149,715,990
10		1961	42	4,814	1,213	40,169,947	28,344	175	152,941,951
11	292	Steel pipe and tube mills 1957	13	581	184	3,596,407	3,214	35	15,738,685
12		1958	14	586	183	4,039,686	2,880	55	13,294,657
13		1959	14	495	153	3,693,514	2,703	13	13,602,591
14		1960	15	546	123	3,745,018	2,448	12	12,447,459
15		1961	18	532	114	3,923,794	2,574	13	13,881,838
16	294	Iron foundries 1957	160	1,142	390	7,542,284	8,763	162	30,813,721
17		1958	147	1,082	360	7,032,103	7,774	134	28,318,663
18		1959	141	1,058	341	7,201,436	8,264	152	32,572,288
19		1960	140	1,022	303	7,163,433	7,258	121	28,869,715
20		1961	140	1,034	269	6,992,077	6,743	126	27,460,963
21	295	Smelting and refining ² 1957	22	4,807	701	29,933,532	24,527	53	107,124,871
22		1958	24	4,844	752	33,840,156	21,714	51	99,225,435
23		1959	23	4,739	653	32,569,476	22,728	52	106,750,147
24		1960	22	4,954	659	34,906,013	24,365	46	120,509,070
25		1961	24	5,135	647	37,416,242	23,463	45	118,532,093
26	296	Aluminium, rolling, casting and extruding 1957	39	1,590	671	11,149,331	3,185	115	11,776,396
27		1958	39	1,284	640	11,031,433	3,174	100	12,347,171
28		1959	41	1,295	689	11,096,046	3,344	97	13,755,315
29		1960	44	1,468	743	12,101,829	3,594	111	15,339,289
30		1961	43	1,463	652	12,211,755	3,636	142	16,324,311
31	297	Copper and alloy rolling, casting and extrud- 1957	74	444	140	3,169,354	2,539	40	10,286,593
32		ing. 1958	68	605	193	4,394,839	2,936	37	12,187,249
33		1959	67	568	176	4,030,443	2,853	22	12,814,064
34		1960	69	564	170	4,086,449	2,726	23	12,370,629
35		1961	69	584	147	3,980,952	2,695	15	12,492,764

See footnotes at end of table.

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry,
1937-61¹ - Continued

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	No.
number			dollars			
70,944	269,169,049	5,833,144	228,513,748	..	704,298,471	1
69,738	284,157,788	5,779,887	236,905,216	500,982,248	742,625,186	2
71,622	304,827,705	5,941,000	256,237,034	547,103,148	804,768,758	3
73,049	320,280,912	6,328,986	268,632,349	572,282,351	845,827,676	4
72,779	327,900,870	6,549,633	273,716,714	591,099,208	872,292,337	5
36,004	171,992,639	28,052,716	332,793,588	..	711,115,773	6
30,570	149,773,487	21,408,072	256,480,660	311,393,545	594,796,122	7
35,320	185,273,835	26,440,223	361,948,102	403,392,320	789,810,663	8
35,364	188,582,471	28,338,903	346,039,693	367,993,864	734,483,217	9
34,546	193,111,898	29,734,365	351,346,159	411,494,397	789,271,070	10
4,014	19,335,092	1,912,015	90,034,568	..	142,006,786	11
3,704	17,334,343	1,908,460	83,415,604	42,797,497	128,160,998	12
3,364	17,296,105	1,972,805	75,372,479	38,647,294	111,645,652	13
3,129	16,192,477	2,161,366	86,531,345	33,467,055	120,860,404	14
3,233	17,805,632	2,122,763	101,731,357	47,808,496	154,868,399	15
10,457	38,356,005	2,258,253	39,014,563	..	102,920,047	16
9,350	35,350,766	2,243,676	37,835,129	57,486,681	97,397,929	17
9,815	39,773,724	2,536,114	47,090,573	80,832,249	109,316,954	18
8,704	36,033,148	2,245,381	40,469,813	55,285,941	97,703,456	19
8,172	34,453,040	2,277,436	36,665,002	54,326,889	94,624,917	20
30,088	137,058,403	42,734,783	749,037,795	..	1,265,324,737	21
27,361	133,065,591	43,867,569	666,720,963	532,213,027	1,132,701,559	22
28,172	139,319,623	47,340,635	788,217,652	459,179,668	1,283,937,955	23
30,024	155,415,083	50,786,918	896,613,061	558,608,228	1,506,008,207	24
29,290	155,948,335	49,000,322	891,950,994	530,096,705	1,471,048,021	25
5,561	22,925,727	1,607,709	51,197,918	..	78,200,830	26
5,198	23,378,604	1,681,948	54,082,059	28,683,880	83,189,324	27
5,425	24,853,361	1,818,297	57,434,818	33,721,994	90,924,092	28
5,916	27,441,118	1,919,035	63,889,589	27,297,458	96,267,144	29
5,893	28,536,066	2,089,847	76,751,221	34,111,024	110,455,977	30
3,163	13,455,947	1,277,316	80,165,450	..	106,916,125	31
3,771	16,582,088	1,525,696	77,186,599	30,425,815	108,627,690	32
3,619	16,844,507	1,683,577	90,102,298	31,855,400	121,151,686	33
3,483	16,457,278	1,518,955	86,511,590	29,012,028	117,770,396	34
3,441	16,473,716	1,561,678	92,138,052	29,510,373	122,307,936	35

**TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry,
1957-61¹ - Continued**

No.	S.I.C. Code	Industrial group and industry	Estab- lish- ments	Administrative and office employees			Production workers		
				Male	Female	Salaries	Male	Female	Wages
				number		\$	number		\$
		12. Primary metal industries—Concluded:							
1	298	Metal rolling, casting and extruding, n.e.s. 1957	68	617	188	4,077,289	2,010	191	7,322,764
2		1958	69	572	172	3,953,989	1,617	153	6,338,561
3		1959	71	629	168	4,156,440	1,713	160	6,662,208
4		1960	75	643	167	4,301,737	1,618	212	6,633,410
5		1961	74	627	175	4,371,138	1,678	183	6,919,526
6		Totals, primary metal industries 1957	418	13,440	3,406	90,347,898	74,660	787	324,175,968
7		1958	403	13,202	3,360	96,445,721	65,204	702	289,331,708
8		1959	397	13,314	3,341	98,062,409	71,027	703	336,117,394
9		1960	404	14,083	3,469	105,170,960	71,001	703	345,885,762
10		1961	410	14,189	3,217	109,065,905	69,133	699	348,553,446
		13. Metal fabricating industries (except machinery and transportation equipment industries):							
11	301	Boiler and plate works 1957	78	1,068	344	6,808,293	3,794	21	14,468,286
12		1958	75	1,125	334	6,950,985	3,256	30	12,368,435
13		1959	72	1,144	335	7,303,307	3,404	24	13,278,938
14		1960	70	1,070	329	7,049,610	3,278	29	13,687,185
15		1961	68	1,078	300	7,222,830	3,105	28	12,839,021
16	302	Fabricated structural metal industry ² 1957	63	3,252	723	20,586,338	13,458	12	57,052,099
17		1958	68	3,218	727	21,737,838	11,651	18	49,787,645
18		1959	68	3,285	760	22,229,080	11,688	13	51,835,609
19		1960	73	3,234	769	22,787,093	11,161	31	50,245,098
20		1961	78	3,020	645	21,145,158	10,080	44	47,264,374
21	303	Ornamental and architectural metal industry 1957	376	1,596	485	9,358,983	5,788	255	20,324,511
22		1958	445	1,760	566	10,654,634	5,732	328	20,225,918
23		1959	442	2,020	581	11,835,185	6,430	328	23,600,524
24		1960	511	1,953	527	11,883,303	6,038	236	22,950,604
25		1961	549	2,116	576	13,269,089	6,563	250	25,576,844
26	304	Metal stamping, pressing and coating industry 1957	372	3,094	1,194	20,728,675	12,374	1,551	51,004,602
27		1958	392	2,961	1,216	21,178,452	11,924	1,512	51,974,545
28		1959	391	3,112	1,238	23,499,287	12,502	1,563	58,103,965
29		1960	414	3,396	1,311	26,080,948	12,815	1,600	60,510,994
30		1961	436	3,108	1,268	23,217,569	12,651	1,557	61,757,720
31	305	Wire and wire products manufacturers 1957	179	2,063	906	14,570,770	8,761	922	36,527,128
32		1958	188	1,999	899	14,802,811	8,187	779	34,494,701
33		1959	189	2,241	947	16,775,797	9,082	914	40,997,563
34		1960	198	2,200	887	16,912,954	8,389	852	39,355,189
35		1961	199	2,090	823	16,752,106	8,234	846	40,106,497

See footnotes at end of table.

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry,
1957-61' - Continued

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	No.
number			dollars			
3,006	11,400,053	1,091,674	45,372,397	..	65,764,057	1
2,514	10,292,550	1,030,736	36,319,711	16,627,395	54,444,036	2
2,670	10,818,648	1,122,376	37,228,240	20,634,684	58,305,846	3
2,638	10,935,147	1,125,151	35,460,121	19,197,665	55,681,073	4
2,663	11,290,664	1,111,591	41,105,256	22,630,320	63,907,467	5
92,293	414,523,866	78,934,466	1,387,616,279	..	2,472,248,355	6
82,468	385,777,429	73,666,157	1,212,040,725	1,019,627,840	2,199,317,658	7
88,385	434,179,803	82,914,027	1,457,394,162	1,048,263,609	2,565,092,848	8
89,258	451,056,722	88,093,709	1,555,515,212	1,090,862,239	2,728,773,897	9
87,238	457,619,351	87,898,002	1,591,688,041	1,129,978,204	2,806,483,787	10
5,227	21,276,579	909,473	35,860,900	..	66,136,551	11
4,745	19,319,420	812,353	29,992,041	30,031,443	61,440,812	12
4,907	20,582,245	841,556	36,025,129	31,874,399	66,915,979	13
4,706	20,736,795	772,053	33,116,617	33,209,628	67,973,535	14
4,511	20,061,851	801,075	36,078,235	31,350,617	69,011,468	15
17,445	77,638,437	2,212,888	133,886,724	..	267,795,254	16
15,614	71,525,483	2,015,821	112,546,731	119,842,283	234,226,832	17
15,746	74,064,689	2,157,286	113,414,930	112,887,192	229,802,403	18
15,195	73,032,191	2,191,050	110,143,733	106,248,590	218,683,965	19
13,789	66,409,532	2,016,648	112,014,777	96,029,106	210,061,203	20
8,124	29,683,494	1,256,779	43,410,285	..	97,342,407	21
8,388	30,880,552	1,232,800	44,605,778	56,759,529	101,332,612	22
9,359	35,435,709	1,421,856	52,407,497	61,859,830	113,992,553	23
8,754	34,833,907	1,350,305	52,933,122	59,920,646	114,615,642	24
9,505	38,845,933	1,481,299	61,140,812	70,083,618	132,229,591	25
18,213	71,733,277	3,325,758	155,293,560	..	286,423,754	26
17,613	73,152,997	3,362,351	161,596,070	141,787,112	307,972,702	27
18,415	81,603,252	3,531,651	179,539,823	154,369,234	333,054,463	28
19,122	86,591,942	3,698,375	168,580,770	165,313,068	337,473,276	29
18,584	84,975,289	3,861,516	203,300,028	188,578,452	374,352,563	30
12,652	51,097,898	2,875,299	108,022,120	..	197,937,577	31
11,844	49,297,512	2,690,317	105,145,137	79,052,036	188,760,214	32
13,184	57,773,360	3,122,602	123,838,999	92,348,569	215,343,966	33
12,328	56,268,143	2,891,653	119,043,644	88,913,641	210,229,077	34
11,995	56,858,603	3,058,946	125,325,503	91,685,773	220,701,880	35

**TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry,
1957-61¹ - Continued**

No.	S.I.C. Code	Industrial group and industry	Estab- lish- ments	Administrative and office employees			Production workers		
				Male	Female	Salaries	Male	Female	Wages
				number		\$	number		\$
		13. Metal fabricating industries (except machinery and transportation equipment industries) - Concluded:							
1	306	Hardware, tool and cutlery manufacturers 1957	284	1,338	657	9,802,848	6,022	926	23,735,890
2		1958	295	1,401	691	10,433,490	5,559	1,004	22,762,189
3		1959	296	1,405	693	10,956,326	5,884	1,091	25,134,342
4		1960	303	1,384	679	11,406,017	5,632	1,009	25,060,234
5		1961	308	1,199	616	10,157,201	5,644	1,092	26,112,257
6	307	Heating equipment manufacturers 1957	95	888	321	5,303,399	3,231	82	11,263,157
7		1958	106	972	352	6,087,128	3,351	101	12,451,684
8		1959	102	1,218	438	7,518,715	3,767	102	14,876,071
9		1960	113	1,118	396	7,541,751	3,368	80	13,111,074
10		1961	112	1,066	376	7,605,964	3,423	68	13,405,964
11	308	Machine shops 1957	695	1,482	285	7,122,204	5,687	79	18,913,980
12		1958	743	1,500	353	7,737,165	5,178	82	18,772,092
13		1959	737	1,559	364	8,389,297	5,313	78	20,215,627
14		1960	757	1,695	406	8,911,922	5,650	123	21,980,125
15		1961	778	1,666	415	9,427,932	5,944	119	23,487,435
16	309	Miscellaneous metal fabricating industries 1957	263	3,183	1,156	19,188,431	12,621	1,394	48,487,000
17		1958	279	2,803	1,035	18,076,598	10,339	1,338	41,934,025
18		1959	279	2,954	999	19,567,849	10,312	1,263	44,002,848
19		1960	317	2,949	1,025	20,306,513	10,102	1,154	44,037,335
20		1961	331	2,622	952	18,574,590	9,935	1,090	43,993,393
21		Totals, metal fabricating industries 1957	2,425	17,964	6,071	113,469,939	71,736	5,242	281,776,653
22		1958	2,591	17,739	6,173	117,659,121	65,157	5,192	264,771,214
23		1959	2,576	18,936	6,355	126,074,843	68,382	5,376	291,845,487
24		1960	2,756	18,999	6,331	132,880,111	66,433	5,114	290,937,838
25		1961	2,859	17,965	5,971	127,372,439	65,579	5,096	294,543,505
		14. Machinery industries (except electrical machin- ery):							
26	311	Agricultural implement industry 1957	63	1,912	495	10,743,377	7,217	101	26,829,575
27		1958	62	2,005	532	12,681,066	7,911	78	33,074,068
28		1959	63	2,313	574	15,757,286	10,084	85	44,241,954
29		1960	86	2,457	588	17,529,275	7,816	63	35,171,512
30		1961	67	2,812	671	18,543,276	6,950	54	30,995,332
31	315	Miscellaneous machinery and equipment man- 1957	371	7,220	2,562	43,223,113	20,328	731	79,758,901
32		1958	397	6,892	2,309	43,120,172	16,245	602	64,430,912
33		1959	393	6,989	2,375	45,818,906	17,199	767	72,865,951
34		1960	396	7,088	2,380	49,023,712	17,395	693	74,470,346
35		1961	420	6,755	2,256	48,189,513	16,881	718	74,556,696

See footnote at end of table.

**TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry,
1957-61¹ - Continued**

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	No.
number			dollars			
8,943	33,538,736	1,453,011	29,803,532	..	95,867,748	1
8,655	33,195,679	1,380,211	29,728,659	65,377,513	96,089,361	2
9,073	36,090,668	1,442,833	33,917,345	70,796,281	104,848,707	3
8,704	36,466,251	1,468,945	34,145,494	70,762,448	106,495,755	4
8,551	36,269,458	1,506,352	36,802,171	74,368,059	111,427,554	5
4,522	16,566,556	677,161	28,981,700	..	60,026,223	6
4,776	18,538,792	737,441	31,689,501	37,988,478	69,556,816	7
5,523	22,194,786	834,608	37,187,969	45,871,682	83,385,442	8
4,964	20,652,825	820,222	34,788,881	39,219,291	75,793,893	9
4,933	21,011,928	809,564	35,274,534	42,259,119	78,467,572	10
7,533	26,036,184	1,144,690	18,477,348	..	56,974,709	11
7,113	26,509,277	1,115,358	19,019,685	37,047,578	57,376,905	12
7,314	28,604,924	1,273,348	21,039,567	43,900,903	64,673,222	13
7,874	30,892,047	1,347,096	22,946,019	48,088,146	71,844,422	14
8,144	32,915,367	1,417,974	29,177,808	47,155,739	77,441,566	15
18,354	67,675,431	4,551,198	86,354,192	..	201,529,393	16
15,515	60,010,623	4,098,653	80,245,246	99,724,015	186,030,958	17
15,528	63,570,697	4,101,450	86,140,740	119,281,432	208,298,518	18
15,230	64,343,848	4,137,128	90,532,723	115,479,269	209,375,208	19
14,599	62,567,983	4,006,296	95,286,258	117,508,347	218,977,448	20
101,013	395,246,592	18,406,257	640,090,361	..	1,330,033,616	21
94,261	382,430,335	17,445,305	614,568,848	667,409,987	1,302,787,212	22
99,049	419,920,330	18,727,192	683,511,999	732,989,522	1,420,315,253	23
96,877	423,817,949	18,674,827	666,231,003	727,154,727	1,412,484,773	24
94,611	421,915,944	18,959,670	734,400,126	739,018,830	1,492,690,845	25
9,725	37,572,952	1,715,775	58,348,750	..	118,044,407	26
10,526	45,755,134	1,854,679	75,755,360	58,240,169	129,175,877	27
13,056	59,999,240	2,388,522	99,207,703	75,900,835	166,191,558	28
10,924	52,700,787	1,972,740	78,430,986	61,658,837	152,123,416	29
10,487	49,538,608	1,865,408	73,947,376	60,092,972	136,044,910	30
30,841	122,982,014	3,909,037	171,593,707	..	398,212,421	31
26,048	107,551,084	3,889,270	152,722,754	178,039,957	343,268,931	32
27,330	118,684,859	4,220,743	164,837,810	209,389,617	371,265,688	33
27,556	123,494,058	4,323,599	172,825,978	215,300,030	389,380,944	34
26,610	122,746,209	4,431,621	178,603,989	208,462,946	390,689,239	35

**TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry,
1957-61¹ - Continued**

No.	S.I.C. Code	Industrial group and industry	Estab- lish- ments	Administrative and office employees			Production workers		
				Male	Female	Salaries	Male	Female	Wages
				number		\$	number		\$
		14. Machinery industries (except electrical machinery) — Concluded:							
1	316	Commercial refrigeration and air conditioning equipment manufacturers. 1957	29	302	113	1,878,987	1,018	5	3,495,946
2		1958	29	302	112	1,984,503	964	12	3,636,021
3		1959	30	299	101	2,061,881	1,056	9	4,117,819
4		1960	33	332	111	2,346,808	1,140	18	4,399,487
5		1961	34	321	101	2,235,914	1,117	15	4,493,921
6	318	Office and store machinery manufacturers 1957	20	551	303	3,760,476	2,413	605	10,555,864
7		1958	23	437	290	3,956,035	2,003	437	9,608,550
8		1959	22	528	288	4,310,410	1,944	412	10,701,997
9		1960	22	612	342	5,311,713	1,917	417	10,248,702
10		1961	25	707	380	5,640,001	1,925	420	10,951,792
11		Totals, machinery industries 1957	483	9,985	3,473	59,605,953	30,976	1,442	120,640,286
12		1958	511	9,636	3,243	61,743,776	27,123	1,129	110,749,551
13		1959	508	10,129	3,338	67,948,485	30,283	1,273	131,927,721
14		1960	519	10,489	3,421	74,211,508	28,268	1,191	124,290,047
15		1961	546	10,595	3,408	74,608,704	26,873	1,207	120,997,741
		15. Transportation equipment industries:							
16	321	Aircraft and parts manufacturers ² 1957	68	11,676	3,425	74,718,440	26,315	721	106,786,401
17		1958	74	11,872	3,314	79,413,482	24,774	582	105,092,975
18		1959	77	8,099	2,362	60,778,540	18,154	477	84,082,139
19		1960	82	7,375	2,121	53,769,868	17,170	417	77,604,643
20		1961	80	7,001	2,132	54,104,920	18,858	395	87,825,202
21	323	Motor vehicle manufacturers..... 1957	15	6,381	1,659	42,732,799	24,118	389	98,460,012
22		1958	14	5,714	1,393	41,733,029	18,277	327	85,344,953
23		1959	15	5,645	1,386	44,396,704	20,481	340	99,932,640
24		1960	17	5,864	1,382	46,080,318	19,499	336	103,376,562
25		1961	17	4,353	1,190	36,257,404	15,799	331	84,681,109
26	324	Truck body and trailer manufacturers 1957	93	609	208	3,823,377	2,753	5	9,407,942
27		1958	91	654	212	4,197,872	2,659	13	9,777,176
28		1959	101	688	219	4,485,308	2,908	21	10,463,790
29		1960	114	700	208	4,605,770	2,676	22	9,764,375
30		1961	112	613	188	3,990,477	2,549	19	9,301,370
31	325	Motor vehicle parts and accessories manufacturers. 1957	115	2,790	948	19,460,793	11,634	2,279	53,185,514
32		1958	116	2,595	863	19,227,435	9,983	2,005	47,897,173
33		1959	110	2,588	835	19,669,571	10,215	2,116	53,446,293
34		1960	114	2,669	906	20,932,728	9,998	1,958	53,294,549
35		1961	126	3,923	999	30,617,884	13,800	2,098	72,383,983

See footnotes at end of table.

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry.
1957-61¹ - Continued

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	No.
number			dollars			
1,438	5,374,933	197,866	7,558,541	..	17,628,399	1
1,390	5,620,524	228,101	7,711,025	9,466,624	17,813,868	2
1,465	6,179,700	246,485	9,159,787	11,937,370	20,828,544	3
1,601	6,746,295	302,680	9,723,870	13,059,361	22,633,244	4
1,554	6,729,835	279,671	10,138,479	12,707,870	23,181,886	5
3,872	14,316,340	235,157	27,868,680	..	62,668,367	6
3,167	13,566,585	241,760	21,711,214	31,095,424	54,489,162	7
3,172	15,012,407	260,120	26,944,302	30,446,731	55,749,422	8
3,288	15,560,415	247,345	36,557,312	36,969,165	73,536,244	9
3,432	16,591,793	283,560	41,254,099	48,499,795	87,823,391	10
45,876	180,246,239	6,057,835	265,369,678	..	596,553,594	11
41,131	172,493,327	8,213,810	257,900,353	276,842,174	544,747,638	12
45,023	199,876,206	7,095,870	300,149,602	327,674,553	614,035,212	13
43,369	198,501,555	6,846,364	297,538,146	326,987,393	637,673,848	14
42,083	195,606,445	6,860,260	303,943,943	329,763,583	639,739,426	15
42,137	181,504,841	4,896,601	156,693,068	..	417,262,016	16
40,542	184,506,457	4,734,977	191,077,771	263,201,142	460,472,810	17
29,092	144,860,679	3,775,241	137,733,895	187,696,405	329,749,112	18
27,083	131,574,511	3,303,890	117,881,497	181,139,288	303,618,741	19
28,386	141,930,122	3,016,295	157,845,455	192,084,988	348,245,173	20
32,547	141,192,811	5,786,073	654,159,332	..	941,232,634	21
25,711	127,077,962	5,195,945	563,471,038	250,327,266	836,422,484	22
27,852	144,329,344	5,641,020	585,020,647	342,446,919	909,749,885	23
27,081	149,456,680	6,028,237	618,556,572	337,118,562	969,758,917	24
21,673	120,938,513	5,084,684	603,349,583	277,150,529	870,942,359	25
3,575	13,231,319	446,367	27,016,266	..	53,013,051	26
3,538	13,975,048	452,231	29,536,883	23,173,658	52,292,511	27
3,838	14,949,098	515,044	31,286,994	26,570,344	57,353,199	28
3,606	14,370,145	551,679	26,737,608	22,861,104	51,452,863	29
3,369	13,291,847	518,815	25,839,904	21,835,815	48,090,709	30
17,651	72,646,307	4,316,696	145,562,427	..	279,434,220	31
15,446	67,124,808	4,042,817	133,968,594	119,200,857	259,558,809	32
15,754	73,115,864	4,069,905	147,111,881	131,943,367	276,454,892	33
15,531	74,227,277	4,279,357	146,711,886	132,594,480	288,080,326	34
20,820	103,001,867	5,385,949	183,994,868	160,762,326	352,778,908	35

**TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry,
1957-61¹ - Continued**

No.	S.I.C. Code	Industrial group and industry	Estab- lish- ments	Administrative and office employees			Production workers			
				Male	Female	Salaries	Male	Female	Wages	
				number		\$	number		\$	
		15. Transportation equipment industries — Concluded:								
1	326	Railroad rolling stock industry ²	1957	31	2,623	349	14,937,843	25,107	34	89,967,297
2			1958	29	2,507	299	15,088,608	19,685	34	73,401,615
3			1959	30	2,433	260	15,534,157	17,716	37	69,085,099
4			1960	30	2,380	266	16,037,323	15,788	33	62,017,181
5			1961	29	2,052	228	13,961,227	14,221	28	58,744,702
6	327	Shipbuilding and repair ²	1957	70	2,305	603	12,474,936	15,621	48	59,370,115
7			1958	69	1,931	530	11,479,292	13,794	43	55,216,157
8			1959	67	1,853	503	11,678,603	12,037	35	51,130,848
9			1960	66	2,136	510	13,443,435	12,433	34	51,296,176
10			1961	63	2,248	499	13,532,522	12,073	28	50,245,202
11	328	Boatbuilding and repair	1957	201	310	58	1,156,799	1,275	12	3,859,455
12			1958	206	300	65	1,131,038	1,235	12	3,722,585
13			1959	219	359	62	1,359,256	1,275	11	4,037,807
14			1960	240	403	58	1,445,011	1,199	14	3,779,071
15			1961	232	385	63	1,382,741	1,025	10	3,254,135
16	329	Miscellaneous vehicle manufacturers	1957	17	81	28	575,811	318	142	1,335,729
17			1958	12	67	30	538,721	341	99	1,302,858
18			1959	11	71	66	784,374	369	85	1,400,830
19			1960	14	102	34	663,638	394	75	1,421,773
20			1961	12	70	33	629,109	420	78	1,558,360
21		Totals, transportation equipment industries.	1957	610	26,775	7,278	169,880,798	107,141	3,630	422,372,465
22			1958	611	25,640	6,706	172,809,477	90,748	3,115	381,755,492
23			1959	630	21,736	5,693	158,686,513	83,155	3,122	373,579,446
24			1960	677	21,629	5,485	156,978,091	79,157	2,889	362,754,330
25			1962	671	20,645	5,332	154,476,264	78,745	2,987	367,994,063
		16. Electrical products industries:								
26	331	Manufacturers of small electrical appli- ances.	1957	65	573	378	4,488,439	1,878	1,086	9,348,434
27			1958	57	561	357	4,607,639	1,784	1,141	9,734,468
28			1959	65	673	406	5,247,779	2,185	1,216	11,579,934
29			1960	64	585	359	4,931,377	1,784	1,038	10,025,810
30			1961	58	595	383	5,120,616	1,678	1,071	9,776,819
31	332	Manufacturers of major appliances (elec- tric and non-electric).	1957	39	2,590	990	15,435,181	9,086	636	34,446,853
32			1958	41	2,423	914	15,193,513	8,372	543	31,874,437
33			1959	40	2,401	845	15,596,769	8,402	612	34,358,149
34			1960	42	2,363	817	16,239,372	7,459	475	31,363,381
35			1961	43	2,274	773	15,279,076	7,580	457	31,582,799

See footnotes at end of table.

**TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry,
1957-61¹ - Continued**

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	No.
number			dollars			
28,113	104,905,140	4,710,505	243,318,852	..	391,504,487	1
22,525	88,490,223	4,291,884	189,673,980	106,482,991	300,261,517	2
20,446	84,619,256	3,889,810	165,142,646	101,879,027	271,201,068	3
18,467	78,054,504	4,266,886	126,031,031	84,380,453	216,421,674	4
16,529	72,705,929	4,058,970	99,149,009	78,737,715	182,569,012	5
16,577	71,845,051	2,143,830	64,415,271	..	168,041,496	6
16,298	66,695,449	2,079,255	51,142,548	96,227,209	149,456,129	7
14,428	62,809,451	2,063,070	50,865,994	91,163,280	144,050,988	8
15,113	64,739,611	2,048,368	49,948,260	96,336,730	148,274,264	9
14,848	63,777,724	1,793,768	48,136,186	86,668,409	136,629,459	10
1,655	5,016,254	184,273	5,284,738	..	11,845,384	11
1,612	4,853,623	189,797	4,891,066	6,374,421	11,305,104	12
1,707	5,397,063	229,883	5,801,785	8,158,722	14,077,246	13
1,674	5,224,082	217,165	6,245,277	6,975,192	13,233,115	14
1,483	4,636,876	186,765	5,643,727	6,569,834	12,626,110	15
569	1,911,540	75,696	2,778,971	..	6,743,027	16
537	1,841,579	73,338	3,362,822	3,394,060	6,660,530	17
591	2,185,204	74,183	4,215,569	4,631,787	8,796,725	18
605	2,085,411	72,864	3,945,923	4,949,370	8,718,133	19
601	2,187,469	78,429	4,221,428	4,860,083	8,895,424	20
144,824	592,253,263	22,560,041	1,299,228,925	..	2,269,076,315	21
128,209	554,564,969	21,060,244	1,167,124,682	868,381,604	2,676,429,894	22
113,706	532,265,959	20,458,156	1,127,179,611	894,489,851	2,011,433,113	23
109,160	519,732,421	20,768,446	1,098,058,054	866,355,179	1,999,758,033	24
107,709	522,470,347	20,123,675	1,130,170,158	828,669,699	1,960,777,154	25
3,915	13,836,873	464,904	29,185,618	..	58,507,847	26
3,843	14,342,305	493,458	27,942,195	32,108,824	60,675,816	27
4,480	16,827,713	588,659	34,837,382	34,047,109	68,555,760	28
3,766	14,957,187	547,936	28,984,675	31,103,414	61,825,857	29
3,727	14,897,435	543,435	31,201,286	33,275,218	64,864,043	30
13,302	49,882,034	2,750,374	101,622,157	..	189,434,925	31
12,252	47,067,950	2,746,606	106,226,551	84,200,990	195,656,007	32
12,260	49,954,918	2,694,190	115,878,611	95,735,656	209,646,288	33
11,114	47,602,753	2,986,711	107,894,807	87,113,915	201,107,681	34
11,084	46,861,875	2,689,795	109,910,325	92,496,459	206,212,477	35

**TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry,
1957-61¹ - Continued**

No.	S.I.C. Code	Industrial group and industry	Estab- lish- ments	Administrative and office employees			Production workers		
				Male	Female	Salaries	Male	Female	Wages
				number		\$	number		\$
		16. Electrical products industries - Concluded:							
1	334	Manufacturers of household radio and televi- 1957	24	1,959	697	12,659,947	2,412	1,767	12,211,708
2		sion receivers, 1958	22	1,941	717	13,125,754	2,296	1,687	12,400,912
3		1959	20	1,987	740	14,103,618	2,284	1,687	12,711,838
4		1960	23	2,054	716	14,323,336	2,151	1,337	11,622,533
5		1961	23	2,031	645	14,827,253	2,154	1,434	12,321,007
6	335	Communications equipment manufacturers 1957	128	5,956	2,089	38,766,246	8,239	6,438	49,115,206
7		1958	123	6,039	1,971	41,155,375	7,321	6,350	47,969,050
8		1959	126	5,909	1,937	42,809,433	7,605	6,818	52,916,440
9		1960	129	6,133	2,022	45,694,024	8,064	6,745	56,515,078
10		1961	125	7,060	2,020	52,138,254	8,175	7,312	57,520,298
11	336	Manufacturers of electrical industrial equip- 1957	77	6,804	2,336	44,002,510	13,106	2,368	61,088,563
12		ment, 1958	84	6,632	2,013	47,822,447	10,201	1,690	52,080,792
13		1959	88	5,403	1,560	38,775,969	9,186	1,669	44,833,953
14		1960	100	5,310	1,582	40,032,102	8,659	1,528	44,116,129
15		1961	97	4,982	1,481	37,159,889	8,324	1,617	43,785,549
16	337	Battery manufacturers 1957	31	434	224	3,240,804	1,189	350	5,332,899
17		1958	28	492	201	3,206,889	1,063	343	4,924,701
18		1959	26	463	202	3,328,947	1,096	375	5,398,094
19		1960	25	481	183	3,462,784	1,004	367	5,202,562
20		1961	27	476	166	3,661,971	989	388	5,389,865
21	338	Manufacturers of electric wire and cable 1957	24	1,817	539	11,158,807	4,771	349	20,268,496
22		1958	28	1,690	480	11,209,626	4,366	286	19,025,417
23		1959	28	1,700	488	11,894,549	4,540	298	20,835,737
24		1960	28	1,706	480	12,235,638	4,283	246	19,636,074
25		1961	25	1,542	403	10,578,548	4,190	213	19,888,437
26	339	Manufacturers of miscellaneous electrical 1957	115	1,420	678	9,896,269	3,826	2,975	20,068,128
27		products, 1958	118	1,343	670	9,704,400	3,643	2,760	19,185,305
28		1959	117	1,516	688	11,197,425	3,795	3,043	21,650,752
29		1960	125	1,484	657	11,595,165	3,839	2,916	22,176,561
30		1961	133	1,537	653	11,801,158	3,893	3,035	22,736,540
31		Totals, electrical products industries 1957	503	21,553	7,933	139,648,203	44,507	15,969	211,880,287
32		1958	501	21,121	7,323	146,026,043	39,046	14,800	197,195,080
33		1959	510	20,052	6,866	142,954,489	39,093	15,718	204,284,897
34		1960	536	20,116	6,816	148,513,798	37,243	14,652	200,658,128
35		1961	531	20,497	6,524	150,566,765	36,983	15,527	203,001,314

See footnote at end of table.

**TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry,
1957-61¹ - Continued**

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	No.
number	dollars					
6,835	24,871,655	453,322	70,540,926	..	122,694,010	1
6,641	25,526,666	414,136	78,223,732	47,040,691	118,969,056	2
6,698	26,815,456	477,483	76,110,547	48,508,925	123,964,706	3
6,258	25,945,869	445,427	72,573,972	41,079,350	113,923,719	4
6,264	27,148,260	483,851	71,894,285	44,322,797	118,553,445	5
22,722	87,881,452	1,258,452	67,924,757	..	194,677,470	6
21,681	89,124,425	1,200,790	66,620,841	128,572,691	200,843,295	7
22,269	95,725,873	1,328,251	69,867,555	141,673,667	208,354,947	8
22,964	102,209,102	1,504,899	81,275,410	154,833,995	232,932,104	9
24,567	109,658,552	1,491,951	93,749,901	163,288,472	251,084,190	10
24,616	105,091,073	2,624,122	115,008,061	..	307,679,272	11
20,536	99,903,239	2,217,657	99,113,765	130,370,261	233,889,790	12
17,818	83,609,922	2,681,524	93,045,580	139,394,625	227,153,250	13
17,079	84,148,231	2,601,859	84,892,375	140,131,164	230,187,764	14
16,404	80,945,438	2,365,089	86,811,512	129,314,600	218,881,168	15
2,197	8,573,703	563,113	22,889,149	..	38,374,854	16
2,099	8,131,590	509,416	20,638,789	14,293,718	36,596,518	17
2,136	8,727,041	554,869	21,883,648	18,104,245	39,491,336	18
2,035	8,665,346	492,577	19,989,230	16,681,478	36,963,243	19
2,019	9,051,636	499,380	20,385,132	19,147,198	40,048,638	20
7,476	31,427,303	1,527,828	94,600,159	..	156,203,292	21
6,822	30,235,243	1,483,398	85,762,870	49,964,173	137,573,861	22
7,026	32,730,286	1,744,376	99,310,359	60,745,700	157,224,930	23
6,715	31,671,712	1,699,638	95,020,954	58,378,965	156,773,027	24
6,348	30,466,985	1,833,532	103,353,297	62,185,216	162,601,505	25
8,899	29,964,397	1,381,962	54,076,984	..	113,282,569	26
8,416	28,889,705	1,428,091	50,749,256	57,805,888	110,686,412	27
9,042	32,848,177	1,455,797	58,017,369	70,668,196	127,285,850	28
8,896	33,771,726	1,416,205	61,470,764	70,283,374	132,223,143	29
9,118	34,537,698	1,429,356	68,045,816	73,504,081	143,288,855	30
89,962	351,528,490	11,022,077	555,847,811	..	1,180,854,239	31
82,290	343,221,123	10,493,552	535,277,999	544,357,234	1,094,890,755	32
81,729	347,239,386	11,525,151	568,951,051	808,878,123	1,161,677,067	33
78,827	349,171,926	11,695,252	552,102,187	599,605,655	1,165,738,538	34
79,531	353,568,079	11,336,389	585,351,554	617,534,041	1,205,534,321	35

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry,
1957-61¹ - Continued

No.	S.I.C. Code	Industrial group and industry	Estab- lish- ments	Administrative and office employees			Production workers			
				Male	Female	Salaries	Male	Female	Wages	
				number		\$	number		\$	
		17. Non-metallic mineral products industries:								
1	341	Cement manufacturers	1957	17	382	80	2,626,765	3,049	5	13,042,470
2			1958	19	463	101	3,340,160	2,917	4	13,019,600
3			1959	19	533	97	3,860,087	2,883	3	13,314,169
4			1960	20	544	97	4,007,838	2,754	3	13,114,904
5			1961	20	473	83	3,774,587	2,555	2	12,922,598
6	343	Lime manufacturers	1957	22	109	13	454,719	838	1	2,779,489
7			1958	22	102	18	478,071	836	1	2,997,392
8			1959	23	106	17	509,766	892	1	3,291,520
9			1960	23	101	15	519,824	758	1	3,080,476
10			1961	21	89	16	504,256	720	—	3,065,293
11	345	Gypsum products manufacturers.....	1957	12	338	120	2,053,221	1,143	1	4,211,353
12			1958	13	351	122	2,278,411	1,224	1	4,925,426
13			1959	13	359	111	2,364,375	1,249	—	5,245,859
14			1960	14	369	105	2,360,123	1,127	—	4,533,179
15			1961	14	346	95	2,284,666	1,157	2	4,901,422
16	347	Concrete products manufacturers	1957	547	1,365	208	6,548,988	5,064	32	15,569,042
17			1958	581	1,573	304	8,389,227	6,146	67	20,428,212
18			1959	576	1,582	305	8,759,844	6,575	47	23,138,820
19			1960	634	1,780	340	9,435,680	6,499	46	22,585,061
20			1961	616	1,624	313	8,894,480	6,368	34	22,565,474
21	348	Ready-mix concrete manufacturers	1957	96	537	130	2,949,547	3,163	5	12,490,297
22			1958	98	574	126	3,172,668	3,135	16	13,335,601
23			1959	100	595	142	3,818,963	3,426	9	14,874,644
24			1960	135	739	163	4,479,996	3,263	21	14,274,006
25			1961	157	702	181	4,855,172	3,177	11	14,679,147
		Clay products manufacturers:								
26	3511	Clay products manufacturers (from domestic	1957	107	461	103	2,536,960	3,562	62	12,015,150
27		clays).	1958	109	457	103	2,714,542	3,590	60	12,866,157
28			1959	111	523	114	3,210,420	3,673	68	13,552,982
29			1960	111	535	104	3,213,106	3,266	74	11,958,899
30			1961	98	336	70	2,125,118	3,059	82	11,412,846
31	3512	Clay products manufacturers (from imported	1957	24	249	86	1,608,996	1,187	424	5,465,592
32		clays).	1958	25	248	88	1,743,465	1,189	442	5,753,218
33			1959	25	221	83	1,650,076	1,046	347	5,088,454
34			1960	26	223	83	1,650,018	938	335	4,648,314
35			1961	28	233	87	1,710,675	985	323	5,067,385

See footnotes at end of table.

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry,
1957-61¹ - Continued

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	No.
number			dollars			
3,516	15,669,235	19,692,658	16,193,942	..	95,495,962	1
3,485	16,359,760	19,009,008	14,758,308	66,413,934	98,278,487	2
3,516	17,174,256	17,309,329	13,269,944	66,066,366	97,231,802	3
3,398	17,122,742	15,965,171	11,294,254	68,250,906	95,316,193	4
3,113	16,697,185	16,262,241	14,358,880	76,422,886	107,246,066	5
961	3,234,208	2,383,094	936,269	..	11,088,941	6
957	3,475,463	2,789,727	1,027,687	8,289,445	13,070,148	7
1,016	3,801,286	2,763,691	1,149,217	9,393,359	13,280,561	8
875	3,600,300	2,308,640	882,397	8,277,412	11,453,640	9
825	3,569,549	2,238,931	1,784,960	8,954,631	12,989,077	10
1,602	6,264,574	1,556,534	11,624,221	..	29,684,810	11
1,698	7,203,837	1,776,987	15,063,288	19,294,748	35,910,976	12
1,719	7,610,234	1,595,694	15,321,383	18,963,422	35,615,198	13
1,601	6,893,302	1,546,019	13,293,067	15,808,974	30,475,981	14
1,600	7,186,286	1,589,161	14,318,154	18,712,604	34,343,004	15
6,669	22,118,030	2,855,097	30,277,409	..	76,504,964	16
8,090	28,617,439	3,573,754	45,222,850	48,589,399	95,784,149	17
8,509	31,898,664	3,643,747	43,341,368	65,101,448	109,274,269	18
8,645	32,020,741	3,859,489	42,330,607	59,200,529	105,339,479	19
8,339	31,459,954	3,814,159	44,445,312	65,266,932	111,871,135	20
3,835	15,439,844	2,554,190	48,894,071	..	86,059,740	21
3,851	16,508,269	2,595,731	51,882,657	41,297,413	89,616,415	22
4,172	18,693,607	3,390,421	56,177,185	37,909,828	97,451,778	23
4,226	18,754,002	3,148,560	58,290,846	39,556,925	101,096,179	24
4,071	19,334,319	3,436,765	66,200,775	35,779,286	105,340,562	25
4,188	14,552,110	5,979,030	955,098	..	35,068,712	26
4,210	15,580,699	6,419,616	1,062,174	33,783,540	40,784,403	27
4,378	16,763,402	6,337,149	1,364,885	34,141,616	41,095,048	28
3,979	15,172,005	5,652,962	1,284,136	31,076,802	37,146,963	29
3,547	13,537,964	5,610,938	4,733,718	24,162,091	35,169,009	30
1,948	7,074,588	875,047	5,637,760	..	17,923,798	31
1,967	7,496,683	802,667	5,845,925	12,703,405	19,008,363	32
1,697	6,718,530	810,166	4,501,930	12,551,443	18,009,579	33
1,579	6,298,332	759,307	5,417,735	11,805,833	17,595,042	34
1,628	6,778,260	831,343	5,662,132	12,925,011	19,362,713	35

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, 1957-61¹ - Continued

No.	S.I.C. Code	Industrial group and industry	Estab- lish- ments	Administrative and office employees			Production workers			
				Male	Female	Salaries	Male	Female	Wages	
				number		\$	number		\$	
		17. Non-metallic mineral products industries — Continued:								
1	352	Refractories manufacturers	1957	14	78	12	446,614	424	—	1,538,800
2			1958	14	80	14	506,142	364	—	1,300,764
3			1959	16	124	26	746,999	467	—	1,777,143
4			1960	16	120	25	768,752	488	—	1,947,274
5			1961	16	163	35	1,047,506	472	—	1,961,035
6	353	Stone products manufacturers	1957	140	247	46	1,138,087	888	12	2,681,986
7			1958	124	243	45	1,155,064	823	19	2,829,075
8			1959	125	250	41	1,218,176	864	10	2,821,744
9			1960	141	254	45	1,310,548	932	16	3,037,464
10			1961	134	273	47	1,403,706	762	13	2,525,390
11	354	Mineral wool manufacturers	1957	11	206	75	1,486,495	690	1	2,750,323
12			1958	11	235	76	1,556,764	687	—	2,732,738
13			1959	10	271	76	1,756,476	725	—	3,069,426
14			1960	11	286	85	1,822,831	657	1	2,855,718
15			1961	9	260	82	1,995,123	629	—	2,881,935
16	355	Asbestos products manufacturers	1957	11	423	155	2,440,764	1,533	180	6,261,661
17			1958	10	361	124	2,375,332	1,386	154	5,806,352
18			1959	10	320	121	2,295,263	1,547	150	7,180,806
19			1960	11	370	139	2,670,890	1,541	131	7,094,593
20			1961	15	326	151	2,758,310	1,518	106	7,377,465
		Glass and glass products manufacturers:								
21	3561	Glass manufacturers	1957	9	551	294	3,333,680	3,792	786	15,695,793
22			1958	10	599	271	3,705,554	3,842	772	17,301,546
23			1959	10	701	294	4,384,107	4,347	997	20,444,078
24			1960	12	767	306	4,952,217	4,521	977	21,606,338
25			1961	12	769	285	5,289,809	4,505	1,155	22,925,924
26	3562	Glass products manufacturers	1957	98	330	212	2,474,507	1,648	263	6,594,730
27			1958	86	355	185	2,620,237	1,522	263	6,510,930
28			1959	84	343	196	2,711,950	1,605	305	7,307,430
29			1960	89	393	215	3,131,781	1,500	274	6,852,126
30			1961	97	450	230	3,647,653	1,663	317	7,677,577
31	357	Abrasives manufacturers	1957	18	467	185	3,741,090	2,115	90	8,949,727
32			1958	20	446	146	3,603,369	1,641	88	7,135,174
33			1959	20	461	189	3,498,506	1,789	94	8,401,123
34			1960	20	412	167	3,510,003	1,838	102	9,003,596
35			1961	20	432	147	3,480,645	1,643	93	8,318,672

See footnote at end of table.

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry,
1957-61¹ - Continued

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	No.
number			dollars			
514	1,985,414	611,648	6,751,748	..	14,477,144	1
458	1,806,906	514,880	5,565,040	6,399,026	12,364,371	2
617	2,524,142	586,683	7,705,443	9,013,908	17,132,925	3
633	2,716,026	559,218	8,569,617	9,393,193	18,555,636	4
670	3,008,541	612,077	8,752,337	8,785,440	17,884,741	5
1,193	3,820,073	259,893	4,202,764	..	10,182,031	6
1,130	3,984,139	292,718	4,210,320	6,405,644	10,945,005	7
1,165	4,039,920	277,024	4,077,739	6,543,973	10,797,454	8
1,247	4,348,012	304,750	4,674,665	7,016,471	11,928,328	9
1,095	3,929,096	300,587	4,404,317	6,924,410	11,557,346	10
972	4,236,818	733,320	6,029,403	..	16,382,918	11
996	4,289,522	1,099,417	6,323,439	10,467,877	17,720,213	12
1,072	4,825,902	1,001,208	6,963,676	11,220,669	19,318,521	13
1,009	4,678,549	1,144,694	5,528,151	9,207,888	15,385,454	14
971	4,877,058	888,452	5,782,258	9,459,267	16,117,789	15
2,291	8,702,425	784,773	13,414,183	..	29,947,926	16
2,025	8,181,684	835,595	12,440,470	15,530,437	28,385,961	17
2,138	9,476,069	863,488	14,052,844	17,821,055	31,869,524	18
2,181	9,765,483	856,500	13,984,083	18,447,848	33,136,686	19
2,101	10,135,775	920,775	13,850,375	20,853,977	35,735,016	20
5,423	19,029,473	4,333,029	17,544,375	..	53,328,698	21
5,484	21,007,100	3,989,507	18,021,639	34,054,975	56,049,756	22
6,339	24,828,185	4,256,588	20,962,410	38,408,304	61,999,557	23
6,571	26,558,555	4,149,961	21,687,153	37,731,382	62,553,640	24
6,714	26,215,533	4,131,273	21,098,981	44,338,779	68,110,652	25
2,453	9,069,237	622,351	17,087,427	..	36,901,363	26
2,325	9,131,167	629,312	17,842,305	18,928,942	37,336,549	27
2,449	10,019,380	677,279	21,908,938	23,058,315	45,442,498	28
2,382	9,983,907	700,994	18,318,987	22,750,387	41,478,909	29
2,680	11,325,230	809,505	22,401,885	22,082,121	45,043,541	30
2,857	12,690,817	5,422,369	20,413,646	..	51,171,441	31
2,323	10,738,543	4,356,069	14,622,181	18,620,550	37,330,388	32
2,533	11,899,629	5,023,151	17,683,173	21,310,575	44,376,697	33
2,519	12,513,599	5,784,240	19,329,265	23,944,964	48,568,969	34
2,315	11,799,317	4,860,685	16,642,693	21,479,927	42,942,366	35

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, 1957-61¹ - Continued

No.	S.I.C. Code	Industrial group and industry	Estab- lish- ments	Administrative and office employees			Production workers			
				Male	Female	Salaries	Male	Female	Wages	
				number		\$	number		\$	
		17. Non-metallic mineral products industries— Concluded:								
1	359	Other non-metallic mineral products indus- tries.	1957	27	136	39	878,381	262	22	944,251
2			1958	30	136	37	882,026	274	18	1,003,537
3			1959	34	175	44	1,135,682	332	15	1,233,809
4			1960	33	136	42	977,446	265	20	1,022,174
5			1961	35	131	48	1,043,827	287	13	1,189,290
6		Totals, non-metallic mineral products in- dustries.	1957	1,153	5,879	1,758	34,718,814	29,358	1,884	110,990,664
7			1958	1,172	6,225	1,760	38,521,052	29,576	1,903	117,945,722
8			1959	1,176	6,564	1,856	41,920,690	31,420	2,046	130,722,007
9			1960	1,296	6,989	1,951	44,811,053	30,367	2,001	127,614,122
10			1961	1,292	6,607	1,870	44,615,733	29,500	2,151	129,471,453
		18. Petroleum and coal products industries:								
		Petroleum refineries:								
11	3651	Petroleum refining	1957	41	4,374	1,385	32,303,635	7,956	66	39,097,001
12			1958	42	4,617	1,450	34,941,053	7,689	58	38,490,697
13			1959	41	4,742	1,424	39,057,313	7,199	54	38,766,575
14			1960	44	4,742	1,406	39,823,359	7,303	54	40,774,063
15			1961	44	4,629	1,336	40,496,789	7,218	52	41,019,247
16	3652	Manufacturers of lubricating oils and greases.	1957	12	47	23	325,581	202	1	904,867
17			1958	13	55	27	386,406	183	1	761,328
18			1959	11	51	27	377,086	181	5	819,505
19			1960	12	62	25	431,830	187	—	839,633
20			1961	13	63	27	484,812	186	—	839,153
21	369	Other petroleum and coal products industries	1957	29	303	93	1,648,533	678	3	2,519,963
22			1958	37	192	60	1,191,339	528	—	2,049,244
23			1959	32	108	46	806,158	415	—	1,717,598
24			1960	35	135	50	929,831	351	—	1,447,081
25			1961	34	139	36	934,242	367	—	1,565,621
26		Totals, petroleum and coal products in- dustries.	1957	82	4,724	1,501	34,277,749	8,836	70	42,521,831
27			1958	92	4,864	1,537	36,518,798	8,400	59	41,301,269
28			1959	84	4,901	1,497	40,240,557	7,795	59	41,303,678
29			1960	91	4,939	1,481	41,185,020	7,841	54	43,060,777
30			1961	91	4,831	1,399	41,915,843	7,771	52	43,424,021

See footnote at end of table.

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, 1957-61¹ - Continued

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	No.
number			dollars			
459	1,822,632	331,469	3,352,969	..	6,946,697	1
465	1,885,563	321,815	4,096,915	3,552,423	8,028,929	2
566	2,369,491	385,840	6,579,139	5,901,505	12,723,430	3
463	1,999,620	351,365	4,566,797	4,374,272	9,058,697	4
479	2,233,117	374,047	5,679,631	5,226,303	11,299,779	5
38,879	145,709,478	48,996,502	203,515,285	..	571,165,145	6
39,466	156,466,774	49,006,803	217,985,178	345,331,758	600,614,113	7
41,886	172,642,697	48,921,458	235,259,274	377,405,806	655,618,841	8
41,308	172,425,175	47,091,870	229,449,762	366,643,786	639,089,796	9
40,128	174,087,186	46,500,939	250,116,408	381,393,965	675,012,816	10
13,781	71,400,636	6,885,603	811,963,113	..	1,007,018,395	11
13,814	73,431,750	7,448,329	809,834,193	184,547,883	1,000,386,222	12
13,419	77,823,888	8,799,544	845,190,269	229,645,840	1,081,594,811	13
13,505	80,597,422	9,043,360	846,909,104	268,446,739	1,117,454,670	14
13,235	81,516,036	10,820,117	899,836,714	276,271,921	1,184,176,374	15
273	1,230,448	149,511	9,985,904	..	15,808,438	16
266	1,147,734	124,291	10,141,478	7,564,163	16,610,641	17
264	1,196,591	135,080	10,786,462	5,351,425	16,367,777	18
274	1,271,463	135,849	10,942,502	5,836,558	16,406,449	19
276	1,323,965	147,900	11,807,241	5,519,514	17,452,028	20
1,077	4,168,496	1,410,318	10,291,318	..	19,443,460	21
780	3,240,583	1,099,740	12,306,176	8,584,077	21,924,831	22
569	2,523,756	1,015,091	8,788,743	6,804,031	16,639,936	23
536	2,376,912	376,643	8,166,513	7,971,564	16,560,517	24
542	2,499,863	363,185	8,986,383	8,907,065	18,565,362	25
15,131	76,799,580	8,445,432	832,240,335	..	1,042,270,293	26
14,860	77,820,067	8,672,360	832,281,847	200,696,123	1,038,921,694	27
14,252	81,544,235	9,949,715	864,765,494	241,801,296	1,114,602,526	28
14,315	84,245,797	9,555,852	866,018,119	282,254,861	1,150,421,636	29
14,053	85,339,864	11,351,202	920,630,338	290,698,500	1,220,193,764	30

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, 1957-61¹ - Continued

No.	S.I.C. Code	Industrial group and industry	Estab- lish- ments	Administrative and office employees			Production workers			
				Male	Female	Salaries	Male	Female	Wages	
				number		\$	number		\$	
		19. Chemical and chemical products industries:								
1	371	Explosives and ammunition manufacturers	1957	13	1,469	578	9,957,615	3,485	936	14,512,298
2			1958	13	1,558	566	10,555,998	3,161	888	14,280,380
3			1959	14	1,494	538	10,530,235	2,926	781	13,763,624
4			1960	12	1,428	511	10,747,525	2,684	626	13,045,737
5			1961	14	1,332	415	10,534,113	2,295	618	11,759,036
6	372	Manufacturers of mixed fertilizers	1957	39	275	105	1,772,062	690	5	2,323,430
7			1958	39	288	121	2,115,400	723	3	2,461,355
8			1959	40	299	123	2,274,421	773	3	2,806,544
9			1960	42	295	112	2,484,020	785	2	3,131,975
10			1961	43	359	135	2,975,153	881	3	3,627,290
11	373	Manufacturers of plastics and synthetic resins.	1957	26	876	308	5,833,552	1,477	63	6,495,912
12			1958	28	858	294	6,177,315	1,503	57	6,782,097
13			1959	28	815	270	5,963,588	1,514	49	7,209,769
14			1960	30	1,135	338	8,539,363	1,919	42	9,821,421
15			1961	31	1,045	320	8,416,659	1,921	39	10,090,303
16	374	Manufacturers of pharmaceuticals and medicines.	1957	187	1,780	1,807	15,030,951	2,197	2,122	12,325,520
17			1958	176	1,682	1,561	15,252,202	2,218	2,113	13,286,329
18			1959	168	1,652	1,592	16,003,479	2,316	2,181	13,720,008
19			1960	161	1,688	1,601	17,250,037	2,323	2,150	13,905,560
20			1961	175	1,746	1,613	17,912,046	2,134	2,109	13,832,212
21	375	Paint and varnish manufacturers	1957	123	1,824	979	12,226,266	3,085	318	11,657,494
22			1958	127	1,790	964	12,715,744	3,045	331	12,108,177
23			1959	133	1,820	986	13,419,294	3,100	324	12,792,868
24			1960	134	1,825	980	14,320,075	3,018	283	13,104,231
25			1961	136	1,734	977	14,009,236	2,809	282	11,839,143
26	376	Manufacturers of soap and cleaning compounds	1957	130	1,084	506	8,110,561	1,954	381	9,263,787
27			1958	127	1,125	527	8,711,390	2,055	414	10,304,430
28			1959	124	1,166	589	9,543,275	2,083	447	10,771,787
29			1960	122	1,238	564	9,795,766	2,003	435	11,032,725
30			1961	126	1,246	511	10,572,559	1,944	444	11,286,469

See footnote at end of table.

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry,
1957-61¹ - Continued

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	No.
number			dollars			
6,466	24,469,913	1,974,346	42,681,000	..	80,751,497	1
6,173	24,836,376	1,894,456	33,850,631	33,673,725	68,987,833	2
5,739	24,293,859	1,725,240	36,775,255	36,913,835	75,873,443	3
5,249	23,793,262	1,707,552	27,506,012	39,476,600	67,123,576	4
4,660	22,293,149	1,722,378	25,586,162	31,863,783	63,353,335	5
1,075	4,095,492	316,280	26,894,430	..	39,217,101	6
1,135	4,576,755	387,299	28,077,820	12,654,080	43,194,341	7
1,198	5,080,965	442,862	30,761,696	13,868,607	44,478,379	8
1,194	5,615,995	497,055	32,550,234	12,640,799	45,700,272	9
1,378	6,602,443	719,211	39,647,614	14,426,263	54,261,404	10
2,724	12,329,464	1,708,661	36,791,138	..	67,828,805	11
2,712	12,959,412	1,794,009	40,128,059	31,151,709	73,498,380	12
2,648	13,173,357	1,981,306	44,026,641	32,297,929	77,671,629	13
3,434	18,360,784	3,399,463	56,388,538	47,391,805	106,198,742	14
3,325	18,506,962	3,656,465	60,256,949	47,103,780	110,345,093	15
7,706	27,356,471	1,009,576	40,304,647	..	132,209,768	16
7,574	28,538,531	1,017,787	41,953,447	104,645,034	146,060,533	17
7,741	29,723,487	1,007,723	46,000,067	109,664,694	154,821,701	18
7,782	31,155,597	1,027,889	44,681,168	114,636,688	160,371,452	19
7,602	31,744,258	1,045,936	49,784,714	117,204,902	166,015,641	20
6,206	23,883,760	990,799	64,101,298	..	129,384,037	21
6,130	24,823,921	953,069	69,393,077	73,358,831	141,723,889	22
6,230	26,212,162	975,071	71,704,360	75,304,409	147,583,368	23
6,106	27,424,306	1,017,074	73,540,005	72,584,230	147,137,928	24
5,802	25,848,379	1,050,382	75,065,600	76,955,820	152,357,549	25
3,925	17,374,348	1,560,948	70,254,983	..	143,361,404	26
4,121	19,015,820	1,679,803	75,827,959	80,848,917	157,006,645	27
4,285	20,315,062	1,642,589	75,364,917	79,678,126	157,432,011	28
4,240	20,828,511	1,635,996	72,750,210	82,439,909	158,587,598	29
4,145	21,859,028	1,676,253	82,893,226	86,698,652	172,334,470	30

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, 1957-61¹ - Continued

No.	S.I.C. Code	Industrial group and industry	Estab- lish- ments	Administrative and office employees			Production workers			
				Male	Female	Salaries	Male	Female	Wages	
				number		\$	number		\$	
		19. Chemical and chemical products industries— Concluded:								
1	377	Manufacturers of toilet preparations	1957	81	388	488	3,595,830	537	1,026	3,593,474
2			1958	78	358	494	3,606,766	508	1,018	3,767,566
3			1959	77	411	519	4,090,846	562	1,090	4,117,702
4			1960	77	406	498	4,498,729	528	1,027	4,093,180
5			1961	73	401	531	4,980,832	626	1,088	4,632,469
6	378	Manufacturers of industrial chemicals	1957	117	4,582	1,305	29,435,147	11,041	72	49,161,205
7			1958	122	4,322	1,260	30,798,032	11,384	55	52,919,511
8			1959	119	4,547	1,243	32,153,910	10,866	58	52,927,192
9			1960	120	4,456	1,196	32,853,696	11,139	57	55,540,269
10			1961	128	4,211	1,149	33,354,772	10,770	61	56,009,548
		Other chemical industries:								
11	3791	Manufacturers of printing inks	1957	19	184	69	1,505,077	557	—	2,022,130
12			1958	28	164	112	1,435,441	556	26	2,077,958
13			1959	31	169	127	1,585,903	609	3	2,332,230
14			1960	31	197	122	1,742,274	605	9	2,464,887
15			1961	32	221	120	1,948,431	626	4	2,673,657
16	3799	Other chemical industries, n.e.s.	1957	314	1,302	841	9,815,805	2,466	554	9,497,882
17			1958	307	1,419	860	11,365,166	2,554	636	10,361,044
18			1959	308	1,472	889	12,187,075	2,600	624	10,932,704
19			1960	314	1,454	894	11,964,900	2,675	592	11,572,251
20			1961	314	1,378	897	12,020,558	2,600	572	11,529,807
21		Totals, chemical and chemical products industries.	1957	1,049	13,764	6,806	97,282,866	27,489	5,477	120,853,132
22			1958	1,045	13,564	6,759	102,733,454	27,707	5,541	128,348,847
23			1959	1,042	13,845	6,876	107,752,026	27,349	5,560	131,374,428
24			1960	1,063	14,122	6,816	114,196,407	27,679	5,223	137,712,236
25			1961	1,072	13,673	6,668	116,724,359	26,606	5,220	137,279,934
		20. Miscellaneous manufacturing industries:								
		Scientific and professional equipment manu- facturers:								
26	3811	Instrument and related products manu- facturers.	1957	78	1,674	672	11,021,153	2,980	1,026	14,640,045
27			1958	84	2,054	805	14,520,379	3,027	1,129	15,847,817
28			1959	80	2,165	860	16,077,471	2,917	1,163	15,498,328
29			1960	62	2,278	875	16,664,205	3,004	1,142	16,765,270
30			1961	93	2,058	875	16,359,859	3,595	1,433	21,264,156

See footnote at end of table.

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry,
1957-61¹ - Continued

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	No.
number			dollars			
2,439	7,189,304	182,141	17,482,537	..	47,667,297	1
2,378	7,374,332	190,957	19,196,516	32,757,891	51,410,446	2
2,582	8,208,548	195,031	20,445,491	34,381,279	54,134,447	3
2,459	8,591,909	215,100	21,410,890	39,403,259	61,002,384	4
2,646	9,613,301	237,203	22,949,180	45,555,113	68,814,340	5
17,000	78,596,352	32,475,697	157,524,062	..	366,294,703	6
17,021	83,717,543	37,818,444	173,238,115	207,452,788	413,653,377	7
16,714	85,081,102	40,332,373	183,411,127	218,526,079	444,786,068	8
16,848	88,393,967	43,690,241	179,907,620	237,425,347	450,820,341	9
16,191	89,364,320	42,023,369	182,032,101	257,622,238	476,603,231	10
830	3,527,207	115,997	6,182,513	..	15,157,482	11
858	3,513,399	135,574	6,748,946	8,685,816	15,557,149	12
908	3,918,133	158,963	7,709,955	9,816,585	17,675,697	13
933	4,207,161	172,136	7,607,907	10,037,035	17,671,055	14
971	4,622,088	192,853	8,362,203	10,607,225	19,074,459	15
5,163	19,313,687	2,191,027	57,572,181	..	112,526,236	16
5,469	21,726,210	2,404,932	61,958,478	58,357,074	122,376,333	17
5,585	23,119,779	2,408,435	68,060,641	66,540,161	135,697,205	18
5,615	23,537,151	2,339,330	69,348,950	72,426,007	143,075,141	19
5,447	23,550,365	2,369,766	77,364,106	72,890,023	150,718,636	20
53,536	218,135,998	42,525,472	519,788,789	..	1,134,398,330	21
53,571	231,082,301	48,276,330	550,373,048	643,585,845	1,233,468,926	22
53,630	239,126,454	50,869,593	584,260,150	676,991,704	1,310,153,948	23
53,840	251,908,643	55,701,838	585,691,534	728,461,679	1,357,688,488	24
52,167	254,004,293	54,693,816	623,943,855	760,927,799	1,433,878,158	25
6,352	25,661,198	647,932	28,880,418	..	79,194,812	26
7,015	30,368,196	662,346	40,928,514	50,935,371	91,632,352	27
7,125	31,575,799	734,545	43,151,211	55,036,299	97,154,391	28
7,299	33,429,475	736,209	48,050,289	56,555,467	103,872,960	29
7,961	37,624,015	759,095	59,703,525	63,860,750	123,467,602	30

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, 1957-61¹ - Continued

No.	S.I.C. Code	Industrial group and industry	Estab- lish- ments	Administrative and office employees			Production workers			
				Male	Female	Salaries	Male	Female	Wages	
				number		\$	number		\$	
		20. Miscellaneous manufacturing industries — Con- tinued:								
		Scientific and professional equipment manufacturers — Concluded:								
1	3812	Clock and watch manufacturers	1957	29	149	115	1,301,186	339	450	2,378,877
2			1958	31	161	123	1,361,808	320	437	2,412,789
3			1959	31	156	121	1,359,919	293	396	2,261,139
4			1960	28	160	129	1,518,906	306	432	2,395,543
5			1961	27	167	120	1,394,594	309	440	2,497,913
6	3813	Orthopedic and surgical appliance manufacturers.	1957	37	64	45	410,034	114	155	595,890
7			1958	36	65	36	427,384	112	137	569,938
8			1959	36	65	39	428,439	111	128	581,557
9			1960	37	66	41	490,987	114	125	603,138
10			1961	39	71	39	503,985	102	118	623,432
11	3814	Ophthalmic goods manufacturers	1957	35	186	104	1,071,553	489	240	1,824,739
12			1958	37	214	109	1,229,549	481	226	1,872,464
13			1959	36	167	116	1,093,583	488	218	1,911,954
14			1960	43	243	90	1,450,090	493	243	2,052,035
15			1961	47	151	103	1,150,693	484	224	2,021,048
16	382	Jewellery and silverware manufacturers	1957	216	637	415	4,199,120	2,345	1,301	10,334,002
17			1958	216	680	460	4,662,872	2,200	1,352	10,167,477
18			1959	209	664	416	4,763,541	2,015	1,186	9,776,139
19			1960	218	842	425	5,003,108	1,974	1,148	10,014,163
20			1961	225	669	460	5,155,765	2,116	1,224	10,684,707
21	383	Broom, brush and mop industry	1957	99	311	195	2,013,298	1,090	551	3,669,712
22			1958	94	302	190	2,020,401	1,071	558	3,772,862
23			1959	97	302	200	2,194,420	1,120	548	4,028,603
24			1960	99	335	198	2,502,221	1,058	532	4,031,297
25			1961	96	293	201	2,443,551	1,039	585	4,147,722
26	384	Venetian blind manufacturers	1957	81	101	36	455,983	168	81	528,162
27			1958	74	107	40	491,544	167	80	557,272
28			1959	70	101	36	486,200	159	77	524,454
29			1960	72	94	35	469,151	180	58	574,032
30			1961	69	90	39	486,602	153	68	547,559
31	385	Plastic fabricators, n.e.s.	1957	180	583	283	3,879,419	1,991	1,341	8,373,052
32			1958	184	646	316	4,369,391	2,180	1,391	9,519,835
33			1959	196	812	387	5,404,697	2,749	1,618	12,195,442
34			1960	249	984	433	7,023,266	3,155	1,721	14,051,383
35			1961	278	1,255	509	8,824,198	3,688	2,100	17,308,460

See footnote at end of table.

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, 1957-61¹ - Continued

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	No.
number			dollars			
1,053	3,680,063	53,278	8,436,231	..	16,348,832	1
1,041	3,774,597	55,032	7,626,695	6,783,087	14,626,483	2
966	3,621,058	53,086	7,624,801	7,204,954	15,007,618	3
1,027	3,914,449	55,282	7,803,030	8,037,957	15,477,452	4
1,036	3,892,507	61,083	7,980,252	8,243,101	18,422,305	5
376	1,005,924	31,271	1,213,467	..	2,746,916	6
350	997,322	28,509	863,888	1,644,037	2,538,433	7
343	1,009,996	28,037	863,030	1,585,780	2,458,874	8
346	1,094,125	28,136	892,087	1,478,018	2,395,817	9
330	1,127,417	28,567	938,874	1,963,492	2,878,044	10
999	2,896,292	88,719	2,563,146	..	6,048,813	11
1,030	3,102,013	86,171	3,049,429	3,636,717	6,686,268	12
989	3,005,537	86,955	3,463,325	3,482,873	7,123,353	13
1,069	3,502,125	87,793	3,119,740	3,717,951	6,864,423	14
962	3,171,741	87,525	3,164,728	4,110,465	7,560,456	15
4,698	14,533,122	406,371	28,836,670	..	53,329,122	16
4,692	14,830,349	410,559	29,939,638	24,530,741	54,132,305	17
4,281	14,539,680	377,072	30,481,546	24,690,377	55,194,136	18
4,169	15,017,271	352,276	28,903,998	24,816,572	53,671,732	19
4,469	15,840,472	378,943	29,646,657	25,987,264	55,676,781	20
2,147	5,703,010	196,566	9,457,408	..	19,927,707	21
2,121	5,793,263	178,488	8,702,978	9,527,787	18,886,003	22
2,170	8,223,023	195,871	8,710,360	10,623,196	19,452,722	23
2,123	6,533,518	187,125	8,790,263	11,930,964	20,901,710	24
2,118	6,591,273	199,276	10,200,243	12,809,244	22,575,747	25
386	984,145	85,812	2,091,804	..	3,900,276	26
394	1,048,818	73,467	2,230,023	1,764,986	4,057,255	27
373	1,010,654	59,305	2,040,250	1,918,832	4,020,151	28
367	1,043,183	57,789	1,831,547	1,670,873	3,574,029	29
350	1,034,161	56,750	2,142,533	2,016,770	4,204,928	30
4,198	12,252,471	764,537	27,195,900	..	52,342,910	31
4,533	13,889,226	806,989	31,923,259	31,840,107	63,449,181	32
5,546	17,600,339	979,979	41,160,092	37,695,267	78,306,519	33
6,293	21,074,649	1,150,462	47,394,994	41,097,906	88,345,157	34
7,552	26,132,658	1,429,299	58,119,620	50,110,240	109,179,817	35

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry,
1957-61¹ - Continued

No.	S.I.C. Code	Industrial group and industry	Estab- lish- ments	Administrative and office employees			Production workers			
				Male	Female	Salaries	Male	Female	Wages	
				number		\$	number		\$	
		20. Miscellaneous manufacturing industries — Continued:								
		Sporting goods and toy industry:								
1	3931	Sporting goods industry.....	1957	100	376	227	2,346,539	1,525	662	5,976,837
2			1958	104	415	247	2,883,404	1,581	661	6,134,030
3			1959	103	455	272	3,398,522	1,865	726	7,795,711
4			1960	107	435	306	3,344,246	1,991	719	9,012,325
5			1961	107	418	266	3,296,692	2,015	741	9,440,185
6	3932	Toys and games industry	1957	67	163	113	1,255,728	708	1,149	3,737,675
7			1958	70	181	123	1,513,351	724	1,158	4,098,488
8			1959	67	210	141	1,760,610	828	1,363	4,659,607
9			1960	71	229	156	1,791,274	965	1,432	5,332,532
10			1961	73	209	200	1,972,358	946	1,476	5,495,576
11	395	Fur dressing and dyeing industry	1957	16	102	18	748,838	782	157	2,636,590
12			1958	14	75	15	485,254	680	138	2,439,445
13			1959	15	82	15	612,446	766	130	2,799,973
14			1960	16	78	18	638,820	760	130	2,990,555
15			1961	15	78	17	565,526	746	131	3,177,852
16	397	Signs and displays industry	1957	326	697	215	3,861,792	2,166	158	7,948,971
17			1958	338	707	233	4,411,394	2,321	195	8,594,199
18			1959	328	724	224	4,643,526	2,415	227	9,630,271
19			1960	346	813	261	5,491,330	2,531	211	10,118,610
20			1961	367	834	266	5,563,440	2,563	184	10,522,014
		Miscellaneous manufacturing industries, n.e.s.:								
21	3981	Button, buckle and fastener industry	1957	45	202	122	1,561,542	549	753	3,041,955
22			1958	43	188	117	1,506,953	537	695	3,035,905
23			1959	43	181	125	1,497,392	512	719	3,232,086
24			1960	42	170	121	1,558,995	523	695	3,269,808
25			1961	40	165	137	1,458,950	569	688	3,371,673
26	3982	Candle manufacturers	1957	18	34	22	256,062	119	72	423,796
27			1958	19	43	29	340,158	108	67	417,805
28			1959	21	41	30	357,236	110	67	476,889
29			1960	17	38	28	359,875	108	69	472,227
30			1961	16	30	31	335,709	103	75	497,620
31	3983	Hair goods manufacturers.....	1957	11	12	5	55,579	39	23	110,742
32			1958	10	11	7	59,177	43	29	133,081
33			1959	8	8	3	41,394	20	10	76,109
34			1960	11	11	5	63,303	23	20	110,282
35			1961	11	12	5	58,957	30	21	109,152

See footnote at end of table.

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, 1957-61¹ - Continued

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	No.
number			dollars			
2,790	8,323,376	333,538	9,389,099	..	24,336,797	1
2,904	9,017,434	349,687	10,580,558	16,546,978	27,563,350	2
3,318	11,194,233	393,265	12,796,718	23,558,243	35,460,121	3
3,451	12,356,571	417,248	16,890,970	20,793,066	37,642,356	4
3,440	12,736,877	442,993	19,640,754	24,393,535	43,280,687	5
2,133	4,993,403	234,344	9,202,676	..	18,682,151	6
2,186	5,611,839	248,587	10,703,594	10,598,537	21,279,139	7
2,542	6,420,217	245,605	11,927,029	11,984,446	23,817,602	8
2,782	7,123,806	251,769	12,898,501	12,170,419	24,996,422	9
2,831	7,467,934	264,407	14,820,448	14,397,393	29,614,301	10
1,059	3,385,428	122,528	1,248,961	..	6,299,336	11
908	2,924,699	112,549	895,585	4,524,486	5,508,408	12
993	3,412,419	119,417	1,253,798	5,145,138	6,503,695	13
986	3,629,375	124,567	1,000,856	5,670,920	6,774,986	14
972	3,743,378	119,508	1,265,565	5,448,617	6,833,867	15
3,236	11,810,763	576,879	10,435,045	..	28,371,912	16
3,458	13,005,593	550,647	11,362,969	20,101,681	31,844,726	17
3,590	14,273,797	513,772	12,074,347	21,703,595	34,169,146	18
3,816	15,609,940	525,360	12,927,818	24,222,991	37,776,745	19
3,847	16,085,454	587,610	13,989,388	26,145,467	40,161,756	20
1,626	4,603,497	135,188	5,537,872	..	13,183,373	21
1,537	4,542,858	139,738	5,439,001	7,760,879	13,141,650	22
1,537	4,729,478	133,749	5,788,183	7,721,529	13,807,836	23
1,509	4,828,603	132,963	5,800,244	7,839,951	13,867,125	24
1,559	4,830,623	138,545	5,985,160	8,086,884	14,158,425	25
247	679,858	56,043	1,303,670	..	2,879,197	26
247	757,963	51,462	1,244,621	1,759,275	3,006,982	27
248	834,125	54,395	1,220,445	1,711,255	2,994,344	28
243	832,102	55,156	1,169,589	1,698,223	2,964,400	29
239	833,329	45,039	1,247,172	1,840,998	3,089,315	30
79	166,321	3,279	591,577	..	890,333	31
90	192,258	2,538	444,782	308,817	751,009	32
41	117,503	1,217	150,425	162,090	315,961	33
59	173,585	4,592	215,158	269,138	485,588	34
68	168,109	4,340	269,483	213,669	485,477	35

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, 1957-61¹ - Continued

No.	S.I.C. Code	Industrial group and industry		Estab- lish- ments	Administrative and office employees			Production workers		
					Male	Female	Salaries	Male	Female	Wages
					number		\$	number		\$
		20. Miscellaneous manufacturing industries - Continued:								
		Miscellaneous manufacturing industries n.e.s. - Continued:								
1	3984	Artificial flowers and feathers manu- facturers.	1957	40	51	37	297,493	119	226	585,879
2			1958	40	49	35	309,679	122	229	656,216
3			1959	36	52	33	318,112	117	227	674,443
4			1960	33	51	31	335,969	133	216	699,578
5			1961	32	52	26	329,124	123	194	632,225
6	3985	Model and pattern manufacturers	1957	87	129	42	853,546	509	70	2,129,488
7			1958	89	133	44	825,495	462	77	2,132,960
8			1959	86	135	49	914,962	558	73	2,698,286
9			1960	92	152	49	1,072,675	590	62	2,904,817
10			1961	86	166	68	1,221,796	662	96	3,281,704
11	3986	Musical instrument and sound recording industry.	1957	23	129	92	901,140	966	263	3,669,134
12			1958	22	147	91	1,040,402	907	272	3,718,888
13			1959	22	143	92	1,148,570	915	295	4,067,370
14			1960	28	161	103	1,286,956	907	331	4,410,048
15			1961	30	181	100	1,437,751	958	352	4,590,068
16	3988	Typewriter supplies manufacturers	1957	9	85	49	638,435	190	111	776,008
17			1958	9	78	47	629,941	182	111	775,176
18			1959	9	68	53	637,142	187	110	817,112
19			1960	10	68	53	655,914	193	120	934,590
20			1961	10	66	47	681,971	205	120	958,398
21	3989	Fountain pen and pencil manufacturers	1957	18	177	144	1,494,180	279	563	1,984,775
22			1958	17	183	148	1,497,846	291	536	1,946,553
23			1959	15	162	132	1,643,622	271	509	1,954,155
24			1960	19	189	134	1,738,846	240	538	1,977,664
25			1961	18	187	130	1,733,143	228	537	1,997,057
26	3993	Smokers' supplies manufacturers	1957	11	29	20	199,589	56	45	292,744
27			1958	12	27	24	193,932	45	33	220,168
28			1959	11	29	25	193,297	45	33	242,992
29			1960	11	28	27	200,297	46	39	254,204
30			1961	10	30	24	247,999	46	43	266,482
31	3995	Stamp and stencil (rubber and metal) manufacturers.	1957	69	180	86	1,178,682	544	147	2,024,524
32			1958	69	178	69	1,227,923	521	139	2,049,605
33			1959	67	190	88	1,335,971	572	118	2,239,263
34			1960	70	197	91	1,454,445	621	97	2,484,854
35			1961	70	169	85	1,250,782	526	79	2,146,149

See footnote at end of table.

**TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry,
1957-61¹ - Continued**

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	No.
number	dollars					
433	883,372	23,927	993,218	..	2,515,806	1
435	965,895	22,713	1,215,710	1,678,696	2,887,595	2
429	992,555	17,200	885,909	1,773,272	2,672,470	3
431	1,035,547	20,239	985,662	1,507,831	2,587,258	4
395	961,349	20,725	974,419	1,703,644	2,628,200	5
750	2,983,034	86,427	1,375,128	..	6,727,937	6
716	2,958,455	80,142	1,362,905	4,942,011	6,331,424	7
815	3,613,248	89,287	1,945,579	6,214,626	8,257,188	8
853	3,977,492	90,235	1,632,224	7,012,901	8,652,609	9
982	4,503,500	93,740	2,229,558	7,654,808	9,804,880	10
1,450	4,570,274	177,192	4,752,748	..	14,698,634	11
1,417	4,759,290	174,596	5,057,685	11,123,432	16,271,903	12
1,445	5,215,940	194,674	5,591,210	12,350,106	18,041,082	13
1,502	5,697,004	193,954	5,932,430	13,489,601	19,644,578	14
1,591	6,027,819	201,891	6,365,694	15,002,671	21,428,010	15
435	1,414,443	47,772	3,151,084	..	6,135,100	16
418	1,405,117	51,812	2,978,720	2,986,893	6,043,444	17
418	1,454,254	55,791	3,290,258	3,264,130	6,563,245	18
434	1,590,504	55,903	3,646,747	3,000,481	6,626,260	19
438	1,640,369	57,879	3,870,689	3,035,094	6,953,200	20
1,163	3,478,955	87,865	5,691,490	..	13,342,735	21
1,158	3,444,399	87,799	5,544,981	6,989,296	12,766,946	22
1,094	3,597,777	87,313	5,549,835	7,735,185	13,248,666	23
1,101	3,716,510	85,024	5,912,214	7,656,111	13,939,973	24
1,082	3,730,200	90,780	6,445,089	8,349,738	15,051,086	25
150	492,333	20,109	1,321,371	..	2,431,627	26
129	414,100	14,550	908,780	942,484	1,978,727	27
132	436,289	14,584	953,483	1,013,870	2,262,762	28
140	454,501	17,773	886,583	1,034,152	1,995,884	29
143	514,481	16,258	1,105,408	1,188,046	2,322,476	30
957	3,203,206	65,594	1,921,079	..	6,290,402	31
927	3,277,528	90,483	1,963,875	4,744,266	8,832,461	32
968	3,575,234	91,769	2,282,475	4,960,145	7,329,996	33
1,006	3,939,299	112,023	2,430,426	5,492,113	8,018,658	34
859	3,396,931	103,778	1,851,642	4,602,233	6,536,292	35

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry.
1957-61¹ - Concluded

No.	S.I.C. Code	Industrial group and industry		Estab- lish- ments	Administrative and office employees			Production workers		
					Male	Female	Salaries	Male	Female	Wages
					number		\$	number		\$
		20. Miscellaneous manufacturing industries — Concluded:								
		Miscellaneous manufacturing industries, n.e.s. — Concluded:								
1	3996	Statuary, art goods, regalia and novelty manufacturers.	1957	94	137	43	639,394	344	256	1,277,220
2			1958	90	142	48	624,582	304	270	1,234,115
3			1959	66	136	46	692,570	300	253	1,287,972
4			1960	90	157	50	780,147	309	252	1,373,933
5			1961	87	152	62	816,910	304	250	1,379,993
6	3997	Umbrella manufacturers	1957	9	23	7	112,532	19	102	201,160
7			1958	8	20	3	119,861	16	92	187,318
8			1959	8	18	2	105,376	21	85	189,434
9			1960	8	18	5	136,547	16	75	194,234
10			1961	8	16	8	145,907	26	77	221,148
11	3998	Artificial ice manufacturers	1957	33	70	15	293,013	210	1	623,836
12			1958	31	54	15	247,262	195	—	592,551
13			1959	29	57	13	273,092	188	—	595,169
14			1960	29	44	13	225,353	164	—	547,364
15			1961	30	44	13	218,909	159	1	502,237
16	3999	Other miscellaneous industries	1957	60	273	206	2,255,231	1,029	886	4,728,842
17			1958	61	274	208	2,173,595	927	738	4,402,757
18			1959	57	324	207	2,546,702	994	751	4,845,114
19			1960	53	276	180	2,429,252	900	722	4,562,658
20			1961	46	220	160	2,044,205	673	690	4,493,613
21		Totals, miscellaneous manufacturing industries.	1957	1,791	6,554	3,330	43,301,061	19,667	19,771	84,534,655
22			1958	1,802	7,134	3,602	49,173,537	19,524	19,750	87,489,714
23			1959	1,766	7,487	3,705	53,929,012	20,536	11,030	95,059,572
24			1960	1,881	7,917	3,857	58,686,178	21,304	11,129	102,137,144
25			1961	1,928	7,783	3,991	59,699,376	22,568	11,947	112,178,143
26		Grand totals, all manufacturing indus- tries.	1957	33,551	220,310	85,305	1,386,236,109	819,499	215,834	3,391,803,438
27			1958	32,446	216,238	83,980	1,452,839,112	764,869	207,599	3,305,975,319
28			1959	32,075	215,513	83,305	1,512,529,222	779,059	209,932	3,517,598,977
29			1960	32,852	219,866	84,900	1,585,379,151	764,691	206,919	3,565,123,889
30			1961	32,415	213,798	81,872	1,585,333,662	758,195	211,081	3,646,113,307

¹ Not directly comparable with statistics for years prior to 1957; see Part I, Section B, "Changes in Classification and Concept".

² Value of production, rather than selling value of factory shipments, is shown.

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry,
1957-61¹ - Concluded

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	No.
number			dollars			
780	1,916,614	68,445	1,731,184	..	4,752,215	1
764	1,858,697	63,757	1,698,712	2,813,262	4,555,548	2
735	1,980,542	62,843	1,862,079	3,479,768	5,347,527	3
768	2,154,080	69,312	2,106,864	3,076,232	5,283,137	4
768	2,196,903	63,248	2,005,813	3,429,538	5,442,599	5
151	313,692	11,906	660,268	..	1,183,776	6
131	307,179	10,484	608,929	527,875	1,125,391	7
126	294,810	8,499	559,305	537,906	1,092,807	8
114	330,781	8,799	539,192	528,980	1,063,528	9
127	367,055	9,486	659,263	603,705	1,307,754	10
296	916,849	294,509	139,321	..	2,027,037	11
264	839,813	270,121	151,401	1,494,310	1,905,838	12
258	868,261	262,593	165,590	1,700,473	2,130,132	13
221	772,717	253,079	151,992	1,329,725	1,731,681	14
217	721,146	235,491	191,833	1,292,049	1,725,721	15
2,376	6,984,073	222,024	8,354,945	..	20,994,772	16
2,147	6,576,352	255,773	8,561,581	13,374,100	22,047,854	17
2,276	7,391,816	264,076	9,292,324	14,912,021	24,196,149	18
2,078	6,991,910	202,136	9,125,646	13,329,889	22,653,563	19
1,943	6,537,818	208,357	9,034,964	13,030,033	22,022,868	20
40,322	127,835,716	4,882,053	176,475,780	..	409,582,528	21
41,010	136,663,251	4,877,019	195,988,813	243,880,091	441,650,675	22
42,758	148,988,584	5,124,899	215,063,607	272,165,376	486,950,493	23
44,207	160,823,322	5,275,204	231,039,066	279,428,432	511,810,029	24
46,289	171,877,519	5,704,613	263,868,974	309,523,448	574,812,594	25
1,340,948	4,778,039,547	475,450,310	11,898,789,116	..	21,452,342,614	26
1,272,686	4,758,614,431	470,608,092	11,830,824,511	9,454,953,713	21,434,815,270	27
1,287,809	5,030,128,199	492,048,414	12,339,558,078	10,154,277,148	22,830,826,831	28
1,275,478	5,150,503,040	503,978,312	12,451,637,236	10,371,284,023	23,279,804,128	29
1,264,946	5,231,446,869	515,384,755	13,127,707,976	10,682,137,680	24,243,294,949	30

PART III

SELECTED FACTORS IN MANUFACTURING PRODUCTION

SECTION A. CAPITAL AND REPAIR EXPENDITURES

Capital expenditures for new construction, machinery and equipment by the Canadian manufacturing industries in 1961, as compiled by the Bureau's Business Finance Division, amounted to \$1,084.8 million, exceeding the \$1,000 million level for the sixth consecutive year. In addition to capital expenditures of \$279.1 million on new construction and \$805.7 million on new machinery and equipment, a record \$681.9 million was expended on repairs. Although capital expenditures were 7.9 per cent below the 1960 total of \$1,177.4 million and 26.6 per cent below the record \$1,478.9 million in 1957, they were slightly above the ten-year (1951-60) average of \$1,079.2 million.

The main factors contributing to lower capital expenditures in 1961 were the decreases of \$67.7 million in the primary metal industries and \$27.8 million in the petroleum and coal products industries, reflecting in large measure smaller outlays on new construction and equipment for iron and steel mills, smelters and refineries, and petroleum refining facilities. On an industrial group basis, the food and beverage industries, with \$165.0 million capital expenditures in 1961, accounted for 15.2 per cent, the largest individual share of the total. Other leading groups, with amounts and percentages of the total, respectively, were paper and allied industries, \$161.0 million (14.8); primary metal industries \$126.5 million (11.7); chemical and chemical products industries \$125.7 million (11.6); transportation equipment industries \$47.1 million (4.3); and non-metallic mineral products industries \$44.7 million (4.1). These seven groups, with total capital expenditures of \$714.6 million, accounted for almost two thirds of the total.

Direct comparisons of the 1961 totals with those of previous years are not completely valid except for 1960 when the

series on capital and repair expenditures was first compiled on the Revised Standard Industrial Classification.¹ The changes introduced by this new classification were essentially of two types—the transfer of certain industries such as gas processing plants and salt producers from manufacturing to mining, and of certain other types of processors to other non-manufacturing industries; and the re-allocation of some industries within manufacturing, such as the re-arrangement of the former iron and steel products and non-ferrous metal products groups into three new industrial groups. While these changes prevent direct comparison of data on an industrial group basis for 1960 and 1961 with those of previous years, comparison of provincial totals is not affected to such an extent. Prior to 1960, however, certain provincial totals are likely to be greater than they would be if compiled under the Revised Standard Classification because of the inclusion of industrial activity no longer considered as manufacturing. The only indication of the extent of this difference is to be found in the 1960 data which were compiled on both classifications and were found to be approximately two per cent smaller in total on the Revised Standard Industrial Classification basis. Reference to Table 11 will indicate that by far the largest adjustment occasioned by implementation of the revised Standard Industrial Classification in 1960 occurred in Alberta where the transfer of gas processing plants from manufacturing to mining had considerable impact on the allocation of capital expenditures.

¹ See pages 23-25 inclusive of *Private and Public Investment in Canada, Outlook 1962*, Department of Trade and Commerce, Queen's Printer and Controller of Stationery, Ottawa.

TABLE 11. Capital Expenditures by the Manufacturing Industries, by Province, 1957-61

Province	Basis 1948 Standard Industrial Classification				Basis 1960 Standard Industrial Classification		
	1957	1958	1959	1960	1960	1961	Change from 1960 to 1961
	\$'000,000						per cent
Newfoundland	12.9	5.8	9.0	12.1	12.0	19.4	+ 7.4
Prince Edward Island	0.2	0.3	0.4	0.6	0.6	1.9	+ 1.3
Nova Scotia	17.7	12.5	15.0	27.1	27.0	40.8	+ 13.8
New Brunswick	15.2	25.3	54.6	29.9	29.7	21.7	- 8.0
Quebec	375.8	300.6	318.8	304.4	304.6	292.3	- 12.3
Ontario	675.9	503.2	502.2	558.5	554.8	534.2	- 20.6
Manitoba	30.4	49.0	58.8	49.8	49.8	26.9	- 22.9
Saskatchewan	14.6	23.5	21.9	12.7	12.8	13.3	+ 0.5
Alberta	81.6	69.9	75.9	82.2	63.1	34.9	- 28.2
British Columbia	274.6	104.9	87.2	123.4	123.0	99.4	- 23.6
Canada	1,478.9	1,095.0	1,143.8	1,200.7	1,177.4	1,084.8	- 92.6

In dollar terms, Ontario and Quebec continued to dominate the capital expenditure programme in 1961, with total outlays of \$534.2 million and \$292.3 million, respectively. Both, however, registered declines from 1960 along with New Brunswick and all of the Western provinces except Saskatchewan. Running counter to the general trend, capital expenditures in Nova Scotia, Newfoundland and Prince Edward Island were the highest since the current series was instituted in 1944. Expenditures in Nova Scotia, at \$40.8 million, were \$13.8 million higher than in 1960, with new and expanded facilities in pulp and paper mills and fibre preparing mills accounting for most of the increase. Expansion of pulp and paper facilities in Newfoundland, together with completion of the province's first petroleum refinery, contributed to that province's increase of \$7.4 million to a 1961 total of \$19.4 million. In Prince Edward Island, completion of a new plant for processing vegetables was the major factor in that province's 1961 capital expenditures of \$1.9 million.

Although expansion and modernization of manufacturing plant and equipment have been at unprecedented levels in the ten-year (1952-61) period, the regional incidence has varied considerably. One measure of this variation is the ratio of capital expenditures to the selling value of factory shipments.

In the first half of the period (1952-56), Alberta's average capital investment programme, equivalent to 13.1 per cent of its average selling value of factory shipments, led all other provinces by a wide margin. Newfoundland, with 10.0 per cent, and British Columbia, with 8.7 per cent, had the next highest proportions and, together with Alberta, were the only provinces exceeding the all-Canada average of 5.5 per cent. Although not directly comparable because of a change in the Standard Industrial Classification, the provincial variation during the second half of the period (1957-61) was less marked, ranging from 9.7 per cent for Newfoundland to 2.7 per cent for Prince Edward Island. During this period the ratio of capital expenditures to selling value of factory shipments was higher than in the 1952-56 period in all provinces except Newfoundland, Ontario, Alberta and British Columbia where the declines were sufficient to reduce the Canadian proportion from 5.5 per cent in 1952-56 to 5.3 per cent in 1957-61. In terms of dollars, however, all provinces except Alberta had greater capital expenditures during the second half of the ten-year period. In the case of Alberta, much of this decrease can be attributed to the removal of gas processing plants from the manufacturing sector for 1960 and 1961 when new construction of these facilities was near its peak.

TABLE 12. Comparison of Capital Expenditures with Value of Factory Shipments, 1952-61

Province	Annual average, 1952-56			Annual average, 1957-61		
	Capital expenditures ¹	Selling value of factory shipments ¹	Capital expenditures as a percentage of shipments	Capital expenditures ²	Selling value of factory shipments ²	Capital expenditures as a percentage of shipments
	\$'000,000		p.c.	\$'000,000		p.c.
Newfoundland	11.2	112.2	10.0	11.8	121.7	9.7
Prince Edward Island	0.6	23.1	2.6	0.7	26.4	2.7
Nova Scotia	17.5	332.5	5.3	22.6	375.4	6.0
New Brunswick	12.5	297.1	4.2	29.3	338.8	8.6
Quebec	244.1	5,700.8	4.3	318.4	6,827.4	4.7
Ontario	486.9	9,210.9	5.3	554.1	11,253.3	4.9
Manitoba	20.6	593.2	3.5	43.0	706.4	6.1
Saskatchewan	13.8	279.9	4.9	17.2	321.9	5.3
Alberta	78.4	598.9	13.1	61.1	831.3	7.3
British Columbia	135.1	1,546.1	8.7	137.8	1,844.4	7.5
Canada	1,020.8	18,694.7	5.5	1,196.0	22,647.0	5.3

¹ Basis 1948 Standard Industrial Classification.² Basis 1948 Standard Industrial Classification for 1957-59; 1960 Standard Industrial Classification for 1960 and 1961.³ Basis 1960 Standard Industrial Classification.

TABLE 13. Total Capital and Repair Expenditures by the Manufacturing Industries, 1944-60, and by Province and Industrial Group, 1961

Year, province and group	Capital expenditures			Repair expenditures		
	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
	\$'000,000					
1944	61.3	150.1	211.4	60.7	173.5	234.2
1945	75.9	204.2	280.1	63.1	170.6	233.7
1946	132.2	205.0	337.2	56.6	164.3	221.1
1947	184.7	343.2	527.9	62.4	210.7	273.1
1948	184.8	394.2	579.0	78.9	253.9	332.8
1949	156.6	379.2	535.8	66.7	267.2	333.9
1950	135.4	367.1	502.5	67.6	279.0	346.6
1951	267.6	525.0	792.6	85.0	337.0	422.0
1952	343.6	629.0	972.6	95.2	383.5	458.7
1953	324.5	644.5	969.0	94.8	385.5	480.1
1954	287.6	534.5	822.1	97.6	390.9	488.5
1955	344.5	601.8	946.3	100.6	413.0	513.8
1956	487.7	906.1	1,393.8	112.2	465.6	577.8
1957	519.9	959.0	1,478.9	115.4	498.5	613.9
1958	397.6	697.4	1,095.0	109.8	462.1	571.9
1959	373.9	769.9	1,143.8	125.2	537.3	662.5
1960	334.7	842.7	1,177.4	124.4	547.2	671.6
Province						
Newfoundland	9.5	9.9	19.4	0.9	8.3	7.2
Prince Edward Island	1.0	0.9	1.9	0.1	0.4	0.5
Nova Scotia	11.8	29.0	40.8	4.0	11.5	15.5
New Brunswick	6.0	15.7	21.7	2.2	11.9	14.1
Quebec	77.2	215.1	292.3	34.2	152.3	186.5
Ontario	125.3	406.9	534.2	56.7	278.8	335.5
Manitoba	7.9	19.0	26.9	5.3	13.0	18.3
Saskatchewan	5.4	7.9	13.3	2.9	2.6	5.5
Alberta	9.2	25.7	34.9	5.2	16.8	22.0
British Columbia	25.8	73.6	99.4	12.5	64.3	76.8
Totals, 1961	279.1	805.7	1,084.8	124.0	557.9	681.9
Industrial group						
Food and beverage industries	58.1	106.9	185.0	14.1	61.7	75.8
Tobacco products industries	1.7	8.4	8.1	1.3	3.1	4.4
Rubber industries	2.6	13.8	18.4	0.9	8.3	9.2
Leather industries	0.8	3.2	3.8	0.8	2.6	3.2
Textile industries	5.5	22.0	27.5	3.8	20.3	24.1
Knitting mills	1.1	5.0	6.1	0.4	1.7	2.1
Clothing industries	1.9	5.2	7.1	0.7	2.7	3.4
Wood industries	13.6	31.0	44.6	5.8	29.6	35.4
Furniture and fixtures industries	1.2	3.5	4.7	1.0	2.4	3.4
Paper and allied industries	37.1	123.9	161.0	9.2	101.8	111.0
Printing, publishing and allied industries	6.4	24.3	30.7	2.5	7.2	9.7
Primary metal industries	32.9	93.6	126.5	19.1	135.0	154.1
Metal fabricating industries (except machinery and transportation equipment industries)	8.4	29.3	37.7	5.2	23.9	29.1
Machinery industries (except electrical machinery)	5.5	16.7	22.2	2.9	8.7	11.6
Transportation equipment industries	13.9	33.2	47.1	10.5	30.2	40.7
Electrical products industries	7.8	22.4	30.2	3.2	16.3	19.5
Non-metallic mineral products industries	11.9	32.6	44.7	4.2	42.0	46.2
Petroleum and coal products industries	27.9	4.0	31.9	26.1	4.4	30.5
Chemical and chemical products industries	35.4	90.3	125.7	10.4	49.7	60.1
Miscellaneous manufacturing industries	5.8	14.2	19.8	2.2	6.3	8.4
Capital items charged to operating expenses	—	124.0	124.0	—	—	—

TABLE 14. Capital and Repair Expenditures by the Manufacturing Industries, by Industrial Group and Industry, 1960 and 1961¹

Industrial group, industry and year	Capital expenditures			Repair expenditures		
	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
\$'000						
1. Food and beverage industries:						
Slaughtering and meat processors ²						
1960	8,407	8,643	17,050	2,834	9,623	12,457
1961	6,321	11,395	17,716	2,784	11,727	14,511
Dairy factories and Process cheese manufacturers.....						
1960	5,139	16,462	21,601	2,408	9,973	12,381
1961	5,427	19,112	24,539	2,278	10,594	12,872
Fish products industry.....						
1960	1,141	1,683	2,824	999	1,724	2,723
1961	1,498	2,331	3,829	855	2,117	2,972
Fruit and vegetable canners and preservers ²						
1960	4,874	9,996	14,870	1,021	4,726	5,747
1961	6,516	8,938	15,454	1,070	5,614	6,684
Feed manufacturers.....						
1960	3,438	5,970	9,408	737	2,328	3,065
1961	3,010	4,834	7,844	725	2,428	3,151
Flour mills and Breakfast cereal manufacturers.....						
1960	2,038	4,582	6,600	587	2,015	2,582
1961	4,109	7,201	11,310	829	2,110	2,939
Biscuit manufacturers.....						
1960	1,042	1,474	2,516	307	1,138	1,445
1961	584	2,307	2,891	292	1,157	1,449
Bakeries.....						
1960	2,109	10,217	12,326	1,045	5,835	6,880
1961	1,766	8,768	10,534	1,147	6,020	7,167
Other food processors.....						
1960	8,040	16,989	25,029	1,731	8,974	10,705
1961	14,400	18,290	32,690	1,999	9,832	11,831
Breweries.....						
1960	8,240	11,455	19,695	1,311	4,503	5,814
1961	8,557	11,433	19,990	943	4,998	5,941
Other beverage manufacturers.....						
1960	8,290	11,774	20,064	1,361	4,834	6,195
1961	5,689	12,210	18,099	1,193	5,160	6,353
Totals.....						
1960	52,758	99,225	151,983	14,321	55,673	69,994
1961	58,077	106,819	164,896	14,115	61,755	75,870
2. Tobacco products industries.....						
1960	1,689	5,182	6,871	1,229	3,320	4,549
1961	1,676	6,363	8,039	1,215	3,152	4,367
3. Rubber industries.....						
1960	6,970	17,052	24,022	1,073	8,059	9,132
1961	2,630	13,800	16,430	877	8,274	9,151
4. Leather industries.....						
1960	1,348	2,677	4,025	514	2,267	2,781
1961	705	3,270	3,975	627	2,745	3,372
5. Textile industries:						
Cotton yarn and cloth mills.....						
1960	822	4,906	5,730	1,271	4,994	6,265
1961	958	6,066	7,024	1,661	7,190	8,851
Woollen mills.....						
1960	465	1,924	2,389	328	1,217	1,545
1961	710	2,165	2,875	468	1,637	2,305
Synthetic textile mills.....						
1960	718	7,234	7,952	865	6,470	7,335
1961	892	6,931	7,823	824	6,280	7,104
Other primary textile mills.....						
1960	1,750	5,504	7,254	921	4,209	5,130
1961	1,747	4,632	6,379	607	3,790	4,397
Other textile industries.....						
1960	2,236	1,504	3,740	163	725	888
1961	1,098	2,193	3,291	261	1,190	1,451
Totals.....						
1960	5,991	21,074	27,065	3,548	17,615	21,163
1961	5,405	21,987	27,392	3,821	20,287	24,108
6. Knitting mills:						
Hosiery mills.....						
1960	280	2,762	3,042	183	659	842
1961	656	2,670	3,326	189	648	837
Other knitting mills.....						
1960	541	2,281	2,822	235	1,052	1,287
1961	418	2,390	2,808	202	1,130	1,332
Totals.....						
1960	821	5,043	5,864	418	1,711	2,129
1961	1,074	5,060	6,134	391	1,778	2,169

See footnotes at end of table.

TABLE 14. Capital and Repair Expenditures by the Manufacturing Industries, by Industrial Group and by Industry, 1960 and 1961¹ - Continued

Industrial group, industry and year		Capital expenditures			Repair expenditures		
		Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
\$'000							
7. Clothing industries:							
Men's clothing industry	1960	885	1,743	2,628	302	840	1,142
	1961	770	1,949	2,719	354	1,002	1,356
Women's clothing industry	1960	388	1,624	2,012	"	"	843
	1961	198	1,801	1,999	"	"	826
Other clothing industries ⁴	1960	225	1,438	1,663	"	"	1,345
	1961	970	1,511	2,481	"	"	1,263
Totals	1960	1,498	4,805	6,303	740	2,590	3,330
	1961	1,938	5,261	7,199	658	2,787	3,445
8. Wood industries:							
Sawmills (including Shingle mills)	1960	7,387	19,457	26,844	4,047	21,963	26,010
	1961	9,197	19,229	28,426	4,109	22,250	26,359
Veneer and plywood mills	1960	2,186	4,845	7,031	567	3,437	4,004
	1961	1,188	3,779	4,967	741	3,482	4,223
Sash and door and planing mills	1960	1,961	3,048	5,009	634	2,421	3,055
	1961	1,660	4,512	6,172	730	2,746	3,476
Other wood industries	1960	1,083	1,370	2,453	288	992	1,280
	1961	1,581	3,430	5,011	259	1,203	1,462
Totals	1960	12,617	28,720	41,337	5,536	28,813	34,349
	1961	13,626	30,950	44,576	5,839	29,681	35,520
9. Furniture and fixture industries:							
Household furniture industry	1960	2,738	2,602	5,340	685	1,343	2,028
	1961	450	1,784	2,234	644	1,470	2,114
Office furniture industry	1960	"	"	490	"	"	272
	1961	"	"	608	"	"	333
Other furniture industries and Electric lamp and shade industry.	1960	"	"	1,913	"	"	1,066
	1961	"	"	2,022	"	"	1,040
Totals	1960	3,105	4,638	7,743	993	2,373	3,366
	1961	1,265	3,599	4,864	1,021	2,466	3,487
10. Paper and allied industries:							
Pulp and paper mills	1960	27,750	113,493	141,243	7,854	84,811	92,665
	1961	33,111	105,260	138,371	7,742	92,577	100,319
Paper box and bag manufacturers	1960	4,781	11,652	16,433	684	4,762	5,446
	1961	2,418	11,905	14,323	822	5,025	5,847
Other paper converters and Asphalt roofing manufacturers.	1960	2,646	6,105	8,751	619	4,276	4,895
	1961	1,524	6,754	8,278	634	4,375	5,009
Totals	1960	35,177	131,250	166,427	9,157	93,849	103,006
	1961	37,053	123,919	180,972	9,198	101,977	111,175
11. Printing, publishing and allied industries:							
Commercial printing	1960	2,442	11,663	14,105	934	3,508	4,442
	1961	1,080	13,352	14,432	1,182	3,721	4,903
Engraving, stereotyping and allied industries	1960	"	"	1,700	"	"	611
	1961	"	"	1,374	"	"	566
Printing and publishing	1960	"	"	13,450	"	"	4,180
	1961	"	"	15,043	"	"	4,277
Totals	1960	7,415	21,840	29,255	2,441	6,792	9,233
	1961	6,410	24,439	30,849	2,580	7,166	9,746
12. Primary metal industries:							
Iron and steel mills	1960	23,789	90,975	114,764	6,535	79,938	86,473
	1961	13,043	54,599	67,642	4,198	67,885	72,083
Steel pipe and tube mills	1960	2,652	9,213	11,865	381	3,350	3,731
	1961	318	4,047	4,365	374	4,142	4,516

See footnotes at end of table.

TABLE 14. Capital and Repair Expenditures by the Manufacturing Industries, by Industrial Group and by Industry, 1960 and 1961¹ - Continued

Industrial group, industry and year		Capital expenditures			Repair expenditures		
		Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
\$'000							
12. Primary metal industries — Concluded:							
Iron foundries	1960	1,140	1,590	2,730	427	3,066	3,493
	1961	719	3,903	4,622	429	3,297	3,726
Other primary metal industries	1960	23,735	41,092	64,827	12,701	58,601	71,302
	1961	18,878	31,108	49,986	14,019	59,585	73,604
Totals	1960	51,316	142,870	194,186	20,044	144,955	164,999
	1961	32,958	93,657	126,615	19,020	134,909	153,929
13. Metal fabricating industries:							
Boiler and plate works	1960	533	860	1,393	200	888	1,088
	1961	201	787	988	182	770	952
Fabricated structural metal industry	1960	1,102	4,160	5,262	642	3,647	4,289
	1961	617	2,676	3,293	611	1,292	1,903
Ornamental and architectural metal industry	1960	1,412	2,136	3,548	740	1,933	2,673
	1961	649	2,789	3,438	549	1,631	2,180
Metal stamping, pressing and coating industry	1960	2,570	9,079	11,649	994	4,612	5,606
	1961	2,441	8,162	10,603	1,039	5,679	6,718
Wire and wire products manufacturers	1960	2,353	7,015	9,368	1,231	6,682	7,913
	1961	873	3,924	4,797	1,103	6,301	7,404
Hardware, tool and cutlery manufacturers	1960	1,049	3,442	4,491	312	1,635	1,947
	1961	889	2,858	3,747	362	1,644	2,006
Heating equipment manufacturers	1960	834	1,482	2,316	260	1,330	1,590
	1961	455	1,183	1,618	284	1,083	1,367
Machine shops	1960	756	1,898	2,654	309	772	1,081
	1961	466	2,198	2,864	331	803	1,134
Miscellaneous metal fabricating industries	1960	1,695	4,408	6,103	647	3,989	4,636
	1961	1,800	4,562	6,362	737	4,773	5,510
Totals	1960	12,304	34,480	46,784	5,335	25,488	30,823
	1961	8,391	29,119	37,510	5,198	23,976	29,174
14. Machinery industries:							
Agricultural implement industry	1960	1,793	4,163	5,976	3	3	4,262
	1961	2,300	5,482	7,782	3	3	3,597
Commercial refrigeration and air conditioning equipment manufacturers	1960	476	390	866	3	3	226
	1961	512	339	851	3	3	221
Miscellaneous machinery and equipment manufacturers and Office and store machinery manufacturers	1960	6,100	10,144	16,244	2,087	6,004	8,091
	1961	2,757	10,976	13,733	1,942	5,719	7,661
Totals	1960	8,369	14,717	23,086	3,001	9,578	12,579
	1961	5,569	16,797	22,366	2,845	8,634	11,479
15. Transportation equipment industries:							
Aircraft and parts manufacturers	1960	1,184	6,818	8,002	1,397	3,221	4,618
	1961	1,078	6,004	7,082	1,576	3,747	5,323
Motor vehicle manufacturers	1960	10,026	12,327	22,353	2,628	11,363	13,991
	1961	8,469	11,654	20,123	2,478	10,439	12,917
Truck body and trailer manufacturers	1960	323	695	1,018	227	1,306	1,533
	1961	198	1,291	1,489	205	278	483
Motor vehicle parts and accessories manufacturers	1960	1,450	4,800	6,250	957	5,534	6,491
	1961	735	6,448	7,183	1,100	6,623	7,723
Railroad rolling stock industry	1960	989	1,751	2,740	3,097	6,074	9,171
	1961	1,169	2,041	3,210	3,205	6,205	9,410
Other transportation equipment industries	1960	2,575	5,622	8,197	1,958	3,616	5,574
	1961	2,199	5,827	8,026	1,962	2,965	4,927
Totals	1960	16,547	32,013	48,560	10,264	31,114	41,378
	1961	13,848	33,265	47,113	10,526	30,257	40,783

See footnotes at end of table.

TABLE 14. Capital and Repair Expenditures by the Manufacturing Industries, by Industrial Group and by Industry, 1960 and 1961¹ - Continued

Industrial group, industry and year	Capital expenditures			Repair expenditures		
	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
	\$'000					
16. Electrical products industries:						
Manufacturers of major appliances (electric and non-electric).....	1960 333	2,008	2,341	634	1,329	1,963
1961 815	2,012	2,827	492	1,436	1,928	
Communications equipment manufacturers	1960 4,334	9,033	13,367	752	4,902	5,654
1961 3,144	7,480	10,624	661	4,631	5,292	
Manufacturers of electrical industrial equipment	1960 772	5,058	5,828	1,194	3,514	4,708
1961 813	5,089	5,902	821	3,613	4,434	
Other electrical products industries	1960 2,148	8,183	10,331	1,375	6,609	7,984
1961 2,934	7,725	10,659	1,388	6,675	8,043	
Totals	1960 7,587	24,280	31,867	3,953	16,354	20,309
	1961 7,706	22,306	30,012	3,342	16,355	19,697
17. Non-metallic mineral products manufacturers:						
Cement manufacturers	1960 2,727	8,619	9,346	564	7,594	8,158
1961 2,080	3,840	5,920	831	8,598	9,429	
Lime manufacturers	1960 3	3	803	3	3	1,701
1961 3	3	1,702	3	3	1,805	
Concret products manufacturers and Ready-mix concrete manufacturers.....	1960 2,023	10,400	12,423	1,735	13,418	15,153
1961 3,053	11,393	14,446	1,493	13,084	14,577	
Clay products manufacturers	1960 3	3	3,866	3	3	3,541
1961 3	3	5,690	3	3	3,735	
Glass and glass products manufacturers	1960 3,638	3,803	7,441	585	6,923	7,508
1961 1,493	3,613	5,106	588	8,220	8,808	
Other non-metallic mineral products industries ²	1960 5,931	9,237	15,168	595	5,865	6,460
1961 3,233	6,534	11,767	679	7,189	7,888	
Totals	1960 15,708	33,339	49,047	4,185	38,336	42,521
	1961 11,819	32,812	44,631	4,304	41,918	46,222
18. Petroleum and coal products industries	1960 52,017	7,770	59,787	26,057	4,176	30,233
	1961 27,741	4,008	31,749	26,121	4,374	30,495
19. Chemical and chemical products industries:						
Manufacturers of mixed fertilizers.....	1960 916	3,309	4,227	238	1,329	1,567
1961 743	1,583	2,326	344	2,112	2,456	
Manufacturers of plastics and synthetic resins.....	1960 1,495	5,193	6,688	531	4,429	4,960
1961 901	8,427	9,328	765	5,555	6,320	
Manufacturers of pharmaceuticals and medicines.....	1960 3,439	3,496	6,935	662	1,398	2,058
1961 3,684	2,229	5,913	624	1,266	1,890	
Paint and varnish manufacturers	1960 456	1,521	1,977	416	995	1,411
1961 423	1,096	1,519	347	942	1,289	
Manufacturers of soap and cleaning compounds	1960 497	2,005	2,502	392	1,890	2,282
1961 314	1,880	1,994	422	1,902	2,324	
Manufacturers of industrial chemicals	1960 19,752	49,018	68,770	7,451	32,046	39,497
1961 23,562	60,649	84,211	6,838	33,212	40,048	
Other chemical and chemical products industries	1960 8,318	7,566	15,884	1,171	6,199	7,370
1961 5,880	14,634	20,514	1,207	4,853	6,060	
Totals	1960 34,875	72,108	106,983	10,861	48,284	59,145
	1961 35,507	90,298	125,805	10,545	49,842	60,387
20. Miscellaneous manufacturing industries:						
Scientific and professional equipment manufacturers.....	1960 1,196	2,542	3,738	847	1,214	2,061
1961 2,053	3,150	5,203	947	1,388	2,335	
Jewellery and silverware manufacturers.....	1960 3	3	659	3	3	464
1961 3	3	462	3	3	564	

See footnotes at end of table.

TABLE 14. Capital and Repair Expenditures by the Manufacturing Industries, by Industrial Group and by Industry, 1960 and 1961¹ - Concluded

Industrial group, industry and year	Capital expenditures			Repair expenditures		
	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
\$'000						
20. Miscellaneous manufacturing industries - Concluded:						
Plastic fabricators n.e.s. 1960	1,777	4,432	6,209	215	1,658	1,873
..... 1961	717	4,518	5,235	253	1,801	2,054
Sporting goods and toy industry 1960	246	1,734	1,980	239	682	921
..... 1961	247	1,501	1,748	182	633	815
Signs and displays industry 1960	3	3	2,164	3	3	602
..... 1961	3	3	1,239	3	3	522
Other miscellaneous manufacturing industries 1960	2,716	3,330	6,046	469	1,811	2,280
..... 1961	1,974	3,960	5,934	502	1,852	2,354
Totals 1960	7,140	13,656	20,796	2,224	5,977	8,201
..... 1961	5,648	14,173	19,821	2,315	6,329	8,644
21. Capital items 1960	-	126,400	126,400	-	-	-
..... 1961	-	124,000	124,000	-	-	-
Total manufacturing 1960	335,252	843,139	1,178,391	125,896	547,324	673,220
..... 1961	279,046	805,902	1,084,948	124,556	558,662	683,220

¹ Based on data compiled by the Business Finance Division, Dominion Bureau of Statistics. Expenditures are presented for as many industries as possible within the limits of the Statistics Act and are compiled on the revised (1960) Standard Industrial Classification.

² Poultry processors included with "Fruit and vegetable canners and preservers" in 1960, with "Slaughtering and meat processors" in 1961. The poultry processors industry is not included as a manufacturing industry in other sections of this report.

³ Estimates for both components (construction and machinery and equipment) combined since figures for one or both were not sufficiently significant to be recorded separately.

⁴ Includes Children's clothing industry, Fur goods industry, Hat and cap industry, Foundation garment industry, Fabric glove manufacturers and Miscellaneous clothing (n.e.s.) industry.

⁵ Includes Gypsum products manufacturers, Refractories manufacturers, Stone products manufacturers, Mineral wool manufacturers, Asbestos products manufacturers, Abrasive manufacturers and Other non-metallic mineral products industries.

SECTION B. VALUE OF MANUFACTURING INVENTORY

Year-end manufacturing inventories as shown in Table 15 for the period 1949 to 1961 contain two breaks in continuity—the first in 1954 when calendar-year data were replaced with company-year data, the second in 1960 when the revised (1960) Standard Industrial Classification was introduced. The change to the company-year basis in 1954 resulted in a drop of 3.6 p.c. in total manufacturing inventories as there is a tendency for many companies whose fiscal year differs from the calendar year to choose a financial year which coincides with comparatively low year-end inventories. Calendar-year inventories for the 1949-1954 period were compiled from a special inventories survey; since 1954, inventory data have been collected on the annual Census of Manufactures as part of the operations of each establishment on its own fiscal year, thereby enabling direct comparisons to be made between inventories and factory shipments.

In addition to providing valuable economic indicators *per se*, inventory data collected on the annual Census of Manufactures constitute an essential element in deriving "value added". Generally, "value added" is computed by subtracting from the value of factory shipments the cost of raw materials, fuel and electricity and the values of opening inventories of goods in process and finished goods, and adding the values of closing inventories of goods in process and finished goods. However, in certain industries still reporting on a production basis, inventory adjustments are made for goods in process only. This means that "value added" cannot be derived in total by using the inventories shown in Table 16 as the latter are all-inclusive, and not confined to those in-

ventories used in deriving "value added". However, in all tables "value added" has been derived by using the appropriate inventory adjustments and the data are aggregative to any desired level.

The introduction of the revised Standard Industrial Classification in 1960 and new establishment concept in 1961 resulted in less disruption to manufacturing inventories than to most other series of principal statistics, the level of total inventories having been lowered 1.1 p.c. and 0.6 p.c. in 1958 and 1959, respectively, the two years for which data have been re-compiled on the new basis. The relatively small change is due essentially to the fact that most of the establishments transferred out of manufacturing with the introduction of the revised S.I.C. were of the type whose inventories were relatively small or predominantly not of own manufacture.

Manufacturing year-end inventory in 1961 amounted to \$4,534.1 million, consisting of \$1,975.4 million of raw materials and supplies, \$916.3 million of goods in process and \$1,642.4 million of finished goods of own manufacture. Slightly more than half of the total inventories were held by establishments in five industrial groups: food and beverage industries, \$695.2 million; primary metal industries, \$545.3 million; paper and allied industries, \$365.5 million; electrical products industries, \$344.3 million; and transportation equipment industries, \$331.1 million. During the year there was an over-all inventory build-up of \$196.2 million or 4.5 p.c. from the revised opening inventory of \$4,337.8 million.

TABLE 15. Book Value of Manufacturing Inventory¹ Owned in Canada, 1949-61

Year-end ²	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total manufacturing inventory
\$'000,000				
1949.....	..	..	..	2,333.0
1950.....	1,448.0	472.0	718.0	2,638.0
1951.....	1,781.0	610.0	999.0	3,390.0
1952.....	1,817.0	568.0	965.0	3,350.0
1953.....	1,830.0	613.0	1,076.0	3,519.0
1954.....	1,592.5	608.6	1,011.1	3,212.2
1955.....	1,670.4	706.4	1,032.2	3,409.0
1956.....	1,827.0	785.8	1,208.7	3,821.5
1957.....	1,973.0	844.9	1,155.1	3,973.0
1958.....	1,814.3	792.9	1,223.6	3,830.8
1959.....	1,926.7	873.0	1,302.3	4,102.0

Basis: Revised Standard Industrial Classification and New Establishment Concept

1958.....	1,825.5	791.0	1,173.4	3,789.9
1959.....	1,904.7	872.8	1,298.2	4,075.7
1960.....	1,971.2	820.6	1,439.5	4,231.3
1961.....	1,975.4	916.3	1,642.4	4,534.1

¹ Exclusive of goods purchased for resale without further processing.² Calendar year-end, 1949-53; company year-end, 1954-61.TABLE 16. Book Value of Manufacturing Inventory¹ Owned in Canada, by Industrial Group, 1961

Industrial group	Raw materials and supplies		Goods in process		Finished goods of own manufacture		Total manufacturing inventory	
	Opening ²	Closing	Opening ²	Closing	Opening ²	Closing	Opening ²	Closing
\$'000								
Food and beverage industries.....	306,700	331,776	148,767	153,663	200,921	209,803	656,388	695,242
Tobacco products industries.....	23,567	29,081	6,248	4,028	105,773	108,561	135,588	141,670
Rubber industries.....	17,087	18,293	7,841	8,658	78,231	71,474	103,159	98,425
Leather industries.....	25,574	28,488	10,434	12,380	21,929	22,983	57,937	63,851
Textile industries.....	64,540	69,582	43,506	45,474	79,596	78,434	187,642	193,490
Knitting mills.....	15,164	15,664	11,948	12,604	22,043	22,021	49,155	50,289
Clothing industries.....	78,184	83,218	18,091	20,314	51,343	55,199	147,618	158,731
Wood industries.....	80,513	77,357	5,980	5,776	95,843	97,755	182,336	180,888
Furniture and fixture industries.....	33,947	36,623	11,731	13,468	14,614	14,461	60,292	64,552
Paper and allied industries.....	267,128	265,543	16,153	17,017	74,417	82,927	357,698	365,487
Printing, publishing and allied industries.....	32,730	34,082	15,700	15,921	11,989	13,190	60,419	63,193
Primary metal industries.....	261,560	274,854	83,702	92,104	163,151	178,366	506,413	545,324
Metal fabricating industries (except machinery and transportation equipment industries).....	153,141	155,801	79,923	83,215	89,596	88,943	322,660	327,959
Machinery industries (except electrical machinery).....	69,407	67,386	63,589	63,437	67,849	68,927	200,845	199,750
Transportation equipment industries.....	109,880	113,391	131,896	157,490	52,373	60,200	294,149	331,081
Electrical products industries.....	85,479	90,624	104,532	118,826	140,325	134,892	330,336	344,342
Non-metallic mineral products industries.....	51,142	52,376	8,760	9,275	50,534	53,421	110,436	115,072
Petroleum and coal products industries.....	58,967	61,210	20,754	21,114	114,984	117,111	194,725	199,435
Chemical and chemical products industries.....	109,049	111,858	35,513	33,693	117,278	124,336	261,840	269,887
Miscellaneous manufacturing industries.....	53,294	58,161	25,580	27,842	37,339	39,408	116,213	125,411
Totals.....	1,897,073	1,975,368	850,648	916,299	1,590,128	1,642,412	4,337,849	4,534,079

¹ Exclusive of goods purchased for resale without further processing.² The opening inventories of the current year may differ from the closing inventories of the previous year due to the receipt of revised data, the inclusion of new establishments, and the removal of establishments which did not operate during the current year.

SECTION C. EMPLOYMENT IN THE MANUFACTURING INDUSTRIES

The three tables in this section contain details on employment of production workers by month and sex—Table 17, for selected years during the period 1929-61, and Tables 18 and 19 by province and industrial group, respectively, for 1961. It should be noted that the 1960 and 1961 data in Table 17 are not directly comparable with those for preceding years because of the introduction of the revised Standard Industrial Classification

in 1960 and the New Establishment Concept in 1961. While monthly employment data prior to 1960 have not been revised to give effect to these changes in classification and concept, revised annual data, as shown in the table below, indicate that the decrease for both male and female employment resulting from these changes was generally less than one per cent in the three years, 1957, 1958 and 1959.

Original and Revised Data, Annual Employment of Production Workers in the Manufacturing Industries, 1957-59¹

Year	Male	Female	Total
1957:			
Original	827,328	217,849	1,045,177
Revised	819,499	215,834	1,035,333
Decrease	7,829	2,015	9,844
1958:			
Original	772,297	209,438	981,735
Revised	764,869	207,599	972,468
Decrease	7,428	1,839	9,267
1959:			
Original	785,971	211,936	997,907
Revised	779,059	209,932	988,991
Decrease	6,912	2,004	8,916

¹ Original data based on 1948 Standard Industrial Classification; revised data, on revised (1960) Standard Industrial Classification and New Establishment Concept.

Other changes in concept and in collection, compilation and estimating procedures introduced over the years are summarized in the following paragraphs.

Beginning with 1949, small establishments with a value of production of \$50,000 or less were generally not required to report employment figures. Monthly and annual estimates were, however, made for these establishments so that the published figures represent total employment figures of both large and small establishments. For 1949 to 1957, various methods of estimation of employment in small establishments were used, the method considered most appropriate in each case being used.

In 1958 the method of estimating monthly employment figures for small establishments was standardized for all industries. For that year, small establishments were required to report the number of production workers employed during the last pay period of May. These May figures were used for each month and added to the monthly employment figures reported by large establishments. It is realized that some distortions were introduced by this procedure since there is some variation in the number employed each month by small establishments. However, the distortion in most cases is probably not significant since, for manufacturing as a whole, the number of production workers employed by small establishments in 1958 was only 4.1 per cent of the estimated total for all establishments. (In 1961 the comparable figure was only 2.8 per cent.)

In 1959 and subsequent years, three types of forms have been used in the Census of Manufactures:

- (a) "long" forms, normally used only for large establishments,
- (b) "medium" forms for medium-sized establishments, and
- (c) "short" forms for small establishments.

Establishments receiving long forms are asked to report employment figures for the last pay period in each month while those receiving medium forms report employment figures for the last pay period in March, June, September and December.

In 1959 and 1960 small establishments were not asked to report employment, the number of employees being estimated on the basis of the 1958 figures and change ratios based on the value of factory shipments. In 1961, small establishments were asked to report the average number employed during the year. As in 1959 and 1960, this number was used in compiling total employment for each month by adding it to the monthly figures reported by large establishments and the quarterly figures reported by medium-sized establishments. In the latter case, figures reported for the last month of each quarter were used for the other two months in the quarter. An example of the calculation of the monthly totals for the three sizes of establishment is shown for the total number of male workers in the January-June, 1961, period in the following table:

Male wage-earners employed by	January	February	March	April	May	June
	number					
Large establishments	645,608	847,880	651,410	659,250	678,548	699,465
Medium-sized establishments	35,099	35,099	35,099	37,099	37,099	37,099
Small establishments	20,410	20,410	20,410	20,410	20,410	20,410
Totals	701,117	703,389	706,919	716,759	736,057	756,974

TABLE 17. Production Workers Employed in the Manufacturing Industries, by Month and Sex,
Selected Years, 1929-61

Month	1929	1933	1939	1943	1949	1954	1959	1960 ¹	1961 ²
All wage-earners									
January	502,644	340,027	490,337	1,023,261	928,077	979,801	958,200	973,284	897,008
February	519,423	347,777	496,160	1,030,878	932,356	985,063	961,473	977,527	900,710
March	536,866	355,888	503,475	1,036,648	937,714	989,350	971,192	978,759	904,140
April	555,711	358,759	509,739	1,033,748	944,307	988,374	984,832	981,242	913,712
May	574,905	377,659	530,864	983,058	961,137	1,000,313	1,010,017	1,002,142	938,771
June	575,693	392,196	531,245	1,058,645	973,324	1,011,718	1,033,078	1,016,519	965,021
July	573,554	393,464	529,575	1,056,975	964,813	1,008,963	1,022,361	999,523	961,564
August	567,022	402,249	543,605	1,067,890	975,114	1,008,332	1,026,519	1,010,863	984,596
September	564,796	410,954	562,355	1,066,595	970,324	1,004,246	1,041,020	1,012,697	989,342
October	553,338	405,757	568,564	1,053,486	951,017	986,369	1,014,283	981,652	969,247
November	527,213	396,384	563,117	1,049,738	934,576	961,505	979,572	963,481	956,273
December	499,993	380,612	544,817	1,021,630	906,851	932,786	960,420	928,027	926,533
Male									
January	397,459	257,445	381,997	751,269	716,005	775,348	755,349	768,168	701,117
February	410,865	260,728	395,955	755,181	719,374	778,646	756,808	771,105	703,389
March	426,713	267,259	391,623	757,702	725,953	782,905	765,495	773,086	706,919
April	443,560	271,348	398,982	755,888	732,908	784,744	779,574	777,897	716,759
May	459,783	285,705	416,963	764,158	747,614	795,664	799,703	794,169	736,057
June	460,294	296,937	417,975	776,003	757,575	804,702	818,892	805,284	756,974
July	459,051	300,329	417,987	779,687	750,579	802,063	807,616	787,544	749,906
August	449,721	302,969	421,895	777,733	747,518	790,269	798,389	787,019	761,490
September	441,510	304,908	431,509	767,043	739,768	781,256	812,915	785,952	761,148
October	432,576	301,315	437,220	754,484	725,853	769,127	796,663	766,201	750,171
November	412,114	294,945	432,920	753,211	715,188	749,863	769,130	752,303	740,628
December	391,903	285,690	422,538	738,073	700,141	736,203	761,545	730,483	723,632
Female									
January	105,185	82,582	108,340	271,992	212,072	204,453	202,851	205,116	195,891
February	108,558	87,049	110,205	275,697	212,982	206,417	204,665	206,422	197,321
March	110,153	88,629	111,852	278,946	211,761	206,445	205,697	205,673	197,221
April	112,142	87,411	110,757	277,860	211,401	203,630	205,258	203,345	196,953
May	115,122	91,954	113,901	218,900	213,523	204,648	210,314	207,973	202,714
June	115,399	95,259	113,270	282,642	215,749	207,016	214,186	211,235	208,047
July	114,503	93,135	111,588	277,288	214,234	206,900	214,745	211,979	211,678
August	117,301	99,260	121,710	290,157	227,596	218,063	228,130	223,644	223,106
September	123,286	106,046	130,846	299,552	230,556	222,990	228,105	226,745	228,194
October	120,762	104,442	131,344	209,002	225,164	217,242	217,620	215,451	219,076
November	115,099	101,439	130,197	296,527	219,388	211,842	210,442	211,178	215,645
December	107,990	94,922	122,279	283,557	206,710	196,583	198,875	197,544	202,901

¹ Based on revised (1960) Standard Industrial Classification; not directly comparable with previous years; see text.² Based on revised (1960) Standard Industrial Classification and New Establishment Concept; not directly comparable with previous years; see text.

TABLE 18. Production Workers Employed in the Manufacturing Industries, by Month, Sex and Province, 1961¹

	Male	Female	Total	Male	Female	Total
	Canada			Newfoundland		
	number					
Large establishments:						
January	645,608	173,371	818,979	5,582	548	6,130
February	647,880	174,801	822,681	5,793	561	6,354
March	651,410	174,701	826,111	5,740	565	6,305
April	659,250	174,022	833,272	5,958	505	6,463
May	678,546	179,783	858,331	6,488	611	7,099
June	699,465	185,116	884,581	8,031	1,058	9,089
July	690,848	185,751	876,599	8,236	1,154	9,390
August	702,432	197,179	899,611	7,654	914	8,568
September	702,090	202,267	904,357	7,793	857	8,650
October	693,810	196,514	890,324	7,048	721	7,769
November	684,267	193,083	877,350	6,596	591	7,187
December	667,271	180,339	847,610	5,680	415	6,095
Medium establishments:						
March	35,099	16,105	51,204	249	143	392
June	37,099	16,516	53,615	288	141	429
September	38,648	19,512	58,160	295	144	439
December	35,951	16,147	52,098	268	143	411
Small establishments:						
Averages	20,410	6,415	26,825	220	48	268
	Prince Edward Island			Nova Scotia		
	number					
Large establishments:						
January	465	80	545	14,336	3,025	17,361
February	476	85	561	14,158	2,894	17,052
March	503	88	591	13,192	2,947	16,139
April	668	130	798	13,606	2,900	16,506
May	931	525	1,456	14,821	3,384	18,205
June	943	587	1,530	16,657	3,603	20,260
July	734	377	1,111	16,742	3,641	20,383
August	802	473	1,275	17,356	3,752	21,108
September	775	405	1,180	16,503	3,495	19,998
October	666	266	932	15,926	3,485	19,411
November	624	187	811	15,134	3,491	18,625
December	501	111	612	14,419	3,098	17,517
Medium establishments:						
March	112	42	154	1,339	150	1,489
June	120	48	168	1,379	155	1,534
September	199	154	353	1,386	153	1,539
December	156	106	262	1,377	147	1,524
Small establishments:						
Averages	97	61	158	906	145	1,051
	New Brunswick			Quebec		
	number					
Large establishments:						
January	11,977	2,121	14,098	201,716	77,364	279,080
February	11,915	2,142	14,057	202,993	78,660	281,653
March	12,093	1,953	14,046	203,472	78,918	282,390
April	12,508	1,835	14,343	205,942	78,219	284,161
May	12,780	3,019	15,799	212,083	79,390	291,473
June	14,414	3,619	18,033	217,111	79,783	296,894
July	14,547	3,255	17,802	216,872	79,777	296,649
August	14,994	4,017	19,011	219,851	83,551	303,402
September	14,465	3,638	18,123	217,945	85,065	303,010
October	14,287	3,119	17,406	216,946	84,454	301,400
November	13,370	2,610	15,980	213,977	83,376	297,353
December	12,640	2,389	15,029	209,340	79,373	288,713
Medium establishments:						
March	1,026	133	1,159	12,456	7,201	19,657
June	1,073	143	1,216	13,271	7,311	20,582
September	1,072	182	1,254	14,032	8,299	22,331
December	1,047	139	1,186	12,763	7,203	19,966
Small establishments:						
Averages	720	128	848	7,181	2,479	9,660

¹ See footnote at end of table.

TABLE 18. Production Workers Employed in the Manufacturing Industries, by Month, Sex and Province, 1961¹ - Concluded

	Male	Female	Total	Male	Female	Total
	Ontario			Manitoba		
	number					
Large establishments:						
January	311,205	75,902	387,107	20,153	6,038	26,191
February	311,370	75,600	386,970	19,857	6,174	26,031
March	312,952	75,260	388,212	20,320	6,092	26,412
April	315,278	75,221	390,499	20,741	6,046	26,787
May	321,980	77,259	399,239	21,454	6,001	27,455
June	328,088	79,026	407,114	22,277	6,229	28,506
July	317,839	79,021	396,860	22,620	6,194	28,814
August	325,361	84,682	410,043	22,464	6,470	28,934
September	331,230	91,136	422,366	22,503	6,552	29,055
October	328,558	87,783	416,341	22,372	6,531	28,903
November	327,177	87,619	414,796	21,563	6,172	27,735
December	321,602	81,131	402,733	20,617	5,692	26,309
Medium establishments:						
March	11,789	5,703	17,492	1,214	1,036	2,250
June	12,353	5,880	18,233	1,293	1,051	2,344
September	13,049	7,396	20,445	1,317	1,042	2,359
December	12,116	7,203	17,913	1,196	1,001	2,197
Small establishments:						
Averages	6,756	2,383	9,139	718	308	1,026
	Saskatchewan			Alberta		
	number					
Large establishments:						
January	5,631	658	6,289	19,340	2,845	22,185
February	5,635	650	6,285	19,330	2,996	22,326
March	5,817	699	6,516	19,658	2,840	22,498
April	5,974	725	6,699	19,777	2,954	22,731
May	6,358	797	7,155	20,552	3,130	23,682
June	6,637	824	7,461	21,484	3,363	24,847
July	6,909	841	7,750	22,003	3,379	25,382
August	6,753	824	7,577	22,165	3,571	25,736
September	6,531	781	7,312	22,071	3,318	25,389
October	6,351	745	7,096	21,358	3,119	24,477
November	6,043	737	6,780	20,623	2,954	23,577
December	5,760	670	6,430	19,641	2,858	22,499
Medium establishments:						
March	629	137	766	1,718	487	2,205
June	895	145	840	1,823	489	2,312
September	692	146	838	1,827	509	2,336
December	638	143	781	1,801	440	2,241
Small establishments:						
Averages	377	94	471	909	233	1,142
	British Columbia			Yukon and Northwest Territories		
	number					
Large establishments:						
January	55,177	4,781	59,958	26	9	35
February	56,326	5,031	61,357	27	8	35
March	57,630	5,331	62,961	33	8	41
April	58,753	5,477	64,230	45	10	55
May	61,048	5,656	66,704	53	11	64
June	63,765	7,012	70,777	58	12	70
July	64,279	8,101	72,380	67	11	78
August	64,959	8,914	73,873	73	11	84
September	62,204	7,010	69,214	50	10	60
October	60,255	6,283	66,538	43	8	51
November	59,124	5,338	64,462	36	8	44
December	57,039	4,594	61,633	32	8	40
Medium establishments:						
March	4,535	1,071	5,606	32	2	34
June	4,772	1,152	5,924	32	1	33
September	4,747	1,486	6,233	32	1	33
December	4,557	1,027	5,584	32	1	33
Small establishments:						
Averages	2,515	529	3,044	11	7	18

¹ Based on revised (1960) Standard Industrial Classification and New Establishment Concept; not directly comparable with previous years.

TABLE 19. Production Workers Employed in the Manufacturing Industries, by Month, Sex and Industrial Group, 1961¹

	Male	Female	Total	Male	Female	Total
	Food and beverage industries			Tobacco products industries		
	number					
Large establishments:						
January	73,735	22,418	96,153	5,735	5,196	10,931
February	73,678	22,778	96,456	5,259	4,827	10,086
March	74,615	22,597	97,212	3,962	4,118	8,080
April	76,687	22,770	99,457	3,126	3,796	6,922
May	82,767	27,285	110,052	3,073	3,750	6,823
June	88,462	30,620	119,082	3,117	3,952	7,069
July	93,291	32,622	125,913	3,084	3,980	7,064
August	93,546	37,733	131,279	3,075	3,790	6,865
September	91,508	38,799	130,307	3,133	3,850	6,983
October	86,100	32,078	118,178	3,097	3,803	6,900
November	82,547	29,993	112,540	3,542	3,901	7,443
December	76,150	23,480	99,630	4,818	4,533	9,351
Medium establishments:						
March	5,606	2,597	8,203	—	—	—
June	6,109	2,938	9,047	—	—	—
September	7,117	5,831	121,498	—	—	—
December	5,866	2,960	8,826	—	—	—
Small establishments:						
Averages	3,372	1,388	4,760	—	—	—
	Rubber industries			Leather industries		
	number					
Large establishments:						
January	10,858	2,668	13,526	12,200	10,455	22,655
February	10,752	2,612	13,364	12,264	10,684	22,948
March	10,749	2,621	13,370	12,351	10,728	23,079
April	11,038	2,720	13,758	12,102	10,371	22,473
May	11,321	2,872	14,193	12,122	10,526	22,648
June	11,563	2,961	14,524	12,300	10,655	22,955
July	11,598	2,885	14,483	12,144	10,780	22,924
August	11,711	2,980	14,691	12,556	11,048	23,604
September	11,855	3,112	14,967	12,547	11,177	23,724
October	11,914	3,185	15,099	12,386	10,982	23,368
November	11,734	3,057	14,791	12,801	11,134	23,935
December	11,464	2,820	14,284	12,470	10,762	23,232
Medium establishments:						
March	—	—	—	2,141	2,092	4,233
June	—	—	—	2,146	2,105	4,251
September	—	—	—	2,200	2,132	4,332
December	—	—	—	2,054	2,115	4,169
Small establishments:						
Averages	—	—	—	61	51	112
	Textile industries			Knitting mills		
	number					
Large establishments:						
January	31,654	15,959	47,613	5,423	11,919	17,342
February	31,681	16,089	47,770	5,484	12,154	17,638
March	31,698	16,097	47,795	5,435	12,121	17,556
April	31,809	16,291	48,100	5,341	11,768	17,109
May	32,223	16,529	48,752	5,386	11,744	17,130
June	32,756	16,697	49,453	5,525	12,041	17,566
July	32,303	16,248	48,551	5,493	11,869	17,362
August	33,110	16,756	49,866	5,722	12,496	18,218
September	33,309	17,211	50,520	5,718	12,845	18,563
October	33,468	17,413	50,881	5,714	12,860	18,574
November	33,565	17,433	50,998	5,840	12,902	18,742
December	33,103	16,781	49,884	5,667	12,431	18,098
Medium establishments:						
March	343	478	821	—	—	—
June	404	550	954	—	—	—
September	391	543	934	—	—	—
December	358	493	851	—	—	—
Small establishments:						
Averages	146	225	373	214	692	906

See footnote at end of table.

TABLE 19. Production Workers Employed in the Manufacturing Industries, by Month, Sex and Industrial Group, 1961¹ - Continued

	Male	Female	Total	Male	Female	Total
	Clothing industries			Wood industries		
	number					
Large establishments:						
January	16,387	47,148	63,535	43,568	2,343	45,911
February	16,764	48,000	64,764	44,282	2,403	46,685
March	16,831	48,265	65,096	45,589	2,441	48,030
April	16,320	47,517	63,837	46,525	2,553	49,078
May	15,941	47,025	62,966	49,942	2,591	52,533
June	16,367	46,992	63,359	52,368	2,641	55,009
July	16,759	46,786	63,545	53,158	2,598	55,756
August	17,228	49,001	66,229	52,889	2,606	55,495
September	17,242	49,985	67,227	50,907	2,545	53,452
October	16,883	49,956	66,839	48,729	2,552	51,281
November	16,309	48,750	65,059	47,320	2,513	49,833
December	16,190	46,794	62,984	45,456	2,380	47,836
Medium establishments:						
March	2,805	7,499	10,304	10,344	159	10,503
June	2,694	7,331	10,025	11,033	171	11,204
September	2,902	7,906	10,808	11,106	172	11,278
December	2,646	7,057	9,703	10,654	170	10,824
Small establishments:						
Averages	383	1,653	2,036	5,791	100	5,891
	Furniture and fixture industries			Paper and allied industries		
	number					
Large establishments:						
January	18,110	2,240	20,350	64,083	6,393	70,476
February	16,053	2,273	20,326	63,597	8,361	69,958
March	18,058	2,265	20,323	63,591	6,667	70,256
April	18,295	2,278	20,573	64,900	6,699	71,599
May	18,603	2,295	20,898	66,622	6,846	73,468
June	18,779	2,292	21,071	68,972	6,972	75,944
July	18,544	2,252	20,796	69,536	6,848	76,382
August	19,236	2,299	21,535	70,030	7,108	77,138
September	19,413	2,402	21,815	69,548	7,239	76,787
October	19,533	2,475	22,008	68,306	7,189	75,495
November	19,318	2,420	21,738	66,927	7,051	73,976
December	18,846	2,321	21,167	66,067	6,683	72,750
Medium establishments:						
March	4,036	462	4,498	849	716	1,565
June	4,296	477	4,773	893	754	1,647
September	4,495	488	4,983	894	672	1,566
December	4,342	481	4,823	905	682	1,587
Small establishments:						
Averages	879	109	988	384	464	848
	Printing, publishing and allied industries			Primary metal industries		
	number					
Large establishments:						
January	27,038	6,750	33,788	65,272	630	65,902
February	27,105	6,593	33,698	65,490	644	66,134
March	27,264	6,658	33,922	66,898	654	67,552
April	27,229	6,661	33,890	67,599	638	68,237
May	27,152	6,733	33,885	69,149	625	69,774
June	27,218	6,780	33,998	70,526	639	71,167
July	26,989	6,883	33,872	69,984	619	70,603
August	27,053	6,898	33,951	71,152	685	71,837
September	27,481	7,122	34,603	70,842	705	71,547
October	27,505	7,039	34,544	69,333	734	70,067
November	27,502	7,012	34,514	67,685	758	68,443
December	27,183	6,811	33,994	66,540	736	67,276
Medium establishments:						
March	4,351	1,146	5,497	—	—	—
June	4,402	1,153	5,555	—	—	—
September	4,357	1,172	5,529	—	—	—
December	4,334	1,169	5,503	—	—	—
Small establishments:						
Averages	3,193	785	3,978	251	16	267

See footnote at end of table.

TABLE 19. Production Workers Employed in the Manufacturing Industries, by Month, Sex and Industrial Group, 1961¹—Continued

	Male	Female	Total	Male	Female	Total
	Metal fabricating industries (except machinery and transportation equipment industries)			Machinery industries (except electrical machinery)		
	number					
Large establishments:						
January	56,451	4,392	60,843	27,101	1,163	28,264
February	56,223	4,313	60,536	27,231	1,178	28,409
March	56,198	4,375	60,573	27,794	1,197	28,991
April	57,439	4,473	61,912	27,995	1,193	29,188
May	58,896	4,547	63,443	27,606	1,190	28,796
June	61,047	4,675	65,722	28,079	1,204	29,283
July	60,833	4,694	65,527	27,293	1,205	28,498
August	61,892	4,815	66,707	24,236	1,239	25,475
September	61,589	4,936	66,525	25,051	1,221	26,272
October	60,465	4,987	65,452	26,183	1,236	27,419
November	59,808	4,997	64,805	26,892	1,230	28,122
December	57,366	4,787	62,155	27,015	1,225	28,240
Medium establishments:						
March	2,260	142	2,402	—	—	—
June	2,568	150	2,718	—	—	—
September	2,656	172	2,828	—	—	—
December	2,379	156	2,535	—	—	—
Small establishments:						
Averages	2,968	187	3,155	—	—	—
	Transportation equipment industries			Electrical products industries		
	number					
Large establishments:						
January	76,992	3,109	80,101	34,878	14,137	49,015
February	78,587	3,017	81,604	35,240	14,158	49,398
March	78,016	3,003	81,019	35,444	14,118	49,562
April	77,949	2,945	80,894	35,677	14,266	49,943
May	79,087	2,933	82,020	38,201	14,782	50,983
June	81,111	2,783	83,894	37,199	15,312	52,511
July	68,981	2,333	71,314	36,732	15,342	52,074
August	76,781	2,784	79,565	37,650	16,033	53,683
September	79,628	3,061	82,689	38,800	16,756	55,556
October	82,421	3,274	85,695	38,830	17,057	55,887
November	83,036	3,278	86,314	38,720	17,243	55,963
December	82,369	3,314	85,683	38,149	16,806	54,955
Medium establishments:						
March	—	—	—	—	—	—
June	—	—	—	—	—	—
September	—	—	—	—	—	—
December	—	—	—	—	—	—
Small establishments:						
Averages	—	—	—	—	—	—
	Non-metallic mineral products industries			Petroleum and coal products industries		
	number					
Large establishments:						
January	23,651	1,741	25,392	7,702	52	7,754
February	23,459	1,767	25,226	7,693	51	7,744
March	23,880	1,825	25,705	7,727	51	7,778
April	25,399	1,937	27,336	7,840	53	7,893
May	27,530	2,051	29,581	7,980	54	8,034
June	28,901	2,124	31,025	8,032	53	8,085
July	29,111	2,084	31,195	8,035	52	8,087
August	29,533	2,220	31,753	7,970	53	8,023
September	28,940	2,009	30,949	7,731	51	7,782
October	28,494	2,151	30,645	7,634	48	7,682
November	26,737	2,115	28,852	7,519	48	7,567
December	25,368	2,117	27,485	7,397	48	7,445
Medium establishments:						
March	461	95	556	—	—	—
June	518	112	630	—	—	—
September	517	104	621	—	—	—
December	480	108	588	—	—	—
Small establishments:						
Averages	1,073	24	1,097	—	—	—

See footnote at end of table.

TABLE 19. Production Workers Employed in the Manufacturing Industries, by Month, Sex and Industrial Group, 1961¹ - Concluded

	Male	Female	Total	Male	Female	Total
	Chemical and chemical products industries			Miscellaneous manufacturing industries		
	number					
Large establishments:						
January	25,128	4,518	29,646	19,642	10,140	29,782
February	25,140	4,697	29,837	19,898	10,202	30,100
March	25,265	4,684	29,949	20,045	10,216	30,261
April	25,809	4,813	30,622	20,171	10,280	30,451
May	26,414	4,898	31,312	20,533	10,507	31,040
June	26,371	5,011	31,382	20,770	10,712	31,482
July	26,452	4,905	31,357	20,528	10,968	31,496
August	26,248	4,910	31,158	20,814	11,725	32,539
September	25,930	5,042	30,972	20,938	12,199	33,137
October	25,848	5,011	30,859	20,967	12,484	33,451
November	25,516	4,886	30,402	20,949	12,362	33,311
December	25,319	4,681	30,000	20,332	10,829	31,161
Medium establishments:						
March	141	57	198	1,762	662	2,424
June	148	56	204	1,888	719	2,607
September	135	55	190	1,878	715	2,593
December	132	42	174	1,801	714	2,515
Small establishments:						
Averages	663	329	992	1,030	392	1,422

¹ Based on revised (1960) Standard Industrial classification and New Establishment Concept; not directly comparable with previous years.

SECTION D. SALARIES AND WAGES IN THE MANUFACTURING INDUSTRIES

Note: Several tables formerly included in this section of previous *General Reviews* (e.g. Subsection 5 of the 1960 *General Review* beginning on page 80) do not appear in this issue because the survey on which they were based was not conducted in 1961 by the Bureau's Labour Division. The tables in the 1960 *General Review* thus affected are numbers 41 to 52 inclusive. For a more detailed account of the coverage of this survey in 1960 and earlier years, see the section "Data Not Available Because of Suspension of Surveys" on page 11 of this review. The survey on earnings and hours of work in larger manufacturing establishments was resumed in 1963, and readers may obtain information on its results by referring to the DBS report *Earnings and Hours of Work in Manufacturing 1963* (Catalogue No. 72-204).

Although the total number of employees in the manufacturing industries declined from 1,275,476 in 1960 to 1,264,946 in 1961, total salaries and wages, at \$5,231,447,000, were 1.6 per cent higher. Average annual salaries for the 295,670 administrative and office employees increased by 2.8 per cent from the revised 1960 figure of \$5,217 to \$5,362 in 1961, while average annual wages for the 969,276 production workers, at \$3,762, were up by 2.5 per cent over the revised 1960 figure of \$3,669. The 1961 averages represented gains of 63 per cent and 55 per cent, respectively, over the averages of \$3,296 and \$2,434 in 1951. The distribution of employment between administrative and office employees and production workers, at 23.4 per cent and 76.6 per cent, respectively, was practically unchanged from 1960.

For administrative and office employees, the highest average salaries in 1961 were realized in Ontario, at \$5,513, followed by British Columbia, at \$5,471, and Quebec, at \$5,336. The petroleum and coal products group continued to pay the highest average salaries, at \$8,728, followed by the paper and allied industries with \$6,316 and the primary metal industries with \$6,266. The lowest average salaries, \$4,350, were realized in the wood industries. Almost half (49.4 per cent) of the male, and over half (52.7 per cent) of the female, administrative and office employees were in Ontario. On an industry basis, the

foods and beverage industries provided employment for the largest numbers of both males and females, at 27,020 and 11,548, respectively.

For production workers, the highest average wages, \$4,919, were paid in the Yukon and Northwest Territories. However, the relatively high wages paid there are not representative because of the small number of workers involved and various inducements necessary to attract workers to industries operating under unusual conditions. Except for this group, the highest average wages were paid to production workers in British Columbia (\$4,260), followed by Ontario (\$4,015), Alberta (\$3,882) and Saskatchewan (\$3,873). In common with administrative and office employees, production workers in the petroleum and coal products industries received the highest average wages of any group, at \$5,551. Other leading groups were the primary metal industries (\$4,991), the paper and allied industries (\$4,635), and the transportation equipment industries (\$4,502).

Ontario had the largest number of male production workers, accounting for 46.4 per cent of the Canadian total, but Quebec had slightly more female production workers. On an industry basis, the food and beverage industries provided employment for the largest number of male production workers, at 114,086, while the clothing industries provided the largest number for females, at 57,212. This latter group, together with the textile industries and knitting mills, provided employment in 1961 for 41 per cent of all female production workers.

The remaining tables in this section provide additional data on salaries and wages: Table 22 on annual salaries and wages in the forty leading industries, ranked by average wages paid to production workers in 1961; and Tables 23 and 24 on the relation of salaries and wages paid to value added, for selected years in the 1917-61 period, and for industrial groups in 1961, respectively. For identification of the forty leading industries, ranked by total salaries and wages paid, see Table 47 in Part IV, Section D.

TABLE 20. Annual Salaries and Wages in the Manufacturing Industries, Selected Years, 1917-61

	Administrative and office employees ¹				Production workers ²			
	Male	Female	Total salaries	Average annual salaries	Male	Female	Total wages	Average annual wages
	number		dollars		number		dollars	
1917	64,918		85,353,667	1,315	541,605		412,448,177	762
1920	78,334		141,837,361	1,811	520,559		575,656,515	1,106
1922	71,586		129,836,831	1,814	384,670		359,560,399	935
1924	54,379	15,641	130,344,822	1,862	322,719	94,871	404,122,853	968
1926 ³	58,245	17,092	142,353,900	1,890	374,244	109,580	483,328,342	999
1929 ³	67,731	21,110	175,553,710	1,976	454,768	122,922	601,737,507	1,042
1930 ³	64,161	20,550	169,992,216	2,007	416,790	113,195	527,563,162	995
1931 ¹	71,198	20,293	172,289,095	1,883	337,636	99,513	415,277,895	950
1932	68,264	18,786	151,355,790	1,739	288,817	92,966	322,245,926	844
1933	67,875	18,761	139,317,946	1,608	287,266	94,756	296,929,878	777
1934	71,963	20,132	148,760,126	1,615	326,598	101,119	355,090,929	830
1935	76,213	21,717	160,455,080	1,638	353,790	104,944	399,012,697	870
1936	81,409	23,008	173,198,057	1,659	379,977	109,965	438,873,377	896
1937	91,092	24,735	195,983,475	1,692	427,285	117,339	525,743,562	965
1938	95,270	25,319	207,386,381	1,719	409,172	112,255	498,282,208	956
1939	98,165	26,607	217,639,334	1,746	415,488	117,854	519,971,819	975
1940	104,267	31,493	241,599,761	1,780	491,439	135,045	679,273,104	1,084
1941	117,251	41,693	286,336,861	1,801	628,825	175,409	978,525,782	1,220
1942	123,125	54,062	334,870,793	1,890	732,319	242,585	1,347,934,049	1,383
1943	128,679	64,516	388,857,505	2,013	762,854	285,019	1,598,434,879	1,525
1944	128,858	65,700	418,065,594	2,171	744,635	285,689	1,611,555,776	1,564
1945	128,601	62,106	417,857,619	2,191	680,620	248,045	1,427,915,830	1,538
1946	127,002	54,004	410,875,776	2,270	662,699	214,451	1,329,811,478	1,516
1947	135,248	55,852	474,693,800	2,484	721,407	219,243	1,611,232,166	1,713
1948	141,038	57,192	532,594,959	2,687	738,721	218,770	1,876,773,231	1,960
1949	157,516	64,035	628,427,937	2,836	732,457	217,199	1,963,462,720	2,067
1950	164,475	66,578	692,633,349	2,998	736,477	215,767	2,078,634,086	2,183
1951	176,943	70,844	616,714,604	3,296	792,394	218,194	2,459,566,313	2,434
1952	188,235	74,792	923,905,251	3,513	810,060	215,295	2,713,714,909	2,647
1953	195,843	78,382	1,016,679,409	3,707	826,363	224,863	2,940,338,939	2,792
1954	199,763	79,173	1,075,101,215	3,854	779,955	209,075	2,821,586,476	2,853
1955	206,881	80,588	1,147,142,086	3,990	796,721	214,271	2,995,267,448	2,963
1956	216,295	65,002	1,272,025,985	4,222	831,336	220,387	3,298,666,205	3,136
1957 ³	220,310	85,305	1,386,236,109	4,536	819,499	215,834	3,391,603,438	3,276
1958 ³	216,238	83,980	1,452,639,112	4,839	764,869	207,599	3,305,975,319	3,400
1959 ³	215,513	83,305	1,512,529,222	5,062	779,059	209,932	3,517,598,977	3,557
1960 ³	219,866	84,000	1,585,379,151	5,217	764,691	206,919	3,565,123,889	3,669
1961 ³	213,798	81,872	1,585,333,662	5,362	758,195	211,061	3,646,113,307	3,762

¹ The increase in the number of office employees in 1931 is due to the following changes in method: 1. Prior to 1931 working proprietors, such as bakers, sawmill operators, small clothing manufacturers, etc., were considered as production workers. In 1931 and subsequent years, however, all such proprietors were considered as office employees. 2. In 1931 travelling salesmen who were attached to the plant, and devoted all or the greater part of their time to selling the products of that plant, were included with office employees. Prior to this they were not reported at all.

² With the exception of changes resulting from the introduction of the revised (1960) Standard Industrial Classification and New Establishment Concept (1957-61), the numbers and average wages of production workers for the years 1931 to 1961 are directly comparable with those for years up to 1925 but not with those for the intervening years. The figures for the latest years, as for the earliest, represent equivalent full-time (12-month) employment. For the period 1925-30, the annual averages were derived by averaging only those months for which employment was reported. However, the difference amounts to only 3 or 4 per cent in the total figures and chiefly affects the seasonal industries.

³ Based on revised (1960) Standard Industrial Classification and New Establishment Concept; not directly comparable with 1958 and earlier years.

TABLE 21. Number of Employees and Annual Total and Average Salaries and Wages in the Manufacturing Industries, by Province and Industrial Group, 1961

Basis: Revised Standard Industrial Classification and New Establishment Concept

Province and group	Administrative and office employees				Production workers			
	Male	Female	Total salaries	Average annual salaries	Male	Female	Total wages	Average annual wages
	number		dollars		number		dollars	
Province								
Newfoundland.....	1,383	307	8,002,591	4,735	7,307	899	27,967,214	3,408
Prince Edward Island.....	294	76	1,194,429	3,228	971	383	3,013,045	2,225
Nova Scotia.....	3,631	1,132	20,311,068	4,264	18,378	3,660	68,608,188	3,113
New Brunswick.....	2,782	975	16,067,044	4,277	15,553	3,133	57,825,324	3,095
Quebec.....	68,960	25,574	504,204,417	5,336	237,958	91,237	1,122,367,772	3,409
Ontario.....	105,535	43,164	819,754,354	5,513	351,838	90,878	1,777,653,895	4,015
Manitoba.....	6,672	2,428	44,065,579	4,842	24,470	7,642	113,236,781	3,526
Saskatchewan.....	2,258	909	14,156,325	4,470	7,910	1,072	34,791,437	3,873
Alberta.....	6,854	2,232	45,414,125	4,998	24,806	4,029	111,934,359	3,882
British Columbia.....	15,406	5,067	112,008,822	5,471	68,916	8,129	328,188,954	4,260
Yukon and Northwest Territories.....	23	8	154,908	4,997	88	19	526,338	4,919
Canada.....	213,798	81,872	1,585,333,662	5,362	758,195	211,081	3,646,113,307	3,762
Industrial group								
Food and beverage industries.....	27,020	11,548	185,512,129	4,810	114,066	36,201	502,483,844	3,343
Tobacco products industries.....	1,007	557	9,070,524	5,800	3,752	4,126	30,083,354	3,819
Rubber industries.....	3,300	1,298	24,226,119	5,269	11,386	2,876	57,777,666	4,051
Leather industries.....	2,550	1,334	18,742,890	4,831	14,569	12,960	70,831,353	2,573
Textile industries.....	8,267	3,784	61,965,813	5,142	33,101	17,392	150,591,976	2,982
Knitting mills.....	1,552	1,140	12,532,781	4,656	5,805	12,962	44,936,601	2,394
Clothing industries.....	6,312	4,383	53,466,318	4,999	19,821	57,212	180,922,161	2,349
Wood industries.....	10,342	2,019	53,768,915	4,350	64,497	2,734	226,561,789	3,347
Furniture and fixture industries.....	4,629	1,633	28,988,091	4,630	23,968	2,923	83,459,582	3,104
Paper and allied industries.....	13,874	4,822	118,078,480	6,316	65,151	8,015	353,060,685	4,635
Printing, publishing and allied industries.....	18,160	10,974	139,940,194	4,797	34,851	8,794	189,960,676	4,307
Primary metal industries.....	14,189	3,217	109,065,905	6,266	69,133	699	348,553,446	4,991
Metal fabricating industries (except machinery and transportation equipment industries).....	17,965	5,971	127,372,439	5,321	65,579	5,096	294,543,505	4,168
Machinery industries (except electrical machinery).....	10,595	3,408	74,608,704	5,328	26,873	1,207	120,997,741	4,309
Transportation equipment industries.....	20,645	5,332	154,476,284	5,947	78,745	2,987	367,994,063	4,502
Electrical products industries.....	20,497	6,524	150,566,765	5,572	36,983	15,527	203,001,314	3,866
Non-metallic mineral products industries.....	6,607	1,870	44,615,733	5,263	29,500	2,151	129,471,453	4,091
Petroleum and coal products industries.....	4,831	1,399	41,915,843	6,728	7,771	52	43,424,021	5,551
Chemical and chemical products industries.....	13,673	6,668	116,724,359	5,738	26,606	5,220	137,279,934	4,313
Miscellaneous manufacturing industries.....	7,783	3,991	59,699,376	5,070	22,568	11,947	112,178,143	3,250

Average Annual Salaries and Wages in the Forty Leading Industries

In ranking manufacturing industries by average annual salaries and wages, a wide range of choices is available, the more obvious being average annual salaries paid to administrative and office workers, average annual wages paid to production and related workers, and average annual salaries and wages paid to all employees. The choice of universe is even wider, including, on the one hand, all industries or, on the other, only those with the highest aggregates in any one of salaries, wages, salaries and wages combined, employment or other principal statistics. Although any of these combinations may be used, Table 22 and the following analysis are restricted to the forty leading industries ranked by average annual wages paid to production workers. As a matter of interest, only 18 of the 40 leading industries ranked by total salaries and wages, to use

only one of many criteria, are included in the leading forty industries when ranked by average annual wages paid to production workers.

In 1961, production workers in the petroleum refining industry retained their position as the highest paid group, averaging \$5,642 as compared with \$5,554 in 1960. Production workers in ten other industries averaged over \$5,000; in 15 others, from \$4,500 to \$4,999; and in 14 others of the 40 leading industries, between \$4,230 and \$4,499. An additional 16 industries averaged between \$4,000 and \$4,229, making 56 industries in all with average annual wages in excess of \$4,000.

The forty leading industries paying the highest annual average wages were dominated by those in the primary metal, metal fabricating, machinery, transportation equipment, electrical products, non-metallic mineral products, petroleum and coal

products, and chemical products groups; i.e., by those capital-intensive industries requiring a generally high degree of technical competence in complex operations. In addition, there were several industries such as engraving and duplicate plates, trade composition or typesetting, printing and publishing, and model and pattern manufacturing employing a high proportion of skilled craftsmen and technicians. Average annual wages paid to production workers in the forty leading industries combined were \$4,805 as compared with \$3,219 in the remaining industries and \$3,762 for all industries. Comparable salaries paid to administrative and office workers were \$5,889, \$4,969 and \$5,362, respectively.

Only 12 of the 31 industries employing 10,000 or more production workers were included in the group of 40 paying the highest average annual wages; 22 of the 40 employed less than 5,000 employees each, of which seven had less than 1,000 each. One characteristic that most of the industries in the group have in common is the relatively small proportion of female production workers. Although there is considerable variation from industry to industry, female employees accounted for only 5.6 per cent of total production workers in this group as against 30.2 per cent for the remaining industries and 21.8 for all industries. Comparable proportions for administrative and office workers were 24.5, 30.1, and 27.7 per cent, respectively.

TABLE 22. Number of Employees and Annual Total and Average Salaries and Wages in the Forty Leading Industries ranked by Average Wages Paid to Production Workers, 1961

Rank	S.I.C. Code	Industry	Administrative and office employees				Production workers			
			Male	Female	Total salaries	Annual average salary	Male	Female	Total wages	Annual average wages
			number		\$'000	\$	number		\$'000	\$
1	3651	Petroleum refining	4,629	1,336	40,497	6,789	7,218	52	41,019	5,642
2	292	Steel pipe and tube mills	532	114	3,924	6,074	2,574	13	13,882	5,366
3	291	Iron and steel mills	4,814	1,213	40,170	6,665	28,344	175	152,942	5,363
4	2871	Engraving and duplicate plates	715	326	6,116	5,876	2,663	398	16,360	5,345
5	323	Motor vehicle manufacturers	4,353	1,190	38,257	6,541	15,799	331	84,681	5,250
6	378	Manufacturers of industrial chemicals	4,211	1,149	33,354	6,222	10,770	61	56,010	5,171
7	373	Manufacturers of plastics and synthetic resins ..	1,045	320	8,416	6,166	1,921	39	10,090	5,148
8	271	Pulp and paper mills	9,587	2,784	83,936	6,785	52,384	1,044	271,234	5,077
9	2872	Trade composition or typesetting	198	66	1,743	6,603	906	17	4,684	5,075
10	341	Cement manufacturers	473	83	3,774	6,788	2,555	2	12,922	5,054
11	295	Smelting and refining	5,135	647	37,416	6,471	23,463	45	118,532	5,042
12	145	Breweries	1,551	457	13,322	6,634	5,576	39	27,560	4,908
13	163	Rubber tire and tube manufacturers	1,432	504	10,772	5,564	5,328	238	27,241	4,894
14	357	Abrasives manufacturers	432	147	3,480	6,012	1,643	93	8,318	4,792
15	376	Manufacturers of soap and cleaning compounds ..	1,246	511	10,572	6,017	1,944	444	11,286	4,726
16	289	Printing and publishing	9,839	5,668	73,948	4,768	13,814	1,960	73,920	4,686
17	318	Office and store machinery manufacturers	707	380	5,640	5,188	1,925	420	10,952	4,670
18	302	Fabricated structural metal industry	3,020	645	21,145	5,770	10,080	44	47,264	4,669
19	297	Copper and alloy rolling, casting and extruding ..	584	147	3,980	5,446	2,695	15	12,492	4,610
20	348	Ready-mix concrete manufacturers	702	181	4,655	5,272	3,177	11	14,679	4,605
21	354	Mineral wool manufacturers	260	82	1,995	5,834	629	—	2,882	4,582
22	321	Aircraft and parts manufacturers	7,001	2,132	54,104	5,924	18,858	395	87,825	4,562
23	325	Motor vehicle parts and accessories manufacturers ..	3,923	999	30,618	6,220	13,800	2,098	72,384	4,552
24	355	Asbestos products manufacturers	326	151	2,758	5,782	1,518	106	7,377	4,543
25	338	Manufacturers of electric wire and cable	1,542	403	10,578	5,438	4,190	213	19,888	4,517
26	3652	Manufacturers of lubricating oils and greases	63	27	484	5,386	186	—	839	4,512
27	143	Distilleries	854	440	7,440	5,749	2,108	921	13,562	4,477
28	311	Agricultural implement industry	2,812	671	18,543	5,324	6,950	54	30,995	4,425
29	305	Wire and wire products manufacturers	2,090	823	16,752	5,750	8,234	848	40,106	4,416
30	336	Manufacturers of electrical industrial equipment ..	4,982	1,481	37,160	5,750	8,324	1,617	43,788	4,404
31	2511	Shingle mills	87	31	557	4,724	1,270	8	5,610	4,390
32	304	Metal stamping, pressing and coating industry ..	3,108	1,268	23,218	5,306	12,651	1,557	61,758	4,347
33	3985	Model and pattern manufacturers	166	68	1,222	5,221	862	96	3,282	4,329
34	296	Aluminum rolling, casting and extruding	1,463	652	12,212	5,774	3,636	142	16,324	4,321
35	369	Other petroleum and coal products industries	139	36	934	5,338	367	—	1,566	4,266
36	343	Lime manufacturers	89	16	504	4,802	720	—	3,065	4,257
37	125	Breakfast cereal manufacturers	190	123	1,715	5,480	775	383	4,914	4,244
38	3791	Manufacturers of printing inks	221	120	1,948	5,714	626	4	2,674	4,244
39	315	Miscellaneous machinery and equipment manufacturers ..	6,755	2,256	48,190	5,348	16,881	718	74,557	4,238
40	1011	Slaughtering and meat packing plants	4,034	1,271	29,299	5,522	15,988	3,782	83,626	4,230
		Totals, forty leading industries	95,310	30,918	743,348	5,889	313,152	18,383	1,593,088	4,805
		Totals, other industries	118,488	50,954	841,986	4,969	445,043	192,696	2,053,025	3,219
		Totals, all industries	213,798	81,872	1,585,334	5,362	758,195	211,081	3,646,113	3,762

TABLE 23. Relation of Salaries and Wages Paid to the Total Value Added by Manufacture, Selected Years, 1917-61

Year	Value added by manufacture ¹	Salaries and wages			Proportion of value added represented by salaries and wages		
		Administrative and office workers	Production workers	Total employees	Administrative and office employees	Production workers	Total employees
		dollars			per cent		
1917	1,281,131,980	85,353,667	412,448,177	497,801,844	6.7	32.2	38.9
1920	1,621,273,348	141,837,361	575,656,515	717,493,876	8.7	35.5	44.2
1921	1,123,694,263	130,094,076	367,305,685	497,399,761	11.6	32.7	44.3
1926	1,305,168,549	142,353,900	483,328,342	625,682,242	10.9	37.0	47.9
1929	1,755,386,937	175,553,710	601,737,507	777,291,217	10.0	34.3	44.3
1933	919,671,181	139,317,946	296,929,878	436,247,824	15.1	32.3	47.4
1937	1,508,924,867	195,983,475	525,743,562	721,727,037	13.0	34.8	47.8
1939	1,531,051,901	217,839,334	519,971,819	737,811,153	14.2	34.0	48.2
1944	4,015,776,010	418,065,594	1,611,555,776	2,029,621,370	10.4	40.2	50.6
1945	3,564,315,899	417,857,619	1,427,915,830	1,845,773,449	11.7	40.1	51.8
1946	3,467,004,980	410,875,776	1,329,811,478	1,740,687,254	11.8	38.4	50.2
1947	4,292,055,802	474,693,800	1,611,232,166	2,085,925,966	11.0	37.6	48.6
1948	4,938,766,981	532,594,959	1,876,773,231	2,409,368,190	10.8	38.0	48.8
1949	5,330,566,434	628,427,937	1,963,462,720	2,591,890,657	11.8	36.8	48.6
1950	5,942,058,229	692,633,349	2,078,634,086	2,771,267,435	11.6	35.0	46.6
1951	6,940,946,783	816,714,604	2,459,566,313	3,276,280,917	11.8	35.4	47.2
1952	7,443,533,199	923,905,251	2,713,714,909	3,637,620,160	12.4	36.5	48.9
1953	7,993,069,351	1,016,679,409	2,940,338,939	3,957,018,348	12.7	36.8	49.5
1954	7,902,124,137	1,075,101,215	2,821,586,476	3,896,687,691	13.6	35.7	49.3
1955	8,753,450,496	1,147,142,086	2,995,267,448	4,142,409,534	13.1	34.2	47.3
1956	9,605,424,579	1,272,025,985	3,298,666,205	4,570,692,190	13.2	34.4	47.6
1957 ¹	..	1,386,236,109	3,391,803,438	4,778,039,547	..	..	..
1958 ¹	9,454,953,713	1,452,639,112	3,305,975,319	4,758,614,431	15.4	35.0	50.3
1959 ¹	10,154,277,148	1,512,529,222	3,517,598,977	5,030,128,199	14.9	34.6	49.5
1960 ¹	10,371,284,023	1,585,379,151	3,565,123,889	5,150,503,040	15.3	34.4	49.6
1961 ¹	10,682,137,680	1,585,333,662	3,646,113,307	5,231,446,969	14.6	34.1	48.9

¹ Based on revised (1960) Standard Industrial Classification and New Establishment Concept; not directly comparable to years prior to 1957.

TABLE 24. Relation of Salaries and Wages Paid to the Value Added by Manufacture, by Industrial Group, 1961

Industrial group	Value added by manufacture	Salaries and wages			Proportion of value added represented by salaries and wages		
		Administrative and office employees	Production workers	Total employees	Administrative and office employees	Production workers	Total employees
		dollars			per cent		
Food and beverage industries	1,704,714,596	185,512,129	502,483,844	687,995,973	10.9	29.5	40.4
Tobacco products industries	128,639,932	9,070,524	30,083,354	39,153,878	7.1	23.3	30.4
Rubber industries	171,593,527	24,226,119	57,777,666	82,003,785	14.1	33.7	47.8
Leather industries	140,387,914	18,742,890	70,831,353	89,574,243	13.4	50.4	63.8
Textile industries	392,688,681	61,965,813	150,591,976	212,557,789	15.8	38.3	54.1
Knitting mills	100,641,407	12,532,781	44,936,601	57,469,382	12.5	44.6	57.1
Clothing industries	377,072,432	53,466,318	180,922,161	234,388,479	14.2	48.0	62.2
Wood industries	431,372,733	53,768,915	226,561,789	280,330,704	12.5	52.5	65.0
Furniture and fixture industries	185,102,995	28,986,091	83,459,582	112,445,673	15.6	45.1	60.7
Paper and allied industries	1,071,316,186	118,076,480	353,060,685	471,137,165	11.0	33.0	44.0
Printing, publishing and allied industries	591,099,208	139,940,194	187,960,676	327,900,870	23.7	31.8	55.5
Primary metal industries	1,129,978,204	109,065,905	348,553,446	457,619,351	9.7	30.8	40.5
Metal fabricating industries (except machinery and transportation equipment industries)	739,018,830	127,372,439	294,543,505	421,915,944	17.2	39.9	57.1
Machinery industries (except electrical machinery)	329,763,583	74,608,704	120,997,741	195,606,445	22.6	36.7	59.3
Transportation equipment industries	828,669,699	154,476,284	367,994,063	522,470,347	18.6	44.4	63.0
Electrical products industries	617,534,041	150,566,765	203,001,314	353,568,079	24.4	32.9	57.3
Non-metallic mineral products industries	381,393,965	44,615,733	129,471,453	174,087,186	11.7	33.9	45.6
Petroleum and coal products industries	290,698,500	41,915,843	43,424,021	85,339,864	14.4	14.9	29.3
Chemical and chemical products industries	760,927,799	116,724,359	137,279,934	254,004,293	15.3	18.1	33.4
Miscellaneous manufacturing industries	309,523,448	59,699,376	112,178,143	171,877,519	19.3	36.2	55.5
Totals	10,882,137,680	1,585,333,662	3,646,113,307	5,231,446,969	14.8	34.1	48.9

SECTION E. FUEL AND ELECTRICAL ENERGY CONSUMPTION

Establishments in the manufacturing industries are asked to report varying amounts of detail on volumes and cost of fuel and electricity used in their operations. Large establishments (reporting on "long" forms) are asked to give details on each of the various types of fuel shown in Tables 27 and 28; medium-sized establishments (reporting on "medium" forms) are asked to report separately only the total cost of fuel and electricity;

while small establishments (reporting on "short" forms) have not been asked to report any information on fuel and electricity since 1958. For this latter group of establishments, estimates of the total cost of fuel and of electricity in 1961 have been made on the basis of the cost of fuel and electricity reported in 1958 by small establishments, adjusted for changes in the selling value of factory shipments from 1958 to 1961. No attempt

has been made to break down this estimated cost of fuel and electricity into its component parts nor, because of the complexity of rate structures, has an attempt been made to estimate the kilowatt-hour consumption of electricity by medium-sized establishments. This means that, for 1961, the only data available on quantities and cost of individual fuels and of electricity are those reported by large establishments.

Other, and more significant, breaks in continuity have been introduced by the implementation in 1960 of the revised Standard Industrial Classification and, in 1961, of the New Establishment Concept. It has not been possible to convert data on individual items of fuel and electricity to this new basis for years prior to 1961. Consequently, the data on costs and quantities of individual types of fuel and of electricity for 1960 and previous years in Tables 27 and 28 are not directly comparable to those for 1961 in the same tables. However, the total cost of fuel and electricity for 1957-60, by province and industrial group as shown in the right-hand section of Table 25, are directly comparable with 1961. The originally published data for individual provinces for the 1957-59 period, on the unrevised (1948) Standard Industrial Classification and old establishment concept, are shown in the same table to provide an indication of the extent of the changes resulting from the introduction of the new classification and concept. Two of the more significant results of these changes occurred in petroleum refineries and the smelting and refining industries. In the former, the revised Standard Industrial Classification resulted in the transfer of gas processing plants from the manufacturing to the mining sector. In addition, a change in the method of reporting by refineries resulted in the exclusion of products of own manufacture from the fuel and electricity section of the annual Census of Manufactures. The combined effect of changes in classification and in valuation of products for petroleum refineries resulted in substantial apparent reductions in the value of purchased fuel and electricity in this industry as shown below:

	Original	Revised	Change
	dollars		
1957	52,398,000	7,035,000	- 45,363,000
1958	57,052,000	7,573,000	- 49,479,000

In the smelting and refining industry, the implementation of the new establishment concept in 1961 resulted in the inclusion of certain power-generating facilities as part of the manufacturing establishment. Prior to 1961, electricity obtained from these facilities was reported as "purchased". The apparent decrease in purchased electricity in 1961 as shown in Table 28 is largely offset by an apparent increase in electricity generated for own use. The effects of this change, as well as those resulting from the revised Standard Industrial Classification, are shown in the following original and revised costs of purchased fuel and electricity in the smelting and refining industry for 1957 to 1959:

TABLE 25. Cost of Purchased Fuel and Electricity Used by the Manufacturing Industries, by Province and Industrial Group, 1957-61¹

Province or industrial group	Basis unrevised (1948) Standard Industrial Classification			Basis revised (1960) Standard Industrial Classification and New Establishment Concept				
	1957	1958	1959	1957	1958	1959	1960	1961
	\$'000							
Province								
Newfoundland	7,353	6,903	6,520	7,268	6,864	6,509	6,783	7,064
Prince Edward Island	409	419	455	388	397	439	460	463
Nova Scotia	16,057	14,055	14,039	10,146	8,959	8,795	9,839	10,012
New Brunswick	14,136	13,162	14,014	14,036	13,089	13,856	15,032	15,415
Quebec	187,181	183,378	179,721	149,420	147,264	149,423	152,372	157,136
Ontario	248,826	241,900	262,110	221,536	215,498	232,025	235,718	236,710
Manitoba	13,895	12,909	14,019	11,833	10,832	11,925	12,107	16,244
Saskatchewan	9,031	8,945	9,635	6,345	6,784	7,103	7,320	7,660
Alberta	15,844	16,705	17,961	13,116	14,054	15,357	16,307	17,271
British Columbia	44,399	50,557	50,234	41,321	46,856	46,586	47,992	47,358
Yukon and Northwest Territories	179	376	173	41	31	51	49	52
Totals	555,312	549,309	568,880	475,450	470,608	492,048	503,978	515,385

See footnote at end of table.

	Original	Revised	Change
	dollars		
1957	59,475,000	42,735,000	- 16,740,000
1958	63,522,000	43,868,000	- 19,654,000
1959	62,320,000	47,341,000	- 14,979,000

The combined effect of changes in classification and in reporting procedures in these two industries alone accounts for \$62,103,000 or almost 78 per cent of the apparent decrease of \$79,862,000 in the cost of purchased fuel and electricity in 1957 from the originally published data to those compiled on the basis of the revised (1960) Standard Industrial Classification and New Establishment Concept. The differences for 1958 and 1959 were similar in cause and size to those of 1957. Data for 1960 have been omitted from the left-hand section of Table 25 as they represent a transitional phase based on the revised Standard Industrial Classification and old establishment concept.

The total cost of purchased fuel and electricity used by the manufacturing industries in 1961, at \$515,385,000, was up 2.3 per cent over the revised 1960 total of \$503,987,000. Table 26 shows that regional utilization closely paralleled the geographic distribution of factory shipments, with Ontario accounting for \$236,710,000 or 45.9 per cent; Quebec, \$157,136,000 or 30.5 per cent and British Columbia, \$47,358,000 or 9.2 per cent. On an industrial group basis, the paper and allied industries accounted for the largest share, \$122,289,000 or 23.7 per cent, followed by primary metal industries with \$87,898,000 or 17.1 per cent, food and beverage industries, \$70,226,000 or 13.6 per cent; chemical and chemical products industries, \$54,694,000 or 10.6 per cent and the non-metallic mineral products industries, \$46,501,000 or 9.0 per cent.

Tables 27 and 28 show the values and quantities of purchased fuel and electricity used in 1961 by large establishments which reported \$491,488,000 or 95.4 per cent of the total for all establishments. Of this total, fuel accounted for \$272,332,000 or 55.4 per cent and electricity, \$219,156,000 or 44.6 per cent. Expenditures on electricity represented utilization of 39,459,800,000 kwh. In addition, 18,991,600,000 kwh were generated for own use, making total utilization by large establishments of 58,451,400,000 kwh. As explained above, the apparent decrease in purchased electricity and the apparent increase in electricity generated for own use results from a change in reporting procedure whereby certain power-generating facilities are now considered part of manufacturing establishments. Total electrical energy consumption (electricity purchased plus that generated for own use) was dominated by three industrial groups—the primary metal industries with 21,104,400,000 kwh or 36.1 per cent, the paper and allied industries with 21,001,700,000 kwh or 35.9 per cent, and the chemical and chemical products industries with 6,207,800,000 kwh or 10.6 per cent. On a provincial basis, Quebec accounted for just over 50 per cent, with 29,608,400,000 kwh; Ontario for 26.1 per cent with 15,239,900,000 kwh, and British Columbia for 14.5 per cent with 8,469,900,000 kwh.

TABLE 25. Cost of Purchased Fuel and Electricity Used by the Manufacturing Industries, by Province and Industrial Group, 1957-61¹ - Concluded

Province or industrial group	Basis unrevised (1948) Standard Industrial Classification			Basis revised (1960) Standard Industrial Classification and New Establishment Concept				
	1957	1958	1959	1957	1958	1959	1960	1961
\$'000								
Industrial group								
Food and beverage industries	66,405	66,577	67,467	68,443	70,226
Tobacco products industries	845	901	903	975	1,035
Rubber industries	5,006	5,034	5,425	5,223	5,276
Leather industries	2,371	2,319	2,284	2,251	2,274
Textile industries	15,217	14,631	14,806	14,672	15,113
Knitting mills	2,014	1,897	1,943	1,790	1,927
Clothing industries	3,168	2,973	2,908	2,960	3,019
Wood industries	15,666	16,581	17,174	17,743	20,340
Furniture and fixture industries	3,774	3,670	3,831	3,800	3,907
Paper and allied industries	113,321	110,532	113,780	116,088	122,289
Printing, publishing and allied industries	5,833	5,780	5,941	6,329	6,550
Primary metal industries	78,934	73,666	82,914	88,096	87,898
Metal fabricating industries (except machinery and transportation equipment industries)	18,405	17,445	18,727	18,675	18,960
Machinery industries (except electrical machinery)	6,058	6,214	7,096	6,846	6,860
Transportation equipment industries	22,560	21,060	20,458	20,768	20,124
Electrical products industries	11,022	10,494	11,525	11,695	11,336
Non-metallic mineral products industries	48,997	49,007	48,921	47,092	46,501
Petroleum and coal products industries	8,445	8,672	9,950	9,556	11,351
Chemical and chemical products industries	42,525	48,276	50,870	55,702	54,694
Miscellaneous manufacturing industries	4,882	4,877	5,125	5,275	5,705

¹ See accompanying text for explanation of differences in costs resulting from implementation of the revised (1960) Standard Industrial Classification and New Establishment Concept.

TABLE 26. Cost of Purchased Fuel and Electricity Used by the Manufacturing Industries, by Size of Establishment, Province and Industrial Group, 1961

Province or industrial group	Cost of purchased fuel		Cost of purchased electricity		Total cost of purchased fuel and electricity	
	Large establishments	Medium establishments	Large establishments	Medium establishments	Small establishments ¹	All establishments
dollars						
Province						
Newfoundland	3,934,337	67,141	2,926,300	49,259	87,007	7,064,044
Prince Edward Island	188,219	43,687	127,746	22,604	80,762	463,018
Nova Scotia	8,153,891	139,335	3,134,200	75,163	509,037	10,011,628
New Brunswick	10,526,518	144,486	4,245,780	58,660	439,962	15,415,406
Quebec	69,496,412	2,124,881	80,067,825	1,462,538	3,984,304	157,135,960
Ontario	137,043,558	2,731,703	90,270,104	1,487,801	5,176,365	236,709,531
Manitoba	6,826,978	223,937	8,449,997	169,261	573,794	16,243,967
Saskatchewan	3,582,621	149,409	3,506,757	77,090	342,335	7,660,412
Alberta	10,136,645	252,570	6,044,696	165,880	651,704	17,271,495
British Columbia	24,408,479	454,224	20,380,285	475,133	1,639,450	47,357,571
Yukon and Northwest Territories	34,024	2,268	—	1,020	14,413	51,725
Canada	272,331,882	6,333,641	219,155,690	4,064,409	13,499,133	515,384,755
Industrial group						
Food and beverage industries	43,235,817	2,917,080	17,044,934	1,265,946	5,782,286	70,226,063
Tobacco products industries	508,636	—	518,531	—	10,035	1,035,202
Rubber industries	2,526,872	60,749	2,627,432	41,960	19,034	5,276,047
Leather industries	1,115,769	108,921	876,965	118,933	53,398	2,273,986
Textile industries	8,187,360	190,904	6,445,433	88,664	220,994	15,113,355
Knitting mills	1,070,038	—	759,403	—	97,463	1,928,924
Clothing industries	1,031,348	223,676	1,340,562	289,167	134,207	3,018,960
Wood industries	9,306,360	460,731	8,177,460	513,804	1,881,191	20,339,546
Furniture and fixture industries	1,446,160	427,884	1,425,799	343,360	263,778	3,906,981
Paper and allied industries	59,528,916	172,594	62,328,070	137,376	122,534	122,289,492
Printing, publishing and allied industries	2,199,640	403,501	2,628,248	474,198	844,046	6,549,633
Primary metal industries	47,463,827	—	39,990,665	—	443,510	87,898,002
Metal fabricating industries (except machinery and transportation equipment industries)	9,654,762	484,556	7,193,764	333,374	1,293,214	18,959,670
Machinery industries (except electrical machinery)	3,551,255	—	2,864,783	—	444,222	6,860,260
Transportation equipment industries	11,213,821	5,538	8,502,850	8,113	393,355	20,123,675
Electrical products industries	5,194,177	—	5,825,086	—	317,146	11,336,389
Non-metallic mineral products industries	30,779,945	535,367	14,429,418	186,401	569,808	46,500,939
Petroleum and coal products industries	3,028,652	—	8,322,550	—	—	11,351,202
Chemical and chemical products industries	28,895,515	59,770	25,446,067	20,884	271,580	54,693,816
Miscellaneous manufacturing industries	2,413,010	282,372	2,409,690	242,229	357,312	5,704,613

¹ Estimated. Small establishments have not been required to report the cost of fuel and electricity since 1958; data for 1961 have been estimated on the basis of the cost of fuel and electricity reported in 1958 by small establishments, adjusted for changes in the selling value of factory shipments of these establishments from 1958 to 1961. No attempt has been made to break down this estimated cost of fuel and electricity into its component parts.

**TABLE 27. Value of Fuel and Electricity Used in the Manufacturing Industries, Selected Years, 1928-60
and by Province and Industrial Group, 1961¹**

No.	Year, province and group	Coal					Coke	Gasoline
		Bituminous			Anthracite	Lignite		
		Canadian	Imported	Sub-bituminous				
		dollars						
1	1926 ²	34,500,291		"	2,173,178	533,928	4,157,935	692,404
2	1929 ³	15,832,290	21,754,377	"	1,844,736	707,058	2,332,823	430,258
3	1933 ³	7,571,912	10,770,107	"	1,033,154	522,626	1,574,426	254,511
4	1937 ⁴	15,648,467	16,255,262	"	1,253,376	759,600	5,169,524	799,060
5	1939	15,744,444	13,386,496	"	1,151,276	740,593	4,670,875	1,208,131
6	1944	19,785,479	55,667,410	"	2,231,277	1,522,417	7,909,168	7,278,337
7	1946	17,633,047	48,211,575	425,020	1,812,744	1,442,277	6,884,833	8,425,416
8	1948	28,160,528	73,315,170	440,737	2,274,727	1,598,940	9,575,838	13,442,363
9	1953 ⁷	34,503,085	68,523,205	615,660	2,629,506	2,241,781	9,622,024	22,692,625
10	1956	43,191,404	65,520,769	755,330	2,721,907	2,140,733	12,452,676	35,577,464
11	1957	41,506,544	67,915,652	1,085,186	2,574,981	2,622,995	11,691,402	40,279,425
12	1958 ⁹	36,950,331	60,092,837	432,289	2,035,215	2,561,181	10,736,162	36,494,621
13	1959 ¹⁰	37,123,634	50,662,406	266,835	2,282,010	1,603,976	11,418,112	32,689,208
14	1960 ¹⁰	33,713,674	45,535,937	222,938	2,540,689	1,396,707	10,407,340	32,961,616
Province								
15	Newfoundland	41,691	"	—	7,892	—	4,500	189,441
16	Prince Edward Island	13,321	—	—	—	—	"	73,938
17	Nova Scotia	1,468,190	—	—	"	—	93,953	998,394
18	New Brunswick	5,062,221	"	—	"	—	2,680	861,158
19	Quebec	15,075,905	4,011,056	35,806	2,031,488	—	215,231	8,378,801
20	Ontario	8,909,682	36,589,376	120,080	572,734	41,349	5,291,921	15,282,463
21	Manitoba	487,019	73,443	41,103	4,157	1,106,215	32,150	1,293,508
22	Saskatchewan	1,556,670	—	5,641	"	14,007	"	718,221
23	Alberta	870	"	108,500	—	—	"	1,569,373
24	British Columbia	1,116,755	9,001	21,969	"	—	1,189,882	3,665,643
25	Yukon and Northwest Territories	—	—	—	—	—	—	3,197
26	Totals, 1961 ¹⁰	33,732,324	40,684,714	333,099	2,625,259	1,161,571	6,854,766	33,032,135
Industrial group								
27	Food and beverage industries	1,536,993	4,364,327	108,441	219,031	389,879	126,921	15,373,714
28	Tobacco products industries	3,135	84,362	—	17,281	—	"	29,572
29	Rubber industries	63,611	1,439,802	—	10,214	—	—	106,332
30	Leather industries	104,974	508,191	—	3,168	—	—	77,449
31	Textile industries	1,411,020	1,090,691	35,940	107,069	"	21,493	319,200
32	Knitting mills	86,914	367,219	—	"	—	—	53,376
33	Clothing industries	34,864	92,558	—	"	"	5,030	303,377
34	Wood industries	187,461	61,203	18,854	6,651	6,849	1,350	4,227,980
35	Furniture and fixture industries	84,272	253,984	"	15,364	4,245	"	457,833
36	Paper and allied industries	17,322,402	5,637,772	—	6,000	459,366	—	867,040
37	Printing, publishing and allied industries	57,238	104,071	9,396	7,963	"	2,279	722,703
38	Primary metal industries	7,331,558	5,040,952	104,328	1,952,203	—	6,317,800	732,539
39	Metal fabricating industries (except machinery, and transportation equipment)	330,963	707,584	2,414	39,612	19,855	26,609	1,963,649
40	Machinery industries (except electrical machinery)	154,260	707,616	2,606	34,856	1,557	43,659	470,609
41	Transportation equipment industries	652,570	3,897,936	8,287	79,491	172,393	141,125	1,482,991
42	Electrical products industries	169,687	948,188	7,422	19,210	3,429	2,032	494,733
43	Non-metallic mineral products industries	3,276,198	6,139,250	27,870	47,631	94,260	77,749	3,663,947
44	Petroleum and coal products industries	—	5,971	5,362	—	—	—	51,660
45	Chemical and chemical products industries	813,025	6,769,123	"	38,354	3,394	78,960	1,007,137
46	Miscellaneous manufacturing industries	111,159	463,914	"	14,376	2,640	7,878	624,094

¹ Values for 1961 not directly comparable with those for previous years; see text, page 102.

² For 1928, 1929 and 1933, fuel and electricity used by "Dyeing, cleaning and laundry work" and by "Central electric stations" have been deducted from the totals in order to make the series comparable.

³ Included with "Other fuel".

⁴ Includes manufactured and natural gas.

⁵ Not collected.

⁶ Electricity purchased for metallurgical purposes in the "Non-ferrous metal smelting and refining" industry included for the first time.

⁷ Newfoundland included in this and subsequent years; also for 1949-52 in tables for those years.

TABLE 27. Values of Fuel and Electricity Used in the Manufacturing Industries, Selected Years, 1926-60 and by Province and Industrial Group, 1961¹

Fuel oil	Wood	Gas			Steam purchased	Other fuel	Total cost of fuel	Electricity		No.
		Liquified petroleum	Other manufactured	Natural				Purchased	Generated for sale	
dollars										
7,102,676	2,533,424	—	4,182,186 ⁴		3	804,478	56,680,500	26,235,597	3	1
117,874,831	2,604,803	—	5,218,678	905,039	3	861,048	60,365,941	37,775,877	904,791	2
4,566,630	1,635,716	—	4,097,925	729,385	3	766,951	33,523,342	33,092,334	36,393	3
8,580,369	1,636,098	—	6,148,643	1,256,276	3	2,068,361	59,575,036	50,032,810	288,842	4
8,560,418	1,582,119	—	6,506,782	1,385,110	3	1,946,885	57,063,131	50,509,121	405,690	5
21,822,975	2,340,460	—	13,779,303	3,110,803	3	2,436,141	137,883,770	87,699,383	1,219,086	6
23,872,464	2,189,271	—	12,086,381	1,881,984	3	2,314,606	127,179,620	83,273,105	1,589,447	7
50,987,211	1,991,384	—	20,507,352	2,080,617	3	4,688,972	209,063,839	94,475,355	887,402	8
77,034,810	1,388,108	1,585,671	27,642,079	4,671,710	3	5,882,231	259,212,493	152,576,328 ⁵	2,486,054 ⁶	9
113,467,139	1,083,646	2,516,160	32,653,222	9,875,877	3	11,546,581	333,304,628	190,638,078	2,400,304	10
121,970,826	994,740	2,467,645	37,855,107	13,115,005	3	11,404,409	355,483,917	199,827,871	2,218,022	11
107,355,107	942,856	2,941,900	34,052,063	20,374,779	8,276,110	4,910,289	328,155,960	211,163,612	2,534,714	12
104,909,283	755,564	5,622,041	33,354,443	31,599,347	9,867,674	3,762,615	326,117,148	216,010,227	2,639,524	13
103,384,937	710,155	2,717,012	21,071,768	39,854,287	10,899,817	3,487,221	308,906,298	226,937,396	2,578,999	14
3,684,968	"	3,196	—	—	1,050	—	3,934,337	2,926,300	21,908	15
95,273	2,525	2,189	—	—	—	"	188,219	127,746	—	16
3,246,453	23,011	36,083	"	—	241,335	23,242	6,153,891	3,134,200	25,976	17
4,145,983	77,209	227,329	—	3,168	94,822	51,391	10,526,518	4,245,780	918,387	18
29,493,436	277,804	831,479	158,150	6,087,550	2,518,889	392,817	69,496,412	80,067,825	855,735	19
31,920,354	238,783	1,039,886	4,122,875	27,725,186	4,358,309	830,760	137,043,558	90,270,104	1,047,869	20
2,113,522	24,489	44,534	—	1,522,953	74,440	9,467	6,826,978	8,449,997	—	21
213,848	"	39,369	—	986,767	35,901	"	3,582,821	3,508,757	—	22
418,273	—	18,473	—	7,860,294	57,930	59,855	10,136,645	6,044,696	"	23
11,704,920	40,687	285,089	"	3,861,032	822,294	1,688,640	24,408,479	20,380,285	183,201	24
16,848	—	—	—	13,979	—	—	34,024	—	"	25
87,953,878	688,913	2,527,627	4,318,067	48,060,929	8,204,970	3,055,630	272,331,882	219,155,690	3,056,526	26
13,101,853	143,897	489,034	50,909	6,329,102	901,821	99,895	43,235,817	17,044,934	"	27
315,706	"	7,658	—	22,575	28,103	—	508,636	516,531	—	28
552,741	1,000	4,569	10,842	137,597	198,164	—	2,526,872	2,627,432	—	29
324,735	2,329	2,719	2,674	73,917	14,047	1,566	1,115,769	876,965	—	30
4,128,070	"	131,501	29,612	400,971	417,731	71,883	8,167,360	6,445,433	—	31
438,821	—	5,580	"	44,295	53,652	17,487	1,070,038	759,403	—	32
386,791	"	15,119	"	71,628	109,127	4,572	1,031,348	1,340,562	—	33
3,348,562	170,977	214,484	3,078	308,290	495,010	255,613	9,306,360	8,177,460	104,857	34
370,968	45,368	6,488	—	182,471	8,170	14,502	1,446,180	1,425,799	—	35
21,837,562	58,317	440,550	128,784	9,932,143	1,230,513	1,810,469	59,528,918	62,328,070	2,698,668	36
831,501	"	26,675	8,134	325,947	100,737	613	2,199,640	2,628,248	"	37
18,120,821	53,718	181,393	277,066	7,301,233	25,536	24,880	47,463,827	39,990,665	238,750	38
2,971,021	10,276	294,205	41,890	2,993,323	242,757	10,756	9,654,762	7,193,764	—	39
1,239,019	2,146	45,556	22,787	759,414	66,162	788	3,551,255	2,864,783	—	40
2,743,157	9,140	174,394	47,561	1,469,338	208,698	126,740	11,213,821	8,502,850	—	41
2,030,992	—	150,342	12,249	1,009,643	209,585	136,685	5,194,177	5,825,066	—	42
8,704,300	183,516	208,815	17,212	8,002,131	316,033	21,033	30,779,945	14,429,418	—	43
156,043	—	1,518	—	2,515,917	254,876	37,105	3,028,652	8,322,550	"	44
4,863,144	"	66,245	3,651,590	5,885,128	3,306,955	410,297	28,895,515	25,446,067	8,497	45
788,071	"	60,782	12,917	295,866	17,293	10,746	2,413,010	2,409,690	—	46

¹ Exclusive of the "Butter and cheese industry" in the province of Quebec.² Includes only establishments with selling values of factory shipments of \$100,000 or over; these establishments reported over 98 per cent of the total value of fuel used by the manufacturing industries of Canada in 1958.³ Includes only large establishments which for most industries refer to establishments with shipments of \$500,000 or over and which in total accounted for 95.4 per cent of the total cost of purchased fuel and electricity used in 1961. For details of the cost of fuel and electricity used by small and medium-sized establishments in 1961 see Table 26.⁴ Included in the total.

TABLE 28. Quantities of Fuel and Electricity used in the Manufacturing Industries, Selected Years, 1926-60 and by Province and Industrial Group, 1961¹

No.	Year, province and group	Coal					Coke	Gasoline
		Bituminous			Anthracite	Lignite		
		Canadian	Imported	Sub-bituminous				
		short tons						Imp. gal.
1	1926 ²	5,776,719		"	283,678	146,098	475,232	2,386,916
2	1929 ³	2,816,122	3,943,007	"	255,700	164,544	380,432	1,717,560
3	1933 ³	1,499,715	2,026,083	"	145,017	158,437	268,811	1,079,807
4	1937 ⁶	2,907,671	2,828,519	"	173,993	265,440	657,994	3,665,243
5	1939	2,893,613	2,262,378	"	167,465	238,698	596,077	5,306,656
6	1944	2,538,345	7,336,983	"	228,795	421,351	803,179	24,114,057
7	1946	2,208,110	5,794,992	70,450	179,139	394,689	691,152	27,537,378
8	1948	2,869,674	7,468,497	65,449	194,211	378,904	768,240	39,861,137
9	1953 ⁷	3,180,027	6,811,887	77,382	195,261	466,994	673,896	64,521,694
10	1956	3,818,961	6,167,119	88,956	203,322	449,001	756,747	97,915,150
11	1957	3,497,154	6,197,815	105,719	181,589	535,711	659,915	108,361,743
12	1958 ⁹	3,084,166	5,457,181	53,130	144,345	523,817	688,375	99,653,898
13	1959 ¹⁰	3,240,064	4,645,581	42,169	172,353	339,208	761,036	92,652,124
14	1960 ¹⁰	3,058,866	4,356,360	33,577	198,659	305,968	731,858	94,864,704
Province								
15	Newfoundland	1,881	¹¹	—	238	—	100	393,928
16	Prince Edward Island.....	752	—	—	—	—	¹¹	185,019
17	Nova Scotia	121,054	—	—	¹¹	—	6,335	2,336,829
18	New Brunswick	456,910	¹¹	—	¹¹	—	135	2,107,611
19	Quebec	1,358,160	310,996	2,200	159,424	—	10,131	22,637,965
20	Ontario	908,253	3,504,067	10,633	41,442	2,827	244,841	45,420,557
21	Manitoba	35,337	4,312	4,722	226	270,761	2,392	3,632,102
22	Saskatchewan	109,845	—	657	¹¹	1,978	¹¹	1,998,524
23	Alberta	134	¹²	21,248	—	—	¹¹	4,364,432
24	British Columbia	121,505	686	1,599	¹¹	—	62,649	10,413,790
25	Yukon and Northwest Territories	—	—	—	—	—	—	—
26	Totals, 1961 ¹⁰	3,113,831	3,820,128	41,059	202,188	275,586	329,637	93,490,757
Industrial group								
27	Food and beverage industries.....	117,592	389,088	20,710	14,193	71,314	5,832	45,596,700
28	Tobacco products industries.....	182	6,445	—	1,207	—	¹¹	76,154
29	Rubber industries	5,948	133,910	—	651	—	—	309,873
30	Leather industries	7,378	42,497	—	183	—	—	191,269
31	Textile industries.....	125,447	85,747	2,780	8,363	¹¹	2,204	822,864
32	Knitting mills	7,442	28,293	—	¹¹	—	—	125,242
33	Clothing industries	2,341	7,173	—	¹¹	¹¹	233	757,625
34	Wood industries	14,090	4,586	1,318	462	641	55	9,121,422
35	Furniture and fixture industries	6,199	18,162	¹¹	597	519	¹¹	1,120,962
36	Paper and allied industries	1,704,025	505,630	—	430	89,169	—	2,591,266
37	Printing, publishing and allied industries	4,093	7,831	530	457	¹¹	98	1,897,752
38	Primary metal industries	591,817	415,402	9,940	155,385	—	294,850	2,440,686
39	Metal fabricating industries (except machinery and transportation equipment).....	28,053	58,620	147	2,452	3,128	4,032	5,296,263
40	Machinery industries (except electrical machinery)	10,899	64,864	453	2,030	187	1,659	1,286,540
41	Transportation equipment industries	60,100	395,891	561	7,729	93,475	4,888	4,772,305
42	Electrical products industries	14,768	83,476	504	1,364	577	200	1,281,979
43	Non-metallic mineral products industries.....	331,585	521,719	3,189	2,613	15,598	4,057	11,278,326
44	Petroleum and coal products industries	—	476	766	—	—	—	161,611
45	Chemical and chemical products industries	76,162	1,014,617	¹¹	2,804	520	11,022	2,822,599
46	Miscellaneous manufacturing industries	7,710	35,499	¹¹	879	235	593	1,539,299

¹ Quantities for 1961 not directly comparable with those for previous years; see text, page 102.

² For 1926, 1929 and 1933, fuel and electricity used by "Dyeing, cleaning and laundry work" and by "Central electric stations" have been deducted from the totals in order to make the series comparable.

³ Not collected.

⁴ Includes manufactured and natural gas.

⁵ Quantities not collected; see Table 27 for values.

⁶ Electricity purchased for metallurgical purposes in the "Non-ferrous metal smelting and refining" industry included for the first time.

⁷ Newfoundland included in this and subsequent years; also for 1949-52 tables for those years.

TABLE 28. Quantities of Fuel and Electricity Used in the Manufacturing Industries, Selected Years, 1926-60 and by Province and Industrial Group, 1961¹

Fuel oil	Wood	Gas			Steam purchased	Electricity			No.
		Liquefied petroleum	Other manufactured	Natural		Purchased	Generated for own use	Generated for sale	
Imp. gal.	cords	Imp. gal.	Mcf.		pounds	kwh.			
110,378,654	722,088	—	40,588,854 ^a		"	"	"	"	1
150,910,662	655,975	—	41,828,819	4,558,391	"	"	1,150,974,484	53,593,323	2
115,926,083	549,712	—	23,119,514	3,118,402	"	9,771,514,859	1,241,399,928	2,108,460	3
167,824,977	504,281	—	59,952,258	5,802,210	"	17,092,769,974	2,328,675,496	48,534,697	4
195,134,885	475,320	—	71,881,777	6,112,911	"	17,072,764,222	2,357,668,720	76,571,743	5
349,495,395	408,227	—	118,057,302	12,598,361	"	25,777,238,678	2,752,124,500	127,214,139	6
376,006,524	348,440	—	95,490,776	8,744,901	"	25,250,876,449	2,714,261,524	166,073,767	7
482,218,705	309,127	—	146,548,124	9,962,480	"	24,907,413,154	4,590,676,828	203,779,877	8
834,641,849	299,468	9,840,533	73,441,492	21,516,353	"	34,026,135,310 ^a	6,901,443,188 ^a	349,904,956 ^a	9
1,124,521,019	188,776	17,554,865	83,837,949	44,356,597	"	40,251,872,170	6,589,462,640	320,859,476	10
1,138,442,219	158,977	16,068,119	89,967,026	49,858,493	"	41,694,754,285	6,363,482,563	337,762,658	11
1,116,547,362	123,282	25,684,770	89,666,286	86,269,301	9,671,359,864	45,231,141,030	6,624,170,330	466,026,793	12
1,256,544,552	120,055	59,534,497	97,292,175	94,510,873	10,767,276,978	46,813,426,489	6,725,004,265	475,697,606	13
1,275,832,134	132,681	23,739,760	52,339,793	123,254,037	13,149,384,194	52,512,678,196	7,370,600,853	408,005,834	14
47,985,979	"	6,930	—	—	477,660	561,910,167	323,400,468	3,027,500	15
785,902	214	8,220	—	—	—	5,085,045	—	—	16
40,319,934	2,004	118,584	"	—	243,052,205	357,686,234	154,690,800	4,314,000	17
55,561,432	7,443	632,695	—	3,780	102,898,000	569,255,643	462,195,457	111,482,100	18
359,802,015	26,615	4,108,445	478,101	16,366,790	2,561,993,876	18,810,917,664	10,797,441,799	73,023,902	19
324,049,149	28,243	5,365,291	8,675,833	57,238,909	4,629,001,713	13,334,128,543	1,905,766,942	199,360,650	20
24,479,274	2,855	230,327	—	3,983,142	53,546,600	1,305,763,124	4,620,600	—	21
1,774,831	"	121,856	—	4,606,968	50,153,205	382,749,307	"	—	22
1,346,604	—	103,738	—	42,153,777	86,821,367	660,679,644	343,943,697	"	23
129,499,262	4,239	1,317,567	"	14,968,252	2,063,873,405	3,471,615,603	4,998,255,907	21,362,964	24
—	—	—	—	38,526	—	—	"	"	25
985,604,382	73,820	12,011,653	9,326,003	139,360,164	9,791,818,033	39,459,790,974	18,991,648,799	412,863,052	26
135,373,156	12,780	1,783,911	49,868	15,141,810	588,098,604	1,488,051,512	104,071,588	"	27
3,829,188	"	28,750	—	51,675	18,549,486	48,088,489	—	—	28
5,955,728	75	16,281	11,052	201,754	165,128,258	301,118,527	8,513,000	—	29
2,972,756	465	8,574	2,674	151,954	6,561,931	57,531,024	100,000	—	30
51,205,372	"	762,141	34,868	1,132,711	288,891,994	872,929,135	90,809,987	—	31
4,091,393	—	20,780	"	64,007	40,257,061	48,580,916	1,546,114	—	32
3,010,466	"	48,565	"	123,461	—	67,859,759	—	—	33
13,730,591	19,216	1,013,929	23,076	6,077,234	1,295,363,685	549,842,127	217,924,664	12,751,109	34
2,697,915	4,759	33,836	—	211,575	7,759,000	75,773,592	211,405	—	35
303,747,165	4,342	1,429,305	740,819	26,381,770	1,603,366,428	15,736,621,653	5,264,872,259	363,635,827	36
7,221,979	"	146,100	36,713	384,563	55,928,285	190,387,261	"	"	37
204,970,646	5,784	963,211	976,316	18,719,448	35,293,471	8,310,867,231	12,793,486,133	35,738,500	38
24,288,623	1,030	1,605,747	121,491	4,506,639	208,889,243	597,787,790	995,274	—	39
10,989,058	117	139,393	40,631	1,014,348	49,837,271	261,217,270	—	—	40
29,064,247	1,064	1,316,224	36,556	2,297,026	100,695,666	855,742,418	86,017,000	—	41
21,550,017	—	744,074	11,097	1,223,254	137,970,613	616,070,440	12,639,100	—	42
98,711,051	23,531	1,243,351	17,203	24,941,375	328,440,020	2,189,743,032	1,671,538	—	43
1,541,214	—	6,748	—	10,349,994	690,597,635	1,203,256,654	"	"	44
53,893,660	"	286,320	7,194,661	24,026,653	4,165,797,402	5,603,591,224	404,188,703	447,630	45
6,760,151	"	394,393	26,563	356,913	2,374,000	164,530,920	3,460,402	—	46

^a Exclusive of the "Butter and cheese industry" in the province of Quebec.^b Includes only establishments with selling values of factory shipments of \$100,000 or over; these establishments reported over 98 per cent of the total value of fuel used by the manufacturing industries of Canada in 1958.¹⁰ Includes only large establishments which for most industries refer to establishments with shipments of \$500,000 or over and which in total accounted for 95.4 per cent of the total cost of purchased fuel and electricity used in 1961. For details of the cost of fuel and electricity used by small and medium-sized establishments in 1961 see Table 26.¹¹ Included in the total.

PART IV

SELECTED CHARACTERISTICS OF THE MANUFACTURING INDUSTRIES

SECTION A. TYPE OF OWNERSHIP

On the basis of type of ownership, establishments that were incorporated companies or branches of incorporated companies in 1961 outnumbered for the first time those of the three other types of ownership combined. The trend towards the increasing proportion of the total occupied by incorporated companies has continued almost without interruption since these data were first compiled in 1946. At that time, incorporated companies accounted for only one-third, and individual ownership for almost one-half, of the total. Neither the 1946 nor 1961 proportions, however, are entirely comparable with those of other years. The 1946 data exclude the fish-curing and packing industry, and the 1961 data are based on the revised Standard Industrial Classification and the New Estab-

lishment Concept. Implementation of the latter concept removed from the manufacturing sector those establishments not primarily engaged in manufacturing and, as many of these were small establishments, the majority of which are usually not incorporated, the net effect of their removal was a partially artificial increase in the proportion of incorporated companies between 1960 and 1961. The growth in relative importance of incorporated companies from 33.4 per cent of the total number of establishments in 1946 to 54.0 in 1961 was accompanied by declines in the proportions occupied by individual ownerships from 47.3 to 34.4 by partnerships from 16.0 to 9.4, and by co-operatives from 3.3 to 2.2 per cent during the same period.

TABLE 29. Percentage Distribution of Establishments in the Manufacturing Industries, by Type of Ownership, 1946-61

Year	Individual ownership	Partnerships	Incorporated companies	Co-operatives
1946 (estimated)	47.3	16.0	33.4	3.3
1947	46.4	16.1	34.3	3.2
1948	46.2	16.4	34.4	3.0
1949	46.0	15.8	35.3	2.9
1950	45.6	15.0	36.3	3.1
1951	44.6	15.5	36.9	3.0
1952	44.9	15.4	36.9	2.8
1953	44.4	14.8	38.2	2.6
1954	43.6	14.3	39.5	2.6
1955	42.7	13.6	41.1	2.6
1956	41.4	12.7	43.4	2.5
1957	40.6	12.0	44.9	2.5
1958	39.2	11.1	47.1	2.6
1959	38.4	10.8	48.2	2.6
1960	37.7	10.3	49.5	2.5
1961 ¹	34.4	9.4	54.0	2.2

¹ Based on the revised (1960) Standard Industrial Classification and the New Establishment Concept; not directly comparable with previous years.

As is to be expected, the smaller establishments, regardless of the type of products manufactured, are operated mainly under individual ownership or partnerships. Industries conducted on a small scale usually contain a large number of establishments in this category, the percentage decreasing as the scale of operation increases.

Of the 11,160 establishments with shipments of under \$25,000, 74.8 per cent were individual ownership, 12.6 per cent partnerships, 12.2 per cent incorporated companies and 0.4 per cent co-operatives. With the increase in size the importance of individual ownership as well as that of partnerships declines. In the case of incorporated companies, however, the opposite is true. As the size increases their numerical importance increases as the following table shows.

TABLE 30. Percentage Distribution of Establishments in the Manufacturing Industries, by Type of Ownership and Selling Value of Factory Shipments, 1961¹

	Under \$25,000	\$25,000-\$99,999	\$100,000-\$499,999	\$500,000 and Over
per cent				
Establishments:				
Individual ownership	74.8	41.4	9.7	0.6
Partnerships	12.6	15.6	5.9	0.9
Incorporated companies	12.2	41.0	79.7	96.4
Co-operatives	0.4	2.0	4.7	2.1
Totals	100.0	100.0	100.0	100.0
Employees:				
Individual ownership	68.5	36.0	5.8	0.2
Partnerships	15.6	15.1	4.8	0.3
Incorporated companies	15.6	47.7	87.6	98.8
Co-operatives	0.3	1.2	1.8	0.7
Totals	100.0	100.0	100.0	100.0
Factory shipments:				
Individual ownership	70.1	37.0	7.0	0.2
Partnerships	14.3	14.9	4.8	0.2
Incorporated companies	15.1	45.6	83.6	98.4
Co-operatives	0.5	2.5	4.6	1.2
Totals	100.0	100.0	100.0	100.0

¹ Based on the revised (1960) Standard Industrial Classification and the New Establishment Concept; not directly comparable with previous years.

The extent of incorporation shows considerable variation within industrial groups, ranging from 34.3 per cent in the wood industries to 95.6 per cent in the petroleum and coal products industries in 1961. Individual ownership ranged from 4.4 per cent in the petroleum and coal products industries to 53.6 per cent in the furniture and fixture industries. Partnerships had their highest proportion, 12.5 per cent of the total, in the wood industries, and co-operatives, 9.7 per cent, in the food and beverage industries.

On the basis of employment provided, incorporated companies are by a wide margin the most important factor in the employment field. Although accounting for only 54.0 per

cent of the number of establishments, this group provided 93.5 per cent of the employment. Comparable percentages for the other groups were: individual ownership, 34.4 and 3.7; partnerships, 9.4 and 1.9; and co-operatives, 2.2 and 0.9. Within industrial groups, the proportion of total employment provided by incorporated companies ranged from 84.0 per cent in the wood industries to 99.8 in the electrical production industries, with such companies providing 95.0 per cent or more of the employment in 13 of the 20 groups. On a provincial basis, incorporated companies provided employment ranging from 73.9 per cent of the total in Prince Edward Island to 95.6 per cent in Ontario.

TABLE 31. Percentage Distribution of Establishments in the Manufacturing Industries, by Type of Ownership, Province and Industrial Group, 1961¹

Province or industrial group	Individual ownership	Partnerships	Incorporated companies	Co-operatives	Total
	per cent				
Province					
Newfoundland	39.3	22.5	38.2	—	100.0
Prince Edward Island	46.2	14.7	34.0	5.1	100.0
Nova Scotia	43.5	10.2	44.0	2.3	100.0
New Brunswick	41.0	8.6	48.4	2.0	100.0
Quebec	40.7	8.2	47.4	3.7	100.0
Ontario	29.3	9.8	59.6	1.3	100.0
Manitoba	34.3	10.1	53.7	1.9	100.0
Saskatchewan	38.2	9.6	45.2	7.0	100.0
Alberta	30.3	10.5	55.8	3.4	100.0
British Columbia	28.5	9.8	60.9	0.8	100.0
Yukon and Northwest Territories	30.8	—	69.2	—	100.0
Canada	34.4	9.4	54.0	2.2	100.0
Industrial group					
Food and beverage industries	39.9	9.9	40.5	9.7	100.0
Tobacco products industries	10.5	—	81.6	7.9	100.0
Rubber industries	9.7	—	90.3	—	100.0
Leather industries	21.8	6.5	71.7	—	100.0
Textile industries	24.2	9.7	66.1	—	100.0
Knitting mills	12.0	6.7	81.3	—	100.0
Clothing industries	23.5	11.0	65.5	—	100.0
Wood industries	53.0	12.5	34.3	0.2	100.0
Furniture and fixture industries	53.6	11.1	35.3	—	100.0
Paper and allied industries	5.8	2.5	91.7	—	100.0
Printing, publishing and allied industries	36.6	9.9	53.3	0.2	100.0
Primary metal industries	12.0	7.0	81.0	—	100.0
Metal fabricating industries (except machinery and transportation equipment industries)	25.3	9.0	65.6	0.1	100.0
Machinery industries (except electrical machinery)	7.0	3.1	89.9	—	100.0
Transportation equipment industries	24.1	9.0	66.9	—	100.0
Electrical products industries	4.9	1.1	94.0	—	100.0
Non-metallic mineral products industries	25.2	7.9	66.9	—	100.0
Petroleum and coal products industries	4.4	—	95.6	—	100.0
Chemical and chemical products industries	11.6	2.9	85.0	0.5	100.0
Miscellaneous manufacturing industries	32.0	9.1	58.9	—	100.0

¹ Based on the revised (1960) Standard Industrial Classification and the New Establishment Concept; not directly comparable with previous years.

² Included with individual ownership.

³ Included with incorporated companies.

TABLE 32. Percentage Distribution of Employment in the Manufacturing Industries, by Type of Ownership of Establishment, Province and Industrial Group, 1961¹

Province or industrial group	Individual ownership	Partner- ships	Incorporated companies	Co- operatives	Total
	per cent				
Province					
Newfoundland	2.7	1.9	95.4	—	100.0
Prince Edward Island	13.1	6.7	73.9	6.3	100.0
Nova Scotia	6.8	1.9	89.3	2.0	100.0
New Brunswick	5.7	2.3	90.4	1.6	100.0
Quebec	5.0	2.1	92.0	0.9	100.0
Ontario	2.5	1.6	95.6	0.3	100.0
Manitoba	3.7	2.0	93.0	1.3	100.0
Saskatchewan	6.9	2.9	78.3	11.9	100.0
Alberta	4.6	2.3	90.8	2.3	100.0
British Columbia	3.3	1.7	93.2	1.8	100.0
Yukon and Northwest Territories	14.5	—	85.5	—	100.0
Canada	3.7	1.9	93.5	0.9	100.0

See footnote at end of table.

TABLE 32. Percentage Distribution of Employment in the Manufacturing Industries, by Type of Ownership of Establishment, Province and Industrial Group, 1961¹ — Concluded

Province or industrial group	Individual ownership	Partnerships	Incorporated companies	Co-operatives	Total
per cent					
Industrial group					
Food and beverage industries	7.2	2.8	85.1	4.9	100.0
Tobacco products industries	0.8	2	97.9	1.3	100.0
Rubber industries	0.3	2	99.7	—	100.0
Leather industries	3.6	1.3	95.1	—	100.0
Textile industries	2.0	1.3	96.7	3	100.0
Knitting mills	2.4	1.7	95.9	3	100.0
Clothing industries	6.3	5.9	87.8	—	100.0
Wood industries	11.5	4.1	84.0	0.4	100.0
Furniture and fixture industries	10.0	4.3	85.7	3	100.0
Paper and allied industries	0.2	0.1	99.7	—	100.0
Printing, publishing and allied industries	6.3	2.6	90.6	0.5	100.0
Primary metal industries	0.3	0.3	99.4	—	100.0
Metal fabricating industries (except machinery and transportation equipment industries)	3.0	1.9	94.8	0.3	100.0
Machinery industries (except electrical machinery)	0.4	0.5	99.1	3	100.0
Transportation equipment industries	0.5	0.3	99.2	—	100.0
Electrical products industries	0.1	0.1	99.8	—	100.0
Non-metallic mineral products industries	2.9	1.8	95.3	3	100.0
Petroleum and coal products industries	2.2	2	97.8	3	100.0
Chemical and chemical products industries	0.6	0.3	99.0	0.1	100.0
Miscellaneous manufacturing industries	4.6	2.5	92.9	3	100.0

¹ Based on the revised (1960) Standard Industrial Classification and New Establishment Concept; not directly comparable with previous years.² Included with individual ownership.³ Included with incorporated companies.**TABLE 33. Percentage Distribution of Employment in the Forty Leading Industries, by Type of Ownership of Establishment, 1961¹**

No.	Industries	Individual ownership	Partnerships	Incorporated companies	Co-operatives	Total
per cent						
1	Pulp and paper mills	—	2	100.0	—	100.0
2	Smelting and refining	—	—	100.0	—	100.0
3	Petroleum refining	—	—	100.0	2	100.0
4	Slaughtering and meat packing plants	1.3	0.8	96.0	1.9	100.0
5	Motor vehicle manufacturers	—	—	100.0	—	100.0
6	Iron and steel mills	—	—	100.0	—	100.0
7	Sawmills (except shingle mills)	16.0	5.6	78.0	0.4	100.0
8	Manufacturers of industrial chemicals	—	2	100.0	—	100.0
9	Pasteurizing plants	5.6	3.6	79.6	11.2	100.0
10	Miscellaneous food manufacturers	1.1	0.6	98.3	—	100.0
11	Miscellaneous machinery and equipment manufacturers	0.5	0.5	99.0	3	100.0
12	Metal stamping, pressing and coating industry	1.7	1.3	97.0	3	100.0
13	Printing and publishing	4.0	1.0	95.0	2	100.0
14	Bakeries	21.6	6.7	71.4	0.3	100.0
15	Motor vehicle parts and accessories manufacturers	0.1	0.3	99.6	—	100.0
16	Aircraft and parts manufacturers	0.1	—	99.9	—	100.0
17	Fruit and vegetable canners and preservers	3.0	1.5	94.7	0.8	100.0
18	Butter and cheese plants	12.7	3.8	43.2	40.3	100.0
19	Feed manufacturers	14.4	4.7	57.1	23.8	100.0
20	Men's clothing factories	2.3	4.1	93.6	—	100.0
21	Women's clothing factories	2.5	5.3	92.2	—	100.0
22	Breweries	—	—	100.0	—	100.0
23	Communications equipment manufacturers	0.2	3	99.8	—	100.0
24	Synthetic textile mills	2	—	100.0	—	100.0
25	Cotton yarn and cloth mills	0.1	3	99.9	—	100.0
26	Sash and door and planing mills (excluding hardwood flooring)	11.4	3.9	64.7	3	100.0
27	Printing and bookbinding	11.0	5.3	82.1	1.6	100.0
28	Tobacco products manufacturers	0.9	3	99.1	—	100.0
29	Wire and wire products manufacturers	1.5	1.1	97.4	—	100.0
30	Flour mills	0.8	0.9	98.3	2	100.0
31	Miscellaneous metal fabricating industries	1.3	1.4	97.3	—	100.0
32	Manufacturers of electrical industrial equipment	0.1	3	99.9	—	100.0
33	Fabricated structural metal industry	—	2	100.0	—	100.0
34	Manufacturers of major appliances (electric and non-electric)	—	—	100.0	—	100.0
35	Household furniture industry	13.1	5.3	81.6	2	100.0
36	Other paper converters	0.5	0.5	99.0	—	100.0
37	Railroad rolling stock industry	—	—	100.0	—	100.0
38	Rubber tire and tube manufacturers	—	—	100.0	—	100.0
39	Shoe factories	3.1	0.7	96.2	—	100.0
40	Soft drink manufacturers	5.0	3.6	91.4	—	100.0

¹ Based on the revised (1960) Standard Industrial Classification and New Establishment Concept; not directly comparable with previous years.² Included with incorporated companies.³ Included with individual ownership.

TABLE 34. Principal Statistics of the Manufacturing Industries, by Province and Type of Ownership, 1961¹

Province and type of ownership	Estab- lish- ments	Total employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Canada:						
Individual ownership	11,160	46,798	118,172,562	9,764,608	222,820,167	425,309,721
Partnerships	3,058	23,516	65,952,002	4,527,970	118,811,580	231,381,173
Incorporated companies	17,439	1,183,647	5,010,958,170	495,485,228	12,499,597,272	23,220,760,678
Co-operatives	758	10,985	36,364,235	5,606,949	286,478,957	365,843,377
Totals	32,415	1,264,946	5,231,446,969	515,384,755	13,127,707,976	24,243,294,949
Newfoundland:						
Individual ownership	133	271	498,669	34,947	632,245	1,363,217
Partnerships	78	184	382,654	20,713	503,292	953,271
Incorporated companies	129	9,441	35,088,482	7,008,364	59,493,331	134,907,721
Totals	338	9,896	35,969,805	7,064,044	60,628,868	137,224,209
Prince Edward Island:						
Individual ownership	72	226	382,369	54,119	970,287	1,565,912
Partnerships	23	116	237,914	22,267	454,558	856,967
Incorporated companies	53	1,273	3,446,407	369,587	18,499,301	26,021,443
Co-operatives	8	109	160,784	17,045	1,266,912	1,596,717
Totals	156	1,724	4,207,474	463,018	21,191,058	30,041,039
Nova Scotia:						
Individual ownership	436	1,815	3,338,896	360,531	6,708,684	12,362,717
Partnerships	102	500	928,760	99,464	2,192,663	4,116,689
Incorporated companies	441	23,941	83,267,121	9,378,130	190,077,436	349,186,868
Co-operatives	23	545	1,384,679	173,501	7,484,704	9,640,626
Totals	1,002	26,801	88,919,256	10,011,626	206,483,487	375,306,900
New Brunswick:						
Individual ownership	290	1,281	2,353,415	341,276	6,468,117	10,671,197
Partnerships	61	527	1,071,247	109,799	3,132,701	5,041,254
Incorporated companies	943	20,282	69,532,059	14,785,452	205,119,164	371,291,127
Co-operatives	14	353	935,647	178,879	8,330,746	10,453,117
Totals	708	22,443	73,892,368	15,415,406	223,050,728	397,456,695
Quebec:						
Individual ownership	4,464	21,239	51,054,238	3,881,945	107,657,710	196,879,628
Partnerships	896	9,062	24,619,610	1,448,720	41,577,513	83,865,715
Incorporated companies	5,189	389,852	1,541,093,524	150,031,926	3,732,505,889	6,921,938,799
Co-operatives	406	3,576	9,804,817	1,773,369	100,678,436	124,573,520
Totals	10,955	423,729	1,626,572,189	157,135,960	3,982,419,548	7,327,257,662
Ontario:						
Individual ownership	3,542	14,639	41,423,089	3,362,641	75,089,572	146,113,914
Partnerships	1,184	9,451	28,556,315	1,858,255	53,781,685	101,764,521
Incorporated companies	7,203	565,542	2,521,229,066	230,425,547	6,157,254,492	11,645,533,889
Co-operatives	152	1,783	6,199,779	1,063,088	51,167,070	63,917,229
Totals	12,081	591,415	2,597,408,249	236,709,531	6,337,292,819	11,957,329,553
Manitoba:						
Individual ownership	485	1,536	3,966,541	327,471	6,687,035	13,076,368
Partnerships	144	819	2,338,738	171,516	4,275,696	8,152,896
Incorporated companies	760	38,310	149,337,296	15,496,556	417,320,753	731,727,816
Co-operatives	27	547	1,659,787	248,424	13,156,838	16,937,759
Totals	1,416	41,212	157,302,360	16,243,967	441,440,322	769,894,639
Saskatchewan:						
Individual ownership	258	835	2,100,015	208,273	2,119,455	5,477,400
Partnerships	65	356	918,398	107,666	1,895,958	3,534,946
Incorporated companies	305	9,510	39,958,462	6,359,827	173,520,467	279,498,815
Co-operatives	47	1,448	5,970,387	984,646	41,279,342	55,921,042
Totals	675	12,149	48,947,762	7,660,412	218,815,222	344,432,203
Alberta:						
Individual ownership	476	1,726	4,536,145	400,036	5,804,075	13,316,366
Partnerships	164	870	2,412,137	266,544	4,583,485	9,096,110
Incorporated companies	876	34,444	147,482,630	16,258,356	533,129,488	881,060,809
Co-operatives	53	881	2,917,572	346,559	25,215,813	30,353,191
Totals	1,569	37,921	157,348,484	17,271,495	568,732,861	933,826,476
British Columbia:						
Individual ownership	1,000	3,210	8,473,200	786,368	10,639,434	24,340,172
Partnerships	343	1,631	4,485,731	423,026	6,414,029	13,999,004
Incorporated companies	2,132	90,944	419,931,363	45,339,781	1,010,265,166	1,876,485,735
Co-operatives	27	1,733	7,307,482	806,376	37,754,378	52,266,527
Totals	3,502	97,518	440,197,776	47,357,571	1,065,073,007	1,967,091,438
Yukon and Northwest Territories:						
Individual ownership	4	20	66,185	4,981	43,553	142,830
Incorporated companies	9	118	615,061	46,744	2,556,503	3,291,305
Totals	13	138	681,246	51,725	2,600,056	3,434,135

¹ Based on the revised (1960) Standard Industrial Classification and the New Establishment Concept; not directly comparable with previous years.

TABLE 35. Principal Statistics of the Manufacturing Industries, by Industrial Group and Type of Ownership, 1961¹

Industrial group and type of ownership	Estab- lish- ments	Total employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number				dollars	
Food and beverage industries:						
Individual ownership	2,973	13,506	31,434,991	4,779,306	118,454,286	178,256,049
Partnerships	734	5,348	13,799,713	1,941,602	47,497,244	74,459,645
Incorporated companies	3,016	160,675	612,822,276	58,538,671	2,722,983,641	4,328,296,114
Co-operatives	721	9,326	29,938,993	4,966,484	259,738,017	324,422,520
Totals	7,444	188,855	687,995,973	70,226,063	3,148,673,188	4,905,434,328
Tobacco products industries:						
Incorporated companies	31	9,242	38,697,299	1,004,297	203,523,884	332,435,376
Co-operatives	3	129	284,269	24,135	1,561,206	2,108,599
Other ownership	4	71	172,310	6,770	212,015	439,261
Totals	38	9,442	39,153,878	1,035,202	205,297,105	334,983,236
Rubber industries:						
Incorporated companies	84	18,810	81,895,319	5,269,680	148,606,327	330,849,974
Other ownership	9	50	108,466	6,367	77,627	264,739
Totals	93	18,860	82,003,785	5,276,047	148,683,954	331,134,713
Leather industries:						
Individual ownership	121	1,140	2,992,189	64,757	4,546,176	9,125,809
Partnerships	36	405	1,061,069	21,615	1,530,313	3,253,899
Incorporated companies	398	29,868	85,520,985	2,187,614	145,329,980	278,688,815
Totals	555	31,413	89,574,243	2,273,986	151,406,469	291,068,523
Textile industries:						
Individual ownership	214	1,244	2,952,962	124,175	3,423,957	8,135,300
Partnerships	85	791	2,014,531	84,434	2,694,749	6,009,271
Incorporated companies	584	60,509	207,590,296	14,904,746	461,882,343	861,143,129
Totals	883	62,544	212,557,789	15,113,355	468,001,049	875,287,700
Knitting mills:						
Individual ownership	43	506	1,144,293	41,327	2,686,644	4,843,133
Partnerships	24	365	857,140	16,081	2,060,082	3,444,452
Incorporated companies	291	20,588	55,467,949	1,869,516	112,615,241	211,008,393
Totals	358	21,459	57,469,382	1,926,924	117,361,967	219,295,978
Clothing industries:						
Individual ownership	541	5,517	11,945,842	226,871	14,253,528	31,615,642
Partnerships	256	5,149	13,793,774	174,083	19,081,019	39,705,709
Incorporated companies	1,510	77,062	208,648,863	2,618,006	394,188,833	730,214,140
Totals	2,307	87,728	234,388,479	3,018,960	427,523,380	801,535,491
Wood industries:						
Individual ownership	2,784	9,227	19,427,716	2,166,923	31,798,397	65,639,263
Partnerships	655	3,271	7,457,459	792,148	12,435,368	25,516,120
Incorporated companies	1,803	87,247	252,399,168	17,284,555	537,920,781	939,491,008
Co-operatives	9	297	1,046,361	95,920	2,638,205	4,697,227
Totals	5,251	80,042	280,330,704	20,339,546	584,792,751	1,035,343,618
Furniture and fixture industries:						
Individual ownership	1,120	3,306	9,791,087	435,554	10,568,426	26,086,578
Partnerships	232	1,430	4,493,871	171,117	7,513,581	14,464,596
Incorporated companies	737	28,417	98,160,715	3,300,310	156,553,113	321,510,931
Totals	2,089	33,153	112,445,673	3,906,981	174,635,120	362,062,105
Paper and allied industries:						
Individual ownership	33	191	519,401	21,206	1,177,561	2,080,749
Partnerships	14	135	445,863	22,981	1,011,432	1,809,276
Incorporated companies	522	94,536	470,171,901	122,245,303	1,019,313,889	2,201,844,030
Totals	569	94,862	471,137,165	122,289,492	1,021,502,882	2,205,734,055
Printing, publishing and allied industries:						
Individual ownership	1,254	4,585	15,399,958	501,530	12,353,480	38,810,806
Partnerships	340	1,924	8,744,690	181,669	5,116,221	15,989,488
Incorporated companies	1,827	65,935	304,321,839	5,638,074	257,280,744	814,595,885
Co-operatives	7	355	1,434,383	28,360	986,289	2,886,158
Totals	3,428	72,779	327,900,870	6,549,633	275,716,714	872,292,337
Primary metal industries:						
Individual ownership	49	264	699,710	61,493	741,989	1,896,896
Partnerships	29	227	820,637	126,592	3,187,932	4,727,110
Incorporated companies	332	86,747	456,099,004	87,709,917	1,587,758,120	2,799,859,781
Totals	410	87,238	457,619,351	87,898,002	1,591,688,041	2,806,483,787

See footnote at end of table.

TABLE 35. Principal Statistics of the Manufacturing Industries, by Industrial Group and Type of Ownership, 1961¹ - Concluded

Industrial group and type of ownership	Estab- lish- ments	Total employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Metal fabricating industries (except machinery and transportation equipment industries):						
Individual ownership	723	2,812	8,998,953	552,651	9,171,558	23,485,079
Partnerships	256	1,600	6,302,804	331,203	7,482,877	17,545,828
Incorporated companies	1,875	89,724	405,532,707	18,022,618	715,103,681	1,446,961,232
Co-operatives	5	275	1,081,680	53,198	2,642,010	4,698,708
Totals	2,859	94,611	421,915,944	18,959,670	734,400,126	1,492,690,845
Machinery industries (except electrical machinery):						
Individual ownership	38	172	584,331	27,722	626,853	1,643,538
Partnerships	17	209	875,909	22,019	1,078,506	2,471,303
Incorporated companies	491	41,702	194,146,205	6,810,519	302,238,584	635,624,585
Totals	546	42,083	195,606,445	6,860,260	303,943,943	639,739,426
Transportation equipment industries:						
Individual ownership	162	549	1,483,118	75,633	1,474,647	3,843,045
Partnerships	60	330	978,742	40,735	963,717	3,154,057
Incorporated companies	449	106,830	520,008,487	20,007,307	1,127,731,794	1,953,780,052
Totals	671	107,709	522,470,347	20,123,675	1,130,170,158	1,960,777,154
Electrical products industries:						
Individual ownership	26	118	282,127	29,026	664,112	1,155,681
Partnerships	6	77	309,411	8,066	483,995	1,010,739
Incorporated companies	499	79,336	352,976,541	11,299,297	584,203,447	1,203,367,901
Totals	531	79,531	353,568,079	11,336,389	585,351,554	1,205,534,321
Non-metallic mineral products industries:						
Individual ownership	326	1,178	2,999,599	329,327	3,264,219	8,721,926
Partnerships	102	725	2,107,848	459,184	2,123,391	6,732,139
Incorporated companies	864	38,225	168,979,739	45,712,428	244,728,798	659,558,751
Totals	1,292	40,128	174,087,186	46,500,939	250,116,408	675,012,816
Petroleum and coal products industries:						
Incorporated companies	87	13,748	83,467,355	10,980,137	907,371,128	1,200,777,479
Other ownership	4	305	1,872,509	371,065	13,259,210	19,416,285
Totals	91	14,053	85,339,864	11,351,202	920,630,338	1,220,193,764
Chemical and chemical products industries:						
Individual ownership	124	298	846,838	49,685	1,409,228	2,990,333
Partnerships	32	138	340,268	23,579	547,461	1,372,824
Incorporated companies	911	51,685	252,641,781	54,600,578	618,134,039	1,425,243,591
Co-operatives	5	46	173,406	19,974	3,853,127	4,271,410
Totals	1,072	52,167	254,004,293	54,693,818	623,943,855	1,433,878,158
Miscellaneous manufacturing industries:						
Individual ownership	616	2,121	6,482,587	264,830	5,966,945	16,397,769
Partnerships	177	1,149	3,427,860	109,728	3,917,923	9,488,651
Incorporated companies	1,135	43,019	161,967,072	5,330,055	253,984,106	546,926,174
Totals	1,928	46,289	171,877,519	5,704,613	263,868,974	574,812,594

¹ Based on the revised (1960) Standard Industrial Classification and the New Establishment concept; not directly comparable with previous years.

SECTION B. SIZE OF MANUFACTURING ESTABLISHMENTS BASED ON THE NUMBER OF EMPLOYEES

In 1929, establishments with 501 or more employees accounted for 27.2 per cent of the number of employees engaged in manufacturing. The tendency then in evidence of increasing concentration into larger units was checked by the depression, the percentage dropping to 20.5 in 1933, (central electric stations included), but rising again to 25.6 in 1939. The same holds true for establishments with 101 or more employees. In 1929 they employed 61.8 per cent, in 1933, 55.7 per cent and in 1939, 61.5 per cent of the total.

The effect of the Second World War on the concentration of industries into large units is illustrated by the increase in the number of establishments with 500 or more employees. In 1939 such establishments numbered 172 and employed 25.6 per cent of the total number of employees engaged in manufacturing. By 1944 the number had increased to 383 and the percentage of total employees to 46.9. In a further subdivision of this group in

1944 it was found that 226 establishments employed between 500 and 999 persons, 56 between 1,000 and 1,499 and 101 employed over 1,500. Altogether, there were 12 plants employing over 7,000 persons, the largest having an employment of a little over 13,000 with the next three largest employing between 9,000 and 9,999. Three other plants employed between 8,000 and 8,999 persons, while the lowest five plants in this group employed between 7,000 and 7,999 workers.

With the resumption of peace-time production, the larger establishments declined in size, so that by 1961 only 52 establishments employed over 1,500 employees, as compared with 101 in 1944. In 1961 there were only seven establishments with 5,000 or more persons. Only two reported more than 10,000 employees, one reported between 9,000 and 9,999, one between 7,000 and 7,999, one between 6,000 and 6,999, and two between 5,000 and 5,999.

TABLE 36. Establishments in the Manufacturing Industries classified by Number of Employees, Selected Years, 1929-61

Employee group	1929 ^{1,2}				1939 ³			
	Establishments	Employees	Average per establishment	Proportion of total employment	Establishments	Employees	Average per establishment	Proportion of total employment
		number		per cent		number		per cent
Under 5 employees	12,273	30,446	2.5	4.4	13,002	28,020	2.2	4.3
5 to 20 employees	6,160	62,310	10.1	9.0	6,985	68,151	9.8	10.4
21 " 50 "	2,531	81,846	32.3	11.8	2,330	75,324	32.3	11.4
51 " 100 "	1,262	90,238	71.5	13.0	1,158	81,646	70.5	12.4
101 " 200 "	745	103,944	139.5	15.0	695	97,063	139.7	14.7
201 " 500 "	444	136,397	307.2	19.6	458	139,687	305.0	21.2
501 employees and over	182	189,253	1,039.9	27.2	172	168,168	977.7	25.6
Totals and averages	23,597	694,434	29.4	100.0	24,800	658,059	26.5	100.0
	1944 ⁴				1949			
	Establishments	Employees	Average per establishment	Proportion of total employment	Establishments	Employees	Average per establishment	Proportion of total employment
		number		per cent		number		per cent
Under 5 employees	13,208	29,958	2.3	2.4	16,647	34,865	2.1	3.0
5 to 14 employees	7,111	58,404	8.2	4.8	9,133	75,482	8.3	6.4
15 " 49 "	4,615	124,408	27.0	10.2	5,967	159,012	26.7	13.6
50 " 99 "	1,622	113,869	70.2	9.3	1,905	132,069	69.3	11.3
100 " 199 "	900	126,192	140.2	10.3	1,114	156,084	140.1	13.3
200 " 499 "	644	196,707	305.4	16.1	694	213,130	307.1	18.2
500 " 999 "	383	573,344	1,497.0	46.9	332	391,455	1,179.1	33.4
1,000 " 1,499 "								
1,500 employees and over								
Head offices ⁵	—	—	—	—	—	9,110	0.1	0.8
Totals and averages	28,483	1,222,882	42.9	100.0	35,792	1,171,207	32.7	100.0
	1954				1961 ⁵			
	Establishments	Employees	Average per establishment	Proportion of total employment	Establishments	Employees	Average per establishment	Proportion of total employment
		number		per cent		number		per cent
Under 5 employees	17,807	37,064	2.2	2.9	12,071	27,788	2.3	2.2
5 to 14 employees	9,705	79,733	8.2	6.3	9,239	76,825	8.3	6.1
15 " 49 "	6,235	166,443	26.7	13.1	6,434	173,974	27.0	13.8
50 " 99 "	2,055	141,035	68.6	11.1	2,276	157,952	69.4	12.5
100 " 199 "	1,130	156,362	138.4	12.3	1,249	173,351	138.8	13.7
200 " 499 "	726	221,172	304.6	17.5	809	244,688	302.5	19.3
500 " 999 "	242	168,374	695.8	13.3	228	158,965	697.2	12.6
1,000 " 1,499 "	66	80,003	1,212.2	6.3	57	71,500	1,254.4	5.6
1,500 employees and over	62	201,973	3,257.6	16.0	52	163,973	3,153.3	12.9
Head offices ⁵	—	15,807	—	1.2	—	15,930	—	1.3
Totals and averages	38,028	1,267,966	33.3	100.0	32,415	1,264,946	39.0	100.0

¹ Includes central electric stations, dyeing, cleaning and laundry establishments.² Exclusive of Yukon and the Northwest Territories and Newfoundland.³ Exclusive of Newfoundland.⁴ Under this heading are included only those head offices which are not located at the plant.⁵ Based on the revised (1960) Standard Industrial Classification and New Establishment Concept; not directly comparable with the previous years.

An analysis of the degree of concentration of manufacturing in establishments with 200 or more employees in the 25 leading industries shows a wide variation in the proportion that such establishments contributed to the total output of individual industries in 1961. In six of these industries, such establishments accounted for over 90 per cent of the total value of factory shipments: motor vehicle manufacturers, 98.9; smelting and refining, 98.2; pulp and paper mills, 95.1; iron and steel

mills, 94.2; aircraft and parts manufacturers, 92.2; and cotton yarn and cloth mills, 91.7 per cent. In only three of the top 25 industries did the proportion of total shipments accounted for by such establishments fall below 30 per cent: women's clothing factories where the nine establishments in this category accounted for only 8.0 per cent of total shipments, and butter and cheese plants and feed manufacturers, neither of which had any establishments with 200 or more employees.

TABLE 37. Number and Relative Importance of Establishments with 200 or More Employees in the Twenty-five Leading Industries, 1961¹

No.	Industry	Number of such establishments	Percentage of total number in the industry	Percentage of total shipments in the industry
1	Pulp and paper mills	84	67.2	95.1
2	Smelting and refining	21	87.5	98.2
3	Petroleum refining	18	40.9	78.5
4	Slaughtering and meat packing plants	34	14.0	72.9
5	Motor vehicle manufacturers	9	52.9	98.9
6	Iron and steel mills	18	42.9	94.2
7	Sawmills	23	0.7	33.6
8	Manufacturers of industrial chemicals	16	12.5	67.8
9	Pasteurizing plants	21	2.9	31.9
10	Miscellaneous food manufacturers	10	3.7	31.2
11	Miscellaneous machinery and equipment manufacturers	33	7.9	46.9
12	Metal stamping, pressing and coating industry	22	5.0	52.2
13	Printing and publishing	30	4.0	68.4
14	Bakeries	27	1.1	35.2
15	Motor vehicle parts and accessories manufacturers	16	12.7	74.4
16	Aircraft and parts manufacturers	23	28.8	92.2
17	Fruit and vegetable canners and preservers	14	4.2	41.6
18	Butter and cheese plants	—	—	—
19	Feed manufacturers	—	—	—
20	Men's clothing factories	32	6.6	36.0
21	Women's clothing factories	9	1.4	8.0
22	Breweries	10	18.5	59.7
23	Communications equipment manufacturers	21	16.8	80.3
24	Synthetic textile mills	19	33.9	79.7
25	Cotton yarn and cloth mills	23	59.0	91.7

¹ Based on the revised (1960) Standard Industrial Classification and the New Establishment Concept; not directly comparable with previous years.

The degree of regional concentration of manufacturing in large establishments is illustrated by the fact that, of the 337 establishments in Canada with 500 or more employees in 1961, almost half were in Ontario and over one third in Quebec. The 157 establishments in this category in Ontario accounted for 43.0 per cent of the total value of that province's factory ship-

ments and 21.2 per cent of the Canadian total. Comparable percentages for the other provinces and regions were: Quebec, 36.8 and 11.7; the Atlantic Provinces, 31.8 and 1.2; British Columbia, 29.1 and 2.4; and the Prairie Provinces, 18.3 and 1.5. There were no plants in either Prince Edward Island or the Yukon and Northwest Territories with 500 or more employees.

TABLE 38. Number and Relative Importance of Establishments with 500 or More Employees, by Province or Region, 1961¹

Province	Number of such establishments	Percentage of total number in Canada	Percentage of total shipments in Canada	Percentage of total shipments in province or region
Newfoundland	2	4.5	1.2	31.8
Prince Edward Island	—			
Nova Scotia	6			
New Brunswick	7	35.8	11.7	36.8
Quebec	120			
Ontario	157			
Manitoba	9	5.7	1.5	18.3
Saskatchewan	1			
Alberta	9			
British Columbia	26	7.7	2.4	29.1
Yukon and Northwest Territories	—	—	—	—
Canada	337	100.0	38.0	38.0

¹ Based on the revised (1960) Standard Industrial Classification and the New Establishment Concept; not directly comparable with previous years.

TABLE 39. Manufacturing Establishments, classified by Number of Employees per Establishment and by Province, 1961¹

Province	Up to 199	200 to 499	500 to 999	1,000 to 1,499	1,500 or over	Total
Newfoundland	331	5	—	1	1	338
Prince Edward Island	155	1	—	—	—	156
Nova Scotia	979	17	4	1	1	1,002
New Brunswick	688	13	5	1	1	708
Quebec	10,569	266	81	22	17	10,955
Ontario	11,536	388	102	27	28	12,081
Manitoba	1,383	24	6	2	1	1,416
Saskatchewan	665	9	1	—	—	675
Alberta	1,532	28	9	—	—	1,569
British Columbia	3,418	58	20	3	3	3,502
Yukon and Northwest Territories	13	—	—	—	—	13
Canada	31,269	809	228	57	52	32,415

¹ Based on the revised (1960) Standard Industrial Classification and the New Establishment Concept; not directly comparable with previous years.

TABLE 40. Principal Statistics of the Manufacturing Industries, by Industrial Group and Number of Employees per Establishment, 1961¹

Industrial group and employee group	Estab- lish- ments	Total employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number				dollars	
All manufacturing industries:						
Under 5 employees	12,071	27,788	70,899,120	6,904,338	192,939,010	332,585,914
5 to 14 employees	9,239	76,825	244,712,791	20,934,820	612,356,968	1,092,658,388
15 " 49 "	6,434	173,974	601,294,267	44,258,203	1,467,666,847	2,676,001,532
50 " 99 "	2,276	157,952	566,439,218	43,045,919	1,495,527,348	2,718,508,831
100 " 199 "	1,249	173,351	658,730,041	61,695,556	1,788,154,880	3,279,907,234
200 " 499 "	809	244,688	1,028,359,342	99,413,689	2,705,592,754	4,937,312,556
500 " 999 "	228	158,965	737,224,213	99,102,976	1,914,259,295	3,629,735,198
1,000 " 1,499 "	57	71,500	353,525,453	59,760,974	968,135,513	1,765,708,258
1,500 employees and over	52	163,973	864,165,061	80,268,280	1,983,075,361	3,808,877,038
Head offices		15,930	106,097,465			
Totals	32,415	1,264,946	5,231,446,969	515,384,755	13,127,707,976	24,243,294,949
Food and beverage industries:						
Under 5 employees	2,948	7,747	17,717,988	3,284,344	106,564,800	144,393,360
5 to 14 employees	2,579	20,438	57,422,621	9,541,013	292,472,161	424,057,004
15 " 49 "	1,141	29,720	95,459,407	13,240,141	465,394,772	700,667,412
50 " 99 "	382	26,367	92,055,950	11,812,973	480,568,035	738,037,618
100 " 199 "	216	29,910	107,615,764	10,894,188	507,143,111	815,505,154
200 " 499 "	136	39,673	157,830,725	11,578,535	624,969,132	1,021,814,168
500 " 999 "	35	23,563	101,167,245	6,916,870	424,350,173	692,408,768
1,000 employees and over	7	9,898	48,899,887	2,957,999	247,211,004	368,550,844
Head offices		1,539	9,826,186			
Totals	7,444	188,855	687,995,973	70,226,063	3,148,673,188	4,905,434,328
Tobacco products industries:						
Under 5 employees	6	42	90,044	9,210	306,324	463,693
5 to 14 employees	8	209	569,043	38,182	1,958,771	3,579,561
15 " 99 "	5	394	1,123,832	71,199	4,985,985	9,199,441
100 " 199 "	6	966	3,246,070	188,704	66,370,472	83,849,046
200 " 499 "	7	1,877	7,024,844	274,242	35,300,278	60,629,772
500 employees and over	6	5,948	27,083,204	453,665	96,375,275	177,261,723
Head offices		6	16,841			
Totals	38	9,442	39,153,878	1,035,202	205,297,105	334,983,236
Rubber industries:						
Under 5 employees	17	43	128,303	4,861	122,133	330,180
5 to 14 employees	13	135	465,743	31,236	1,389,046	2,491,691
15 " 49 "	20	581	2,209,190	165,029	5,622,744	10,193,788
50 " 99 "	11	806	2,618,670	220,539	3,471,840	9,777,934
100 " 199 "	9	1,180	4,693,231	426,936	10,872,791	25,760,387
200 " 499 "	10	3,507	14,584,922	1,051,043	24,900,061	59,854,113
500 " 999 "	8	5,340	21,604,207	1,226,778	31,107,270	71,897,311
1,000 employees and over	5	7,018	34,138,743	2,149,625	71,198,069	150,829,309
Head offices		250	1,560,776			
Totals	93	18,860	82,003,785	5,276,047	148,683,954	331,134,713
Leather industries:						
Under 5 employees	113	240	619,795	35,783	1,296,698	2,390,027
5 to 14 employees	108	989	2,541,452	71,559	3,674,162	7,629,724
15 " 49 "	142	4,054	11,119,943	327,302	18,054,446	36,069,866
50 " 99 "	92	6,370	17,027,297	327,437	26,602,896	53,003,419
100 " 199 "	68	9,699	28,403,108	680,857	48,802,663	93,759,612
200 " 499 "	28	7,658	22,801,624	576,405	41,615,187	76,032,306
500 " 999 "	4	2,403	7,061,024	254,643	11,360,415	22,183,589
Totals	555	31,413	89,574,243	2,273,986	151,406,469	291,068,523
Textile industries:						
Under 5 employees	183	464	1,199,267	55,960	2,698,524	5,151,318
5 to 14 employees	266	2,293	6,348,995	301,351	11,648,773	23,048,918
15 " 49 "	227	6,173	18,337,138	1,059,899	50,186,549	84,857,773
50 " 99 "	82	5,709	17,944,318	1,147,733	47,995,656	83,974,059
100 " 199 "	48	6,642	21,705,288	1,502,465	59,881,458	97,649,926
200 " 499 "	55	16,822	54,994,587	3,642,379	126,325,726	226,913,919
500 " 999 "	15	10,762	37,291,009	2,936,298	74,453,444	146,650,816
1,000 " 1,499 "	3	4,100	15,861,398	1,385,330	53,096,591	109,981,078
1,500 employees and over	4	7,515	26,536,653	3,081,940	41,714,328	97,059,893
Head offices		2,064	12,339,136			
Totals	883	62,544	212,557,789	15,113,355	468,001,049	875,287,700
Knitting mills:						
Under 5 employees	40	107	297,854	14,597	2,252,670	3,094,882
5 to 14 employees	67	665	1,699,719	56,365	5,425,479	8,408,913
15 " 49 "	133	3,816	9,801,243	298,413	22,350,913	40,599,959
50 " 99 "	58	4,104	11,327,558	407,277	27,941,148	49,009,003
100 " 199 "	38	5,293	14,516,472	461,804	27,997,084	52,691,371
200 employees and over	22	7,182	18,527,829	688,468	31,494,673	65,491,850
Head offices		292	1,298,707			
Totals	358	21,459	57,469,382	1,926,924	117,361,967	219,295,978

See footnote at end of table.

TABLE 40. Principal Statistics of the Manufacturing Industries, by Industrial Group and Number of Employees per Establishment, 1961¹ - Continued

Industrial group and employee group	Estab- lish- ments	Total employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number				dollars	
Clothing industries:						
Under 5 employees	422	1,036	3,241,795	97,310	12,856,140	19,760,814
5 to 14 employees	583	5,260	15,157,903	291,520	45,617,611	72,101,532
15 " 49 "	808	23,209	62,041,521	840,907	108,796,999	205,368,057
50 " 99 "	311	21,672	56,174,659	644,591	103,241,685	194,071,684
100 " 199 "	130	18,006	47,168,307	591,356	81,502,299	159,005,552
200 " 499 "	45	12,553	32,896,472	384,997	49,366,410	101,407,371
500 employees and over	8	5,799	16,569,850	168,279	26,142,236	49,820,481
Head offices		193	1,137,972			
Totals	2,307	87,728	234,388,479	3,018,960	427,523,380	801,535,491
Wood industries:						
Under 5 employees	2,905	5,808	10,576,686	1,203,630	18,129,966	38,198,430
5 to 14 employees	1,276	10,629	28,814,268	3,098,505	54,484,462	104,068,746
15 " 49 "	748	19,974	65,137,724	6,263,814	105,276,602	265,799,265
50 " 99 "	201	13,829	49,879,056	3,750,382	107,705,721	191,719,159
100 " 199 "	72	9,653	35,445,489	2,272,298	73,507,233	132,655,130
200 " 499 "	38	11,009	46,915,089	2,059,263	90,544,884	160,217,394
500 employees and over	11	8,515	39,261,684	1,691,654	90,143,883	142,485,494
Head offices		625	4,300,708			
Totals	5,251	80,042	280,330,704	20,339,546	584,792,751	1,035,343,818
Furniture and fixture industries:						
Under 5 employees	1,163	2,350	6,556,528	349,131	7,250,711	17,706,802
5 to 14 employees	440	3,613	11,787,369	418,724	15,798,303	34,332,218
15 " 49 "	306	8,247	28,302,775	972,721	49,421,743	96,523,837
50 " 99 "	116	7,674	25,973,718	891,962	46,495,021	92,059,380
100 " 199 "	47	6,270	22,192,495	695,165	33,773,427	70,972,652
200 " 499 "	17	4,999	17,632,788	579,278	21,695,915	50,467,216
Totals	2,089	33,153	112,445,673	3,906,981	174,635,120	362,062,105
Paper and allied industries:						
Under 5 employees	51	129	361,538	23,997	1,228,361	2,117,523
5 to 14 employees	82	738	2,417,095	133,671	7,273,022	12,726,829
15 " 49 "	166	4,937	17,073,426	1,147,326	46,857,142	81,239,852
50 " 99 "	83	6,052	23,583,302	2,727,612	69,620,548	124,269,856
100 " 199 "	71	10,433	43,676,655	5,227,658	124,419,810	220,018,650
200 " 499 "	66	22,296	105,538,961	27,842,469	275,134,756	545,399,580
500 " 999 "	34	24,283	131,060,215	43,960,849	276,705,041	661,390,563
1,000 " 1,499 "	13	17,331	95,323,048	33,464,844	174,931,250	422,895,939
1,500 employees and over	3	5,357	28,786,940	7,761,066	45,332,952	135,675,263
Head offices		3,306	23,315,985			
Totals	569	94,862	471,137,165	122,289,492	1,021,502,882	2,205,734,055
Printing, publishing and allied industries:						
Under 5 employees	1,556	3,481	11,163,780	411,032	11,871,598	32,131,002
5 to 14 employees	1,068	8,747	32,722,802	835,988	26,552,042	80,890,600
15 " 49 "	536	13,555	56,115,434	1,259,588	48,304,175	145,506,289
50 " 99 "	139	9,728	41,450,218	864,504	32,643,736	103,284,623
100 " 199 "	78	10,999	50,244,551	872,232	41,211,810	133,817,302
200 " 499 "	36	11,378	54,763,123	1,078,761	44,258,046	148,418,398
500 " 999 "	9	6,165	31,474,802	451,742	34,915,433	100,875,242
1,000 employees and over	6	8,604	49,189,026	775,786	35,959,874	127,370,881
Head offices		122	777,134			
Totals	3,428	72,779	327,900,870	6,549,633	275,716,714	872,292,337
Primary metal industries:						
Under 5 employees	61	147	415,135	51,346	658,022	1,418,121
5 to 14 employees	90	788	2,852,468	244,114	5,442,422	10,641,349
15 " 49 "	107	3,080	12,110,070	1,021,047	37,567,421	59,529,938
50 " 99 "	53	3,649	16,038,830	1,655,631	81,874,262	116,688,643
100 " 199 "	34	4,679	21,817,210	3,057,920	111,517,921	162,410,061
200 " 499 "	33	9,453	45,872,204	11,480,196	185,016,539	284,759,095
500 " 999 "	15	10,353	52,453,854	17,306,760	255,717,234	421,108,961
1,000 " 1,499 "	4	4,522	23,087,181	8,989,759	225,967,934	279,528,299
1,500 employees and over	13	49,748	277,456,514	44,091,229	687,906,286	1,470,399,320
Head offices		819	5,515,885			
Totals	410	87,238	457,619,351	87,898,002	1,591,688,041	2,806,483,787
Metal fabricating industries (except machinery and transportation equipment industries):						
Under 5 employees	833	2,089	6,353,778	442,525	8,340,266	20,818,829
5 to 14 employees	923	7,797	29,486,624	1,532,952	37,754,482	69,212,011
15 " 49 "	714	18,779	77,954,030	3,442,755	131,326,926	273,160,689
50 " 99 "	187	13,076	56,675,530	2,576,685	114,496,421	224,912,997
100 " 199 "	99	13,111	56,758,476	2,968,609	94,626,643	202,718,797
200 " 499 "	87	26,633	126,749,034	5,589,051	243,578,462	475,363,154
500 employees and over	16	12,948	66,923,810	2,405,093	104,276,906	206,504,368
Head offices		178	1,014,662			
Totals	2,859	94,611	421,915,944	18,959,670	734,400,126	1,492,690,645

See footnote at end of table.

TABLE 40. Principal Statistics of the Manufacturing Industries, by Industrial Group and Number of Employees per Establishment, 1961¹ - Concluded

Industrial group and employee group	Estab- lish- ments	Total employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Machinery industries (except electrical machinery):						
Under 5 employees.....	61	164	578,757	36,585	1,229,782	2,354,232
5 to 14 employees.....	152	1,312	5,189,854	235,494	9,369,156	19,744,951
15 " 49 ".....	172	4,709	19,565,791	777,170	33,084,984	71,272,835
50 " 99 ".....	74	5,110	22,752,486	838,896	41,291,578	81,290,702
100 " 199 ".....	44	6,209	28,709,490	948,439	42,715,811	97,612,365
200 " 499 ".....	33	9,666	45,634,328	1,260,656	66,752,489	152,099,433
500 " 999 ".....	5	3,781	17,280,246	1,202,817	33,453,877	64,456,791
1,000 employees and over.....	5	11,130	55,879,240	1,560,203	76,046,266	150,908,117
Head offices.....		2	16,253			
Totals.....	546	42,083	195,606,445	6,860,260	303,943,943	639,739,426
Transportation equipment industries:						
Under 5 employees.....	196	434	1,109,506	56,926	1,214,279	3,371,741
5 to 14 employees.....	148	1,239	4,310,674	181,852	5,568,192	12,477,908
15 " 49 ".....	134	3,759	14,447,418	585,921	21,336,557	48,404,869
50 " 99 ".....	66	4,685	19,390,255	954,701	28,983,414	62,530,451
100 " 199 ".....	45	6,257	25,744,670	1,405,271	44,898,067	96,818,134
200 " 499 ".....	44	13,745	64,261,871	3,570,796	98,501,254	197,843,374
500 " 999 ".....	18	13,094	62,603,965	2,136,753	91,694,191	173,729,776
1,000 " 1,499 ".....	6	7,182	33,111,323	1,172,266	26,493,501	68,664,054
1,500 employees and over.....	14	56,700	292,941,425	10,059,189	811,480,703	1,296,936,847
Head offices.....		614	4,549,240			
Totals.....	671	107,709	522,470,347	20,123,675	1,130,170,158	1,960,777,154
Electrical products industries:						
Under 5 employees.....	63	166	543,886	24,564	1,403,583	2,743,526
5 to 14 employees.....	87	773	2,734,850	119,985	5,287,877	10,771,327
15 " 49 ".....	140	4,137	15,012,253	728,790	39,460,219	72,051,733
50 " 99 ".....	80	5,499	19,234,031	690,509	43,383,325	84,792,781
100 " 199 ".....	60	8,702	32,384,348	1,288,162	69,853,644	131,937,535
200 " 499 ".....	68	20,984	90,068,208	3,053,555	184,274,238	355,854,941
500 " 999 ".....	22	15,311	71,535,962	2,988,279	116,522,651	247,509,257
1,000 " 1,499 ".....	6	7,445	32,378,610	809,891	57,431,387	101,882,952
1,500 employees and over.....	5	16,064	86,748,320	1,632,654	67,734,630	197,990,269
Head offices.....		450	2,927,611			
Totals.....	531	79,531	353,568,079	11,336,389	585,351,554	1,205,534,321
Non-metallic mineral products industries:						
Under 5 employees.....	391	968	2,401,505	291,539	3,633,804	8,610,528
5 to 14 employees.....	460	3,910	13,304,187	2,155,018	24,982,090	51,961,643
15 " 49 ".....	268	7,087	27,905,501	6,223,830	49,764,540	115,320,018
50 " 99 ".....	87	6,080	26,219,094	7,118,137	41,198,769	109,663,885
100 " 199 ".....	55	7,438	35,159,907	13,785,327	56,650,603	165,423,884
200 " 499 ".....	22	6,704	32,776,204	12,237,897	40,817,556	133,888,851
500 employees and over.....	9	7,443	32,992,617	4,689,191	33,069,046	89,944,007
Head offices.....		498	3,328,171			
Totals.....	1,292	40,128	174,087,186	46,500,939	250,116,408	675,012,816
Petroleum and coal products industries:						
Under 5 employees.....	17	44	196,611	106,138	1,030,637	1,782,494
5 to 14 employees.....	20	164	692,962	127,199	3,305,729	5,926,132
15 " 49 ".....	13	423	2,058,991	290,768	17,384,708	28,472,757
50 " 99 ".....	9	603	3,294,547	669,049	34,969,358	49,090,879
100 " 199 ".....	14	2,108	12,459,894	2,433,264	152,208,925	205,374,686
200 " 499 ".....	14	4,229	25,164,147	5,729,367	403,101,826	530,432,424
500 employees and over.....	4	3,584	21,743,034	1,995,417	308,629,155	399,114,392
Head offices.....		2,898	19,729,678			
Totals.....	91	14,053	85,339,864	11,351,202	920,630,338	1,220,193,764
Chemical and chemical products industries:						
Under 5 employees.....	302	695	2,184,744	153,933	5,927,947	12,130,745
5 to 14 employees.....	296	2,535	10,261,168	806,865	35,594,216	71,914,319
15 " 49 ".....	266	7,257	30,764,841	4,180,429	112,653,285	216,719,343
50 " 99 ".....	108	7,473	32,844,968	4,663,672	105,141,301	231,128,232
100 " 199 ".....	56	7,762	36,789,336	11,096,801	89,708,758	228,335,028
200 " 499 ".....	26	7,762	38,372,494	6,000,484	79,470,619	200,869,966
500 employees and over.....	18	16,761	89,175,246	27,791,632	195,447,729	472,780,525
Head offices.....		1,922	13,611,496			
Totals.....	1,072	52,167	254,004,293	54,693,816	623,943,855	1,433,878,158
Miscellaneous manufacturing industries:						
Under 5 employees.....	747	1,674	5,246,790	259,952	5,225,774	14,071,338
5 to 14 employees.....	577	4,760	16,416,667	742,384	20,414,734	49,798,922
15 " 49 ".....	385	10,268	35,308,528	1,394,171	57,843,351	122,663,691
50 " 99 ".....	132	9,072	30,830,897	1,010,430	52,916,647	109,804,085
100 " 199 ".....	59	8,034	29,999,280	858,100	50,592,350	103,391,962
200 " 499 ".....	24	7,695	28,759,912	891,825	43,869,583	100,210,921
500 employees and over.....	4	4,634	24,484,421	507,751	33,006,535	74,871,675
Head offices.....		152	831,024			
Totals.....	1,928	46,289	171,877,519	5,704,613	263,868,974	574,812,594

¹ Based on the revised (1960) Standard Industrial Classification and the New Establishment Concept; not directly comparable with previous years.

SECTION C. SIZE OF MANUFACTURING ESTABLISHMENTS BASED ON THE SELLING VALUE OF FACTORY SHIPMENTS

Although historical statistics on the value of manufacturing output in Canada are not strictly comparable because of differences in concept and coverage introduced over the years, there has been a general trend toward large establishments accounting for an increasing proportion of total output. In 1922, when the series on value groups was first compiled, 420 establishments each producing \$1,000,000 and over accounted for 51 per cent of total production. By 1929 there had been a substantial increase in both numbers and proportion, with 719 establishments in this category producing 62 per cent of the total. Although the number of establishments and their proportion of the total had dropped rather sharply by 1932 to 482 and 53 per cent, respectively, these had again increased to 601 and 57 per cent of the total in 1939.

With the increased production associated with the war effort, the number of plants with output valued at \$1,000,000 and over more than doubled to 1,376 in 1944, accounting for 75 per cent of the total value of manufactures. With the end of the Second World War and the consequent decline in production of many of the larger war plants, the proportion of total production accounted for by establishments with output valued at \$1,000,000 and over had declined to 67 per cent in 1946 despite an increase in their number to 1,442. By 1961 the number of such establishments had again more than doubled to 3,613, accounting for \$19,947.6 million to 82 per cent of the total value of factory shipments. During this same 15-year period, the proportion accounted for by establishments with outputs of \$5,000,000 and over increased from 49.9 to 57.5 per cent of the total.

TABLE 41. Establishments in the Manufacturing Industries classified by Value of Production, 1929, 1939, 1944 and 1949 and by Selling Value of Factory Shipments, 1954 and 1961

Value group	1929 ^{1,2}				1939 ³			
	Estab- lish- ments	Total production ⁴	Average per establish- ment	Proportion of total production	Estab- lish- ments	Total production ⁴	Average per establish- ment	Proportion of total production
	No.	dollars		per cent	No.	dollars		per cent
Under \$25,000	14,024	106,735,470	7,611	2.6	15,623	120,903,054	7,739	3.5
\$ 25,000 to \$ 49,999	2,802	99,529,725	35,521	2.4	2,803	99,558,383	35,519	2.9
50,000 " 99,999	2,209	156,308,744	70,760	3.8	2,215	156,410,769	70,614	4.5
100,000 " 199,999	1,688	237,532,492	140,718	5.8	1,584	225,582,130	142,413	6.5
200,000 " 499,999	1,519	504,218,217	331,941	12.4	1,285	390,626,844	308,990	11.2
500,000 " 999,999	636	443,597,677	697,481	10.9	689	466,441,130	676,983	13.4
1,000,000 " 4,999,999	601	1,217,866,089	2,026,400	30.0	520	1,091,293,939	2,098,642	31.4
5,000,000 and over	118	1,298,198,865	11,001,685	31.9	81	923,724,311	11,404,004	26.6
Totals and averages	23,597	4,063,987,279	172,225	100.0	24,800	3,474,540,560	140,102	100.0
1944 ⁴					1949			
Under \$25,000	13,942	128,782,147	9,237	1.4	16,176	145,907,685	9,020	1.2
\$ 25,000 to \$ 49,999	4,011	143,023,914	35,658	1.6	4,884	174,899,010	35,810	1.4
50,000 " 99,999	3,442	245,273,500	71,259	2.7	4,487	320,878,071	71,513	2.6
100,000 " 199,999	2,513	355,235,489	141,359	3.9	3,630	514,921,581	141,852	4.1
200,000 " 499,999	2,256	714,546,348	316,731	7.9	3,195	1,000,486,294	313,141	8.0
500,000 " 999,999	943	661,670,696	701,666	7.3	1,494	1,041,235,578	696,945	8.3
1,000,000 " 4,999,999	1,089	2,294,546,053	2,107,021	25.3	1,505	3,164,936,378	2,102,948	25.4
5,000,000 and over	287	4,530,614,372	15,786,113	49.9	421	6,116,328,703	14,528,097	49.0
Totals and averages	28,483	9,073,692,519	318,565	100.0	35,792	12,479,593,300	348,670	100.0
1954					1961 ⁵			
Under \$25,000	15,734	145,633,669	9,258	0.8	8,788	101,796,226	11,584	0.4
\$ 25,000 to \$ 49,999	5,278	189,699,244	35,942	1.1	4,530	162,752,093	35,928	0.7
50,000 " 99,999	4,705	337,580,457	71,749	1.9	4,434	319,653,784	72,092	1.3
100,000 " 199,999	4,070	577,543,265	141,903	3.3	4,194	601,098,287	143,323	2.5
200,000 " 499,999	3,833	1,209,151,102	315,458	8.9	4,484	1,437,837,546	320,660	5.9
500,000 " 999,999	1,883	1,390,925,128	738,675	7.9	2,372	1,672,586,786	705,138	6.9
1,000,000 " 4,999,999	1,958	4,065,420,589	2,076,313	23.2	2,823	6,019,674,443	2,132,368	24.8
5,000,000 and over	567	9,638,574,050	16,999,249	54.9	790	13,927,895,804	17,630,246	57.5
Totals and averages	38,628	17,554,527,504	461,621	100.0	32,415	24,243,294,949	747,904	100.0

¹ Includes central electric stations and dyeing, cleaning and laundry establishments.

² Exclusive of Yukon and the Northwest Territories and Newfoundland.

³ Gross value of products for 1929, 1939, 1944 and 1949; selling value of factory shipments for 1954 and 1961.

⁴ Exclusive of Newfoundland.

⁵ Based on the revised (1960) Standard Industrial Classification and New Establishment Concept; not directly comparable with previous years.

The dominant role of the large establishment in Canadian manufacturing is particularly evident in the leading industries. Establishments with a selling value of factory shipments of \$1,000,000 and over in 1961 accounted for 99 per cent or more of the total in five of the six leading industries: pulp and paper mills, smelting and refining, petroleum refining, motor vehicle manufacturers and iron and steel mills. Such establishments accounted for between 95.0 and 98.9 per cent in five other in-

dustries: cotton yarn and cloth mills, 98.6; breweries, 97.8; synthetic textile mills, 96.6; aircraft and parts manufacturers, 95.8; and slaughtering and meat packing plants, 95.6 per cent. For only two of the top 25 industries did the proportion of the total selling value of factory shipments accounted for by such establishments fall below 50 per cent; these were butter and cheese plants with 40.7 per cent and women's clothing factories with 39.3 per cent.

TABLE 42. Number and Relative Importance of Establishments with Selling Value of Factory Shipments of \$1,000,000 and Over in the Twenty-five Leading Industries, 1961¹

No.	Industry	Number of such establishments	Percentage of total number in the industry	Percentage of total value of shipments in the industry
1	Pulp and paper mills	110	88.0	99.5
2	Smelting and refining	22	91.7	99.9
3	Petroleum refining	43	97.7	99.9
4	Slaughtering and meat packing plants	98	40.5	95.6
5	Motor vehicle manufacturers	14	82.4	99.8
6	Iron and steel mills	30	71.4	99.1
7	Sawmills	96	2.9	57.2
8	Manufacturers of industrial chemicals	52	40.6	93.9
9	Pasteurizing plants	96	13.1	66.7
10	Miscellaneous food manufacturers	84	31.5	89.3
11	Miscellaneous machinery and equipment manufacturers	106	25.2	79.1
12	Metal stamping, pressing and coating industry	73	16.7	78.6
13	Printing and publishing	59	7.8	80.5
14	Bakeries	70	2.8	53.5
15	Motor vehicle parts and accessories manufacturers	47	37.3	92.9
16	Aircraft and parts manufacturers	27	33.8	95.8
17	Fruit and vegetable canners and preservers	69	20.6	81.1
18	Butter and cheese plants	58	6.3	40.7
19	Feed manufacturers	55	5.7	52.3
20	Men's clothing factories	69	14.1	56.0
21	Women's clothing factories	71	11.2	39.3
22	Breweries	42	77.8	97.8
23	Communications equipment manufacturers	35	28.0	89.2
24	Synthetic textile mills	37	66.1	96.6
25	Cotton yarn and cloth mills	31	79.5	98.6

¹ Based on the revised (1960) Standard Industrial Classification and New Establishment Concept; not directly comparable with previous years.

Of the 3,613 manufacturing establishments in 1961 with selling value of factory shipments of \$1,000,000 and over, 1,749 or almost one half were located in Ontario and 1,044 in Quebec. Except for Prince Edward Island, such establishments accounted for more than 70 per cent of total value of shipments in their respective provinces, with the highest proportion, 85.3

per cent, occurring in Ontario. That province also had the highest proportion of total Canadian shipments in this category, 42.1 per cent, followed by Quebec with 24.2 per cent. For Canada as a whole, such establishments accounted for 82.3 per cent of the \$24,243 million of factory shipments in 1961.

TABLE 43. Number and Relative Importance of Establishments with Selling Value of Factory Shipments of \$1,000,000 and Over, by Province, 1961¹

Province	Total number of establishments in the manufacturing industries	Number of establishments with selling value of shipments of \$1,000,000 and over	Percentage of total number of such establishments in Canada	Percentage of total number of all manufacturing establishments in province	Percentage of total value of shipments in Canada accounted for by such establishments	Percentage of total value of shipments in each province accounted for by such establishments
Newfoundland	338	25	0.7	7.4	0.4	78.9
Prince Edward Island	156	6	0.2	3.8	0.1	57.0
Nova Scotia	1,002	64	1.8	6.4	1.2	72.5
New Brunswick	708	57	1.6	8.0	1.3	79.8
Quebec	10,955	1,044	28.9	9.5	24.2	80.1
Ontario	12,081	1,749	48.4	14.5	42.1	85.3
Manitoba	1,416	139	3.8	9.8	2.4	74.9
Saskatchewan	675	50	1.4	7.4	1.1	77.2
Alberta	1,569	156	4.3	9.9	3.1	81.0
British Columbia	3,502	322	8.9	9.2	6.5	79.5
Yukon and Northwest Territories	13	1	²	7.7	³	³
Canada	32,415	3,613	100.0	11.1	82.3	82.3

¹ Based on the revised (1960) Standard Industrial Classification and New Establishment Concept; not directly comparable with previous years.

² Less than 0.05 per cent.

³ Confidential.

TABLE 44. Principal Statistics of the Manufacturing Industries, by Industrial Group and Selling Value of Factory Shipments, 1981¹

Industrial group and value group	Estab- lish- ments	Total employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
All manufacturing industries:						
Under \$10,000	4,004	5,756	9,211,070	866,286	7,616,128	21,340,387
\$ 10,000 to \$ 24,999	4,784	13,466	30,697,808	2,452,892	32,652,703	80,455,839
25,000 " 49,999	4,530	22,624	59,910,917	4,196,491	68,003,150	162,752,093
50,000 " 99,999	4,434	37,560	106,625,076	7,507,075	144,640,156	319,653,784
100,000 " 199,999	4,194	57,789	182,499,249	12,154,460	296,808,931	601,098,287
200,000 " 499,999	4,484	115,925	383,008,940	24,897,449	751,426,638	1,437,837,546
500,000 " 999,999	2,372	123,644	427,208,092	26,777,284	883,605,784	1,672,586,766
1,000,000 " 4,999,999	2,823	359,225	1,388,399,653	101,164,354	3,146,196,527	6,019,674,443
5,000,000 and over	790	513,027	2,535,788,699	335,368,464	7,796,757,959	13,927,895,804
Head offices		15,930	106,097,465			
Totals	32,415	1,264,946	5,231,446,969	515,384,755	13,127,707,976	24,243,294,949
Food and beverage industries:						
Under \$10,000	450	772	919,240	148,843	1,172,240	2,598,776
\$ 10,000 to \$ 24,999	1,040	2,870	5,473,487	742,643	9,177,452	18,155,528
25,000 " 49,999	1,119	4,776	10,410,741	1,464,953	21,890,225	40,213,109
50,000 " 99,999	1,206	7,548	18,881,835	2,697,466	53,039,598	87,791,664
100,000 " 199,999	1,186	10,848	30,212,647	4,551,010	111,610,404	170,268,970
200,000 " 499,999	1,120	18,125	53,158,118	7,750,044	233,395,908	352,569,879
500,000 " 999,999	509	18,895	59,232,804	7,544,360	234,632,048	360,584,043
1,000,000 " 4,999,999	621	57,148	204,566,236	21,723,994	843,353,403	1,367,550,903
5,000,000 and over	193	66,334	295,314,679	23,602,730	1,639,921,110	2,505,701,456
Head offices		1,539	9,826,186			
Totals	7,444	188,855	687,995,973	70,226,063	3,149,673,188	4,905,434,328
Tobacco products industries:						
Under \$10,000	5	36	77,331	4,395	71,990	174,230
\$ 10,000 to \$ 24,999	3	66	175,377	8,227	159,862	447,032
25,000 " 49,999	6	404	954,484	58,867	1,260,806	2,490,990
50,000 " 99,999	8	861	2,486,544	96,216	9,270,020	17,441,960
1,000,000 " 4,999,999	16	8,069	35,443,301	867,497	194,534,427	314,429,024
Head offices		6	16,841			
Totals	38	9,442	39,153,878	1,035,202	205,297,105	334,983,236
Rubber industries:						
Under \$10,000	4	4	6,626	782	10,355	16,694
\$ 10,000 to \$ 24,999	10	33	64,575	3,769	58,760	171,061
25,000 " 49,999	4	19	46,486	1,577	46,722	128,873
50,000 " 99,999	4	27	104,017	4,235	129,519	331,868
100,000 " 199,999	9	169	436,272	35,993	659,568	1,384,163
200,000 " 499,999	13	417	1,469,392	100,402	1,480,133	4,205,699
500,000 " 999,999	12	587	2,145,936	159,133	4,500,809	9,341,545
1,000,000 " 4,999,999	17	2,635	9,483,736	657,350	17,029,019	41,859,618
5,000,000 and over	20	14,719	66,665,969	4,312,806	124,769,069	273,695,192
Head offices		250	1,560,776			
Totals	93	18,860	82,003,785	5,276,047	146,683,954	331,134,713
Leather industries:						
Under \$10,000	47	57	109,427	8,032	109,760	261,113
\$ 10,000 to \$ 24,999	49	137	319,290	19,860	359,662	813,953
25,000 " 49,999	48	276	681,590	20,050	875,710	1,835,003
50,000 " 99,999	69	731	1,848,623	48,850	2,376,486	5,196,578
100,000 " 199,999	63	1,276	3,329,495	76,159	4,301,610	9,058,980
200,000 " 499,999	121	5,118	13,368,413	308,153	21,055,901	41,721,540
500,000 " 999,999	70	5,783	15,474,765	262,686	23,089,916	47,421,236
1,000,000 " 4,999,999	83	15,973	46,244,191	1,028,238	78,602,208	152,207,904
5,000,000 and over	5	2,062	8,198,449	501,938	20,635,196	32,552,216
Totals	555	31,413	89,574,243	2,273,986	151,406,469	291,068,523
Textile industries:						
Under \$10,000	73	153	235,919	9,353	107,139	424,840
\$ 10,000 to \$ 24,999	80	344	666,279	25,283	472,895	1,397,685
25,000 " 49,999	123	763	1,844,880	72,559	1,591,954	4,464,848
50,000 " 99,999	114	1,279	3,237,266	183,980	3,061,347	8,165,397
100,000 " 199,999	132	2,115	5,876,468	305,606	8,541,839	18,790,320
200,000 " 499,999	112	3,283	9,765,131	505,204	18,613,788	36,172,740
500,000 " 999,999	76	4,256	12,886,617	839,733	33,312,041	55,208,731
1,000,000 " 4,999,999	138	21,951	71,864,710	4,644,828	177,684,034	310,319,846
5,000,000 and over	35	26,336	93,841,385	8,546,809	224,616,012	440,343,293
Head offices		2,064	12,339,136			
Totals	883	62,544	212,557,789	15,113,355	468,001,049	875,287,700

See footnote at end of table.

TABLE 44. Principal Statistics of the Manufacturing Industries, by Industrial Group and Selling Value of Factory Shipments, 1961¹ - Continued

Industrial group and value group	Estab- lish- ments	Total employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number				dollars	
Knitting mills:						
Under \$10,000.....	13	40	45,353	4,121	28,582	74,921
\$ 10,000 to \$ 24,999.....	11	45	61,873	1,219	92,018	183,003
25,000 " 49,999.....	31	227	410,728	20,642	598,554	1,173,737
50,000 " 99,999.....	35	442	850,638	30,244	1,157,161	2,462,049
100,000 " 199,999.....	41	762	1,729,931	58,870	3,158,794	5,827,018
200,000 " 499,999.....	105	3,395	9,043,932	290,452	18,963,408	34,279,239
500,000 " 999,999.....	58	4,260	11,316,267	301,892	22,232,312	41,695,761
1,000,000 and over.....	64	11,996	32,711,953	1,219,484	71,131,138	133,600,250
Head offices.....		292	1,296,707			
Totals.....	358	21,459	57,469,382	1,926,924	117,361,967	219,295,978
Clothing industries:						
Under \$10,000.....	87	167	282,521	7,831	168,717	542,738
\$ 10,000 to \$ 24,999.....	171	727	1,366,620	43,890	1,006,757	2,874,392
25,000 " 49,999.....	265	2,233	4,355,474	114,240	3,587,786	9,575,384
50,000 " 99,999.....	397	5,458	11,896,838	207,263	11,923,615	28,623,487
100,000 " 199,999.....	393	8,303	20,819,483	311,904	27,483,614	57,220,392
200,000 " 499,999.....	536	18,828	50,157,987	650,284	92,362,266	171,297,611
500,000 " 999,999.....	274	19,026	52,210,385	618,584	105,752,416	189,934,248
1,000,000 " 4,999,999.....	179	28,796	80,871,327	954,942	165,741,189	305,170,084
5,000,000 and over.....	5	3,997	11,289,872	110,022	19,497,020	36,287,175
Head offices.....		193	1,137,972			
Totals.....	2,307	87,728	234,388,479	3,018,960	427,523,380	801,535,491
Wood industries:						
Under \$10,000.....	1,579	2,181	3,004,647	372,202	2,725,546	7,508,491
\$ 10,000 to \$ 24,999.....	1,045	3,073	5,774,750	654,796	7,355,325	17,018,796
25,000 " 49,999.....	705	3,694	6,263,523	838,693	11,491,160	24,946,477
50,000 " 99,999.....	580	5,082	13,516,640	1,435,845	20,034,365	41,586,901
100,000 " 199,999.....	440	6,533	18,575,229	1,840,340	32,152,245	62,621,762
200,000 " 499,999.....	456	12,304	39,807,990	3,832,902	80,079,924	146,711,055
500,000 " 999,999.....	234	12,258	42,763,414	3,046,388	92,582,694	164,589,571
1,000,000 " 4,999,999.....	193	22,543	89,348,241	6,125,371	209,221,743	365,515,516
5,000,000 and over.....	19	11,749	54,975,562	2,193,009	129,149,749	204,845,049
Head offices.....		625	4,300,708			
Totals.....	5,251	80,042	280,330,704	20,339,546	584,792,751	1,035,343,618
Furniture and fixture industries:						
Under \$10,000.....	458	541	1,178,937	62,384	925,641	2,622,100
\$ 10,000 to \$ 24,999.....	523	1,232	3,398,013	180,591	3,413,491	8,632,600
25,000 " 49,999.....	314	1,406	4,315,780	197,181	4,373,970	10,952,771
50,000 " 99,999.....	212	1,839	5,810,139	215,844	6,559,566	15,260,211
100,000 " 199,999.....	173	2,535	8,200,865	293,941	11,643,989	24,499,628
200,000 " 499,999.....	206	6,268	21,020,222	739,623	33,183,022	66,889,380
500,000 " 999,999.....	121	7,278	24,828,124	824,595	41,958,097	83,109,242
1,000,000 " 4,999,999.....	82	12,054	43,693,593	1,392,822	72,577,344	150,096,173
Totals.....	2,089	33,153	112,445,673	3,906,981	174,635,120	362,062,105
Paper and allied industries:						
Under \$10,000.....	7	8	13,959	490	14,844	35,150
\$ 10,000 to \$ 24,999.....	20	59	122,742	8,638	170,872	360,095
25,000 " 49,999.....	24	101	284,865	17,896	382,997	904,438
50,000 " 99,999.....	27	223	630,068	28,486	1,084,735	2,066,814
100,000 " 199,999.....	85	954	2,663,062	108,767	4,924,820	9,501,216
200,000 " 499,999.....	100	2,616	8,619,317	452,920	18,122,379	33,502,590
500,000 " 999,999.....	66	3,037	10,626,774	1,251,663	23,476,806	44,400,777
1,000,000 " 4,999,999.....	154	18,805	79,080,309	8,989,425	206,914,431	367,212,296
5,000,000 and over.....	106	65,753	345,810,084	111,431,207	766,410,998	1,747,750,679
Head offices.....		3,306	23,315,985			
Totals.....	569	94,862	471,137,165	122,289,492	1,021,502,882	2,205,734,055
Printing, publishing and allied industries:						
Under \$10,000.....	443	564	1,070,183	71,867	842,717	2,541,266
\$ 10,000 to \$ 24,999.....	701	1,734	4,960,272	218,662	3,962,292	11,809,905
25,000 " 49,999.....	700	3,210	10,964,421	327,183	8,033,042	25,161,516
50,000 " 99,999.....	566	4,854	17,410,057	458,701	12,094,279	39,895,757
100,000 " 199,999.....	421	6,299	25,041,866	586,445	18,858,087	59,287,317
200,000 " 499,999.....	324	9,602	40,408,654	861,522	34,173,938	101,914,787
500,000 " 999,999.....	125	8,149	35,114,054	725,153	27,393,285	89,190,695
1,000,000 " 4,999,999.....	123	19,555	91,309,950	1,689,987	78,008,455	244,309,345
5,000,000 and over.....	25	18,690	100,844,279	1,600,113	92,350,619	298,181,749
Head offices.....		122	777,134			
Totals.....	3,428	72,779	327,900,870	6,549,633	275,716,714	872,292,337

See footnote at end of table.

TABLE 44. Principal Statistics of the Manufacturing Industries, by Industrial Group and Selling Value of Factory Shipments, 1961¹ - Continued

Industrial group and value group	Estab- lish- ments	Total employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number				dollars	
Primary metal industries:						
Under \$10,000	16	29	44,143	5,809	32,462	98,144
\$ 10,000 to \$ 24,999	32	89	231,040	17,588	211,484	539,080
25,000 " 49,999	29	169	420,513	50,491	373,650	991,881
50,000 " 99,999	45	387	1,357,366	118,182	1,463,418	3,232,742
100,000 " 199,999	63	1,068	3,789,714	273,463	3,455,281	9,233,405
200,000 " 499,999	57	2,021	7,748,869	567,194	6,969,665	18,835,671
500,000 " 999,999	43	2,657	11,249,053	882,679	13,499,832	32,101,231
1,000,000 " 4,999,999	66	9,665	43,540,129	6,785,377	94,728,843	172,066,581
5,000,000 and over	59	70,334	383,722,639	79,197,219	1,470,953,406	2,569,385,052
Head offices		819	5,515,885			
Totals	410	87,238	457,619,351	87,898,002	1,591,688,041	2,806,483,787
Metal fabricating industries (except machinery and transportation equipment industries):						
Under \$10,000	202	305	546,332	56,951	394,343	1,226,007
\$ 10,000 to \$ 24,999	391	1,070	2,835,383	203,439	2,224,401	6,539,741
25,000 " 49,999	430	2,101	6,916,497	372,731	5,084,159	15,592,436
50,000 " 99,999	447	3,703	13,534,434	654,088	11,503,655	32,149,222
100,000 " 199,999	416	6,056	23,736,389	1,054,088	22,018,830	59,155,605
200,000 " 499,999	439	11,175	45,836,818	2,046,741	62,716,176	140,890,153
500,000 " 999,999	211	9,905	42,403,623	1,799,590	72,547,399	150,946,674
1,000,000 " 4,999,999	274	36,203	158,744,883	7,404,205	282,839,644	591,166,972
5,000,000 and over	49	23,915	126,346,923	5,367,837	275,071,519	495,022,035
Head offices		178	1,014,662			
Totals	2,859	94,611	421,915,944	18,959,670	734,400,126	1,492,690,645
Machinery industries (except electrical machinery):						
Under \$10,000	14	31	81,449	5,130	38,255	93,049
\$ 10,000 to \$ 24,999	29	110	278,069	15,725	195,944	536,129
25,000 " 49,999	35	196	621,738	25,954	551,784	1,304,645
50,000 " 99,999	60	505	1,788,088	73,626	1,553,055	4,424,112
100,000 " 199,999	102	1,448	5,354,258	232,669	6,133,217	14,975,921
200,000 " 499,999	99	2,405	10,547,303	398,687	13,373,033	30,677,456
500,000 " 999,999	71	3,525	16,103,995	558,561	23,783,972	50,983,317
1,000,000 " 4,999,999	117	15,574	71,414,020	2,295,865	109,619,187	243,357,634
5,000,000 and over	19	18,287	89,403,272	3,254,043	148,695,496	293,387,163
Head offices		2	16,253			
Totals	546	42,083	195,606,445	6,860,260	303,943,943	639,739,426
Transportation equipment industries:						
Under \$10,000	70	116	203,668	13,939	135,066	385,805
\$ 10,000 to \$ 24,999	98	254	640,177	28,946	538,931	1,569,534
25,000 " 49,999	81	408	1,141,912	45,425	1,004,456	2,831,005
50,000 " 99,999	62	576	2,016,695	82,081	1,879,920	4,511,887
100,000 " 199,999	74	1,277	4,553,700	188,995	4,408,038	11,068,625
200,000 " 499,999	70	2,273	8,630,189	449,236	9,901,651	23,954,432
500,000 " 999,999	68	4,018	18,424,718	605,303	20,176,258	47,168,304
1,000,000 " 4,999,999	99	18,237	79,684,751	3,537,434	107,824,551	233,667,282
5,000,000 and over	49	79,936	404,625,297	15,172,316	984,501,287	1,635,620,280
Head offices		614	4,549,240			
Totals	671	107,709	522,470,347	20,123,675	1,130,170,158	1,960,777,154
Electrical products industries:						
Under \$10,000	12	16	32,388	2,019	25,970	73,827
\$ 10,000 to \$ 24,999	19	56	133,382	5,416	168,077	362,789
25,000 " 49,999	32	130	403,064	20,544	588,299	1,204,488
50,000 " 99,999	46	409	1,212,488	57,284	1,489,518	3,424,215
100,000 " 199,999	57	888	2,963,783	124,563	3,779,848	8,249,030
200,000 " 499,999	90	2,837	8,942,664	302,546	13,556,154	30,473,493
500,000 " 999,999	72	4,278	14,459,906	497,033	26,690,562	52,806,785
1,000,000 " 4,999,999	143	22,949	91,953,470	3,447,248	175,656,118	344,897,140
5,000,000 and over	60	47,518	230,539,323	6,879,736	363,401,010	764,042,574
Head offices		450	2,927,611			
Totals	531	79,531	353,568,679	11,336,389	585,351,554	1,205,534,321
Non-metallic mineral products industries:						
Under \$10,000	149	251	341,253	37,345	264,063	764,774
\$ 10,000 to \$ 24,999	165	543	1,258,611	116,718	995,673	2,753,092
25,000 " 49,999	179	932	2,557,634	337,794	2,449,811	6,568,076
50,000 " 99,999	177	1,413	4,382,280	740,316	4,863,852	12,972,062
100,000 " 199,999	183	2,420	8,474,405	1,318,160	10,802,831	26,259,206
200,000 " 499,999	190	4,390	16,820,490	3,562,730	25,479,726	59,854,621
500,000 " 999,999	98	4,094	16,585,449	3,839,143	30,585,686	67,302,524
1,000,000 " 4,999,999	120	12,878	60,300,535	16,376,517	95,353,998	251,878,360
5,000,000 and over	31	12,709	60,038,358	20,172,216	79,320,968	246,860,101
Head offices		498	3,328,171			
Totals	1,292	40,128	174,087,186	46,500,938	250,116,408	675,012,816

See footnote at end of table.

TABLE 44. Principal Statistics of the Manufacturing Industries, by Industrial Group and Selling Value of Factory Shipments, 1961¹ — Concluded

Industrial group and value group	Estab- lish- ments	Total employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Petroleum and coal products industries:						
Under \$10,000	3	3	13,505	1,326	1,424	13,141
\$ 10,000 to \$ 24,999	5	14	38,694	14,433	43,709	90,007
25,000 " 49,999	3	8	26,945	1,490	50,467	100,857
50,000 " 99,999	8	44	171,242	32,797	208,748	610,450
100,000 " 499,999	15	129	569,270	129,748	2,390,361	4,427,850
500,000 " 999,999	6	118	527,001	67,334	2,196,370	3,986,453
1,000,000 " 4,999,999	17	840	4,158,944	695,931	25,636,720	41,731,056
5,000,000 and over	34	9,999	60,104,585	10,408,143	890,102,539	1,169,233,950
Head offices		2,898	19,729,678			
Totals	91	14,053	85,339,864	11,351,202	920,630,338	1,220,193,764
Chemical and chemical products industries:						
Under \$10,000	95	135	234,194	12,053	159,778	496,398
\$ 10,000 to \$ 24,999	80	190	478,046	31,209	507,465	1,315,179
25,000 " 49,999	100	405	1,265,481	55,185	1,583,141	3,712,963
50,000 " 99,999	91	505	1,734,059	97,774	2,845,810	6,480,503
100,000 " 199,999	123	1,175	4,259,071	266,538	8,202,956	17,826,616
200,000 " 499,999	185	2,961	11,505,064	988,821	28,657,461	60,017,538
500,000 " 999,999	129	3,849	16,570,703	2,031,810	43,862,408	92,376,184
1,000,000 " 4,999,999	215	15,782	71,385,952	10,370,005	225,173,189	478,100,506
5,000,000 and over	54	25,243	132,960,227	40,840,421	312,971,647	773,552,271
Head offices		1,922	13,611,496			
Totals	1,072	52,167	254,004,293	54,693,816	623,943,855	1,433,878,158
Miscellaneous manufacturing industries:						
Under \$10,000	280	381	842,452	45,624	455,911	1,553,111
\$ 10,000 to \$ 24,999	315	886	2,576,505	120,047	1,699,475	5,333,290
25,000 " 49,999	307	1,564	4,967,562	210,773	3,448,303	11,053,502
50,000 " 99,999	286	2,507	8,182,929	356,913	7,521,994	20,339,781
100,000 " 199,999	248	3,585	12,248,669	514,904	14,403,618	35,122,470
200,000 " 499,999	244	7,690	25,454,845	933,946	36,244,533	78,465,051
500,000 " 999,999	127	7,367	25,522,859	892,869	40,888,758	88,203,827
1,000,000 " 4,999,999	111	15,369	56,902,241	1,770,019	102,552,295	213,405,017
5,000,000 and over	10	6,788	34,348,433	859,498	56,654,087	121,316,545
Head offices		152	831,024			
Totals	1,928	46,289	171,877,519	5,704,613	263,868,974	574,812,594

¹ Based on the revised (1960) Standard Industrial Classification and New Establishment Concept; not directly comparable with previous years.

SECTION D. RELATIVE RANK OF MANUFACTURING INDUSTRIES

In determining the "leading" manufacturing industries, a wide range of criteria and statistical measures can be used. The former are normally associated with the principal statistics (employment, salaries and wages, cost of materials, value added by manufacture, value of factory shipments, etc.); the latter are usually expressed in terms of aggregates, averages or ratios. In this section the emphasis is on principal statistics and aggregates; elsewhere, as in Table 22 in Part III, averages have been used to rank industries by wages paid to production workers.

Ranking of industries by various criteria carries with it certain inherent qualifications. On the one hand, the Standard Industrial Classification¹ automatically ensures that some industries by the very nature of their activities are "large" and that a single establishment in one of these industries may produce more than several smaller industries combined; on the other hand, individual criteria selected as the basis of ranking may give rise to misinterpretation of the over-all importance, efficiency or contribution to the economy of an industry, particularly if the criterion is considered in isolation. As an example, any criterion based on aggregate values will automatically result in such industries as pulp and paper mills, smelting and refining, petroleum refining, slaughtering and meat packing and

motor vehicle manufacturers being currently ranked among the leading Canadian manufacturing industries. Other criteria, involving averages, such as the average wages paid to production workers shown in Table 22, may, of course, result in the inclusion of other and smaller industries such as engraving and duplicate plates in the leading industries. Similarly, various measures of productivity may again change the relative position of industries.

In an attempt to preserve historical continuity and, at the same time, to provide a broader base for assessing the comparative ranking of Canadian manufacturing industries, tables previously carried in this section have been retained, in a somewhat modified form, and some new tables have been introduced. A brief description of these tables follows.

Table 45 shows the ten leading industries based on selling value of factory shipments in 1961, with their relative rank in selected years during the period 1922-60. Because of changes in the standard industrial classification in 1960 and in the replacement of value of production by value of factory shipments in 1952, comparisons of years prior to 1960 with 1960 and 1961 are not as direct as between 1960 and 1961. Introduction of the revised Standard Industrial Classification in 1960 had a particularly noticeable impact on the composition of two of the ten leading industries—manufacturers of industrial chemicals and

¹ Standard Industrial Classification Manual, Catalogue No. 12-501, Dominion Bureau of Statistics, 1960.

pasteurizing plants. The first represents a combination of the two former industries of compressed gases and acids, alkalies and salts, and manufacturers of fertilizer materials and synthetic rubber; the second is a new industry, previously forming part of butter and cheese plants. This latter industry now excludes pasteurizing plants. However, footnote 4 to the table shows how pasteurizing plants and butter and cheese plants combined ranked during the nine selected years.

Table 46 shows principal statistics for the forty leading industries ranked according to the value of factory shipments, and their rank in other categories, in 1961. The rank in each category represents the position which each industry occupies when the numerical values for the six items of principal statistics for the 180 industries shown in Table 10 were individually ranked in sequence from largest to smallest. Thus, we find that pulp and paper mills rank first in total number of employees, salaries and wages, value added by manufacture and selling value of factory shipments, fourth in cost at plant of materials used, and sixtieth in the number of establishments. Similar information is given for each of the other forty leading industries ranked on the basis of the value of factory shipments.

Value of factory shipments, however, is only one of many ways by which manufacturing industries can be ranked. In terms of net contribution to the economy, "value added by manufacture" is a more meaningful indicator as it provides a non-duplicating measure in contrast to "value of factory shipments" which may include a large proportion of another industry's shipments which have been used as raw materials and which may also be inflated by a considerable amount of inter-industry transfers of semi-finished goods. For identification of the forty leading industries ranked by "value added", as well as by six other categories of principal statistics, the reader is referred to Table 47. It is emphasized that this table merely identifies the industry by Standard Industrial Classification codes as published in the 1960 edition of the *Standard Industrial Classification Manual*. For identification of the industry by name, as well as for pertinent principal statistics, the reader must refer

to Table 10 which lists the 180 individual manufacturing industries in sequence by the Standard Industrial Classification (S.I.C.) code.

As an example of the use to which Table 47 may be put, let us assume that a reader is interested in the ten leading industries ranked according to total employment provided in 1961. The column headed "Total employees" indicates that the S.I.C. codes of these industries are 271, 2513, 1291, 291, 289, 2431, 295, 321, 315 and 2441, respectively. Reference to Table 10 shows that these industries, with total employees in parentheses, were: pulp and paper mills (65,799), sawmills (41,134), bakeries (35,637), iron and steel mills (34,546), printing and publishing (31,281), men's clothing factories (29,368), smelting and refining (29,290), aircraft and parts manufacturers (28,386), miscellaneous machinery and equipment manufacturers (26,610), and women's clothing factories (25,927). Similar data may be derived from Table 10 by using any of the categories in Table 47 for any number of industries up to 40.

An indication of the predominance of the leading industries in each of the various categories of principal statistics is given in Table 48. In the example used in the preceding paragraph—the number of employees in each of the ten leading industries ranked by total employees—it is seen in Table 48 that these ten industries accounted for 347,978 employees or 27.5 per cent of the total employment in manufacturing in 1961. Similarly, the top ten industries ranked by total salaries and wages accounted for 30.8 per cent; by cost of fuel and electricity, 58.6 per cent; by cost at plant of materials used, 41.2 per cent; by value added by manufacture, 32.6 per cent; and by selling value of factory shipments, 36.5 per cent. It is emphasized again that the leading industries in each category are not necessarily the same; for the exact composition and sequence, see Table 47. The traditional group of 40 leading industries accounted for a range of from 65.3 per cent of total employment to 81.5 per cent of the total cost of fuel and electricity used, while the 100 leading industries accounted for 92 per cent or more in each category of principal statistics.

TABLE 45. Ten Leading Industries ranked by Selling Value of Factory Shipments, 1961, and their Rank in Selected Years, 1922-60¹

Industry	Rank								
	1922	1929	1933	1939	1944	1949	1951	1960	1961
Pulp and paper mills	2	1	1	2	5	1	1	1	1
Smelting and refining	1	9	2	1	2	3	3	2	2
Petroleum refining	9	10	6	8	14	5	5	3	3
Slaughtering and meat packing plants	3	2	3	3	1	2	2	4	4
Motor vehicle manufacturers	6	4	11	5	7	4	4	5	5
Iron and steel mills	20	16	32	11	13	8	7	6	6
Sawmills (including shingle mills)	4	5	14	8	11	6	6	7	7
Manufacturers of industrial chemicals ²	1	38	1	1	31	1	39	8	8
Pasteurizing plants	4	4	4	4	4	4	4	9	9
Miscellaneous food manufacturers	1	1	1	1	26	20	14	11	10

¹ Ranked by gross value of production prior to 1960.

² Not included in forty leading industries.

³ Acids, alkalies and salts industry only prior to 1960. Manufacturers of industrial chemicals now include acids, alkalies and salts, fertilizer materials, synthetic rubber and compressed gases.

⁴ Included with butter and cheese plants. Ranking for pasteurizing plants and butter and cheese plants combined for the nine selected years was 5, 6, 5, 4, 10, 7, 8, 7, and 7, respectively.

TABLE 46. Principal Statistics of the Forty Leading Industries ranked by Selling Value of Factory Shipments, and their Rank in Five Other Items of Principal Statistics, 1961

Basis: Revised Standard Industrial Classification and New Establishment Concept

No.	Industries	Establishments		Total employees		Salaries and wages		Cost of plant of materials used		Value added by manufacture		Selling value of factory shipments	
		No.	rank	No.	rank	\$'000	rank	\$'000	rank	\$'000	rank	\$'000	rank
1	Pulp and paper mills	125	60	65,799	1	355,171	1	680,168	4	842,420	1	1,634,606	1
2	Smelting and refining	24	138	29,290	7	155,948	3	891,951	3	530,097	2	1,471,048	2
3	Petroleum refining	44	106	13,235	31	81,516	17	899,837	1	276,272	5	1,184,176	3
4	Slaughtering and meat packing plants	242	30	25,075	11	112,925	10	893,822	2	182,740	13	1,080,913	4
5	Motor vehicle manufacturers	17	154	21,673	15	120,939	8	603,350	5	277,151	4	870,942	5
6	Iron and steel mills	42	111	34,546	4	193,112	2	351,346	6	411,494	3	789,271	8
7	Sawmills (except shingle mills)	3,260	1	41,134	2	144,700	5	306,238	7	218,228	8	534,591	7
8	Manufacturers of industrial chemicals	128	57	16,191	24	89,364	13	182,032	15	257,822	7	476,603	8
9	Pasteurizing plants	732	10	21,678	14	64,356	16	267,020	9	136,177	19	411,617	9
10	Miscellaneous food manufacturers	267	29	10,922	36	43,094	35	252,774	10	152,206	17	408,179	10
11	Miscellaneous machinery and equipment manufacturers	420	19	26,610	9	122,746	7	178,604	16	208,463	9	390,689	11
12	Metal stamping, pressing and coating industry	436	17	18,584	19	84,975	15	203,300	12	168,578	14	374,353	12
13	Printing and publishing	752	9	31,281	5	147,868	4	94,312	37	272,920	6	370,328	13
14	Bakeries	2,529	2	35,637	3	115,753	9	164,609	18	194,338	11	369,637	14
15	Motor vehicle parts and accessories manufacturers	126	58	20,820	17	103,002	12	185,995	14	160,762	16	352,779	15
16	Aircraft and parts manufacturers	80	73	28,386	8	141,930	6	157,845	19	192,065	12	348,245	16
17	Fruit and vegetable canners and preservers	335	23	16,467	22	49,452	32	198,677	13	131,228	20	328,098	17
18	Butter and cheese plants	914	7	7,493	58	22,034	68	273,894	8	44,447	72	323,900	18
19	Feed manufacturers	958	6	7,039	60	24,513	63	225,931	11	59,617	57	289,661	19
20	Men's clothing factories	488	15	29,368	6	80,225	19	157,760	20	123,614	23	279,089	20
21	Women's clothing factories	633	11	25,927	10	74,488	20	151,134	21	127,738	22	277,478	21
22	Breweries	54	97	7,623	53	40,882	37	59,062	62	197,399	10	259,438	22
23	Communications equipment manufacturers	125	61	24,567	12	109,659	11	93,750	38	163,288	15	251,084	23
24	Synthetic textile mills	56	93	15,849	26	59,393	26	118,306	26	123,478	24	248,718	24
25	Cotton yarn and cloth mills	39	115	17,384	20	55,800	29	136,227	23	96,216	31	236,711	25
26	Sash and door and planing mills (excluding hardwood flooring)	1,356	5	16,175	25	54,858	30	138,583	22	93,689	33	235,160	26
27	Printing and bookbinding	1,688	3	21,892	13	87,931	14	82,874	45	146,131	18	230,145	27
28	Tobacco products manufacturers	22	141	7,817	52	33,931	46	122,475	25	107,464	29	229,956	28
29	Wire and wire products manufacturers	199	34	11,995	33	56,859	28	125,326	24	91,686	35	220,702	29
30	Flour mills	54	96	3,964	84	16,921	80	173,682	17	45,275	70	220,587	30
31	Miscellaneous metal fabricating industries	331	24	14,599	28	62,568	25	95,286	36	117,508	25	218,977	31
32	Manufacturers of electrical industrial equipment	97	66	16,404	23	80,945	18	86,812	41	129,315	21	218,881	32
33	Fabricated structural metal industry	78	74	13,789	29	68,410	22	112,015	27	96,029	32	210,061	33
34	Manufacturers of major appliances (electric and non-electric)	43	108	11,084	35	46,862	33	109,910	29	92,496	34	206,212	34
35	Household furniture industry	1,580	4	19,938	18	66,149	23	100,008	33	104,219	30	205,597	35
36	Other paper converters	190	37	9,741	39	39,497	38	103,149	31	82,272	40	165,890	36
37	Railroad rolling stock industry	29	129	16,529	21	72,706	21	99,139	34	78,738	42	182,569	37
38	Rubber tire and tube manufacturers	10	174	7,502	57	38,014	40	87,174	40	84,856	39	160,248	38
39	Shoe factories	237	31	20,866	16	57,100	27	83,971	43	89,563	36	173,124	39
40	Soft drink manufacturers	502	14	7,840	51	29,766	54	52,871	69	116,068	27	172,647	40
Totals, forty leading industries		19,242	...	792,711	...	3,426,361	...	8,301,219	...	7,023,887	...	16,652,911	...
Totals, all industries		32,415	...	1,264,946	...	5,231,447	...	13,127,708	...	10,682,138	...	24,243,295	...

TABLE 47. Rank of the Forty Leading Industries in Each of Seven Items of Principal Statistics, 1961¹

Rank	Estab- lish- ments	Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	Standard Industrial Classification Code ²						
1	2513	271	271	271	3651	271	271
2	1291	2513	291	295	1011	295	295
3	2861	1291	295	378	295	291	3651
4	261	291	289	291	271	323	1011
5	2541	289	2513	341	323	3651	323
6	123	2431	321	2513	291	289	291
7	1051	295	315	1291	2513	378	2513
8	308	321	323	3651	1051	2513	378
9	289	315	1291	1053	1053	315	1053
10	1053	2441	1011	1011	1392	145	1392
11	2441	1011	335	1051	123	1291	315
12	347	335	325	3511	304	321	304
13	303	2661	378	325	112	1011	289
14	141	1053	2861	323	325	304	1291
15	2431	325	304	201	378	335	325
16	246	174	1053	357	315	325	321
17	304	325	3651	123	124	1392	112
18	288	261	336	183	1291	2861	1051
19	315	304	2431	1392	321	1053	123
20	266	183	2441	315	2431	112	2431
21	397	326	326	141	2441	336	2441
22	111	112	302	112	2541	2441	145
23	112	336	261	3561	183	2431	335
24	309	378	327	326	305	201	201
25	2862	2541	309	309	153	309	183
26	3799	201	201	2541	201	374	2541
27	306	327	174	304	302	141	2861
28	385	309	305	373	111	143	153
29	1392	302	183	347	332	153	305
30	1011	111	2541	348	338	261	124
31	174	3651	311	145	274	183	309
32	328	239	112	289	292	302	336
33	382	305	332	305	261	2541	302
34	305	252	2862	321	326	332	332
35	131	332	1392	111	2732	305	261
36	239	1392	252	252	309	174	274
37	274	311	145	332	289	376	326
38	2299	2862	274	133	335	327	163
39	2442	274	303	163	297	163	174
40	245	303	163	3799	163	274	141

¹ For amounts and proportion of totals accounted for by the leading 10, 20, 30, and 40 industries in each category, see Table 48.² For identification of these industries and relevant principal statistics, see Table 10.

TABLE 48. Amounts and Proportions of Totals Accounted for by Specified Numbers of Leading Industries in Seven Items of Principal Statistics, 1961

Number of leading industries ¹	Estab- lish- ments	Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	number				dollars		
10	14,547	347,978	1,611,092,185	302,351,433	5,420,399,241	3,492,065,273	8,861,946,487
%	44.8	27.5	30.8	58.6	41.2	32.6	36.5
20	19,472	560,452	2,487,553,777	352,301,878	7,248,835,120	5,119,597,882	12,288,724,763
%	60.1	44.3	47.5	68.3	55.2	47.9	50.6
30	22,580	714,846	3,105,173,015	391,509,626	8,476,856,489	6,300,102,816	14,698,703,756
%	69.8	56.5	59.3	75.9	64.5	58.9	60.6
40	24,602	826,388	3,539,684,296	420,253,848	9,439,629,550	7,200,276,978	16,652,910,630
%	75.9	65.3	67.6	81.5	71.9	67.4	68.6
50	28,170	911,423	3,880,202,844	441,969,310	10,260,566,892	7,938,788,291	18,241,622,288
%	80.7	72.1	74.1	65.7	78.1	74.3	75.2
100	30,446	1,164,956	4,863,267,671	498,267,566	12,499,961,072	9,950,232,411	22,793,313,213
%	93.9	92.1	92.9	96.6	95.2	93.1	94.0
180	32,415	1,264,946	5,231,446,969	515,384,755	13,127,707,976	10,682,137,880	24,243,294,949
%	100.0	100.0	100.0	100.0	100.0	100.0	100.0

¹ For industries included in the first 40 in each category, see Table 47.

PART V

PROVINCIAL DISTRIBUTION OF MANUFACTURING INDUSTRIES

This part of the Report consists of six sections—Section A containing tables on principal statistics of the manufacturing industries in 1961 by province, industrial group and size of establishment, and Sections B to F containing general textual analyses of the manufacturing industries, and tables of leading industries ranked by selling value of factory shipments, for the

Atlantic Provinces, Quebec, Ontario, the Prairie Provinces, and British Columbia, respectively. Comparable provincial totals for principal statistics on the revised (1960) Standard Industrial Classification and New Establishment Concept for the 1957-60 period are contained in Part II, Section C, Table 8.

SECTION A. PRINCIPAL STATISTICS BY PROVINCE, INDUSTRIAL GROUP AND SIZE OF ESTABLISHMENT

Table 49, containing summary statistics of manufactures by province and industrial group, indicates the predominance of Ontario and Quebec both in overall manufacturing activity and, with the single exception of the wood industries, in industrial groups. Ontario's factory shipments of \$11,957,300,000 and Quebec's \$7,327,300,000 together accounted for 79.5 per cent of the Canadian total in 1961.

Quebec had the greatest provincial shipments in five groups—tobacco products industries, textile industries, knitting mills, clothing industries and paper and allied industries. In each of the first four groups, its shipments accounted for more than half the Canadian total; in paper and allied groups, its share of 36.2 per cent was only marginally greater than Ontario's 35.7 per cent. With the exception of the wood industries, where British Columbia's factory shipments of \$556,100,000 accounted for 53.7 per cent of the Canadian total, Ontario led in factory shipments of the remaining 15 industrial groups. In three of

these—rubber industries, machinery industries (except electrical machinery), and transportation equipment industries, its share was between 72 and 76 per cent of the Canadian totals. In three others—the electrical products industries, chemical and chemical products industries, and miscellaneous manufacturing industries—it was between 60 and 69 per cent, and in three others—printing, publishing and allied industries, primary metal industries, and metal fabricating industries—it was between 52 and 58 per cent of the Canadian total.

Tables 50 and 51 contain principal statistics of the manufacturing industries by province, and by number of employees and selling value of factory shipments, respectively. Additional information on the provincial distribution of manufacturing establishments on the basis of number of employees is contained in Tables 38 and 39 in Part IV, Section B, and on the basis of selling value of factory shipments, in Table 43 in Part IV, Section C.

TABLE 49. Principal Statistics of the Manufacturing Industries, by Province and Industrial Group, 1961

Basis: Revised Standard Industrial Classification and New Establishment Concept

Province and industrial group	Estab- lish- ments	Total em- ployees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	number				dollars		
Canada							
Food and beverage industries	7,444	188,855	687,995,973	70,226,063	3,148,673,188	1,704,714,596	4,905,434,328
Tobacco products industries	38	9,442	39,153,878	1,035,202	205,297,105	128,639,932	334,983,238
Rubber industries	93	18,860	82,003,785	5,276,047	148,683,954	171,593,527	331,134,713
Leather industries	555	31,413	89,574,243	2,273,986	151,406,469	140,387,914	291,066,523
Textile industries	883	62,544	212,557,789	15,113,355	468,001,049	392,688,681	875,287,700
Knitting mills	358	21,459	57,469,382	1,926,924	117,361,987	100,641,407	219,295,978
Clothing industries	2,307	87,728	234,388,479	3,018,960	427,523,380	377,072,432	801,535,491
Wood industries	5,251	60,042	280,330,704	20,339,546	584,792,751	431,372,733	1,035,343,618
Furniture and fixture industries	2,089	33,153	112,445,673	3,806,981	174,635,120	185,102,995	362,062,105
Paper and allied industries	569	94,862	471,137,165	122,289,492	1,021,502,882	1,071,316,186	2,205,734,055
Printing, publishing and allied industries	3,428	72,779	327,900,870	6,549,633	275,716,714	591,099,208	872,292,337
Primary metal industries	410	87,238	457,619,351	87,898,002	1,591,688,041	1,129,978,204	2,806,483,787
Metal fabricating industries (except machinery and transportation equipment industries)	2,859	94,611	421,915,944	18,959,670	734,400,128	739,018,830	1,492,690,845
Machinery industries (except electrical machinery)	546	42,083	195,606,445	6,860,260	303,943,943	329,783,583	839,739,426
Transportation equipment industries	671	107,709	522,470,347	20,123,675	1,130,170,158	828,669,699	1,960,777,154
Electrical products industries	531	79,531	353,568,079	11,336,389	585,351,554	617,534,041	1,205,534,321
Non-metallic mineral products industries	1,292	40,128	174,067,186	46,500,939	250,116,408	361,393,965	675,012,616
Petroleum and coal products industries	91	14,053	85,339,864	11,351,202	920,630,338	290,698,500	1,220,193,764
Chemical and chemical products industries	1,072	52,167	254,004,293	54,693,816	623,943,855	760,927,799	1,433,878,158
Miscellaneous manufacturing industries	1,928	46,289	171,877,519	5,704,613	263,868,974	309,523,448	574,812,594
Totals	32,415	1,264,946	5,231,446,969	515,384,755	13,127,707,976	10,682,137,680	24,243,294,949
Newfoundland							
Food and beverage industries	65	4,060	8,614,106	1,064,189	20,468,769	18,646,300	40,440,439
Tobacco products industries	—	—	—	—	—	—	—
Rubber industries	—	—	—	—	—	—	—
Leather industries	3	—	—	—	—	—	—
Textile industries	2	—	—	—	—	—	—
Knitting mills	1	—	—	—	—	—	—
Clothing industries	2	—	—	—	—	—	—
Wood industries	192	652	1,479,210	149,428	2,285,357	1,809,041	4,044,652
Furniture and fixture industries	7	27	92,733	2,407	64,053	118,287	185,535
Paper and allied industries ¹	2	3,196	19,114,294	5,171,469	29,892,579	39,224,695	73,725,374
Printing, publishing and allied industries	29	424	1,379,849	70,172	692,774	2,471,175	3,231,348
Primary metal industries	3	—	—	—	—	—	—
Metal fabricating industries (except machinery and transportation equipment industries)	6	184	680,976	36,457	1,167,545	1,004,340	2,414,196
Machinery industries (except electrical machinery)	1	—	—	—	—	—	—
Transportation equipment industries	4	—	—	—	—	—	—
Electrical products industries	1	—	—	—	—	—	—
Non-metallic mineral products industries	13	388	1,517,909	423,891	2,392,197	3,110,744	5,767,384
Petroleum and coal products industries	—	—	—	—	—	—	—
Chemical and chemical products industries	2	—	—	—	—	—	—
Miscellaneous manufacturing industries	5	62	191,392	10,699	217,595	285,409	507,173
Groups for which no data shown ¹	—	903	2,899,336	135,352	3,447,999	3,339,798	8,908,108
Totals	338	9,896	35,969,805	7,064,044	60,628,868	70,009,989	137,224,209

See footnotes at end of table.

TABLE 49. Principal Statistics of the Manufacturing Industries, by Province and Industrial Group, 1961 - Continued

Province and industrial group	Estab- lish- ments	Total em- ployees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	number				dollars		
Prince Edward Island							
Food and beverage industries	72	1,106	2,671,659	364,603	17,676,783	5,053,347	23,254,660
Tobacco products industries	1	—	—	—	—	—	—
Rubber industries	—	—	—	—	—	—	—
Leather industries	1	1	1	1	1	1	1
Textile industries	3	—	—	—	—	—	—
Knitting mills	—	—	—	—	—	—	—
Clothing industries	—	—	—	—	—	—	—
Wood industries	51	160	327,192	17,073	339,457	419,445	787,998
Furniture and fixture industries	4	1	1	1	1	1	1
Paper and allied industries	1	—	—	—	—	—	—
Printing, publishing and allied industries	8	186	506,644	23,177	238,234	969,915	1,230,441
Primary metal industries	1	1	1	1	1	1	1
Metal fabricating industries (except machinery and transportation equipment industries)	2	—	—	—	—	—	—
Machinery industries (except electrical machinery)	—	—	—	—	—	—	—
Transportation equipment industries	4	33	87,433	4,765	101,348	98,547	216,220
Electrical products industries	—	—	—	—	—	—	—
Non-metallic mineral products industries	6	41	99,318	10,141	114,511	182,914	298,299
Petroleum and coal products industries	—	1	1	1	1	1	1
Chemical and chemical products industries	2	—	—	—	—	—	—
Miscellaneous manufacturing industries	—	—	—	—	—	—	—
Groups for which no data shown ¹ .....	...	198	515,228	43,259	2,720,725	1,406,978	4,253,421
Totals	156	1,724	4,207,474	463,018	21,191,058	8,131,146	30,041,039
Nova Scotia							
Food and beverage industries	323	8,690	22,199,515	2,626,597	75,697,906	44,864,525	123,821,885
Tobacco products industries	—	—	—	—	—	—	—
Rubber industries	—	—	—	—	—	—	—
Leather industries	3	1	1	1	1	1	1
Textile industries	7	499	1,283,113	108,640	2,350,460	2,965,165	5,482,309
Knitting mills	7	1,169	2,412,920	124,888	4,905,924	4,143,022	9,139,732
Clothing industries	11	346	574,515	39,095	1,321,326	679,537	2,210,767
Wood industries	341	2,425	5,298,240	556,184	12,351,339	8,954,743	21,941,233
Furniture and fixture industries	33	325	746,901	44,185	1,000,358	1,207,676	2,247,303
Paper and allied industries	5	1,449	6,021,909	1,778,346	10,690,331	13,476,271	25,963,405
Printing, publishing and allied industries	78	1,328	5,146,971	147,067	2,955,038	9,108,074	12,204,037
Primary metal industries	7	—	—	—	—	—	—
Metal fabricating industries (except machinery and transportation equipment industries)	46	1,415	5,239,818	471,163	9,079,534	8,706,048	18,938,799
Machinery industries (except electrical machinery)	5	271	986,235	70,012	474,405	1,565,063	2,120,916
Transportation equipment industries	65	3,710	14,228,954	605,625	11,143,291	15,174,222	26,829,054
Electrical products industries	3	—	—	—	—	—	—
Non-metallic mineral products industries	32	465	1,406,070	443,366	2,362,195	2,723,009	5,456,364
Petroleum and coal products industries	1	1	1	1	1	1	1
Chemical and chemical products industries	15	228	843,785	151,911	2,582,104	3,336,055	5,856,655
Miscellaneous manufacturing industries	20	137	418,857	66,912	301,884	767,836	1,141,673
Groups for which no data shown ¹ .....	...	4,384	22,111,453	2,777,635	69,247,392	41,347,251	111,952,788
Totals	1,002	26,801	88,919,256	10,011,626	206,463,487	159,218,497	375,306,900
New Brunswick							
Food and beverage industries	235	6,639	17,441,886	2,596,402	84,599,503	44,854,305	132,668,630
Tobacco products industries	—	—	—	—	—	—	—
Rubber industries	—	—	—	—	—	—	—
Leather industries	4	290	688,679	13,848	1,000,256	1,122,130	2,158,418
Textile industries	11	497	997,720	115,400	1,809,542	1,633,259	3,673,597
Knitting mills	2	1	1	1	1	1	1
Clothing industries	4	234	333,128	6,559	228,108	456,515	703,709
Wood industries	260	2,933	7,266,933	663,081	16,743,573	13,561,201	30,493,702
Furniture and fixture industries	20	105	256,518	21,370	310,983	414,837	735,542
Paper and allied industries	19	4,565	22,355,424	9,692,531	51,553,285	51,344,309	113,578,682
Printing, publishing and allied industries	51	974	3,452,666	110,083	2,118,049	5,759,483	8,025,110
Primary metal industries	4	1	1	1	1	1	1
Metal fabricating industries (except machinery and transportation equipment industries)	30	987	3,779,525	183,737	5,807,640	6,051,954	12,075,359
Machinery industries (except electrical machinery)	3	—	—	—	—	—	—
Transportation equipment industries	8	2,755	9,514,922	360,301	8,240,683	11,295,555	19,890,385
Electrical products industries	4	—	—	—	—	—	—
Non-metallic mineral products industries	28	567	1,950,666	972,036	2,342,603	4,422,535	7,873,568
Petroleum and coal products industries	2	1	1	1	1	1	1
Chemical and chemical products industries	7	143	526,501	62,864	3,791,471	1,386,802	5,334,107
Miscellaneous manufacturing industries	16	382	1,235,410	73,012	1,658,926	2,244,768	3,765,258
Groups for which no data shown ¹ .....	...	1,172	4,092,370	544,182	42,845,906	15,431,787	58,480,628
Totals	708	22,443	73,892,368	15,415,406	223,050,728	159,979,430	397,456,695

See footnotes at end of table.

TABLE 49. Principal Statistics of the Manufacturing Industries, by Province and Industrial Group, 1961 - Continued

Province and industrial group	Estab- lish- ments	Total em- ployees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	number				dollars		
Quebec							
Food and beverage industries	2,420	48,690	172,197,381	17,839,244	823,149,444	464,989,857	1,302,242,856
Tobacco products industries	21	8,828	29,527,391	584,227	104,901,410	88,892,939	193,459,191
Rubber industries	33	5,703	21,137,048	1,222,460	31,984,440	36,492,736	69,726,799
Leather industries	303	16,397	43,578,230	757,943	67,471,320	69,850,091	137,487,844
Textile industries	388	38,175	126,915,646	8,404,661	272,926,148	222,658,115	504,148,479
Knitting mills	206	11,066	29,657,213	924,377	63,004,173	51,832,913	114,802,182
Clothing industries	1,504	56,304	146,608,083	1,817,180	284,424,117	238,800,500	522,615,211
Wood industries	1,699	17,405	47,578,472	3,598,330	100,926,720	80,883,491	185,818,095
Furniture and fixture industries	715	12,704	40,131,819	1,422,260	62,437,766	66,438,042	129,780,777
Paper and allied industries	188	35,724	175,147,493	49,055,102	367,425,110	386,092,935	797,803,472
Printing, publishing and allied industries	992	20,082	88,832,390	1,567,167	83,370,544	168,151,018	252,775,773
Primary metal industries	114	19,078	98,288,935	23,786,696	539,759,990	218,908,886	760,811,470
Metal fabricating industries (except machinery and transportation equipment industries)	706	26,319	115,058,662	4,708,588	202,173,140	195,097,928	400,307,641
Machinery industries (except electrical machinery)	94	7,640	32,922,995	1,207,134	48,806,889	58,024,503	106,214,493
Transportation equipment industries	110	30,602	146,859,379	4,516,689	170,396,585	189,465,224	362,126,224
Electrical products industries	113	23,414	107,911,682	2,949,034	151,363,340	169,133,365	323,181,160
Non-metallic mineral products industries	393	12,088	50,322,765	14,122,543	73,863,613	111,379,695	198,487,376
Petroleum and coal products industries	15	2,937	17,838,596	3,208,426	296,197,909	82,920,307	381,058,528
Chemical and chemical products industries	340	18,742	89,700,016	13,843,560	165,438,800	224,934,271	406,437,635
Miscellaneous manufacturing industries	801	13,831	46,357,993	1,800,939	72,398,090	82,909,190	157,992,456
Totals	10,955	423,729	1,626,572,189	157,135,960	3,982,419,548	3,207,856,006	7,327,257,662
Ontario							
Food and beverage industries	2,658	77,094	298,377,801	30,370,218	1,256,939,689	759,458,660	2,034,875,886
Tobacco products industries	16	2,601	9,599,209	449,815	100,382,860	39,707,749	141,471,111
Rubber industries	48	12,768	59,305,860	3,928,656	112,911,142	129,686,869	252,479,238
Leather industries	200	13,700	42,500,108	1,402,339	77,066,614	65,342,790	141,457,880
Textile industries	373	21,426	76,761,707	6,172,720	172,175,312	154,042,324	331,650,489
Knitting mills	131	8,637	23,973,624	824,632	46,907,706	42,051,299	90,125,132
Clothing industries	581	22,063	63,616,682	819,296	98,442,658	100,925,940	197,107,808
Wood industries	928	15,309	49,729,100	3,192,125	94,071,051	80,853,489	177,379,694
Furniture and fixture industries	838	15,215	54,305,510	1,880,367	83,012,148	90,304,122	174,258,352
Paper and allied industries	260	35,873	174,060,748	36,319,935	396,935,976	356,988,054	787,841,748
Printing, publishing and allied industries	1,439	37,044	173,373,400	3,351,216	147,175,393	305,244,924	455,058,523
Primary metal industries	203	53,022	281,501,656	48,513,182	831,367,102	744,709,876	1,624,729,132
Metal fabricating industries (except machinery and transportation equipment industries)	1,427	53,109	240,226,697	11,315,952	420,116,666	432,411,659	664,992,249
Machinery industries (except electrical machinery)	332	30,810	146,798,738	4,912,232	234,281,244	245,306,158	485,330,297
Transportation equipment industries	283	57,708	295,074,983	12,829,115	881,994,654	534,747,656	1,414,269,695
Electrical products industries	345	52,843	233,048,153	7,770,906	408,770,412	422,601,569	830,790,452
Non-metallic mineral products industries	519	19,546	87,809,980	22,343,043	120,566,553	183,869,975	324,616,852
Petroleum and coal products industries	24	5,835	36,686,624	2,556,589	291,617,304	90,581,230	386,442,003
Chemical and chemical products industries	528	27,789	137,650,905	34,196,891	385,642,926	445,483,203	861,064,367
Miscellaneous manufacturing industries	948	29,023	113,006,764	3,580,302	176,915,409	205,555,506	381,388,665
Totals	12,061	591,415	2,597,408,249	236,709,531	6,337,292,819	5,429,853,032	11,957,329,553
Manitoba							
Food and beverage industries	361	9,647	38,546,320	3,607,549	208,919,073	77,963,311	291,080,140
Tobacco products industries	—	—	—	—	—	—	—
Rubber industries	2	1	1	1	1	1	1
Leather industries	17	537	1,465,211	41,041	3,546,035	1,996,899	5,564,524
Textile industries	35	575	1,686,647	67,993	7,163,939	3,038,062	10,259,574
Knitting mills	4	128	305,965	11,755	747,294	601,675	1,348,484
Clothing industries	129	5,694	14,812,057	189,909	28,653,237	21,524,853	50,069,574
Wood industries	162	1,090	3,239,744	217,238	4,458,295	5,231,348	9,865,131
Furniture and fixture industries	120	1,818	6,244,308	209,352	11,305,446	9,711,898	21,210,485
Paper and allied industries	23	1,553	6,505,912	1,689,503	18,211,780	19,448,868	39,039,648
Printing, publishing and allied industries	194	3,808	15,363,312	347,533	11,796,836	27,118,678	39,176,722
Primary metal industries	13	2,507	12,121,620	5,272,391	26,317,048	40,284,106	71,192,218
Metal fabricating industries (except machinery and transportation equipment industries)	115	3,266	14,282,490	482,943	21,029,189	22,384,493	43,585,895
Machinery industries (except electrical machinery)	31	1,082	4,152,547	191,779	7,895,167	7,741,700	15,400,590
Transportation equipment industries	32	5,176	21,642,010	919,518	25,615,721	27,840,597	54,133,253
Electrical products industries	19	816	2,921,209	132,244	6,783,970	6,415,126	13,295,917
Non-metallic mineral products industries	50	1,361	5,639,947	2,131,571	9,119,142	16,261,407	27,253,444
Petroleum and coal products industries	7	—	—	—	—	—	—
Chemical and chemical products industries	33	701	2,606,968	152,172	9,061,187	8,681,836	17,614,307
Miscellaneous manufacturing industries	69	920	2,915,128	107,582	4,876,222	5,218,776	10,115,146
Groups for which no data shown ¹ .....	...	533	2,850,965	471,894	35,940,741	13,771,648	49,689,587
Totals	1,416	41,212	157,302,360	16,243,967	441,440,322	315,235,281	769,894,639

See footnotes at end of table.

TABLE 49. Principal Statistics of the Manufacturing Industries, by Province and Industrial Group, 1961 - Concluded

Province and industrial group	Estab- lish- ments	Total em- ployees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	number				dollars		
Saskatchewan							
Food and beverage industries	221	5,664	22,128,026	2,293,456	119,093,054	52,226,508	173,687,054
Tobacco products industries	—	—	—	—	—	—	—
Rubber industries	—	—	—	—	—	—	—
Leather industries	1	1	1	1	1	1	1
Textile industries	8	83	236,647	5,592	982,550	357,107	1,347,405
Knitting mills	—	—	—	—	—	—	—
Clothing industries	7	232	740,104	19,288	1,415,494	1,407,492	2,858,409
Wood industries	116	852	2,415,744	189,749	5,660,793	3,972,568	9,649,065
Furniture and fixture industries	33	84	246,148	13,890	252,294	372,052	634,782
Paper and allied industries	7	180	674,443	141,852	1,860,783	1,234,446	3,267,454
Printing, publishing and allied industries	133	1,485	5,614,736	179,579	3,495,021	9,459,048	13,164,937
Primary metal industries	5	785	3,808,694	2,713,613	18,726,384	17,267,752	37,066,622
Metal fabricating industries (except machinery and transportation equipment industries)	49	763	3,107,493	120,927	6,659,355	4,895,967	11,769,238
Machinery industries (except electrical machinery)	11	146	621,971	26,206	719,414	1,334,612	2,194,783
Transportation equipment industries	5	22	85,883	4,397	55,779	137,582	204,350
Electrical products industries	4	1	1	1	1	1	1
Non-metallic mineral products industries	35	560	2,362,858	914,905	4,605,606	7,064,260	12,467,537
Petroleum and coal products industries	10	1	1	1	1	1	1
Chemical and chemical products industries	9	78	312,338	32,332	1,065,770	1,325,720	2,287,400
Miscellaneous manufacturing industries	21	125	421,701	10,250	475,890	654,693	1,116,500
Groups for which no data shown ¹	...	1,090	8,170,976	994,376	53,747,035	19,262,131	72,716,667
Totals	675	12,149	48,947,762	7,660,412	218,815,222	120,971,938	344,432,203
Alberta							
Food and beverage industries	435	11,605	45,383,605	3,840,841	284,112,013	95,173,816	383,367,444
Tobacco products industries	—	—	—	—	—	—	—
Rubber industries	4	1	1	1	1	1	1
Leather industries	8	94	292,411	24,183	652,602	465,582	1,144,579
Textile industries	18	403	1,702,889	79,464	4,754,590	2,950,251	7,776,842
Knitting mills	3	40	81,442	1,922	93,278	102,708	197,987
Clothing industries	18	1,239	3,302,964	37,102	6,330,025	6,660,568	12,775,165
Wood industries	299	3,366	10,001,915	955,907	20,413,328	17,299,386	38,785,137
Furniture and fixture industries	94	926	3,222,663	103,098	5,213,503	5,335,089	10,615,187
Paper and allied industries	21	1,196	6,018,566	1,536,374	19,271,609	20,509,756	41,302,919
Printing, publishing and allied industries	195	2,697	11,276,825	234,090	9,444,256	21,782,976	31,445,619
Primary metal industries	19	1,510	8,176,591	1,175,055	42,677,704	21,417,692	67,596,720
Metal fabricating industries (except machinery and transportation equipment industries)	152	3,576	16,104,915	575,882	28,435,953	26,317,529	54,540,242
Machinery industries (except electrical machinery)	20	409	1,785,756	169,781	3,806,458	2,869,235	6,705,136
Transportation equipment industries	35	2,981	12,273,548	287,712	12,642,213	14,635,456	27,708,446
Electrical products industries	9	1	1	1	1	1	1
Non-metallic mineral products industries	99	3,280	13,965,241	2,566,261	22,772,518	34,858,594	60,587,743
Petroleum and coal products industries	20	1,640	9,577,275	1,930,554	76,997,734	30,119,393	108,631,340
Chemical and chemical products industries	36	1,860	9,984,194	3,501,716	21,999,011	33,764,976	59,458,981
Miscellaneous manufacturing industries	84	548	2,123,789	88,379	2,099,395	3,960,222	5,946,468
Groups for which no data shown ¹	...	551	2,073,895	162,724	7,016,671	8,288,609	15,240,521
Totals	1,569	37,921	157,348,484	17,271,495	568,732,861	346,731,838	933,826,476
British Columbia							
Food and beverage industries	649	15,444	60,381,457	5,611,916	257,938,658	141,355,254	399,776,809
Tobacco products industries	—	—	—	—	—	—	—
Rubber industries	6	65	301,299	25,263	212,414	457,596	690,152
Leather industries	15	238	704,114	25,116	994,996	1,123,421	2,135,212
Textile industries	38	730	2,521,494	122,688	4,586,359	4,028,565	8,646,301
Knitting mills	4	1	1	1	1	1	1
Clothing industries	51	1,500	4,171,698	84,166	6,424,425	6,159,267	12,712,908
Wood industries	1,199	35,808	152,843,267	10,779,606	327,293,170	218,161,562	556,103,060
Furniture and fixture industries	225	1,926	7,127,832	206,438	10,988,574	11,118,351	22,260,088
Paper and allied industries	43	11,122	61,229,049	16,903,829	125,629,715	182,960,503	323,142,939
Printing, publishing and allied industries	306	4,732	22,875,638	513,696	14,392,050	40,917,812	55,819,360
Primary metal industries	41	6,641	35,373,558	4,065,777	108,034,239	66,500,898	177,725,907
Metal fabricating industries (except machinery and transportation equipment industries)	326	4,959	23,354,551	1,060,477	39,819,137	42,033,863	83,835,316
Machinery industries (except electrical machinery)	49	1,619	7,922,204	268,740	7,691,313	12,432,773	20,926,759
Transportation equipment industries	125	4,433	21,428,216	562,033	19,250,643	33,906,298	53,468,404
Electrical products industries	33	1,028	4,590,720	207,694	9,132,905	6,337,666	17,418,196
Non-metallic mineral products industries	117	1,832	9,012,412	2,573,182	11,977,470	17,520,832	32,224,249
Petroleum and coal products industries	11	1	1	1	1	1	1
Chemical and chemical products industries	100	2,517	11,996,249	2,720,327	31,836,964	40,689,226	71,861,311
Miscellaneous manufacturing industries	164	1,261	5,206,485	187,138	4,925,563	7,927,058	12,839,255
Groups for which no data shown ¹	...	1,663	9,157,533	1,439,485	83,944,412	27,811,593	115,504,212
Totals	3,502	97,518	440,197,776	47,357,571	1,065,073,007	863,442,538	1,967,091,438
Yukon and Northwest Territories							
Food and beverage industries	5	16	54,217	11,068	78,296	128,713	218,545
Wood industries	4	42	150,887	20,825	249,668	228,479	475,851
Printing, publishing and allied industries	3	1	1	1	1	1	1
Petroleum and coal products industries	1	1	1	1	1	1	1
Groups for which no data shown ¹	...	86	476,142	19,832	2,272,092	352,793	2,739,739
Totals	13	138	681,246	51,725	2,600,056	707,985	3,434,135

¹ Confidential; included in "Groups for which no data shown".² Publication authorized by firms concerned.³ Totals of confidential items in above industrial groups.

TABLE 50. Principal Statistics of the Manufacturing Industries, by Province and Number of Employees per Establishment, 1961¹

Province and employee group	Estab- lish- ments	Total employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number				dollars	
Canada:						
Under 5 employees	12,071	27,788	70,899,120	6,904,338	192,939,010	332,585,914
5 to 14 employees	9,239	76,825	244,712,791	20,934,820	612,356,968	1,092,658,388
15 " 49 "	6,434	173,974	601,294,267	44,258,203	1,467,666,847	2,678,001,532
50 " 99 "	2,276	157,952	566,439,216	43,045,919	1,495,527,348	2,718,508,831
100 " 199 "	1,249	173,351	658,730,041	61,695,556	1,788,154,880	3,279,907,234
200 " 499 "	809	244,688	1,028,359,342	99,413,689	2,705,592,754	4,937,312,556
500 " 999 "	228	158,965	737,224,213	99,102,976	1,914,259,295	3,629,735,198
1,000 " 1,499 "	57	71,500	353,525,453	59,760,974	968,135,513	1,765,708,258
1,500 employees and over	52	163,973	864,165,061	80,268,280	1,983,075,361	3,608,877,038
Head offices		15,930	106,097,465			
Totals	32,415	1,264,946	5,231,446,969	515,384,755	13,127,707,976	24,243,294,949
Newfoundland:						
Under 5 employees	209	351	640,389	48,426	862,202	1,838,759
5 to 14 employees	47	408	1,113,682	172,538	2,205,508	4,823,757
15 " 49 "	37	1,040	2,832,072	269,821	5,806,375	11,692,728
50 " 99 "	22	1,535	4,431,946	460,880	9,526,507	19,798,119
100 " 199 "	16	2,042	4,500,522	702,671	7,811,344	16,888,699
200 employees and over	7	4,486	22,265,356	5,409,708	34,416,932	82,182,147
Head offices		34	185,838			
Totals	338	9,896	35,969,805	7,064,044	60,628,868	137,224,209
Prince Edward Island:						
Under 5 employees	85	168	302,766	35,878	973,176	1,509,060
5 to 14 employees	41	357	789,124	124,091	3,449,630	5,167,089
15 " 49 "	25	641	1,308,773	123,373	6,528,450	9,355,331
50 employees and over	5	558	1,806,811	179,676	10,239,802	14,009,559
Totals	156	1,724	4,207,474	463,018	21,191,058	30,041,039
Nova Scotia:						
Under 5 employees	437	1,014	1,860,169	202,651	3,246,304	6,830,293
5 to 14 employees	294	2,434	5,695,687	789,766	14,935,114	26,678,644
15 " 49 "	179	4,678	12,254,331	1,448,793	33,964,032	59,496,029
50 " 99 "	48	3,195	8,971,679	938,009	25,490,882	43,230,109
100 " 199 "	21	2,972	9,198,206	1,161,267	18,321,557	37,273,328
200 " 499 "	17	5,024	17,758,315	1,466,808	70,237,342	115,213,397
500 employees and over	6	7,464	33,090,205	4,004,332	40,268,256	86,585,102
Head offices		20	90,464			
Totals	1,002	26,801	88,919,256	10,011,626	206,463,487	375,306,900
New Brunswick:						
Under 5 employees	277	628	1,183,760	161,234	2,931,302	5,255,152
5 to 14 employees	232	1,937	4,609,208	577,166	10,890,471	19,930,386
15 " 49 "	118	3,225	8,662,762	1,068,269	27,977,002	46,181,216
50 " 99 "	35	2,338	6,336,391	817,351	20,844,048	32,525,583
100 " 199 "	28	3,847	10,220,217	1,428,884	25,733,370	53,067,154
200 " 499 "	13	3,892	15,632,034	3,428,007	74,056,212	111,883,973
500 employees and over	7	6,413	26,017,559	7,934,495	60,618,323	128,613,849
Head offices		183	1,230,437			
Totals	708	22,443	73,892,368	15,415,406	223,050,728	397,456,695
Quebec:						
Under 5 employees	4,304	9,804	23,709,026	2,402,764	91,107,136	139,801,513
5 to 14 employees	2,935	24,348	71,635,241	5,552,496	219,108,327	365,372,867
15 " 49 "	2,190	59,559	183,226,123	11,281,442	436,550,039	793,073,712
50 " 99 "	769	53,508	169,207,472	11,883,254	418,085,943	777,835,430
100 " 199 "	371	50,929	172,764,444	14,826,511	471,264,598	858,952,951
200 " 499 "	266	81,669	317,385,831	33,636,001	846,387,751	1,563,228,994
500 " 999 "	81	57,366	253,363,124	35,897,944	772,079,449	1,415,944,968
1,000 " 1,499 "	22	27,681	133,297,923	30,544,070	379,909,362	654,654,163
1,500 employees and over	17	51,384	255,024,326	11,311,478	347,926,943	758,593,064
Head offices		7,281	46,978,679			
Totals	10,955	423,729	1,626,572,189	157,135,960	3,882,419,548	7,327,257,662

See footnote at end of table.

TABLE 50. Principal Statistics of the Manufacturing Industries, by Province and Number of Employees per Establishment, 1961¹ — Concluded

Province and employee group	Estab- lish- ments	Total employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Ontario:						
Under 5 employees	3,803	8,923	25,074,545	2,271,283	58,284,259	107,281,571
5 to 14 employees	3,480	29,089	98,792,608	7,833,895	221,185,599	410,901,754
15 " 49 "	2,623	71,166	265,268,146	19,179,628	638,306,253	1,177,228,205
50 " 99 "	1,005	69,690	266,358,065	20,439,475	719,160,887	1,308,350,565
100 " 199 "	625	88,363	352,446,874	30,210,308	858,892,602	1,628,660,493
200 " 499 "	388	118,675	505,310,493	35,666,065	1,132,949,932	2,187,297,919
500 " 999 "	102	70,694	341,240,385	40,548,645	744,218,594	1,481,964,194
1,000 " 1,499 "	27	33,909	170,450,980	22,476,666	481,674,740	919,889,158
1,500 employees and over	28	96,898	530,460,206	58,083,566	1,482,619,953	2,735,775,694
Head offices		6,008	41,985,967			
Totals	12,081	591,415	2,597,408,249	236,709,531	6,337,292,819	11,957,329,553
Manitoba:						
Under 5 employees	595	1,305	3,382,617	335,180	7,280,388	13,912,365
5 to 14 employees	353	2,950	9,497,792	808,981	29,054,575	48,735,687
15 " 49 "	278	7,655	26,216,104	1,780,914	64,902,822	117,729,212
50 " 99 "	110	7,812	27,337,592	1,657,531	62,061,477	117,780,361
100 " 199 "	47	8,359	24,567,044	1,814,324	96,173,799	156,492,342
200 " 499 "	24	6,614	27,611,580	4,685,436	55,039,371	114,694,860
500 employees and over	9	8,410	38,118,300	5,161,601	126,927,887	200,549,812
Head offices		107	571,331			
Totals	1,416	41,212	157,302,360	16,243,967	441,440,322	769,894,639
Saskatchewan:						
Under 5 employees	300	682	1,736,551	192,567	2,583,431	5,878,516
5 to 14 employees	235	1,978	6,532,918	757,148	19,031,143	32,800,315
15 " 49 "	88	2,324	8,479,440	838,578	27,769,743	45,571,217
50 " 99 "	25	1,744	7,070,713	661,672	16,954,272	33,631,455
100 " 199 "	17	2,084	9,192,314	1,333,059	40,152,634	67,208,727
200 employees and over	10	3,239	15,202,207	3,877,388	112,323,999	159,341,973
Head offices		96	733,619			
Totals	675	12,149	48,947,762	7,660,412	218,815,222	344,432,203
Alberta:						
Under 5 employees	630	1,544	4,121,441	465,591	10,010,835	17,822,211
5 to 14 employees	534	4,391	14,583,484	1,348,810	39,235,260	67,569,777
15 " 49 "	257	6,976	26,504,145	2,140,270	67,359,777	126,981,377
50 " 99 "	70	4,911	20,779,460	1,958,272	87,353,584	141,297,219
100 " 199 "	41	5,436	24,289,137	3,759,678	101,909,336	174,038,876
200 " 499 "	28	8,659	40,666,586	6,565,478	154,291,225	253,660,462
500 " 999 "	9	5,735	24,865,620	1,033,396	108,572,844	152,456,554
Head offices		269	1,536,631			
Totals	1,569	37,921	157,348,484	17,271,495	568,732,861	933,826,476
British Columbia:						
Under 5 employees	1,423	3,348	8,823,826	778,243	15,579,354	32,210,265
5 to 14 employees	1,085	8,905	31,348,577	2,951,453	53,100,992	110,333,039
15 " 49 "	640	16,662	66,417,348	8,118,366	158,376,840	290,428,922
50 " 99 "	188	12,952	55,096,466	4,125,525	130,903,943	237,803,897
100 " 199 "	82	11,204	51,215,071	6,648,601	167,785,713	286,543,566
200 " 499 "	58	17,742	87,128,461	9,885,444	266,896,224	436,415,710
500 " 999 "	20	13,814	69,881,279	11,544,887	144,658,801	315,520,990
1,000 " 1,499 "	3	3,904	19,323,568	813,903	29,898,034	60,247,429
1,500 employees and over	3	7,017	38,180,881	4,491,169	97,873,106	197,587,600
Head offices		1,950	12,782,499			
Totals	3,502	97,518	440,197,776	47,357,571	1,065,073,007	1,967,091,438
Yukon and Northwest Territories:						
All employees	13	138	681,248	51,725	2,600,056	3,434,135
Totals	13	138	681,248	51,725	2,600,056	3,434,135

¹ Based on the revised (1960) Standard Industrial Classification and the New Establishment Concept; not directly comparable with previous years.

TABLE 51. Principal Statistics of the Manufacturing Industries, by Province and Selling Value of Factory Shipments, 1961¹

Province and value group	Estab- lish- ments	Total employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number				dollars	
Canada:						
Under \$10,000	4,004	5,756	9,211,070	866,286	7,616,128	21,340,387
10,000 to \$ 24,999	4,784	13,466	30,697,808	2,452,892	32,652,703	80,455,839
25,000 " 49,999	4,530	22,624	59,910,917	4,196,491	68,003,150	162,752,093
50,000 " 99,999	4,434	37,560	108,625,076	7,507,075	144,640,156	319,653,784
100,000 " 199,999	4,194	57,789	182,499,249	12,154,460	296,808,931	601,098,287
200,000 " 499,999	4,464	115,925	383,008,940	24,897,449	751,426,638	1,437,837,546
500,000 " 999,999	2,372	123,644	427,208,092	26,777,284	883,605,784	1,672,586,766
1,000,000 " 4,999,999	2,823	359,225	1,388,399,653	101,164,354	3,146,196,527	6,019,674,443
5,000,000 and over	790	513,027	2,535,788,699	335,368,464	7,796,757,959	13,927,895,804
Head offices		15,930	106,097,465			
Totals	32,415	1,264,948	5,231,446,969	515,384,755	13,127,707,976	24,243,294,949
Newfoundland:						
Under \$10,000	161	218	316,018	17,131	370,716	751,774
\$ 10,000 to \$ 24,999	44	134	283,036	19,289	316,245	721,475
25,000 " 49,999	19	104	285,111	30,684	310,819	703,179
50,000 " 99,999	22	233	540,098	57,868	585,467	1,588,370
100,000 " 199,999	23	446	1,124,588	141,842	1,675,414	3,508,928
200,000 " 499,999	26	1,022	2,609,648	243,878	4,327,159	8,869,199
500,000 " 999,999	18	1,397	2,958,021	316,382	7,451,217	12,836,123
1,000,000 and over	25	6,308	27,667,447	6,236,970	45,591,831	108,245,161
Head offices		34	185,838			
Totals	338	9,898	35,969,805	7,064,044	60,628,868	137,224,209
Prince Edward Island:						
Under \$10,000	48	65	103,533	6,019	60,295	197,753
\$ 10,000 to \$ 24,999	20	64	95,232	9,314	167,412	314,445
25,000 " 49,999	18	73	152,943	21,455	399,521	661,913
50,000 " 99,999	26	240	473,808	54,241	1,043,847	1,889,643
100,000 " 199,999	18	266	577,981	74,224	1,350,019	2,518,038
200,000 " 499,999	17	466	848,160	95,802	3,939,607	5,335,213
500,000 " 999,999	3	147	430,789	22,433	1,188,656	1,996,584
1,000,000 and over	6	403	1,525,028	179,530	13,041,701	17,127,452
Totals	156	1,724	4,207,474	463,018	21,191,056	30,041,039
Nova Scotia:						
Under \$10,000	198	319	429,611	45,476	411,910	1,069,226
\$ 10,000 to \$ 24,999	213	713	1,299,484	128,873	1,458,320	3,514,929
25,000 " 49,999	146	895	1,784,081	163,182	2,395,936	5,283,020
50,000 " 99,999	110	981	2,206,775	255,678	3,835,387	7,823,567
100,000 " 199,999	108	1,738	4,334,556	475,990	8,059,852	15,718,784
200,000 " 499,999	120	3,660	9,245,584	1,144,128	20,379,529	37,985,595
500,000 " 999,999	43	2,273	5,997,729	736,723	19,502,157	31,887,166
1,000,000 " 4,999,999	55	8,015	27,139,623	2,489,415	59,797,753	112,902,983
5,000,000 and over	9	8,187	36,391,349	4,572,161	90,622,643	159,141,630
Head offices		20	90,464			
Totals	1,002	26,801	88,919,256	10,011,626	206,463,487	375,306,900
New Brunswick:						
Under \$10,000	129	223	250,227	27,757	266,981	641,305
\$ 10,000 to \$ 24,999	123	468	783,065	85,074	858,262	2,044,404
25,000 " 49,999	99	564	1,207,737	113,917	1,594,320	3,555,059
50,000 " 99,999	110	1,044	2,238,227	251,263	4,043,199	8,119,012
100,000 " 199,999	71	1,037	2,730,920	339,989	5,553,224	10,213,084
200,000 " 499,999	72	2,097	5,074,492	542,418	13,222,398	22,802,808
500,000 " 999,999	47	2,656	7,177,688	812,582	18,403,215	32,928,748
1,000,000 " 4,999,999	46	6,778	21,307,692	2,868,121	56,699,607	103,131,576
5,000,000 and over	11	7,413	31,691,883	10,374,285	122,409,522	214,020,719
Head offices		163	1,230,437			
Totals	708	22,443	73,892,368	15,415,406	223,050,728	397,456,695
Quebec:						
Under \$10,000	1,369	1,945	2,939,755	300,551	2,400,999	7,019,085
\$ 10,000 to \$ 24,999	1,580	4,461	9,721,207	729,902	11,306,825	26,735,504
25,000 " 49,999	1,534	8,088	19,146,792	1,195,911	24,389,573	55,245,838
50,000 " 99,999	1,593	14,313	36,583,195	2,214,427	55,224,078	114,610,306
100,000 " 199,999	1,518	21,817	61,822,528	3,515,159	113,134,837	216,739,836
200,000 " 499,999	1,524	40,998	122,266,507	6,405,223	266,658,429	487,457,455
500,000 " 999,999	793	44,243	136,840,101	7,521,847	296,259,341	552,687,012
1,000,000 " 4,999,999	804	112,269	392,106,935	27,041,695	880,187,506	1,694,992,211
5,000,000 and over	240	188,314	798,164,490	108,211,245	2,332,857,960	4,171,590,435
Head offices		7,281	46,978,679			
Totals	10,955	423,729	1,626,572,189	157,135,968	3,982,419,548	7,327,257,662

See footnote at end of table.

TABLE 51. Principal Statistics of the Manufacturing Industries, by Province and Selling Value of Factory Shipments, 1961¹ — Concluded

Province and value group	Estab- lish- ments	Total employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Ontario:						
Under \$10,000	1,097	1,569	2,771,768	230,346	2,176,479	6,115,353
\$ 10,000 to \$ 24,999	1,538	4,071	10,139,913	751,959	10,477,183	26,031,015
25,000 " 49,999	1,606	7,664	22,137,985	1,464,281	23,781,748	58,124,892
50,000 " 99,999	1,622	13,031	41,429,321	2,724,046	51,764,895	117,233,678
100,000 " 199,999	1,604	21,468	72,642,997	4,740,156	110,551,161	231,118,948
200,000 " 499,999	1,843	47,424	168,361,886	10,219,126	294,257,834	593,045,768
500,000 " 999,999	1,022	53,559	198,842,267	12,028,075	367,037,594	725,926,516
1,000,000 " 4,999,999	1,368	175,036	708,100,534	46,767,754	1,526,719,757	2,974,049,890
5,000,000 and over	381	261,565	1,330,995,611	157,783,788	3,950,526,168	7,225,681,493
Head offices		6,008	41,985,967			
Totals	12,081	591,415	2,597,408,249	236,709,531	6,337,292,819	11,957,329,553
Manitoba:						
Under \$10,000	231	273	478,635	50,980	416,523	1,145,962
\$ 10,000 to \$ 24,999	225	585	1,397,490	116,143	1,498,722	3,688,960
25,000 " 49,999	183	834	2,450,833	178,958	2,613,278	6,523,587
50,000 " 99,999	164	1,400	4,259,368	244,278	5,112,630	11,811,334
100,000 " 199,999	156	2,266	6,947,837	402,040	11,551,579	22,515,194
200,000 " 499,999	205	5,448	17,577,826	1,176,993	34,137,092	65,893,542
500,000 " 999,999	113	5,705	19,656,741	1,029,134	44,273,436	81,468,805
1,000,000 " 4,999,999	119	13,769	54,166,724	3,170,842	136,685,975	252,404,652
5,000,000 and over	20	10,825	49,795,575	9,874,599	205,151,087	324,442,603
Head offices		107	571,331			
Totals	1,416	41,212	157,302,360	16,243,967	441,440,322	769,894,639
Saskatchewan:						
Under \$10,000	115	169	286,531	35,017	181,188	587,255
\$ 10,000 to \$ 24,999	134	398	914,676	90,341	762,677	2,262,944
25,000 " 49,999	99	458	1,309,730	110,729	1,209,361	3,377,531
50,000 " 99,999	84	731	2,334,964	178,526	2,328,563	6,137,985
100,000 " 199,999	68	749	2,667,620	227,906	4,734,741	9,842,556
200,000 " 499,999	80	1,440	5,268,756	576,188	15,412,936	26,437,827
500,000 " 999,999	45	1,455	5,475,941	634,854	17,739,922	29,834,775
1,000,000 " 4,999,999	36	3,220	13,406,786	1,711,005	40,750,950	70,129,081
5,000,000 and over	14	3,431	16,549,139	4,095,846	135,694,884	195,822,249
Head offices		98	733,619			
Totals	675	12,149	48,947,762	7,660,412	218,815,222	344,432,203
Alberta:						
Under \$10,000	194	286	471,785	50,911	338,902	1,042,637
\$ 10,000 to \$ 24,999	261	775	1,863,703	175,132	1,591,268	4,349,025
25,000 " 49,999	250	1,214	3,452,123	263,473	3,301,317	8,843,748
50,000 " 99,999	231	1,732	5,615,501	438,510	7,287,207	16,634,132
100,000 " 199,999	199	2,374	8,413,058	681,333	13,431,580	28,201,825
200,000 " 499,999	193	3,879	14,270,133	1,128,096	33,665,097	60,189,540
500,000 " 999,999	85	3,124	11,867,839	896,818	32,819,091	58,052,947
1,000,000 " 4,999,999	116	11,777	50,096,243	4,818,969	129,638,152	247,588,676
5,000,000 and over	40	12,491	59,759,468	8,818,253	346,660,227	508,923,946
Head offices		269	1,538,631			
Totals	1,569	37,921	157,348,484	17,271,495	568,732,861	933,826,476
British Columbia:						
Under \$10,000	460	686	1,160,214	101,584	987,009	2,757,896
\$ 10,000 to \$ 24,999	645	1,794	4,192,284	346,290	4,205,419	10,771,666
25,000 " 49,999	572	2,718	7,944,593	647,787	7,953,596	20,297,495
50,000 " 99,999	470	3,847	12,908,837	1,081,632	13,371,708	33,678,406
100,000 " 199,999	427	5,605	21,143,326	1,540,633	26,637,884	60,446,649
200,000 " 499,999	403	9,463	37,378,925	3,356,848	65,301,046	129,557,018
500,000 " 999,999	203	9,085	37,960,976	2,778,436	78,931,155	144,786,090
1,000,000 " 4,999,999	250	25,022	112,618,102	11,116,995	291,959,944	519,800,501
5,000,000 and over	72	37,348	192,108,020	26,387,368	575,725,246	1,045,195,717
Head offices		1,950	12,782,499			
Totals	3,502	97,518	440,197,776	47,357,571	1,065,073,007	1,967,091,438
Yukon and Northwest Territories:						
Under \$25,000	3	6	10,711	1,089	15,476	33,633
\$ 25,000 and over	10	132	870,535	50,636	2,584,580	3,400,502
Totals	13	138	681,246	51,725	2,600,056	3,434,135

¹ Based on the revised (1960) Standard Industrial Classification and New Establishment Concept; not directly comparable with previous years.

SECTION B. THE ATLANTIC PROVINCES

Culminating a series of three consecutive annual gains, the selling value of factory shipments in the four Atlantic Provinces reached a record \$940.0 million in 1961. The 3.0 per cent increase over the 1960 total of \$912.4 million was accomplished despite a 6.5 per cent net drop in the number of reporting establishments¹ from 2,357 to 2,204 and a marginal decline in the

number of employees from 61,071 to 60,864. Salaries and wages paid in 1961 totalled \$203.0 million and materials used cost \$511.3 million, representing increases of 2.1 and 4.3 per cent, respectively. The value added by manufacture amounted to \$397.3 million, only fractionally below the 1960 total of \$397.7 million.

Considered as an economic unit, the Atlantic Provinces in 1961 accounted for 3.9 per cent of Canada's \$24,243 million total selling value of factory shipments. New Brunswick, with

¹ See "Explanatory Notes" for the new definition of establishment and the principal changes resulting from its implementation.

factory shipments valued at \$397.5 million, replaced Nova Scotia which had held the lead continuously since 1952 in the selling value of factory shipments in the Atlantic Provinces. Nova Scotia, however, continued to have the largest numbers of both establishments and employees, at 1,002 and 26,801, respectively. Its factory shipments, valued at \$375.3 million, were followed by Newfoundland's \$137.2 million and Prince Edward Island's \$30.0 million. Except for Nova Scotia, these values represented new records for each province.

Pulp and paper retained its position as the leading industry in the Atlantic Provinces in 1961, accounting for shipments of \$203.9 million or 21.7 per cent of the total. Mills in New Brunswick and Newfoundland contributed \$108.5 million and \$73.7 million, respectively, in each case far surpassing the second-ranking industry, while Nova Scotia accounted for \$21.7 million. Because several leading industries in individual provinces are comprised of only one or two establishments, it is not possible to publish details on all of them. However, in addition to pulp and paper, industries in the top ten, arranged alphabetically and with values of shipments where publishable, were: bakeries, \$25.2 million; fish products, \$90.7 million; iron and steel mills; pasteurizing plants, \$24.3 million; petroleum refining, \$109.1 million; sawmills, \$34.5 million; shipbuilding and repair; slaughtering and meat packing, \$29.7 million; and sugar refineries. These ten leading industries accounted for combined shipments of \$620.9 million or two thirds of the total of all industries.

Six of the top ten industries reflect the dominance in the Atlantic Provinces of manufacturing based on the processing of indigenous natural resources: pulp and paper and sawmills on products of the forests; fish products, of the sea; slaughtering and meat packing and pasteurizing plants, of the farms; and iron and steel mills, of the coal mines in Nova Scotia and iron mines in Newfoundland. Others, such as petroleum refineries and a sugar refinery, all located at sea ports, are examples of highly developed technological processes using raw materials imported in bulk by ship and producing goods for a relatively self-contained market. Also directly related to the maritime location of the region is the importance of the shipbuilding and repair industry.

The next ten leading industries were dominated by manufacturers of food, feed and beverages: breweries, \$17.1 million; butter and cheese plants, \$19.4 million; feed manufacturers, \$14.9 million; fruit and vegetable canners and preservers, \$10.2 million; miscellaneous food manufacturers; and soft drink manufacturers, \$13.3 million. The remaining four of the top twenty industries were miscellaneous metal fabricating, \$9.9 million; printing and publishing; railroad rolling stock; and sash and door and planing mills, \$15.8 million. Combined shipments of the twenty leading industries amounted to \$774.6 million or 82 per cent of the total.

In Newfoundland, the selling value of factory shipments in 1961 reached a record \$137.2 million, up 8.1 per cent over the 1960 total of \$127.0 million. Total employment increased from 9,318 to 9,896 although the number of reporting establishments dropped from 396 to 338. As already indicated, pulp and paper was the leading industry, accounting for \$73.7 million or 53.7 per cent of the total value of factory shipments. Other important industries, with values of factory shipments, included the fish products industries, \$20.9 million; breweries, \$5.2 million; soft drink manufacturers, \$3.6 million; bakeries, \$3.5 million; printing and publishing, \$2.0 million; sawmills, \$1.8 million; and sash and door and planing mills, \$1.7 million. Among the industries making substantial contributions to total output, but for which data cannot be published because of the small number of establishments in each, were cement manufacturers, gypsum products manufacturers, ice cream manufacturers, miscellaneous food manufacturers, paint and varnish manufacturers, railroad rolling stock industry, ready-mix concrete manufacturers, and slaughtering and meat packing plants.

Reflecting Prince Edward Island's predominantly agriculture-based economy, seven of the ten leading industries in Prince Edward Island processed products either of, or for, the farm. In alphabetical order and, where publishable, with values of factory shipments, these were: butter and cheese plants, \$6.7 million; cotton and jute bag industry; feed manufacturers,

\$1.2 million; fruit and vegetable canners and processors, \$0.6 million; mixed fertilizers; pasteurizing plants, \$1.3 million; and slaughtering and meat packing plants. The other three industries in the top ten were the fish products industry, \$3.1 million; printing and publishing; and soft drink manufacturers, \$0.6 million. In total, these ten industries accounted for \$27.4 million or 91 per cent of the province's \$30.0 million of factory shipments. The total number of establishments, at 156, was two greater than in 1960, while employment rose from 1,671 to 1,724.

In contrast to increases in the other three Atlantic Provinces, the value of factory shipments in Nova Scotia declined by 3.2 per cent from \$387.9 million in 1960 to \$375.3 million in 1961. Despite this over-all drop, due in part to reduced shipments by the transportation equipment industries, increases were recorded by almost half of the industry groups: food and beverages, textiles, knitting mills, clothing, wood, furniture and fixtures, paper, printing and publishing, and metal fabricating. The number of reporting establishments, at 1,002, showed a net drop of 37, while salaries and wages, at \$88.9 million, were down from \$91.1 million in 1960. Seven of the ten leading industries for which details can be published were fish products, with \$45.8 million of factory shipments; pasteurizing plants, \$16.1 million; shipbuilding and repair, \$13.7 million; sawmills, \$11.6 million; bakeries, \$9.9 million; hosiery and other knitting mills, \$9.1 million; and printing and publishing, \$8.6 million. The other three, for which data cannot be published because of their small number of establishments, were iron and steel mills, petroleum refining and pulp and paper mills, each of which made substantial contributions to the province's industrial output. Other industries with shipments in excess of \$5 million each included sash and door and planing mills, fruit and vegetable canners and processors, miscellaneous food manufacturers, feed manufacturers and soft drink manufacturers.

In New Brunswick, new records were established for most of the principal manufacturing statistics in 1961: salaries and wages, \$73.9 million; cost at plant of materials used, \$223.1 million; value added by manufacture, \$160.0 million; and selling value of factory shipments, \$397.5 million. While not a record, employment, at 22,443, was the highest in several years. The drop in number of reporting establishments from 768 to 708 was largely confined to the food and beverage industries and wood industries.

Pulp and paper mills, with \$108.5 million of factory shipments, continued to dominate the industrial scene in the province, accounting for 27.3 per cent of the total. Others of the top ten industries for which figures can be published were fish products, \$20.9 million; sawmills, \$20.7 million; slaughtering and meat packing, \$13.2 million; miscellaneous food manufacturers, \$11.5 million; and bakeries, \$11.3 million. The remaining four industries of this group, for which data cannot be published because of their small numbers of establishments, are petroleum refining, railroad rolling stock, shipbuilding and repair, and sugar refineries. Other industries with shipments in excess of \$5 million each included butter and cheese plants, feed manufacturers, pasteurizing plants, sash and door and planing mills, and printing and publishing.

Changes in employment, salaries and wages, and selling value of factory shipments between 1957 and 1961, the most recent period for which direct comparisons can be made, indicate a slightly better performance for the Atlantic Provinces as a unit than for Canada as a whole. During this period the selling value of factory shipments was up 14.6 per cent as against 13.0 per cent for Canada; salaries and wages, up 9.9 per cent as against 9.5 per cent; and total manufacturing employment down 2.6 per cent, compared with a decrease of 5.7 per cent for Canada as a whole. In almost all of these changes, the trend in Nova Scotia ran counter to that in the other three provinces: its selling value of factory shipments was down 0.6 per cent as against increases ranging from 20.6 per cent in Newfoundland to 31.5 per cent in Prince Edward Island; its salaries and wages down 0.5 per cent, compared with increases ranging from 12.0 per cent in Newfoundland to 36 per cent in Prince Edward Island; and its employment down 12.4 per cent, in contrast to increases ranging from 2.1 per cent in Newfoundland to 13.1 per cent in Prince Edward Island.

During the period there was a slight shift in the proportion of total employment provided by the non-durable and durable goods industries, with the non-durable goods sector employing 38,166 or 62.7 per cent of the total in 1961 as against 36,404 or 58.3 per cent in 1957, and the durable goods industries employing 22,698 or 37.3 per cent of the total in 1961 as against 26,086 or 41.7 per cent in 1957. The food and beverage indus-

tries, with 20,095 employees, accounted for 34.0 per cent of total manufacturing employment, more than double the second-ranking employer, the paper and allied industries. Other leading employers were the transportation equipment, wood, primary metals, printing and publishing, metal fabricating, knitting mills, and textiles industries.

TABLE 52. Principal Statistics of the Leading Industries, Atlantic Provinces, 1961

Basis: Revised Industrial Classification and New Establishment Concept¹

No.	Industry	Estab-lish-ments	Em-employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
		number			dollars		
1	Pulp and paper mills	13	8,646	45,797,256	86,566,289	100,287,596	203,891,366
2	Petroleum refining	3	693	3,833,500	83,028,593	28,415,811	109,065,609
3	Fish products industry	238	9,688	18,695,413	57,350,850	29,039,201	90,700,382
4	Sawmills (including shingle mills)	649	4,068	8,735,696	18,837,996	15,078,287	34,455,672
5	Slaughtering and meat packing plants	13	882	3,520,343	23,539,545	5,950,658	29,684,449
6	Bakeries	147	2,266	6,094,083	12,163,646	12,137,444	25,173,373
7	Pasteurizing plants	74	1,523	4,553,994	15,856,735	7,660,120	24,254,699
8	Butter and cheese plants	41	559	1,493,816	15,786,168	3,129,716	19,436,807
9	Breweries	7	597	2,527,479	4,226,513	12,661,991	17,075,382
10	Sash and door and planing mills	122	1,362	3,802,696	9,221,972	6,422,214	15,809,838
11	Feed manufacturers	40	381	1,103,996	12,337,126	2,338,519	14,870,059
12	Soft drink manufacturers	61	715	2,135,343	4,409,276	8,390,261	13,267,072
13	Fruit and vegetable canners and preservers	18	896	1,640,595	5,793,478	4,686,536	10,186,783
14	Miscellaneous metal fabricating industries	5	722	2,813,338	3,612,961	5,155,591	9,899,588
15	Fabricated structural metal industry	5	613	2,561,411	5,779,323	4,045,235	9,867,964
	Other leading industries ²	105	10,258	49,269,121	80,713,005	59,455,056	157,159,217
	Totals, all industries	2,204	60,864	202,988,903	511,334,141	397,339,062	940,028,843

¹ See "Changes in Classification and Concept" at the beginning of this report.

² Includes: Iron and steel mills, Miscellaneous food manufacturers, Printing and publishing, Railroad rolling stock, Shipbuilding and repair and Sugar refineries.

TABLE 53. Principal Statistics of the Leading Industries, Newfoundland, 1961

Basis: Revised Standard Industrial Classification and New Establishment Concept¹

No.	Industry	Estab-lish-ments	Em-employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
		number			dollars		
1	Pulp and paper mills ²	2	3,196	19,114,294	29,892,579	39,224,895	73,725,374
2	Fish products industry	31	2,978	5,280,190	11,891,830	8,144,704	20,884,312
3	Breweries	3	212	827,411	1,140,366	3,952,017	5,186,357
4	Soft drink manufacturers	11	223	595,798	1,292,998	2,132,375	3,579,547
5	Bakeries	11	279	853,996	1,709,924	1,683,975	3,478,042
6	Printing and publishing	7	251	896,889	317,962	1,648,610	2,021,446
7	Sawmills (except shingle mills)	159	293	521,799	931,085	826,447	1,765,780
8	Sash and door and planing mills (excluding hardwood flooring)	21	198	588,942	1,028,609	679,250	1,680,108
	Other leading industries ³	11	875	3,412,694	7,166,446	6,166,744	13,724,760
	Totals, leading industries	256	8,505	32,092,013	55,371,799	64,459,017	126,045,726
	Totals, all industries	338	9,896	35,969,805	60,628,668	70,009,959	137,224,209

¹ See "Changes in Classification and Concept" at beginning of this report.

² Publication of these figures was authorized by the firms concerned.

³ Includes: Cement manufacturers, Gypsum products manufacturers, Ice cream manufacturers, Miscellaneous food manufacturers, paint and varnish manufacturers, Railroad rolling stock industry, Ready-mix concrete manufacturers and Slaughtering and meat packing plants.

TABLE 54. Principal Statistics of the Leading Industries, Prince Edward Island, 1961

Basis: Revised Standard Industrial Classification and New Establishment Concept¹

No.	Industry	Estab-lish-ments	Em-employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
		number			dollars		
1	Butter and cheese plants	10	127	382,583	5,540,248	926,568	6,650,643
2	Fish products industry	18	392	523,922	2,337,669	679,498	3,121,750
3	Pasteurizing plants	13	87	232,181	828,855	389,710	1,274,521
4	Feed manufacturers	14	54	136,639	951,159	203,683	1,180,931
5	Fruit and vegetable canners and preservers	4	112	163,751	370,178	266,035	644,714
6	Soft drink manufacturers	4	29	75,701	198,073	364,807	580,908
7	Bakeries	8	68	138,012	232,958	193,726	449,555
	Other leading industries ²	6	469	1,672,462	9,847,084	3,816,687	13,899,656
	Totals, leading industries	77	1,338	3,325,251	20,306,224	6,840,714	27,802,678
	Totals, all industries	156	1,724	4,207,474	21,191,058	8,131,146	30,041,039

¹ See "Changes in Classification and Concept" at the beginning of this report.

² Includes: Cotton and jute bag industry, Manufacturers of mixed fertilizers, Printing and publishing and Slaughtering and meat packing plants.

³ Includes: Cement manufacturers, Gypsum products manufacturers, Ice cream manufacturers, Miscellaneous food manufacturers, Paint and varnish manufacturers, Railroad rolling stock industry, Ready-mix concrete manufacturers and Slaughtering and meat packing plants.

TABLE 35. Principal Statistics of the Leading Industries, Nova Scotia, 1961

Basis: Revised Standard Industrial Classification and New Establishment Concept¹

No.	Industry	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
		number			dollars		
1	Fish products industry	122	3,924	8,874,323	29,815,617	14,057,557	45,798,555
2	Pulp and paper mills	3	1,192	5,246,517	8,385,585	11,607,771	21,698,217
3	Pasteurizing plants	33	955	3,104,155	10,493,061	5,169,108	16,106,739
4	Shipbuilding and repairs	17	2,000	7,883,947	5,766,728	7,578,426	13,650,495 ²
5	Sawmills (except shingle mills)	264	1,552	2,981,429	5,957,201	5,080,143	11,568,417
6	Bakeries	73	954	2,498,142	4,777,964	4,771,393	9,926,212
7	Printing and publishing	27	879	3,813,888	1,591,785	6,907,943	8,598,967
8	Hosiery and other knitting mills	7	1,169	2,412,920	4,905,924	4,143,022	9,139,732
9	Sash and door and planing mills (excluding hardwood flooring)	43	625	1,704,781	4,901,216	2,695,623	7,689,010
10	Fruit and vegetable canners and preservers	10	582	1,004,136	3,852,549	2,437,148	6,111,110
11	Miscellaneous food manufacturers	10	212	626,859	3,205,095	2,559,454	5,761,638
12	Feed manufacturers	11	104	296,296	4,645,381	928,489	5,621,735
13	Soft drink manufacturers	25	257	827,325	1,708,170	3,688,760	5,538,944
14	Butter and cheese plants	12	165	407,640	3,465,445	896,535	4,289,661
15	Ice cream manufacturers	5	151	473,569	1,359,299	864,854	2,289,150
16	Miscellaneous machinery and equipment manufacturers	5	271	986,235	474,405	1,565,063	2,120,916
17	Ready-mix concrete manufacturers	6	76	286,707	1,354,307	601,921	2,027,243
	Other leading industries ³	30	8,407	36,221,349	94,753,835	65,882,803	163,713,070
	Totals, leading industries	703	23,455	79,630,238	191,413,587	141,238,013	341,649,811
	Totals, all industries	1,002	26,801	88,919,256	206,463,487	159,218,497	375,306,900

¹ See "Changes in Classification and Concept" at the beginning of this report.² Reported on a production basis.³ Includes: Aircraft and parts manufacturers, Boiler and plate works, Breweries, Confectionery manufacturers, Communications equipment manufacturers, Corrugated box manufacturers, Cotton yarn and cloth mills, Fabricated structural metal industry, Iron and steel mills, Miscellaneous metal fabricating industries, Petroleum refining, Railroad rolling stock industry, Slaughtering and Meat packing plants and Wire and wire products manufacturers.

TABLE 36. Principal Statistics of the Leading Industries, New Brunswick, 1961

Basis: Revised Standard Industrial Classification and New Establishment Concept¹

No.	Industry	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
		number			dollars		
1	Pulp and paper mills	8	4,258	21,436,455	48,288,125	49,454,930	106,467,775
2	Fish products industries	67	2,394	4,006,978	13,305,734	6,157,442	20,895,765
3	Sawmills (except shingle mills)	181	2,125	5,058,513	11,754,767	8,946,490	20,691,603
4	Slaughtering and meat packing plants	6	390	1,688,848	10,269,822	2,921,262	13,176,715
5	Miscellaneous food manufacturers	10	384	884,063	7,354,403	4,169,108	11,491,430
6	Bakeries	55	965	2,603,933	5,442,780	5,488,350	11,319,564
7	Butter and cheese plants	19	267	703,593	6,780,475	1,504,613	8,496,503
8	Feed manufacturers	14	213	647,760	6,595,868	1,162,478	7,883,744
9	Pasteurizing plants	28	481	1,217,658	4,534,819	2,101,302	6,873,439
10	Sash and floor and planing mills (excluding hardwood flooring) ..	52	492	1,361,851	3,136,647	2,841,446	6,059,138
11	Printing and publishing	19	700	2,492,473	1,128,951	4,273,495	5,480,405
12	Soft drink manufacturers	21	206	636,519	1,210,035	2,204,319	3,567,673
13	Miscellaneous wood industries (including wood preservation) ..	6	138	469,292	1,058,043	1,190,241	2,327,012
14	Machine shops	17	237	836,256	839,301	1,231,696	2,150,467
15	Other leading industries ¹	36	6,950	23,866,234	90,903,492	55,928,591	146,990,643
	Totals, leading industries	539	20,200	67,910,446	212,603,262	149,595,763	375,872,076
	Totals, all industries	708	22,443	73,892,368	223,050,728	159,979,430	397,456,695

¹ See "Changes in Classification and Concept" at the beginning of this report.² Includes: Biscuit manufacturers, Breweries, Broom, brush and mop industry, Cement manufacturers, Confectionery manufacturers, Corrugated box manufacturers, Cotton yarn and cloth mills, Fabricated structural metal industry, Fruit and vegetable canners and preservers, Major appliances (electric and non-electric) manufacturers, Miscellaneous metal fabricating industries, Mixed fertilizers manufacturers, Petroleum refining, Railroad rolling stock industry, Shipbuilding and repair and Sugar refineries.

SECTION C. QUEBEC

On the basis used in compiling comparable data for the 1957-61 period. Quebec's manufacturing establishments in 1961 numbered 10,955. They furnished employment to 423,729 persons, paid \$1,626,572,189 in salaries and wages, spent \$3,982,419,548 for materials used and reported factory shipments valued at \$7,327,257,662. Value added by manufacture amounted to \$3,207,856,006. These data represent 33.5, 30.2 and 30.0 per cent, respectively, of employment, shipments and value added for all of Canada and give Quebec an industrial ranking among the provinces which is second only to Ontario.

Compared with a year earlier, employment in Quebec in 1961 fell by 1.3 per cent whereas salaries and wages advanced by 1.3 per cent, cost of materials used by 5.2 per cent, value of shipments by 3.6 per cent and value added by 1.3 per cent. These changes indicate a slight loss in relative position when compared with the 1961 experience of total Canadian manufacturing which reported a loss of only .83 per cent in employment and increases of 4.1 per cent and 2.9 per cent, respectively, for value of shipments and value added by manufacture. Expressed as a percentage of Canada totals, Quebec in 1961 accounted for 33.5, 30.2 and 30.0 per cent, respectively, of employment, shipments and value added compared with 33.7, 30.4 and 30.5 per cent, respectively, in 1960.

The counter movements in employment versus salaries and wages in Quebec between 1957 and 1961 reflect the general upward trend in average earnings. Though 4.8 per cent smaller in number, the persons employed in Quebec manufacturing in 1961 received 10.8 per cent more in salaries and wages than in 1957. The 4.8 per cent drop in employment was accompanied by a 14.1 per cent increase in value of shipments. For Canada as a whole, employment in manufacturing during the same period fell by 5.7 per cent while value of shipments advanced by 13.0 per cent and volume of production by 7.1 per cent.

Several important factors are contributing to the industrial development of Quebec. To begin with, the geographic situation of the Province is extremely favourable, with an excellent large harbour 800 miles inland where seagoing vessels of heavy tonnage can dock. Other important factors include forest and mineral resources in abundance, plentiful supplies of power and extensive agricultural lands. Rapidly increasing exploitation of its vast natural resources, new hydro-electric installations, improved and extended means of transportation, etc. are all contributing to the industrialization of the north and other relatively undeveloped parts of the Province. An extensive highway system links the big industrial centres to the rural areas where regional development is being vigorously pushed.

Quebec's manufacturing complex is based firmly on a number of leading industries, many of which have been an important part of its industrial fabric for a long time. Quebec's leading industry historically is pulp and paper with an output of approximately \$621 million in 1961. The smelting and refining industry for one year only, 1960, reported a higher value of shipments but the pulp and paper mills regained their traditional top spot in the year under review. The smelting and refining industry ranked a close second. The textile and clothing industries have long played an important role in manufacturing in Quebec and continue to do so. Of especial importance are the men's and women's factory clothing industries, the cotton yarn and cloth mills and the synthetic textile mills. Of long standing importance to Quebec manufacturing and accounting for a major part of the Canadian industry in each case are the Province's tobacco products manufacturers and shoe factories. To complete the top ten, mention must be made of petroleum refining, slaughtering and meat packing plants, and aircraft and parts manufacturers.

On the basis of employment provided, the non-durable or consumer goods industries in 1961 contributed 64.8 per cent (274,479 employees) of the total manufacturing employment in Quebec, while the durable goods industries accounted for the balance of 35.2 per cent (149,250 employees). The clothing industries constituted the leading group in the non-durable sector with 56,304 employees. They were followed by foods and

beverages with 48,690, textiles 38,175, paper and allied products 35,724, printing, publishing and allied industries 20,082, chemicals and chemical products 18,742, leather products 16,397, miscellaneous manufacturing industries 13,831, knitting mills 11,066, tobacco products 6,828, rubber products 5,703 and petroleum and coal products 2,937. In the durable goods sector the industries producing transportation equipment with 30,602 employees ranked as the major group. This was followed by metal fabricating (except machinery and transportation equipment) with 26,319, electrical products industries 23,414, primary metals 19,078, wood industries 17,405, furniture and fixtures 12,704, non-metallic mineral products 12,088, and machinery industries (except electrical machinery) 7,640.

Between 1957 and 1961, there was a loss of employment in the durable goods industries of 11.1 per cent while for the industries producing non-durable goods the loss was only 0.9 per cent, making a net loss of 4.8 per cent for manufacturing as a whole. As a result of this change in the pattern of employment the non-durable goods industries increased their share of the total manufacturing employment from 62.3 per cent in 1957 to 64.8 per cent in 1961, while the durable goods declined in importance from 37.7 per cent to 35.2 per cent. Only five industrial groups in the non-durable goods sector reported an increase in employment in 1961 as compared with 1957. These were: miscellaneous manufacturing industries 7.8 per cent, printing, publishing and allied industries 3.8 per cent, knitting mills 3.6 per cent, foods and beverages 1.6 per cent and clothing industries 0.7 per cent. The remaining seven groups of this sector reported lower employment. The greatest percentage loss in employment was reported by tobacco products with a drop of 14.8 per cent. Other losses were: rubber industries 11.3 per cent, chemical and chemical products 10.9 per cent, paper and allied products 3.5 per cent, and leather products, textiles, and petroleum and coal products with losses of less than one per cent. In the durable goods sector, only two industrial groups reported greater employment in 1961 than in 1957. These were furniture and fixtures with an increase of 4.0 per cent and non-metallic minerals with an advance of 1.7 per cent. Lower employment was reported by the remaining six groups. Of these, the machinery industries (except electrical machinery) with a loss of 21.5 per cent suffered the greatest decline. This was followed closely by the transportation equipment industries with a loss of 19.4 per cent. Significant employment losses were sustained by the remaining durable goods industries: wood industries 12.4 per cent, electrical products 12.3 per cent, metal fabricating industries 8.8 per cent and primary metal industries 7.8 per cent.

Quebec's industries are not as diversified as those of Ontario, although a number have an output approximately half or more of the total Canadian production. The manufacture of pulp and paper occupies the premier position. Fifty years ago this industry had hardly come into existence in the Province and in the mid-1920's the annual gross value of production had not yet reached \$1,000,000. In 1961 with shipments valued at \$620.7 million it accounted for 8.5 per cent of the gross value of Quebec's manufactures and for 38.0 per cent of the Canadian total for this industry. Other large industries in which Quebec predominates, with their percentage of the Canadian total, are: tobacco products 81.2 per cent, cotton yarn and cloth 75.4 per cent, women's clothing 70.8 per cent, aircraft and parts 56.2 per cent, men's clothing 55.3 per cent, synthetic textiles 53.4 per cent and smelting and refining 40.2 per cent.

Quebec also predominates in a number of the medium-sized industries, i.e. industries with shipments of \$100,000,000 to \$200,000,000. In this category are: shoe factories with 55.9 per cent, knitting mills 46.8 per cent, plastics and synthetic resins 46.8 per cent, electric wire and cable 46.8 per cent, railroad rolling stock 46.0 per cent, shipbuilding and repair 44.8 per cent and soft drinks 41.6 per cent.

A large number of small industries with shipments under \$100,000,000 are also concentrated in the Province of Quebec. Candle manufacturers with 94.7 per cent of the Canadian total ranked first in this category. This was followed by men's cloth-

ing contractors with 91.3 per cent, women's clothing contractors 88.1, process cheese 87.4, thread mills 86.9, narrow fabrics 83.6, children's clothing 80.9, boot and shoe findings 80.2, textile dyeing and finishing 75.7, rubber footwear 75.0, explosives and ammunition 70.0, fabric gloves 69.7, embroidery, pleating and hemstitching 68.9, linoleum and coated fabrics 68.8, umbrellas 68.3, fur dressing and dyeing 67.0, miscellan-

eous clothing 66.0, publication only 65.7, foundation garments 63.2, hosiery mills 62.9, fur goods 61.2, miscellaneous textiles 60.1, woodenware 59.2, buttons, buckles and fasteners 58.9, leather gloves 58.5, hardwood flooring 58.2, artificial flowers and feathers 58.2, woollen cloth 56.1, electric lamps and shades 53.9, hats and caps 52.7, miscellaneous vehicles 52.6, asbestos products 51.9 and hairgoods 50.1.

TABLE 57. Principal Statistics of the Forty Leading Industries, Quebec, 1961

Basis: Revised Standard Industrial Classification and New Establishment Concept¹

No.	Industries	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
		No.				dollars	
1	Pulp and paper mills	52	26,455	141,282,752	259,268,314	317,192,260	620,710,209
2	Smelting and refining	9	11,092	61,142,239	412,510,025	159,850,398	591,152,950 ²
3	Petroleum refining	6	2,789	17,158,799	290,442,398	78,606,062	370,800,382
4	Slaughtering and meat packing plants	86	5,467	23,331,270	193,437,906	44,929,888	239,064,019
5	Women's clothing factories	409	17,499	49,590,993	110,125,065	87,386,978	196,433,752
6	Aircraft and parts manufacturers	25	15,239	80,035,191	93,628,990	102,659,737	195,771,801 ²
7	Tobacco products manufacturers	15	6,606	28,854,770	101,924,386	84,602,122	186,813,260
8	Cotton yarn and cloth mills	20	12,837	42,317,902	102,369,889	72,530,542	178,555,857
9	Men's clothing factories	275	14,653	40,385,312	90,980,348	63,688,942	154,395,231
10	Synthetic textile mills	38	10,526	35,956,181	68,194,372	60,839,897	132,808,108
11	Butter and cheese plants	405	2,460	6,867,815	110,089,373	16,404,482	128,472,433
12	Miscellaneous food manufacturers	82	3,361	12,237,229	73,496,634	52,396,846	126,694,533
13	Bakeries	852	11,013	33,254,747	50,695,141	55,063,559	109,016,503
14	Manufacturers of industrial chemicals	33	4,184	23,409,593	37,307,207	51,475,260	97,747,890
15	Shoe factories	135	11,852	31,355,684	47,511,982	49,219,500	98,847,177
16	Miscellaneous machinery and equipment manu- facturers	71	6,859	30,109,118	45,820,115	51,141,873	96,267,793
17	Pasteurizing plants	172	4,196	15,200,220	63,483,803	27,991,525	93,101,873
18	Metal stamping, pressing and coating industry....	105	5,032	22,351,317	46,096,270	46,753,936	92,871,158
19	Feed manufacturers	335	2,194	7,157,881	75,612,617	15,872,046	92,571,660
20	Communications equipment manufacturers	23	11,036	54,952,948	25,745,560	65,230,695	91,155,596
21	Printing and publishing	87	7,193	34,291,839	26,023,453	62,856,962	89,351,662
22	Railroad rolling stock industry	6	7,650	33,679,202	46,718,293	34,688,540	83,905,829 ²
23	Manufacturers of electric wire and cable	6	2,646	13,570,616	45,518,000	31,537,184	76,039,018
24	Wire and wire products manufacturers	52	3,937	18,604,511	45,621,596	28,827,221	76,008,749
25	Household furniture industry	510	7,527	23,296,161	36,272,233	38,570,187	75,449,520
26	Manufacturers of pharmaceuticals and medi- cines	80	3,346	14,478,437	23,183,328	52,473,696	74,923,823
27	Soft drink manufacturers	171	2,780	10,579,651	20,287,848	49,181,587	70,895,033
28	Sawmills (except shingle mills)	907	6,554	16,388,353	37,929,990	28,817,996	68,987,357
29	Knitting mills (other than hosiery) *.....	92	5,911	15,992,603	40,592,098	26,330,791	67,231,873
30	Sash and door and planing mills (excluding hardwood flooring)	595	5,110	15,198,880	37,229,700	28,379,744	64,573,060
31	Printing and bookbinding	561	8,682	25,251,077	22,097,205	40,579,751	63,057,584
32	Fabricated structural metal industry	19	4,378	22,317,703	34,763,822	27,254,553	62,621,037 ²
33	Breweries	5	2,329	12,902,259	15,537,836	44,523,577	61,589,966
34	Shipbuilding and repairs	10	6,168	27,478,461	20,334,150	40,211,200	61,262,965
35	Children's clothing industry	136	6,221	14,538,763	35,518,864	12,859,080	59,258,645
36	Distilleries	6	1,588	7,912,190	15,470,223	41,612,630	57,650,715
37	Fruit and vegetable canners and preservers	108	2,852	7,503,224	32,707,704	21,148,513	53,077,501
38	Copper and alloy rolling, casting and extrud- ing	22	1,066	4,789,799	42,927,134	10,016,443	52,712,550
39	Publishing only	175	2,258	10,604,130	18,504,043	33,663,487	52,157,075
40	Manufacturers of plastics and synthetic resins ..	8	1,714	9,737,933	25,021,879	25,376,170	51,667,339
	Total, leading industries	6,704	273,260	1,095,845,753	2,920,997,794	2,180,545,660	5,213,673,486
	Total, all industries	10,955	423,729	1,626,572,189	3,982,419,548	3,207,856,006	7,327,257,662

¹ See "Changes in Classification and Concept" at the beginning of this report² Reported on a production basis.

SECTION D. ONTARIO

On the basis used in compiling comparable manufacturing data for the 1957-61 period, Ontario's manufacturing establishments in 1961 numbered 12,081. They furnished employment to 591,415 persons, paid \$2,597,408,249 in salaries and wages, spent \$6,337,292,819 for materials used and reported factory shipments valued at \$11,957,329,553. Value added by manufacture amounted to \$5,429,853,032. These data reflect Ontario's dominant position in Canadian manufacturing, representing as they do 46.8 per cent, 49.3 per cent and 50.8 per cent, respectively, of employment, shipments and value added for all of Canada.

Compared with the previous year, employment in Ontario in 1961 fell by .5 per cent whereas salaries and wages advanced by 1.6 per cent, cost of materials used by 5.1 per cent, value added by 4.0 per cent and value of shipments by 4.2 per cent. For Canada as a whole, employment dropped .83 per cent and value of shipments increased by 4.1 per cent compared with 1960, indicating that Ontario continued to maintain its relative position.

Ontario continues to hold its lead as Canada's most industrialized province. Its basic strength lies in manufacturing which has grown rapidly because of an abundance of raw materials, plentiful supplies of power, choice industrial sites and a close proximity to the large market areas in Canada and the United States. Most of the manufactures of the province and most of its population are located in Southern Ontario. At the same time, the manufacturing establishments which dot Eastern Ontario account for a significant part of the province's output. In this area, important contributions to provincial totals are made by manufacturers of foods and beverages, textiles, pulp and paper, chemicals and a number of other products.

The preponderance of Ontario in Canadian manufacturing and the great diversification of its manufacturing production can best be demonstrated by an analysis of the extent and variety of its participation in the domestic industries. To begin with, Ontario's manufacturers in 1961 reported more than 50 per cent of the value of factory shipments in 89 out of a total of 184 Canadian industries. Certain industries such as motor vehicles, motor vehicle parts, rubber tires and tubes, agricultural implements, leaf tobacco processing, breakfast cereals, office and store machinery, and soap and cleaning compounds are carried on practically in this province alone.

Of the 180 industries listed for Canada in 1961, 35 had shipments of over \$200,000,000, 37 had shipments of \$100,000,000 to \$200,000,000 and 108 had shipments below \$100,000,000. Ontario manufacturers accounted for more than half of the shipments of 13 of the 35 largest industries. These industries, with the percentage which the Ontario shipments of each bear to the 1961 Canada totals, are as follows: motor vehicle parts and accessories 97.6, motor vehicle manufacturers 97.5, manufacturers of electrical industrial equipment 88.1, iron and steel mills 83.8, manufacturers of major appliances (electric and non-electric) 76.2, miscellaneous metal fabricating industries 70.1, miscellaneous machinery and equipment manufacturers 66.4, fruit and vegetable canners and preservers 66.1, manufacturers of industrial chemicals 62.4, metal pressing, stamping and coating industry 60.9, communications equipment manufacturers 59.1, wire and wire products manufacturers 58.5, and printing and publishing industry 49.2.

Ontario also dominates 21 of the 37 medium-sized industries. These industries and Ontario's percentage of total shipments are as follows: rubber tires and tubes 95.5, leaf tobacco processing 93.7, soaps and cleaning compounds 90.4, agricultural implements 89.3, household radio and television receivers 69.8, instruments and related products 76.9, other chemical industries, n.e.s. 68.9, other paper converters 68.6, hardware, tools and cutlery 65.1, lithographing 65.0, miscellaneous electrical products 62.7, folding and set-up boxes 61.6, other rubber industries 61.0, steel pipe and tube mills 59.3, confectionery 58.9, ornamental and architectural metal industry 58.6, distilleries 56.6, aluminum rolling, casting and extruding 56.5, paint and varnish manufacturers 53.9, pharmaceuticals and medicines 53.4 and copper and alloy rolling, casting and extruding 51.3.

In addition, Ontario dominated many of the small industries in 1961 as indicated by the following percentages of Canadian totals. In this category were: smokers' supplies 97.4, office and store machinery 94.3, breakfast cereals 90.8, models and patterns 88.3, wool yarn mills 88.2, small electrical appliances 85.5, pressed and punched felt mills 85.7, wineries 85.3, commercial refrigeration and air conditioning 85.1, leather tanneries 84.1, cordage and twine 83.2, sporting goods 83.2, typewriter supplies 82.6, glass products 82.4, clocks and watches 81.4, vegetable oil mills 80.7, abrasives 78.4, auto fabric accessories 76.5, cooperage 76.1, toys and games 76.0, and mineral wool, 75.5.

The counter movements in employment versus salaries and wages between 1951 and 1961 reflect the general upward trend in average earnings. Though 7.0 per cent smaller in number, the persons employed in Ontario manufacturing in 1961 received 7.8 per cent more in salaries and wages than in 1957. The 7.0 per cent drop in employment from 1957 to 1961 was accompanied by a 10.6 per cent increase in shipments. For Canada as a whole, employment in manufacturing during the same period fell by 5.7 per cent while the value of shipments rose by 13 per cent and the volume of production advanced 7.1 per cent.

Prominent among Ontario's industries are those engaged in the production of durable goods such as transportation equipment, primary iron and steel, machinery, electrical industrial equipment and electrical appliances. Ontario is, in fact, a major producer of durable goods and in 1961 accounted for 52.7 and 57.9 per cent, respectively, of the employment and factory shipments reported by Canada's durable goods industries. On the basis of employment provided, the durable goods industries in 1961 accounted for 50.3 per cent (297,562 employees) of the manufacturing employment in Ontario while the non-durable or consumer goods industries contributed the balance of 49.7 per cent (293,853 employees). Transportation equipment was the leading group in the durable goods sector with 57,708 employees in 1961. This was followed by metal fabricating (except machinery and transportation equipment) with 53,109, primary metal industries 53,022, electrical products 52,843, machinery (except electrical) 30,810, non-metallic mineral products 19,546, wood industries 15,309 and furniture and fixtures industries 15,215. In the non-durable sector, the industries producing foods and beverages with 77,094 employees comprised the major group. This was followed by printing, publishing and allied industries with 37,044, paper and allied industries 35,873, miscellaneous manufacturing industries 29,023, chemicals and chemical products 27,789, clothing 22,063, textiles 21,426, leather industries 13,700, rubber industries 12,768, knitting mills 8,637, petroleum and coal products 5,835 and tobacco products industries 2,601.

As mentioned earlier, manufacturing employment in Ontario declined by .5 per cent in 1961 as compared with the previous year. Producers of both durable and non-durable goods reported reduced employment. In the durable goods sector, all groups reported declines in employment with the exception of the wood industries which reported a minor increase and the electrical products industries which reported an increase of 3.7 per cent. The largest decline was 2.5 per cent reported by non-metallic mineral products, followed by 2.4 per cent for machinery (except electrical), 2.1 per cent for furniture and fixtures, and 2.0 per cent for metal fabricating (except machinery and transportation equipment). An equal number of pluses and minuses were reported for the twelve non-durable industrial groups. In the loss column were rubber industries 9.9 per cent, chemical products 2.9 per cent, paper and allied industries 1.7 per cent, foods and beverages 1.6 per cent, tobacco products and clothing with negligible losses. The other six industrial groups reported increases ranging from 5.8 per cent and 5.4 per cent, respectively, for the leather industries and miscellaneous manufacturing industries to 1.5 per cent for the printing, publishing and allied industries.

As a major producer of durable goods, Ontario for a number of years experienced wider fluctuations in manufacturing production than provinces producing mainly non-durable or consumer

goods. The downturn of 1954 was more keenly felt by Ontario manufacturers. Factory shipments in that year were 3.9 per cent lower as compared with a drop of 1.3 per cent for Canada as a whole and employment was down by 5.6 per cent in Ontario compared with 4.5 per cent in Canada. Conversely, with the improvement during the following three years Ontario in 1957 reported an increase of 29.8 per cent in factory shipments and 7.6 per cent in employment over 1954. This compared with increases of 26.4 per cent and 7.2 per cent for Canada as a whole. The recession of 1958 followed the usual pattern. In comparing employment and shipments with 1957, it is found that in employment Ontario manufacturers suffered a loss of

5.8 per cent compared with 5.1 per cent for Canada as a whole while in the case of shipments the declines were 1.9 and 0.1 per cent, respectively. The gradual improvement which occurred in the next three years was reflected in 1961 figures which showed an increase in factory shipments of 13.0 per cent over 1958 for Ontario as against 11.3 per cent for Canada. Ontario, however, suffered a decrease in employment of 1.4 per cent as against a .7 per cent decrease for Canada in the same comparison. In a one-year comparison of 1961 over 1960, the usual pattern reappears with the value of shipments for Ontario and Canada increasing by 4.2 and 4.1 per cent, respectively, and employment falling by .5 and .83 per cent, respectively.

TABLE 58. Principal Statistics of the Forty Leading Industries, Ontario, 1961

Basis: Revised Standard Industrial Classification and New Establishment Concept¹

No.	Industries	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
		number				dollars	
1	Motor vehicle manufacturers	9	20,403	115,397,381	592,687,805	265,487,918	849,456,686
2	Iron and steel mills	18	26,572	152,998,085	285,839,374	353,503,358	661,271,241
3	Smelting and refining	10	11,040	56,463,907	352,215,917	266,166,393	636,856,457 ²
4	Pulp and paper mills	39	19,985	107,788,751	214,897,030	233,876,575	482,418,343
5	Slaughtering and meat packing plants	80	9,198	41,178,427	311,160,405	62,097,075	375,578,959
6	Petroleum refining	7	5,377	34,461,611	279,408,911	82,686,414	366,040,747
7	Motor vehicle parts and accessories manufacturers....	99	20,116	100,377,490	182,423,978	156,029,157	344,373,556
8	Manufacturers of industrial chemicals	53	9,193	51,879,076	114,873,080	155,922,921	297,174,596
9	Miscellaneous machinery and equipment manufactur- ers	265	16,990	79,807,603	118,889,983	137,321,463	259,513,253
10	Metal stamping, pressing and coating industry	223	10,946	50,797,494	127,487,845	99,243,183	228,154,650
11	Fruit and vegetable canners and preservers	149	10,153	32,772,890	128,558,972	89,550,857	216,838,792
12	Manufacturers of electrical industrial equipment.....	70	14,398	72,204,773	74,525,316	116,501,962	192,801,623
13	Miscellaneous food manufacturers	97	5,363	23,070,067	114,881,584	72,418,446	188,894,852
14	Printing and publishing	283	14,706	73,407,182	45,334,166	135,224,140	182,138,371
15	Pasteurizing plants	373	9,931	41,211,156	109,333,973	64,900,167	178,221,230
16	Rubber tire and tube manufacturers	8	7,197	36,810,258	83,646,452	80,003,318	172,180,999
17	Manufacturers of major appliances (electric and non- electric)	27	7,703	33,745,389	84,865,032	69,206,959	157,062,657
18	Manufacturers of soap and cleaning compounds	62	3,531	19,524,425	75,589,187	77,614,064	155,772,999
19	Bakeries	796	14,483	49,177,997	68,503,588	81,535,376	154,334,253
20	Miscellaneous metal fabricating industries	211	9,855	42,372,313	68,444,869	81,157,846	153,435,933
21	Communications equipment manufacturers	90	12,652	50,935,846	64,359,836	89,661,079	148,365,530
22	Printing and bookbinding	724	11,270	47,279,346	49,200,710	81,564,929	131,133,978
23	Wire and wire products manufacturers	110	7,207	34,444,204	71,662,218	55,436,011	129,156,466
24	Feed manufacturers	448	3,219	11,319,719	97,127,859	28,702,183	127,634,868
25	Other paper converters	103	6,926	29,684,448	71,277,326	55,957,505	127,588,859
26	Aircraft and parts manufacturers	32	9,613	46,529,977	56,242,248	68,660,524	123,465,052 ²
27	Agricultural implement industry	27	9,466	46,119,667	66,824,322	52,454,625	123,255,080
28	Breweries	17	2,637	15,280,407	24,523,701	88,492,785	113,874,981
29	Synthetic textile mills	17	5,086	22,245,512	47,386,990	60,814,657	111,098,380
30	Butter and cheese plants	288	2,860	8,246,214	91,070,777	14,945,314	107,964,243
31	Other chemical industries, n.e.s.	159	3,635	16,370,638	55,135,388	46,768,232	103,782,423
32	Leaf tobacco processing	10	1,403	4,549,948	79,844,698	16,885,331	98,380,858
33	Fabricated structural metal industry	34	5,948	30,031,698	49,526,055	47,500,125	97,963,183 ²
34	Household furniture industry	639	9,345	32,390,054	47,633,181	49,375,770	97,545,299
35	Distilleries	9	2,240	10,863,887	32,085,751	64,102,569	95,831,878
36	Instrument and related products manufacturers	60	6,105	28,959,209	43,799,454	52,370,115	94,973,493
37	Steel pipe and tube mills	9	2,289	12,807,692	56,373,024	32,958,662	91,878,000
38	Lithographing	165	8,553	29,275,037	39,596,122	51,297,999	91,173,986
39	Manufacturers of miscellaneous electrical products ..	80	5,886	23,875,650	42,849,004	46,621,147	89,872,389
40	Manufacturers of pharmaceuticals and medicines.....	78	4,094	16,720,192	25,843,953	63,137,681	88,703,113
	Totals, leading industries	5,978	365,374	1,733,375,620	4,545,510,084	3,750,154,835	8,448,162,256
	Totals, all industries	12,061	591,501	2,597,408,249	6,337,292,819	5,429,853,032	11,957,329,553

¹ See "Changes in Classification and Concept" at the beginning of this report.² Reported on a production basis.

SECTION E. THE PRAIRIE PROVINCES

After registering a slight decline in 1960, the selling value of factory shipments in the Prairie Provinces made a significant advance of 7.7 per cent in 1961, with the three-province total exceeding the \$2,000 million level for the first time on record. The increase in selling value of factory shipments from \$1,901 million in 1960 to \$2,048 million in 1961 occurred despite a slight net drop in the number of reporting establishments¹ from 3,682 to 3,660 and of employees from 91,589 to 91,282. Salaries and wages paid in 1961 totalled \$363.6 million; materials used cost \$1,229 million; and value added by manufacture amounted to \$782.9 million, representing increases over 1960 of 3.1, 8.8 and 5.2 per cent, respectively.

Considered as an economic unit, the three Prairie Provinces in 1961 accounted for 8.4 per cent of Canada's \$24,243 million total value of factory shipments, occupying approximately the same relative position as British Columbia, Ontario and Quebec, with their long-established concentration of industry, continued to dominate Canadian manufacturing, accounting for 49.3 per cent and 30.2 per cent, respectively, of the 1961 value of factory shipments.

While lacking both the concentration and diversification of the much longer established industrial complexes in Central Canada, manufacturing in the Prairie Provinces has shown tremendous growth during the post-World War II period. Much of this growth has been associated with the discovery of large fields of oil and natural gas; the construction of plants and pipelines for their processing, transmission and distribution; the construction of petro-chemical complexes to utilize the products and by-products of the oil and gas industry; and the construction and expansion of steel pipe mills and other ancillary industries to service it. At the same time, those industries based on agriculture, the Prairies' traditional source of economic strength, have increased in both extent and diversification. This is particularly evident in the food-processing industries where new techniques of freezing, dehydrating and other forms of processing have brought about the expansion of existing facilities and creation of new ones.

Slaughtering and meat packing maintained its position as the leading industry in the Prairie Provinces, with 1961 shipments valued at \$375.4 million, representing 18.3 per cent of the total. Petroleum refining, with shipments of \$225.6 million or 11.0 per cent of the total, ranked second. Because several leading industries are comprised of only one or two establishments in individual provinces, it is not possible to publish details on all of them. In addition to slaughtering and meat packing and petroleum refining, the other industries in the top ten, arranged alphabetically and with values of shipments where publishable, were: bakeries, \$50.0 million; breweries, \$43.6 million; butter and cheese plants, \$62.8 million; flour mills, \$99.3 million; pasteurizing plants, \$72.3 million; printing and publishing, \$47.7 million; the railroad rolling stock industry and smelting and refining. These ten leading industry accounted for combined shipments of \$1,127.0 million or 55.0 per cent of the total for all industries.

In contrast to the leading ten industries which were dominated by those processing products of the farm, the next ten showed a much greater degree of diversification. In alphabetical order and with values of factory shipments where publishable, these were: cement manufacturers, \$26.0 million; fabricated structural metal industry; feed manufacturers, \$28.5 million; manufacturers of industrial chemicals, \$37.7 million; men's clothing factories; metal stamping, pressing and coating industry, \$28.7 million; miscellaneous food manufacturers, \$29.1 million; pulp and paper mills, \$43.4 million; sash and door and planing mills, \$33.6 million; and steel pipe and tube mills. Combined shipments of the twenty leading industries amounted to \$1,355.6 million or 66.2 per cent of the total.

Of the forty leading industries in Canada in 1961, seven had factory shipments in the Prairie Provinces accounting for 15 or more per cent of the Canadian total. Leading this group were flour mills whose value of factory shipments accounted for 45.0 per cent of the Canadian total for that industry. Other industries

in the group, with their proportions of the Canadian total in percentages, were slaughtering and meat packing, 34.7; butter and cheese plants, 19.4; pasteurizing plants, 17.6; and breweries, 16.8. Although the railroad rolling stock industry was also in this group, its proportion cannot be shown for the Prairie Provinces as a whole because of the confidential nature of the data for Alberta. However, Manitoba alone accounted for 19.5 per cent of the Canadian total in this industry.

Reflecting the dominance of manufacturing based on the primary industries of agriculture and petroleum, Alberta's slaughtering and meat packing plants, with shipments valued at \$196.3 million, and petroleum refining industry, at \$107.8 million, together accounted for almost one third of the total value of that province's 1961 factory shipments of \$933.8 million. Other leading industries, with values of their factory shipments, were manufacturers of industrial chemicals, \$35.1 million; pasteurizing plants, \$34.2 million; and flour mills, \$30.2 million.

In Manitoba the two leading industries occupied the same relative position as in Alberta, with slaughtering and meat packing accounting for \$124.1 million, and petroleum refining, \$48.8 million of total factory shipments of \$769.9 million. The third-ranking industry, railroad rolling stock with shipments valued at \$35.6 million, reflects the unique location of Manitoba, and especially of Winnipeg, as the natural service centre for the network of transcontinental railway facilities converging there. The other three leading industries, with values of their factory shipments were clothing factories, \$24.5 million; flour mills, \$22.8 million; and pasteurizing plants, \$21.1 million.

In Saskatchewan, slaughtering and meat packing plants and petroleum refining also dominated the industrial scene in 1961, but in reverse order to that in both Alberta and Manitoba. Petroleum refining, with shipments valued at \$69.0 million, continued the role of leading industry assumed in 1950, followed by slaughtering and meat packing plants with \$55.1 million. Together, these accounted for about 36 per cent of the total output of \$344.4 million. Other leading industries were flour mills with \$46.3 million; butter and cheese plants with \$20.3 million; and pasteurizing plants with \$16.9 million of factory shipments.

As already indicated, the total number of reporting establishments in the Prairie Provinces, based on the New Establishment Concept introduced in 1961 and applied also to the 1957-60 period, dropped from 3,682 in 1960 to 3,660 in 1961. The net loss of 22 establishments comprised losses of 17 and 7 in Alberta and Saskatchewan, respectively, and a gain of two establishments in Manitoba. Employment dropped by 307, with all provinces sharing in the decline—Manitoba with 76; Saskatchewan, 118; and Alberta, 113. Salaries and wages, on the other hand, increased in all three provinces, reflecting higher average earnings. In Alberta, total salaries and wages were \$157,348,000, up 2.7 per cent over 1960; in Manitoba, \$157,302,000, up 3.9 per cent; and in Saskatchewan, \$48,948,000, up 1.8 per cent.

The movement of employment and wages in opposite directions between 1960 and 1961 also applies to the 1957-61 period. During those five years, total employment in the Prairie Provinces' manufacturing industries dropped 1.6 per cent, compared with a drop of 5.7 per cent for Canada as a whole, while total salaries and wages increased 16.6 per cent, compared with 9.5 per cent for Canada as a whole. This relatively superior performance for the Prairie Provinces is even more strikingly indicated by the value of factory shipments which were up 23.6 per cent in the Prairies during the 1957-61 period, compared with 13.0 per cent for Canada as a whole.

On the basis of employment provided, the non-durable goods industries in the Prairie Provinces accounted for 54,585 employees or 59.8 per cent of the total of 91,282 in 1961, with the durable goods industries employing 36,697 or 40.2 per cent. Foods and beverages, with 26,916 employees, provided almost half of the employment in the non-durable goods industries. Other leading employers in this sector were the printing, publishing and allied industries, with 7,990 employees; petroleum and coal products, 3,167; and chemicals and chemical products, 2,561. In the durable goods industries, the leading employer was the transportation equipment group, with 8,179 employees, fol-

¹ See Explanatory Notes for the new definition of establishment and the principal changes resulting from its implementation.

lowed by metal fabricating (except machinery and transportation equipment), 7,605; wood industries, 5,308; and non-metallic mineral products, 5,287.

The relatively small decrease in total employment in the non-durable goods industries from 54,684 in 1957 to 54,585 in 1961 obscures some fairly marked changes in various industrial groups. The largest change in absolute terms occurred in the petroleum and coal products group where employment dropped from 4,247 in 1957 to 3,167 in 1961, with all three provinces sharing in the decrease. Other groups registering declines in employment were leather, textiles, paper and allied industries, and chemicals and chemical products. The largest increase in employment, 71 per cent, occurred in the miscellaneous manu-

facturing industries which, with 1,997 employees, had 830 more than in 1957. Other groups providing increased employment during the period were foods and beverages, knitting mills, clothing, and printing, publishing and allied industries.

In the durable goods industries, employment dropped 3.5 per cent from 38,039 in 1957 to 36,697 in 1961. The largest decrease, 2,547 employees, occurred in the transportation equipment group while the wood industries registered a decrease of 1,115 employees, and the electrical products group, 296. All other groups in the durable goods industries showed increases, with the greatest gain, 1,296 in primary metals, reflecting in large part the coming into operation in 1961 of new nickel-copper smelting facilities in Manitoba.

TABLE 29. Principal Statistics of the Leading Industries, Prairie Provinces, 1961

Basis: Revised Standard Industrial Classification and New Establishment Concept¹

No.	Industry	Estab- lish- ment	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
		number				dollars	
1	Slaughtering and meat packing plants	42	8,051	37,614,486	315,003,720	59,369,147	375,378,043
2	Petroleum refining	20	3,021	17,635,813	163,419,007	61,279,578	225,639,360
3	Flour mills	19	1,915	7,472,221	76,562,003	21,708,526	99,267,141
4	Pasteurizing plants	70	3,986	14,606,736	48,501,822	22,534,693	72,301,661
5	Butter and cheese plants	177	1,655	4,935,926	52,779,165	9,032,894	62,791,574
6	Bakeries	416	4,745	16,088,691	20,558,330	26,074,355	49,988,181
7	Printing and publishing	232	4,453	17,682,991	12,720,677	34,558,227	47,745,026
8	Breweries	17	1,501	16,088,691	9,949,735	33,565,446	43,562,183
9	Pulp and paper mills	7	1,217	6,358,925	16,646,405	23,767,132	43,360,703
10	Industrial chemical manufacturers	19	1,267	6,529,666	12,306,422	23,185,626	37,734,874
11	Sash and door and planing mills	163	2,489	8,416,717	19,327,839	13,862,828	33,572,067
12	Miscellaneous food manufacturers	32	754	3,008,901	19,073,716	9,155,489	29,142,150
13	Metal stamping, pressing and coating industry	53	1,734	7,237,587	15,837,884	13,093,595	28,681,656
14	Feed manufacturers	97	622	2,365,414	21,195,079	28,495,074	28,495,074
15	Cement manufacturers	5	725	3,864,519	3,143,000	20,182,719	25,973,756
	Other leading industries ²	90	13,284	52,339,543	131,074,897	111,204,436	152,004,816
	Totals, leading industries	1,459	51,419	222,246,827	938,099,701	513,069,767	1,355,638,263
	Totals, all industries	3,660	91,282	363,598,606	1,228,988,405	782,939,057	2,048,153,318

¹ See "Changes in Classification and in Concept" at the beginning of this report.

² Includes: Fabricated structural metal industry, Men's clothing factories, Railroad rolling stock industry, Smelting and refining and Steel pipe and tube mills.

TABLE 30. Principal Statistics of the Leading Industries, Manitoba, 1961

Basis: Revised Standard Industrial Classification and New Establishment Concept¹

No.	Industry	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
		number				shipments	
1	Slaughtering and meat packing plants	12	2,783	13,217,218	105,991,968	17,682,160	124,053,295
2	Petroleum refining	3	491	2,672,420	35,530,577	13,311,676	48,810,115
3	Railroad rolling stock industry	5	3,374	14,577,674	17,493,017	17,291,601	35,634,478 ²
4	Men's clothing factories	51	2,920	6,970,171	14,635,000	9,985,196	24,488,015
5	Flour mills	5	443	1,698,328	18,692,570	3,659,089	22,775,781
6	Pasteurizing plants	16	1,013	4,069,475	14,254,819	6,458,993	21,112,294
7	Miscellaneous food manufacturers	20	530	2,053,639	13,311,827	6,012,602	19,904,479
8	Printing and publishing	69	1,772	6,904,752	4,843,236	13,132,434	16,125,553
9	Butter and cheese plants	55	502	1,487,284	14,709,652	2,966,659	17,929,110
10	Bakeries	151	1,694	5,930,683	7,292,698	9,649,545	17,487,098
11	Women's clothing factories	23	1,603	4,726,685	8,757,500	6,792,847	15,608,156
12	Printing and bookbinding	87	1,481	6,125,262	5,001,282	10,103,886	15,173,416
13	Breweries	6	623	2,984,053	3,165,854	11,835,337	15,123,299
14	Metal stamping, pressing and coating industry	23	992	4,155,517	6,614,535	6,813,532	13,322,275
15	Household furniture industry	97	1,070	3,740,299	6,422,933	5,767,322	12,287,688
16	Feed manufacturers	36	243	905,007	9,070,106	2,742,460	11,963,294
17	Other furniture industries	20	737	2,469,746	4,833,533	3,855,840	8,783,906
18	Miscellaneous metal fabricating industry	12	507	2,338,300	4,274,012	4,326,777	6,727,966
19	Agricultural implement industry	15	528	1,759,935	5,084,425	3,732,022	8,543,888
20	Fabricated structural metal industry	5	765	3,731,076	3,919,995	4,054,891	8,148,769 ³
21	Soft drink manufacturers	19	359	1,359,538	2,790,499	4,950,903	7,953,399
22	Paint and varnish manufacturers	6	312	1,112,557	4,017,620	3,595,178	7,562,644
23	Fruit and vegetable canners and preservers	10	313	1,032,819	4,198,363	1,875,213	6,124,943
24	Miscellaneous machinery and equipment manufacturers	13	471	2,098,787	2,387,328	3,512,318	5,857,609
25	Sash and door and planing mills	33	626	2,118,789	2,548,466	3,229,571	5,844,594
26	Concrete products manufacturers	17	472	1,718,912	2,504,205	2,601,427	5,435,442
27	Fur goods industry	35	436	1,410,926	3,037,457	2,032,020	5,026,533
	Other leading industries ⁴	29	4,963	22,361,044	50,659,584	69,565,880	128,671,677
	Totals, leading industries	873	32,023	125,730,916	376,243,041	251,537,599	640,477,736
	Totals, all industries	1,416	41,212	157,302,360	441,440,322	315,235,281	769,894,639

¹ See "Changes in Classification and in Concept" at the beginning of this report.

² Reported on production basis.

³ Includes: Aircraft and part manufacturers, Biscuit manufacturers, Cement manufacturers, Corrugated box manufacturers, Cotton and jute bag industry, Iron and steel mills, Other paper converters, Pulp and paper mills, Smelting and refining and Sugar refineries.

TABLE 61. Principal Statistics of the Leading Industries, Saskatchewan, 1961

Basis: Revised Standard Industrial Classification and New Establishment Concept¹

No.	Industry	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
		number		dollars			
1	Petroleum refining	6	938	5,540,028	51,351,093	18,137,709	68,993,227
2	Slaughtering and meat packing plants	10	1,428	6,456,160	44,221,184	10,345,587	55,061,309
3	Flour mills	6	851	3,423,947	33,984,394	11,863,509	46,286,316
4	Butter and cheese plants	42	563	1,769,900	16,559,784	3,265,440	20,280,920
5	Pasteurizing plants	20	934	3,459,044	10,453,950	6,178,453	16,948,434
6	Bakeries	97	1,068	3,574,581	4,391,875	6,968,640	11,630,040
7	Breweries	5	362	1,791,214	2,733,531	8,175,235	10,996,310
8	Printing and publishing	87	1,171	4,341,807	2,409,017	7,569,246	10,154,415
9	Sash and door and planing mills (excluding hardwood flooring) ..	28	385	1,367,431	3,352,210	2,215,255	6,547,077
10	Soft drink manufacturers	27	272	942,097	2,076,602	3,583,855	5,892,223
11	Metal stamping, pressing and coating industry	9	270	1,112,598	2,917,777	1,835,649	4,879,889
12	Fabricated structural metal industry	3	225	961,727	2,232,976	1,348,627	3,606,914 ²
13	Ready-mix concrete manufacturers	6	82	380,237	2,029,575	836,679	2,942,504
14	Feed manufacturers	7	68	248,259	1,807,361	715,772	2,535,428
	Other leading industries ³	3	869	4,383,074	19,284,505	21,180,560	41,924,037
	Totals, leading industries	356	9,486	39,752,104	200,805,834	104,220,216	308,679,043
	Totals, all industries	675	12,149	48,947,762	218,815,222	120,971,938	344,432,203

¹ See "Changes in Classification and in Concept" at the beginning of this report.² Reported on a production basis.³ Includes: Cement manufacturers, Iron and steel mills, Smelting and refining and Steel pipe and tube mills.

TABLE 62. Principal Statistics of the Leading Industries, Alberta, 1961

Basis: Revised Standard Industrial Classification and New Establishment Concept¹

No.	Industry	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
		number		dollars			
1	Slaughtering and meat packing plants	20	3,840	17,941,108	164,790,568	31,341,400	196,263,439
2	Petroleum refining	11	1,592	9,423,365	76,537,337	29,830,193	107,836,018
3	Manufacturers of industrial chemicals	12	1,149	6,043,593	11,693,467	21,166,292	35,051,649
4	Pasteurizing plants	34	2,039	7,078,217	23,793,053	9,897,247	34,240,938
5	Flour mills	8	621	2,349,946	23,685,039	6,185,928	30,205,044
6	Butter and cheese plants	80	590	1,678,742	21,509,729	2,800,795	24,581,544
7	Sash and door and planing mills (excluding hardwood flooring) ..	102	1,478	4,930,497	12,427,163	8,418,002	21,180,396
8	Bakeries	168	1,983	6,583,427	8,873,757	11,456,170	20,871,043
9	Printing and publishing	76	1,510	6,436,432	5,468,424	13,856,547	19,465,058
10	Manufacturers of plastics and synthetic resins	4	494	2,931,370	7,409,916	9,033,566	17,923,464
11	Breweries	6	516	2,564,830	4,050,350	13,554,874	17,442,574
12	Fabricated structural metal industry	7	954	4,209,754	8,251,534	5,709,906	14,052,831 ²
13	Feed manufacturers	54	311	1,212,148	10,317,612	3,505,754	13,996,352
14	Cement manufacturers	3	400	2,163,415	1,773,889	9,850,711	12,866,649
15	Ready-mix concrete manufacturers	13	421	2,122,830	7,787,644	3,742,021	11,836,884
16	Concrete products manufacturers	48	731	2,963,947	4,302,138	7,289,027	11,796,082
17	Machine shops	64	932	4,340,234	4,318,986	6,191,721	10,547,853
18	Metal stamping, pressing and coating industry	21	472	1,969,472	6,305,572	4,426,414	10,479,492
19	Men's clothing factories	9	953	2,826,646	5,245,578	5,342,398	10,455,595
20	Miscellaneous food manufacturers	11	218	942,743	5,700,730	3,127,692	9,160,008
21	Glass manufacturers	3	680	2,674,095	3,383,643	5,018,633	8,607,147
22	Soft drink manufacturers	26	359	1,270,497	2,708,810	5,431,946	8,414,826
	Other leading industries ³	12	3,286	15,316,281	64,848,892	35,799,878	106,237,786
	Totals, leading industries	792	25,529	109,773,589	485,183,831	252,977,117	753,512,672
	Totals, all industries	1,569	37,921	157,348,484	568,732,861	346,731,838	933,826,476

¹ See "Changes in Classification and in Concept" at the beginning of this report.² Reported on a production basis.³ Includes: Railroad rolling stock industry, Smelting and refining, Steel pipe and tube mills, Sugar refineries and Pulp and paper mills

SECTION F, BRITISH COLUMBIA

On the basis used in compiling comparable data for the 1957-61 period, the manufacturing establishments in British Columbia in 1961 numbered 3,502. They furnished employment to 97,518 persons, paid \$440,197,776 in salaries and wages, spent \$1,065,073,007 for materials used and reported factory shipments valued at \$1,967,091,438. Value added by manufacture amounted to \$863,442,538. These data represent 7.7, 8.1 and 8.1 per cent, respectively, of employment, shipments and value added for all Canada and make British Columbia the third most important manufacturing province, outranked only by Ontario and Quebec in that order.

Compared with a year earlier, employment in British Columbia in 1961 fell by 1.4 per cent whereas salaries and wages advanced by 1.3 per cent, cost of materials used by 5.8

per cent, value of shipments by 3.1 per cent and value added by 1.6 per cent. These changes indicate a slight loss in relative position when compared with the 1961 experience of total Canadian manufacturing which reported a loss of only .83 per cent in employment and increases of 4.1 per cent and 2.9 per cent, respectively, for value of shipments and value added by manufacture. Expressed as a percentage of Canada totals, British Columbia in 1961 accounted for 7.7, 8.1 and 8.1 per cent, respectively, of employment, shipments and value added compared with 7.8, 8.2 and 8.2 per cent, respectively, in 1960.

The counter movements in employment versus salaries and wages in British Columbia reflect the general upward trend in average earnings in recent years. Though 6.6 per cent smaller in number, the persons employed in British Columbia manu-

facturing in 1961 received 9.4 per cent more in salaries and wages than in 1957. The 6.6 per cent drop in employment was accompanied by a 13.2 per cent increase in value of shipments. For Canada as a whole, in a 1961 over 1957 comparison, employment in manufacturing fell by 5.7 per cent while value of shipments advanced by 13.0 per cent and volume of production by 7.1 per cent.

Fisheries, minerals and electric power all contribute greatly to the Province's industrial strength but the forest-based industries are the backbone of British Columbia's economy. In addition to being the most important industrial group in the Province, these industries produce a significant proportion of Canada's output of wood products. Since the mid-20's British Columbia has contributed an average of at least half of Canada's cut of lumber. Its share of the Canadian total of lumber sawn in 1961 was 68 per cent. The province in that year also accounted for 85 per cent of all plywood produced and practically all (97 per cent) of the shingles manufactured. Its output of pulp-wood has risen steadily and its production of wood residue is expanding rapidly. In the year under review British Columbia accounted for 15 per cent and 75 per cent, respectively, of Canada's production of these two commodities.

The importance of British Columbia's forest industries is reflected in its first-ranking position among the provinces in the wood industries industrial group. Ontario and Quebec are outstandingly predominant in all other major groups of the manufacturing division of the Standard Industrial Classification. In the wood industries group, however, British Columbia holds the dominant position. In 1961 it reported 52.7 per cent of the total value of factory shipments reported for the group, outranking both Ontario and Quebec which accounted, respectively, for 17.1 per cent and 17.9 per cent.

Indicative of the importance of the forests in the industrial life of the Province, the combined value of the factory shipments in 1961 of the wood industries group (\$556,103,060) and the paper and allied products group (\$323,142,939) accounted for 44.7 per cent of the total \$1,967,091,438 reported by British Columbia's manufacturers in that year. Sawmills (excluding shingle mills) with factory shipments valued at \$368,784,217

retained their traditional top spot among the Province's industries followed by the pulp and paper mills with factory shipments worth \$284,225,380. The relative importance of these two leading industries to the Province's economy has been changing over the years due to the faster expansion of the latter industry. The value of factory shipments reported by sawmills (excluding shingle mills) in 1961 represents an increase of 18.4 per cent over 1957 compared to a 63.9 per cent advance by the pulp and paper mills in the same comparison.

Third in importance was the petroleum refineries industry with factory shipments valued at \$110,051,004. Following in fourth place was veneer and plywood mills which reported shipments worth \$91,414,031 or 63.6 per cent of the 1961 Canadian total for this industry. The fish products industry, recovering from a very poor year and a seventh-place ranking in 1960, occupied the fifth position with shipments valued at \$72,987,134. This amount represents 43 per cent of the Canadian total for this industry in 1961. Other leading industries in order of importance are: sash and door and planing mills, slaughtering and meat packing plants, pasteurizing plants, miscellaneous food manufacturers and manufacturers of industrial chemicals, etc. The non-ferrous metal smelting and refining industry also ranked among the leading industries. Information, however, cannot be published as there were fewer than three smelters in operation.

The non-durable or consumer goods industries reported 39,272 or 40.3 per cent of the persons employed in manufacturing in British Columbia in 1961, while the durable goods industries provided employment for the balance of 58,246 or 59.7 per cent. Factory shipments by the non-durable group were valued at \$1,003,128,459 compared to \$963,962,978 for durables, these amounts representing 51.0 and 49.0 per cent, respectively, of the \$1,967,091,438 total reported by British Columbia manufacturers in the year under review. The food and beverage industries with 15,444 employees and shipments valued at \$397,776,809 constituted the leading group in the non-durable goods sector. In the durable goods sector the wood industries with 35,808 employees and shipments worth \$556,103,060 ranked as the major group.

TABLE 63. Principal Statistics of the Leading Industries, British Columbia, 1961

Basis: Revised Standard Industrial Classification and New Establishment Concept¹

No.	Industries	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
		number				dollars	
1	Sawmills (except shingle mills)	897	24,215	102,656,701	216,465,810	146,394,215	368,784,217
2	Pulp and paper mills	14	9,496	53,943,378	102,789,768	167,296,322	284,225,380
3	Petroleum refining	7	1,294	8,028,610	81,304,232	25,047,368	110,051,004
4	Veneer and plywood mills	19	6,146	27,379,279	52,688,386	35,484,860	91,414,031
5	Fish products industry	48	2,805	10,244,096	49,424,396	28,335,515	72,987,134
6	Sash and door and planing mills (excluding hardwood flooring)	183	3,321	13,563,027	41,660,817	23,931,905	66,618,539
7	Slaughtering and meat packing plants	21	1,477	7,280,719	50,680,542	10,393,459	61,207,878
8	Pasteurizing plants	43	2,042	8,783,423	29,643,943	13,090,250	43,737,371
9	Miscellaneous food manufacturers	35	783	2,993,793	32,968,697	10,454,177	43,323,136
10	Manufacturers of industrial chemicals	16	1,445	7,153,747	17,209,312	25,394,478	41,867,578
11	Fruit and vegetable canners and preservers	45	1,905	5,625,468	24,023,041	11,832,302	36,636,566
12	Printing and publishing	92	2,927	14,772,527	6,990,668	26,522,045	33,833,568
13	Bakeries	316	3,122	11,109,414	12,646,263	17,480,665	31,032,868
14	Shipbuilding and repair	19	2,946	14,824,610	8,815,276	20,955,941	30,111,504 ²
15	Feed manufacturers	38	623	2,565,858	19,656,047	5,940,431	26,088,945
16	Metal stamping, pressing and coating industry	47	838	4,483,576	13,320,305	9,189,072	23,685,872
17	Breweries	8	559	2,831,307	4,823,750	18,154,897	23,335,688
18	Miscellaneous machinery and equipment manufacturers	45	1,568	7,719,894	7,549,407	12,144,643	20,486,493
19	Shingle mills	45	1,373	6,122,487	8,154,851	7,736,293	16,182,614
	Totals, leading industries³	1,936	68,885	312,081,914	781,017,311	615,778,838	1,425,611,186
	Totals, all industries	3,502	97,518	446,197,776	1,065,073,007	863,442,538	1,967,091,438

¹ See "Changes in Classification and Concept" at the beginning of this report.² Reported on a production basis.³ Non-ferrous metal smelting and refining is also a leading industry. Statistics, however, are confidential since there are less than three firms reporting.

PART VI

SUB-PROVINCIAL DISTRIBUTION OF MANUFACTURING INDUSTRIES

The tables in this part of the report contain principal statistics on total manufacturing for counties or census divisions, and for cities and towns with selling value of factory shipments of \$1,000,000 and over and with three or more establishments, and by industry and municipality, where publishable, for the six leading metropolitan areas, together with certain summary tables. The tables correspond to those in Part II Section 7 and in Appendix I of the 1960 *General Review* and are, in general, summaries of, or extracts from, data already published in *The Manufacturing Industries of Canada, 1961, Section G, Geographical Distribution* (Catalogue No. 31-209). The same qualification set forth in footnote 1 to the table on page 6 of that report applies to the data in this Part, i.e. in order to maintain as much comparability as possible with sub-provincial data for 1960, two industries (poultry processors and dental laboratories) and two groups of establishments (book

publishing and electro-plating), all of which were surveyed for the first time in 1960, are included in this part of the report. Data for these industries and groups of establishments for 1961 were excluded from the other parts of this report and the other general reports in the manufacturing series in order to maintain comparability over the 1957-61 period but they will be re-introduced in the revised 1961 statistics published in 1962 reports.

The inclusion of these additional industries and establishments for 1961 in this part of the report results in all provincial totals except those for Yukon and the Northwest Territories, as shown in Tables 64 and 66, being larger than those in the remainder of the report. The total difference in selling value of factory shipments amounts to approximately \$180 million.

TABLE 64. Principal Statistics of the Manufacturing Industries of Canada, by Province and Census Division or County, 1961

Census Division or County	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	number			dollars		
Newfoundland:						
Division No. 1	128	3,923	11,092,313	19,697,046	20,485,325	41,334,390
Division No. 2	11	817	1,626,732	3,256,581	2,202,240	5,583,494
Division No. 3	18	699	1,020,370	2,241,926	1,958,859	4,227,997
Division No. 4	12	31	66,212	79,919	114,960	204,640
Division No. 5	24	2,205	11,604,947	20,630,943	25,890,350	50,569,716
Division No. 6	25	1,583	9,556,415	12,535,992	17,949,905	31,388,598
Division No. 7	41	406	597,769	1,427,709	764,239	2,427,331
Division No. 8	41	139	238,032	316,014	240,579	586,821
Division No. 9 and 10	40	107	199,661	458,629	476,435	960,837
Totals	340	9,910	36,000,451	60,644,759	70,082,892	137,283,824
Prince Edward Island:						
Kings	36	281	470,603	1,697,507	656,498	2,416,300
Prince	55	563	1,174,633	6,025,642	2,443,366	8,735,600
Queens	71	937	2,678,113	13,807,771	5,272,550	19,482,099
Totals	162	1,781	4,323,349	21,530,920	8,372,714	30,633,999
Nova Scotia:						
Annapolis	35	436	980,358	3,199,495	1,300,843	4,707,276
Antigonish	14	92	276,637	849,795	573,378	1,461,796
Cape Breton	92	4,982	22,546,784	33,994,182	28,646,146	64,687,148
Colchester	87	1,749	4,266,646	11,041,887	8,437,714	19,689,501
Cumberland	66	1,312	3,943,799	6,716,281	6,918,590	14,043,184
Digby	69	699	1,205,726	3,690,502	2,002,952	5,872,778
Guysborough	18	524	1,153,889	2,697,231	1,649,647	4,403,399
Halifax	191	7,737	29,255,810	83,974,135	62,306,127	147,762,968
Hants	42	1,322	3,084,300	6,849,593	6,015,539	13,309,684
Inverness	21	196	303,567	1,104,536	468,465	1,671,206
Kings	60	1,013	2,500,007	12,645,291	5,299,192	18,030,338
Lunenburg and Queens	125	2,670	6,688,581	16,739,511	17,281,483	36,281,518
Pictou	82	2,090	6,500,043	13,424,982	9,846,303	24,763,465
Richmond	9	356	822,228	2,089,077	1,424,265	3,569,192
Sheburne	48	696	1,394,101	4,168,303	2,188,093	6,461,567
Victoria	6	20	37,706	35,864	54,583	90,358
Yarmouth	60	1,098	2,427,949	6,571,476	5,452,262	12,265,537
Totals	1,025	26,992	89,388,131	209,792,141	159,665,582	379,070,915
New Brunswick:						
Albert	16	172	533,111	752,568	1,241,807	2,157,791
Carleton	35	681	1,501,878	5,393,404	3,812,609	9,228,247
Charlotte	54	1,768	3,726,507	7,813,154	5,787,732	15,047,270
Gloucester	70	1,971	6,715,056	15,131,856	13,869,352	30,656,645
Kent	20	310	544,546	3,046,455	635,603	3,815,251
Kings	36	454	1,509,821	3,513,671	3,317,650	7,622,180
Madawaska and Restigouche	76	3,181	14,061,825	25,856,288	32,371,064	64,834,936
Northumberland	51	1,089	3,500,918	7,874,460	3,722,380	12,219,013
Queens	20	246	583,663	937,382	760,153	1,869,370
St. John	109	6,600	23,280,522	108,501,002	65,116,811	174,549,666
Sunbury	5	32	68,129	214,894	102,518	297,258
Victoria	32	347	993,958	2,042,019	1,976,726	4,132,707
Westmoreland	127	4,007	12,615,601	31,635,144	19,715,487	52,781,530
York	79	1,665	4,486,233	11,348,616	7,801,301	19,545,006
Totals	730	22,523	74,121,768	224,060,913	160,231,193	398,756,870

TABLE 64. Principal Statistics of the Manufacturing Industries of Canada, by Province and Census Division or County, 1961 — Continued

Census Division or County	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	number			dollars		
Quebec:						
Abitibi and Témiscamingue	213	3,149	11,707,716	121,457,191	29,742,955	156,428,607
Argenteuil	54	3,150	11,933,547	22,613,453	26,086,811	49,388,048
Arthabaska	153	4,235	11,543,908	33,590,798	20,959,348	55,007,777
Bagot	71	1,958	4,674,060	18,383,424	8,615,326	27,200,319
Beauce	168	3,761	9,215,755	21,175,079	18,540,752	40,235,182
Beauharnois	78	5,185	19,657,307	41,558,219	44,158,396	91,278,851
Bellechasse	64	402	959,222	4,969,147	1,736,805	6,752,490
Berthier	92	1,486	3,521,319	9,493,454	6,653,882	16,215,532
Bonaventure	58	406	782,084	2,559,108	1,212,284	3,964,328
Brome	37	455	1,104,264	3,940,374	4,010,764	8,049,417
Chambly	153	7,035	28,911,606	47,056,234	39,597,878	85,785,926
Champlain	212	7,675	28,546,178	77,902,006	63,606,583	146,237,636
Charlevoix Est and Ouest	49	684	2,987,051	7,176,240	7,082,421	15,686,989
Chateauguay	31	612	1,816,153	6,851,546	4,091,975	10,529,134
Chicoutimi	152	9,670	51,793,360	108,999,429	115,496,827	231,701,876
Compton	59	1,398	5,017,381	16,499,530	10,125,918	28,232,478
Deux-Montagnes	57	400	1,018,883	2,871,938	1,732,243	4,723,484
Dorchester	99	642	1,535,955	10,401,891	2,849,150	13,446,518
Drummond	126	6,563	21,230,828	51,737,954	50,665,442	106,276,769
Frontenac	91	1,258	2,745,692	7,030,626	4,649,200	11,990,637
Gaspé-Est and Ouest	95	1,348	4,257,193	30,438,027	8,895,339	39,954,910
Gatineau	40	342	874,487	2,012,930	1,517,134	3,591,544
Hull	70	5,337	24,206,969	49,938,209	47,403,706	106,228,218
Huntingdon	29	766	2,712,557	7,385,860	4,499,148	11,686,296
Iberville	35	319	893,363	1,965,919	1,665,369	3,752,353
Îles-de-la-Madeleine	22	518	642,825	1,767,868	953,294	2,758,511
Jésus Island	93	1,241	3,780,059	7,141,660	8,056,428	15,037,714
Joliette	127	3,184	10,102,726	28,292,282	24,301,304	53,330,037
Kamouraska	72	429	885,738	3,824,096	1,551,327	5,504,521
Labelle	78	644	1,655,219	4,884,937	3,872,816	8,818,579
Lac St. Jean-Est	68	2,300	11,639,106	40,834,480	40,153,446	81,782,411
Lac St. Jean-Ouest	121	1,547	5,715,948	18,512,437	18,830,920	39,448,776
Laprairie	48	1,786	6,885,253	12,974,956	13,842,311	27,281,452
L'Assomption	71	1,853	6,317,912	17,067,832	4,981,489	25,684,432
Lévis	79	3,530	13,146,608	16,722,737	23,651,910	41,031,743
L'Islet	77	918	2,280,672	5,122,976	4,223,438	9,234,347
Lotbinière	106	988	2,301,512	9,325,570	4,899,299	14,631,756
Maskinongé	69	1,637	4,276,546	8,786,318	8,056,822	18,004,489
Matane	48	524	1,558,145	3,490,992	3,424,720	7,027,432
Matapédia	55	327	829,320	2,805,494	1,485,879	4,307,591
Mégantic	110	1,862	6,043,178	10,619,888	10,336,007	20,849,387
Missisquoi	70	3,420	10,879,420	21,561,051	21,549,342	44,378,966
Montcalm	59	429	1,039,577	4,181,169	1,948,776	5,975,624
Montmagny	79	1,694	5,011,832	12,325,585	11,273,881	23,545,581
Montmorency, No. 1	35	730	3,070,523	7,192,992	9,832,333	18,578,630
Montmorency, No. 2	12	180	462,709	953,897	743,222	1,737,655
Montreal Island	4,725	233,500	943,191,323	2,291,760,490	1,769,431,785	4,088,395,692
Napierville	26	424	1,154,099	5,021,359	3,236,963	8,285,495
Nicolet	93	958	2,182,382	10,060,041	3,993,195	14,502,154
Papineau	38	1,854	8,511,585	23,937,882	19,815,729	45,683,343
Pontiac	53	335	972,809	3,061,884	1,508,171	4,597,946
Portneuf	134	3,024	11,768,884	21,544,093	23,476,002	49,279,377
Québec	552	19,170	66,389,405	133,780,807	135,595,893	277,172,152
Richelleu	74	4,348	17,339,438	21,240,895	30,148,004	58,760,983
Richmond	62	3,609	14,187,272	28,083,370	25,178,420	57,068,338
Rimouski	119	1,138	3,264,733	7,993,969	5,893,392	14,162,324
Rivière-du-Loup	84	611	1,581,389	6,032,899	2,936,140	9,095,852
Rouville	88	1,723	4,621,054	23,745,574	8,716,954	32,183,904
Saguenay	61	2,328	12,693,109	34,069,681	33,157,574	70,753,214
Shefford	138	7,429	24,232,805	52,971,022	52,971,022	112,140,795
Sherbrooke	135	8,284	26,913,394	68,040,761	53,666,182	121,533,435
Soulanges and Vaudeuil	75	732	1,784,195	8,491,522	3,184,148	11,716,242
Stanstead	91	4,751	14,285,953	47,154,963	31,916,509	79,686,632
St. Hyacinthe	146	5,264	15,004,847	42,301,954	31,199,310	74,191,524
St. Jean	92	5,229	19,197,752	42,977,402	37,128,430	80,356,747
St. Maurice	165	13,540	59,972,104	112,353,622	135,496,752	267,394,713
Témiscouata	57	515	1,364,054	3,427,187	2,361,700	6,040,972
Terrebonne	229	6,545	21,125,615	48,550,391	40,265,678	90,685,191
Verchères	67	1,722	7,063,640	25,594,720	20,343,334	48,558,765
Wolfe	40	594	1,288,103	3,502,733	2,337,464	6,110,221
Yamaska	37	407	732,857	3,771,715	1,345,494	5,124,821
Totals	11,168	426,009	1,632,974,467	4,020,853,619	3,218,868,865	7,376,775,785
Ontario:						
Algoma	74	9,724	53,238,785	100,066,882	108,958,444	214,243,251
Brant	230	11,082	42,918,582	91,222,119	82,348,868	175,833,699
Bruce	131	2,026	5,802,385	16,935,776	9,200,840	26,485,224
Carleton	274	10,976	45,481,195	76,683,481	89,833,033	167,462,215
Cochrane	74	3,789	18,878,508	39,860,388	49,185,132	93,036,731
Dufferin	34	229	690,666	2,818,687	815,237	4,362,265
Dundas	31	860	2,799,301	15,612,464	8,596,978	23,800,879
Durham	64	2,383	10,057,243	84,117,170	21,399,373	106,276,666
Elgin	106	3,152	11,697,655	57,925,328	31,044,947	78,183,348
Essex	469	26,060	129,121,297	291,932,582	254,453,394	560,290,788
Frontenac	90	5,956	26,856,468	60,968,885	60,524,942	121,695,231
Glengarry	42	589	1,691,817	9,038,769	4,579,621	13,747,695

TABLE 64. Principal Statistics of the Manufacturing Industries of Canada, by Province and Census Division or County, 1961 - Continued

Census Division or County	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	number			dollars		
Ontario - Concluded:						
Grenville	52	2,748	11,802,579	37,328,031	27,081,755	67,783,419
Grey	161	4,411	13,585,079	28,264,379	23,819,831	52,186,040
Haldimand	40	2,072	6,653,011	16,488,477	13,065,016	29,505,572
Haliburton	15	189	575,485	727,502	750,239	1,541,580
Halton	217	11,555	54,678,246	263,259,708	146,009,381	406,019,086
Hastings	195	7,816	28,397,193	48,731,144	60,787,436	113,064,568
Huron	118	1,841	5,882,048	19,746,140	11,101,884	31,282,323
Kenora and Rainy River	77	3,306	16,100,747	39,042,411	35,474,799	79,390,651
Kent	179	6,355	25,415,015	101,987,897	51,738,638	160,535,587
Lambton	130	8,899	48,656,203	263,365,465	168,760,062	448,053,705
Lanark	107	2,698	8,430,904	18,532,386	19,600,734	38,359,268
Leeds	88	3,794	15,346,944	45,020,608	27,246,419	73,625,307
Lennox and Addington	41	1,374	5,912,803	13,579,761	12,834,529	27,621,791
Lincoln	224	13,188	58,312,283	103,897,093	104,028,970	208,695,559
Manitoulin	17	74	161,763	784,865	272,864	1,088,802
Middlesex	382	19,694	79,618,455	158,355,060	175,124,563	328,901,501
Muskoka	63	581	1,841,923	3,928,249	2,788,232	6,858,117
Nipissing	80	2,625	10,403,764	17,019,681	19,945,412	37,813,560
Norfolk	83	2,385	9,304,622	58,125,067	18,497,238	80,595,387
Northumberland	100	2,106	6,972,498	22,143,844	18,320,676	40,775,664
Ontario	205	19,316	94,353,604	381,676,846	210,099,333	589,656,026
Oxford	165	6,630	25,475,568	80,348,038	52,048,703	135,721,439
Parry Sound	65	782	2,787,455	5,702,952	7,121,711	13,130,640
Peel	232	13,536	61,880,493	189,388,281	129,697,963	324,165,261
Perth	147	5,466	18,637,598	57,520,588	38,165,232	97,980,854
Peterborough	128	7,953	37,726,180	55,422,761	61,534,248	118,609,908
Prescott	61	1,125	4,120,311	8,744,789	5,869,509	15,589,683
Prince Edward	54	840	2,655,827	6,755,655	6,935,040	15,121,719
Renfrew	138	4,163	14,314,422	26,221,288	26,402,314	54,793,692
Russell	33	184	453,389	3,849,483	942,365	4,871,462
Simcoe	246	8,200	28,889,282	64,609,735	51,520,349	117,138,965
Stormont	79	5,018	22,207,007	41,473,612	46,604,162	94,098,658
Sudbury	126	11,347	56,186,473	149,959,165	268,649,677	437,819,582
Thunder Bay	152	7,110	34,858,037	86,603,861	80,434,568	178,984,414
Timiskaming	76	1,157	3,909,222	6,758,393	6,269,654	12,912,664
Victoria	74	1,955	6,532,160	11,492,983	12,374,534	23,928,456
Waterloo	538	31,300	121,739,841	263,338,253	232,214,560	504,913,873
Welland	282	22,613	111,908,445	373,882,951	218,377,552	614,065,230
Wellington	222	9,028	33,768,931	76,486,464	67,525,994	148,258,419
Wentworth	634	52,733	259,087,991	541,528,470	563,155,974	1,136,566,690
York	4,769	210,398	912,448,358	1,849,458,841	1,713,296,449	3,578,363,658
Totals	12,414	595,391	2,611,226,061	6,388,733,688	5,457,429,378	12,035,807,772
Manitoba:						
Division No. 1	32	607	1,158,906	4,473,433	2,741,338	7,403,627
Division No. 2	35	519	1,192,506	4,894,347	2,573,057	7,516,404
Division No. 3	29	97	250,048	1,434,106	427,324	1,905,255
Division No. 4	11	138	317,734	1,004,375	551,508	1,566,003
Division No. 5	23	1,001	4,561,420	5,780,277	7,514,817	13,554,511
Division No. 6	23	377	1,299,894	4,816,903	2,574,142	7,434,950
Division No. 7	62	971	3,518,849	12,769,120	6,700,923	19,880,956
Division No. 8	14	86	241,323	1,507,510	609,738	2,165,462
Division No. 9	8	87	241,131	459,816	420,762	954,883
Division No. 10	23	144	382,891	2,028,709	615,935	2,655,012
Division No. 11	10	31	66,383	489,294	128,451	629,690
Division No. 12	30	122	384,143	1,589,141	1,800,239	3,538,029
Division No. 13	10	33	84,753	456,780	150,084	621,598
Division No. 14	15	60	125,288	580,954	265,989	853,247
Division No. 15	37	93	198,466	862,531	391,099	1,299,848
Division No. 16 and 19	68	1,828	8,817,285	25,238,232	38,680,480	69,794,270
Division No. 17	33	146	380,796	1,824,752	847,660	2,733,427
Division No. 18	18	43	92,932	492,336	146,378	658,297
Division No. 20	989	35,574	135,661,073	377,618,784	251,458,666	635,005,585
Totals	1,470	41,957	158,975,821	448,321,402	318,598,590	780,171,054
Saskatchewan:						
Division No. 1	22	197	708,857	1,371,577	955,126	2,588,647
Division No. 2	16	148	575,529	2,365,441	1,050,765	3,464,149
Division No. 3	7	26	72,800	130,896	132,760	272,521
Division No. 4	7	37	109,047	300,899	159,047	419,060
Division No. 5	31	208	604,509	4,241,588	1,199,433	5,579,037
Division No. 6	137	3,904	16,932,052	67,184,615	44,282,299	111,173,702
Division No. 7	52	1,441	5,832,680	35,175,239	13,414,209	48,759,750
Division No. 8	29	252	848,498	2,768,206	1,653,742	4,570,997
Division No. 9	48	452	1,514,056	6,185,576	3,953,039	10,319,316
Division No. 10	17	134	329,577	2,027,091	527,942	2,830,778
Division No. 11	148	3,596	14,674,027	67,593,548	29,718,861	98,992,848
Division No. 12	8	30	80,673	301,472	159,917	469,892
Division No. 13	11	53	160,319	399,013	271,269	687,252
Division No. 14	72	412	987,484	3,909,561	1,751,289	5,780,495
Division No. 16	29	198	601,571	2,769,286	1,136,089	3,927,854
Division No. 17	21	110	362,952	1,066,991	527,583	1,637,918
Division No. 18 and 15	62	1,434	5,859,617	27,428,516	22,525,812	52,088,841
Totals	715	12,632	50,234,248	225,219,515	123,419,182	353,363,055

TABLE 64. Principal Statistics of the Manufacturing Industries of Canada, by Province and Census Division or County, 1961 - Concluded

Census Division or County	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	number			dollars		
Alberta:						
Division No. 1	50	1,996	7,808,946	22,535,535	18,923,608	41,508,918
Division No. 2	95	2,181	7,958,016	38,306,089	17,922,233	57,824,147
Division No. 3	32	382	991,695	2,954,859	1,958,321	4,688,332
Division No. 4	7	26	81,207	262,057	154,070	425,140
Division No. 5	28	155	506,313	874,711	876,536	1,763,412
Division No. 6	426	12,046	51,909,536	182,712,426	100,302,129	285,806,551
Division No. 7	32	212	838,904	3,445,385	2,240,341	5,900,502
Division No. 8	103	836	2,692,104	13,192,177	7,447,139	21,238,644
Division No. 9	27	419	1,694,557	1,766,840	3,891,904	6,460,887
Division No. 10	66	740	2,830,059	18,222,807	9,764,460	30,148,396
Division No. 11	524	17,147	73,648,213	269,122,944	163,359,046	440,521,714
Division No. 12	25	118	276,318	1,849,445	488,703	2,381,916
Division No. 13	63	438	1,093,589	5,018,621	1,913,925	7,069,794
Division No. 14 and 15	149	1,997	7,073,357	18,410,063	19,935,739	40,320,871
Totals	1,627	38,693	159,402,814	578,673,959	349,178,134	946,059,224
British Columbia:						
Division No. 1	88	1,649	6,598,724	13,106,459	9,564,142	23,022,965
Division No. 2	131	6,246	29,106,158	83,128,741	54,169,512	138,897,595
Division No. 3	248	3,556	12,545,510	26,736,563	21,095,080	49,264,836
Division No. 4	1,938	55,370	251,323,031	626,855,625	442,054,923	1,081,610,889
Division No. 5	382	14,163	67,559,532	141,971,133	162,558,218	318,258,674
Division No. 6	225	3,136	11,859,981	30,889,019	21,484,096	53,545,331
Division No. 7	23	3,402	19,275,003	34,138,610	61,167,667	98,191,825
Division No. 8	474	5,915	21,292,443	48,785,821	34,858,861	86,072,860
Division No. 9	58	4,228	20,787,736	62,022,714	56,266,019	119,423,151
Division No. 10	83	679	2,702,338	6,962,524	5,079,479	13,323,891
Totals	3,630	98,344	443,050,456	1,074,577,009	868,296,197	1,981,612,017
Yukon and Northwest Territories:						
Totals	13	138	681,246	2,600,056	707,998	3,434,135

TABLE 65. Principal Statistics of Manufacturing Industries of Cities and Towns with Selling Value of Factory Shipments of \$1,000,000 and Over, and with Three or More Establishments, 1961

Note: Statistics for cities and towns with three or more establishments cannot be published when one establishment has 75 per cent or two establishments 90 per cent of the total value of shipments.

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	number			dollars		
Newfoundland:						
Harbour Grace	6	244	489,643	1,197,723	784,292	1,943,285
St. John's	72	2,423	7,736,948	13,200,995	15,682,720	29,606,976
Prince Edward Island:						
Charlottetown	31	670	2,214,912	10,868,298	4,454,658	15,647,978
Summerside	19	280	723,281	3,396,696	1,764,188	5,348,850
Nova Scotia:						
Amherst	26	966	3,210,139	4,714,631	5,639,940	10,648,033
Antigonish	8	79	260,926	815,088	542,653	1,394,020
Berwick	10	395	992,210	4,045,861	2,005,004	6,147,123
Bridgetown	6	103	294,752	1,026,332	648,622	1,752,916
Bridgewater	14	180	477,336	1,133,976	508,078	1,847,150
Dartmouth	21	741	2,829,298	2,125,634	5,303,276	7,582,782
Glace Bay	18	228	506,458	1,062,197	836,432	1,965,129
Halifax	95	5,141	16,792,384	32,341,798	32,893,039	66,607,441
Kentville	9	194	537,430	1,232,980	1,052,031	2,209,854
Lockeport	3	252	473,903	1,110,406	653,826	1,753,682
Lunenburg	15	680	1,975,721	4,710,005	3,207,092	8,154,300
Middleton	4	84	201,270	890,430	293,017	1,229,162
New Glasgow	25	489	1,543,749	3,102,143	2,984,254	6,575,608
North Sydney	11	213	704,169	1,943,432	1,048,641	2,990,359
Pictou	10	394	1,307,980	1,801,401	1,317,131	3,464,703
Shelburne	11	168	409,317	1,148,686	698,502	1,834,903
Stellarton	10	188	344,501	772,096	492,235	1,302,999
Trenton	9	739	2,834,153	5,687,926	4,185,952	10,385,224
Truro	31	1,229	3,009,935	7,327,223	6,044,316	13,488,692
Windsor	8	272	652,072	1,875,121	966,618	2,831,954
Yarmouth	27	924	2,143,704	5,742,687	4,952,460	10,889,547

TABLE 65. Principal Statistics of Manufacturing Industries of Cities and Towns with Selling Value of Factory Shipments of \$1,000,000 and Over, and with Three or More Establishments, 1961 - Continued

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	number			dollars		
New Brunswick:						
Campbellton	13	158	467,950	1,238,340	916,993	2,228,328
Fredericton	35	928	2,776,457	6,161,508	4,752,323	11,139,796
Grand Falls	13	103	275,762	574,685	582,312	1,157,327
Lancaster	7	1,106	4,610,781	17,307,437	16,248,888	35,070,608
Moncton	60	2,590	9,264,664	24,672,063	13,974,410	39,306,935
Newcastle	10	524	2,163,133	5,101,915	1,302,136	6,887,226
Saint John	84	3,552	12,807,972	85,796,891	40,273,311	125,528,393
Saint Stephen	14	419	990,391	1,868,297	1,643,842	3,585,158
Shippegan	5	289	424,336	1,146,870	888,251	1,922,226
Sussex	12	218	662,765	2,207,758	1,055,991	3,318,749
Woodstock	9	114	253,963	1,212,690	535,117	1,791,455
Quebec:						
Acton Vale	12	1,362	3,345,251	8,957,329	6,079,138	15,213,908
Alma	13	79	252,520	455,495	637,622	1,118,536
Amos	15	108	279,680	1,002,906	544,617	1,605,859
Amqui	15	165	495,447	1,249,681	857,022	2,145,496
Arthabaska	11	246	473,975	513,390	699,293	1,245,719
Ayer's Cliff	6	99	180,892	945,485	411,494	1,345,975
Bagotville	8	55	191,510	784,115	297,930	1,093,382
Beauceville	12	192	501,475	958,169	791,656	1,734,680
Beauharnois	15	1,377	6,071,395	12,060,113	14,190,656	29,002,499
Beauport	10	325	999,205	2,376,087	1,650,656	4,136,733
Bedford	12	635	2,091,905	1,920,402	4,452,720	6,460,215
Beebe Plain	7	181	412,289	753,163	602,201	1,425,090
Beloil	11	111	337,905	452,496	581,151	1,067,533
Berthierville	16	594	1,677,308	3,389,393	3,534,764	6,747,771
Cap-de-la-Madeleine	44	2,747	9,325,107	31,515,551	23,170,968	55,732,352
Charlesbourg	17	125	352,811	990,180	490,090	1,492,817
Chicoutimi	39	574	1,756,252	5,169,656	3,142,273	8,456,300
Chomedey	19	255	845,484	1,949,724	1,590,707	3,445,395
Coaticook	17	1,070	2,913,823	4,420,130	4,596,961	9,348,578
Cookshire	7	188	535,674	1,071,531	900,567	2,040,890
Daveluyville	11	232	663,497	1,052,740	1,162,346	2,242,841
Disraeli	10	163	339,235	851,748	663,900	1,543,659
Dorion	14	298	686,924	1,181,388	1,061,766	2,202,901
Dorval	16	514	2,550,515	3,281,836	5,793,213	8,962,149
Drummondville	69	8,163	20,130,023	38,932,753	47,227,759	89,764,736
Farnham	20	1,008	3,187,976	6,041,615	6,118,945	12,598,741
Fort Chambly	8	514	1,728,495	2,915,068	2,881,384	5,899,928
Giffard	16	633	1,729,149	2,787,930	3,261,986	6,077,738
Granby	80	6,058	20,352,149	47,145,600	45,688,014	94,004,506
Grand-Mère	30	2,116	8,190,077	12,668,806	15,863,076	29,968,886
Greenfield Park	6	106	420,259	636,049	1,225,038	1,863,984
Hull	51	2,776	11,805,666	29,031,480	18,118,715	50,171,460
Huntingdon	13	686	2,518,380	8,996,979	4,232,790	11,016,307
Iberville	20	251	759,210	1,241,122	1,434,706	2,767,764
Jacques Cartier	28	3,619	17,542,559	27,313,185	21,019,441	46,903,919
Joliette	56	2,262	7,206,015	16,611,359	15,884,421	32,625,524
Jonquière	16	544	2,285,663	3,921,609	4,205,673	8,264,546
Lachine	78	11,774	55,689,408	88,342,756	94,306,467	182,262,761
Lachute	25	680	2,228,540	5,494,472	3,479,896	9,421,714
La Malbaie	10	114	256,488	1,702,892	595,061	2,324,055
La Pêrade	11	137	320,853	738,987	454,450	1,217,123
La Petite Rivière	5	164	431,064	525,645	906,392	1,487,466
La Prairie	18	463	1,550,875	2,818,909	2,806,191	5,635,832
La Providence	9	76	216,632	1,560,508	460,916	2,037,152
LaSalle	57	5,227	23,866,930	81,302,671	88,282,979	170,746,640
Laurentides	6	56	130,767	283,227	811,671	1,112,032
Laurier Station	3	94	269,818	541,338	878,818	1,274,557
Laurierville	8	252	511,477	485,580	676,528	1,132,555
Laval-des-Rapides	20	219	536,889	625,083	1,194,323	1,808,465
Lennoxville	8	329	1,190,726	3,117,074	2,540,412	5,709,768
L'Épiphanie	12	193	609,283	1,768,174	1,313,800	3,105,672
Lévis	23	508	1,293,963	1,927,379	2,112,008	4,100,803
Longueuil	38	1,333	4,416,408	6,391,546	5,662,932	12,157,935
Loretteville	25	532	1,334,533	2,230,826	2,050,336	4,295,554
Louiseville	20	1,063	3,000,414	4,969,243	6,169,126	12,123,808
Maniwaki	17	279	757,034	1,295,557	1,274,713	2,650,562
Mariville	19	705	1,964,066	8,729,584	4,169,733	12,940,958
Matane	18	205	577,444	1,323,646	1,148,679	2,524,556
Mégantic	22	574	1,348,725	2,452,891	2,406,778	5,041,580
Mont-Joli	17	278	793,672	2,213,061	1,654,484	3,860,516
Mont-Laurier	24	321	844,031	1,873,655	2,234,712	4,115,123
Mont-Royal	65	6,543	29,288,029	89,293,891	76,144,886	166,397,992
Montmagny	38	1,312	4,173,685	9,421,973	9,776,893	19,083,116
Montréal	3,802	165,385	632,333,473	1,209,756,397	1,087,201,434	2,314,989,772
Montréal East	38	6,538	33,214,274	476,245,771	115,221,415	597,347,675
Montréal North	100	1,714	6,507,748	12,765,866	10,953,562	23,988,872
Nicolet	17	342	908,337	3,059,533	1,648,686	4,960,856
Outremont	90	3,079	10,868,218	26,351,834	21,640,646	47,920,504
Plessisville	26	954	3,684,370	6,692,238	8,197,577	12,651,332
Pointe-Claire	14	786	3,733,043	9,448,576	14,037,037	22,853,782
Pont-Viau	19	339	1,040,502	1,971,803	2,256,617	4,256,025

TABLE 65. Principal Statistics of Manufacturing Industries of Cities and Towns with Selling Value of Factory Shipments of \$1,000,000 and Over, and with Three or More Establishments, 1961 - Continued

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	number				dollars	
Quebec - Concluded:						
Princeville	14	516	1,584,219	7,486,373	3,859,001	11,014,118
Quebec	380	14,122	51,254,095	106,395,680	107,760,905	220,653,543
Quebec West	20	562	1,615,357	2,988,659	2,555,267	5,627,000
Richelieu	7	137	381,291	832,533	677,881	1,558,641
Richmond	12	775	2,144,178	5,041,430	3,890,464	8,923,417
Rimouski	36	433	1,449,348	2,832,478	2,546,772	5,584,325
Rivière-des-Prairies	16	545	2,209,590	4,711,401	4,610,045	9,335,655
Rivière-du-Loup	21	170	422,414	939,169	746,953	1,663,426
Rougemont	7	79	172,865	824,907	463,167	1,138,722
Rouyn	24	191	679,425	1,581,071	1,451,828	3,079,067
St-Casimir	12	308	953,748	1,829,807	1,071,918	2,901,237
St-Césaire	22	372	884,360	2,340,393	1,360,379	3,755,977
St-Charles (de Bellechasse)	6	82	250,789	1,044,720	414,945	1,463,467
St-Croix	6	231	607,152	1,049,909	921,696	2,056,862
St-Émile	9	431	1,154,542	2,023,197	1,712,118	3,728,977
St-Eustache	20	172	521,189	1,342,140	957,263	2,366,737
St-Félicien	17	227	655,431	1,969,114	1,604,088	3,639,152
St-Félix-de-Valois	15	175	400,769	4,408,612	843,384	5,288,444
St-Foy	13	229	763,382	1,940,266	1,653,478	3,692,372
St-Gabriel-de-Brandon	16	391	855,743	1,446,939	1,283,737	2,760,073
St-Georges (Beauce)	12	425	1,059,633	1,518,571	1,528,669	3,080,610
St-Hyacinthe	88	4,311	12,399,076	31,636,208	27,025,871	59,178,165
St-Jacques	11	176	443,141	2,103,141	908,590	2,808,068
St-Jean	80	5,008	18,530,562	41,118,206	35,458,543	76,666,884
St-Jérôme, St-Jean Co.	9	110	371,248	820,661	526,998	1,384,591
St-Jérôme, Terrebonne	68	3,450	11,185,735	22,667,767	20,264,278	44,013,096
St-Joseph de Beauce	9	148	311,506	520,035	515,602	1,061,310
St-Lambert	26	928	3,160,661	6,365,048	5,260,456	11,897,757
St-Laurent	119	18,546	90,317,289	145,008,215	149,675,372	293,965,681
St-Léonard-d'Aston	9	143	258,395	924,073	451,030	1,392,611
St-Marc-des-Carrières	8	138	458,082	261,857	829,822	1,087,300
St-Marie	21	1,085	3,285,929	8,230,555	8,870,667	17,383,687
St-Michel (de Laval)	139	3,006	10,673,662	25,630,926	24,562,171	51,507,403
St-Pie	17	267	640,400	2,247,015	1,213,398	3,456,360
St-Raymond	12	216	559,951	949,779	906,336	2,037,525
St-Rémi	17	342	1,004,870	4,502,499	2,889,038	7,406,777
St-Rose	8	98	335,084	532,704	677,812	1,175,562
St-Thérèse	32	1,309	4,401,348	11,573,630	9,042,813	20,966,470
St-Tite	20	460	1,115,103	2,053,478	1,749,240	3,832,877
Sept-Îles	18	118	424,885	610,809	948,133	1,604,040
Shawinigan	45	5,522	27,391,775	52,330,865	66,822,157	127,998,142
Shawinigan S.	9	82	257,318	1,192,956	675,603	1,878,800
Sherbrooke	118	7,875	25,479,356	63,249,729	50,540,719	113,570,731
Sutton	12	242	533,915	1,998,079	897,674	2,936,565
Terrebonne	20	621	1,892,619	3,513,828	3,244,596	6,891,079
Thetford Mines	34	373	1,235,725	1,644,033	2,503,718	4,268,274
Three Rivers	82	7,837	32,162,609	58,035,591	67,927,664	136,614,767
Thurso	6	326	1,251,908	1,806,007	1,354,856	3,246,771
Trois-Pistoles	6	192	513,179	2,050,083	1,095,618	3,182,122
Upton	8	77	136,625	1,161,565	272,367	1,386,301
Val d'Or	15	149	429,927	900,617	870,919	1,615,182
Valleyfield	48	3,086	10,490,525	25,684,604	26,342,947	53,190,873
Verdun	71	1,842	5,898,078	8,601,309	10,239,779	19,121,954
Victoriaville	56	2,429	6,911,648	13,965,594	11,669,825	25,858,985
Warwick	12	325	794,835	2,217,312	1,728,841	4,000,975
Waterloo	16	777	2,144,406	3,330,355	3,236,095	6,761,940
Weedon Centre	9	207	395,842	1,552,658	508,968	2,144,137
Westmount	36	1,816	7,970,314	11,571,505	17,248,528	28,935,327
Ontario:						
Acton	18	970	3,567,936	8,207,290	6,809,132	15,119,521
Ajax	37	1,785	6,928,741	16,187,525	13,391,037	30,092,882
Alliston	12	308	862,015	2,937,562	2,843,321	5,672,527
Almonte	11	244	744,182	3,986,036	2,526,790	6,501,382
Arnprior	16	773	2,924,270	4,305,277	7,057,129	11,350,873
Arthur	6	41	118,037	1,130,439	161,739	1,339,730
Aurora	17	1,120	4,143,611	12,684,872	12,449,947	25,260,018
Barrie	44	2,250	8,966,790	24,606,781	19,049,795	44,119,332
Beamsville	9	144	398,187	786,589	579,098	1,410,194
Belleville	59	3,425	14,225,896	19,903,855	28,652,176	50,306,376
Blyth	6	60	203,916	1,859,948	474,674	2,378,377
Brampton	59	2,833	11,551,741	26,554,103	25,900,407	50,340,483
Brantford	165	9,484	37,557,991	80,233,507	73,418,641	155,614,156
Brighton	11	151	463,482	1,496,931	1,025,426	2,568,554
Brockville	38	2,806	11,580,785	36,430,688	20,534,766	58,040,307
Burlington	61	2,283	8,935,531	21,718,118	17,911,073	39,690,398
Campbellford	20	319	969,059	2,571,512	1,767,150	4,390,275
Chatham	72	3,263	14,320,903	79,076,498	31,048,709	116,752,904
Chesley	10	206	606,787	586,680	803,710	1,381,316
Clinton	11	195	558,263	2,186,405	747,577	3,041,335
Cobourg	28	1,282	4,653,226	13,710,054	13,857,859	27,564,910
Cornwall	54	4,863	21,756,555	37,531,746	45,883,845	89,370,816
Dundas	38	1,077	4,269,176	5,758,843	6,445,375	13,095,323
Dunnville	13	1,323	3,522,455	7,527,565	5,604,961	13,267,552

TABLE 65. Principal Statistics of Manufacturing Industries of Cities and Towns with Selling Value of Factory Shipments of \$1,000,000 and Over, and with Three or More Establishments, 1961—Continued

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	number				dollars	
Ontario—Continued:						
Eastview	20	379	1,629,943	6,285,842	2,991,551	9,367,045
Elmira	19	754	2,949,424	8,714,810	6,469,022	15,432,505
Essex	11	243	825,239	2,439,098	1,819,757	4,279,018
Exeter	8	184	521,683	1,701,245	1,230,325	2,989,264
Forest	9	135	338,226	1,125,775	564,237	1,763,232
Fort Erie	27	1,044	4,966,645	8,084,803	9,972,723	18,099,420
Fort William	60	2,848	13,580,115	33,990,594	28,940,943	67,997,445
Galt	96	6,690	26,126,357	48,754,955	48,402,436	100,288,322
Gananoque	14	786	3,222,745	5,848,854	5,895,452	11,750,673
Georgetown	27	1,373	5,759,480	11,824,003	9,809,925	22,100,937
Goderich	17	432	1,656,686	5,142,808	2,866,917	8,196,843
Gravenhurst	8	254	907,713	1,793,387	1,353,104	3,139,962
Grimby	16	322	1,078,272	2,007,443	1,909,518	3,815,978
Guelph	114	6,667	26,006,121	55,475,767	51,600,032	110,121,046
Hamilton	513	49,886	248,228,632	519,077,145	542,276,542	1,092,499,436
Hanover	20	961	2,959,865	6,556,833	4,279,990	10,792,170
Hespeler	17	1,270	4,473,473	11,463,682	8,403,408	20,035,854
Huntsville	13	150	505,417	1,293,808	885,890	2,271,646
Ingersoll	23	926	3,533,279	15,896,383	7,774,414	23,708,107
Kemptville	9	114	376,904	2,221,699	1,014,075	3,309,127
Kincardine	11	291	854,762	1,503,768	1,307,965	2,943,960
Kingston	66	4,495	19,887,180	40,713,761	25,930,319	66,062,487
Kitchener	191	15,091	60,586,814	131,239,912	99,194,276	235,454,119
Leaside	51	6,599	29,753,955	60,259,912	48,608,607	108,014,345
Lindsay	37	1,665	5,802,747	10,083,984	11,236,464	21,285,983
London	282	16,852	68,286,888	131,367,249	148,104,694	274,893,623
Long Branch	25	864	3,508,233	9,016,292	9,209,490	17,819,570
Markdale	5	130	291,230	805,242	417,601	1,239,313
Markham	13	254	618,883	1,852,801	2,545,084	4,513,321
Meaford	18	586	1,591,499	2,887,206	3,117,257	6,160,751
Midland	26	1,283	4,229,950	11,889,853	7,049,402	18,835,079
Mildmay	6	53	131,195	726,241	297,510	1,029,610
Milton	17	691	3,059,955	5,374,425	5,539,535	11,186,321
Milverton	9	159	483,473	887,258	520,515	1,509,949
Mimico	38	1,265	4,829,436	10,871,307	9,712,341	20,585,228
Mount Forest	13	288	674,097	2,199,306	1,066,614	3,396,213
Napanee	18	430	1,584,021	4,424,784	2,509,289	6,989,229
Newcastle	4	184	458,283	529,694	871,795	1,236,002
New Liskeard	15	440	1,604,662	2,712,192	2,488,961	5,196,980
Newmarket	19	1,009	3,475,726	6,900,947	6,760,173	14,033,049
New Toronto	30	6,063	32,728,289	87,525,663	77,558,091	167,982,440
Niagara	9	89	278,221	464,090	526,644	1,026,335
Niagara Falls	74	3,972	17,961,257	30,152,442	35,450,592	68,699,892
North Bay	32	649	2,529,421	4,089,873	4,084,609	8,459,255
Orangeville	16	156	502,387	1,740,560	547,001	2,995,202
Orillia	54	2,106	7,592,193	10,247,610	12,254,063	22,891,521
Ottawa	218	9,091	37,024,549	59,511,842	75,847,122	137,330,140
Owen Sound	43	2,063	6,925,599	10,641,642	12,547,655	23,285,587
Paris	26	1,061	3,271,048	5,930,852	5,301,073	11,639,030
Pembroke	25	1,348	4,671,786	8,367,551	9,161,451	17,663,480
Penetanguishene	10	418	1,396,808	2,424,308	1,530,436	4,175,234
Perth	25	877	2,525,574	5,336,486	5,338,692	10,704,348
Peterborough	81	7,709	36,925,419	52,942,138	59,964,978	114,497,683
Petrolia	15	195	674,390	2,161,250	1,075,139	3,281,837
Port Arthur	54	2,222	10,429,689	22,469,600	23,403,193	48,209,926
Port Dover	8	246	674,829	4,252,728	1,382,379	5,705,631
Port Elgin	7	153	360,905	495,921	531,362	1,016,977
Port Perry	10	93	202,895	866,573	347,716	1,238,563
Preston	45	2,228	8,560,655	16,297,217	14,492,472	31,070,396
Renfrew	27	903	3,027,899	5,726,017	3,813,836	9,853,648
Richmond Hill	30	409	1,613,197	4,890,817	3,068,719	8,034,674
Ridgetown	13	271	840,981	2,309,916	1,869,665	4,206,530
Riverside	8	146	581,678	1,776,172	1,020,777	2,831,034
St. Catharines	152	11,785	54,084,721	91,761,462	96,023,706	188,721,490
St. Mary's	13	701	2,872,491	9,332,889	8,327,049	19,647,125
St. Thomas	57	2,272	8,724,886	16,395,540	16,323,791	32,495,616
Samia	53	6,800	38,953,849	204,758,828	132,598,395	352,170,970
Seaford	12	275	745,903	2,022,704	1,080,463	3,140,119
Simcoe	31	1,423	8,086,683	27,960,806	14,288,497	46,008,212
Smiths Falls	27	777	2,781,655	4,419,965	7,751,736	12,186,370
Southampton	8	285	857,257	1,593,074	1,061,067	2,661,835
Stayner	7	49	149,543	658,716	385,606	1,066,158
Stoney Creek	14	137	515,993	789,762	734,200	1,587,903
Stouffville	7	104	370,516	537,080	482,143	1,051,290
Stratford	67	3,278	11,261,701	27,846,313	21,573,682	49,704,141
Strathroy	23	709	2,391,916	4,721,078	5,234,861	9,905,770
Streetsville	17	646	2,712,070	5,184,892	5,165,375	10,939,860
Sutton	5	63	182,385	689,826	289,019	1,013,021
Swansea	19	1,276	6,102,485	10,733,060	10,018,859	20,449,456
Tavistock	8	96	268,195	896,810	464,155	1,393,845
Thamesville	9	117	434,208	2,487,375	171,982	3,002,220
Thorold	20	1,461	8,799,981	12,549,153	11,987,227	26,782,314
Tillsonburg	25	984	3,380,236	11,187,179	5,402,631	17,100,866
Timmins	25	369	1,108,641	2,180,883	2,525,508	4,820,355
Toronto	2,765	116,043	498,275,086	1,010,974,767	847,316,032	1,873,844,843
Trenton	30	1,865	5,596,132	12,800,433	13,552,424	27,478,577
Uxbridge	14	209	678,129	2,448,715	1,359,394	3,918,794

TABLE 65. Principal Statistics of Manufacturing Industries of Cities and Towns with Selling Value of Factory Shipments of \$1,000,000 and Over, and with Three or More Establishments, 1961 - Concluded

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	number			dollars		
Ontario - Concluded:						
Walkerton	15	618	1,835,612	4,224,167	3,000,611	7,236,849
Wallaceburg	31	1,655	6,567,319	8,424,634	11,873,326	19,748,205
Waterford	7	160	384,214	987,556	916,152	1,690,616
Waterloo	67	3,688	13,901,627	25,061,646	43,193,559	68,131,308
Welland	53	3,966	17,000,980	50,297,911	35,792,813	89,660,933
Wellington	4	95	130,871	494,054	542,131	1,085,493
Weston	73	2,754	11,622,961	20,172,442	21,092,674	41,418,386
Wheatley	7	171	463,775	655,696	776,602	1,459,574
Windsor	282	20,351	105,820,857	222,681,753	187,560,159	417,752,351
Wingham	17	390	1,200,057	2,826,967	2,528,787	5,266,702
Woodbridge	10	124	463,339	1,354,465	1,278,935	2,710,717
Woodstock	56	3,842	15,543,594	43,267,733	31,413,730	76,607,894
Manitoba:						
Brandon	39	653	2,440,929	8,261,545	3,823,445	12,471,341
Dauphin	14	104	299,925	1,343,433	876,507	2,069,118
East Kildonan	22	522	1,748,173	4,798,670	4,107,488	8,960,403
Morden	11	289	536,704	1,278,525	1,115,901	2,456,005
Neepawa	10	77	211,519	1,127,526	287,149	1,453,205
St. Boniface	83	4,699	20,322,818	135,629,042	35,706,031	171,670,975
St. James	69	2,838	10,818,017	21,635,789	21,521,223	42,983,135
Steinbach	9	240	540,458	891,378	1,221,572	2,171,826
Winnipeg	736	23,694	86,394,635	170,087,223	153,950,695	326,881,838
Saskatchewan:						
Melville	11	113	338,646	2,550,127	739,549	3,382,725
Moose Jaw	47	1,432	5,808,285	35,167,374	13,385,566	46,720,692
North Battleford	13	119	394,977	1,225,252	793,846	2,073,312
Prince Albert	26	841	3,420,721	14,322,847	8,659,379	23,185,429
Regina	124	3,521	15,116,033	59,954,288	40,241,560	100,631,753
Saskatoon	134	3,461	14,234,301	66,548,310	29,116,273	97,171,036
Swift Current	21	235	813,270	2,736,983	1,596,300	4,475,470
Yorkton	22	274	949,893	3,389,262	2,573,078	6,070,559
Alberta:						
Brooks	6	53	157,639	680,775	334,825	1,028,447
Calgary	367	9,717	41,927,548	166,941,388	84,923,903	253,181,804
Edmonton	420	12,928	51,724,636	172,936,964	101,626,172	276,174,133
Grande Prairie	17	368	1,210,558	2,145,188	1,914,872	4,217,372
Jasper Place	12	125	418,108	502,416	622,719	1,165,408
Lethbridge	64	1,413	5,309,118	24,994,715	14,070,476	39,314,323
Medicine Hat	42	1,226	4,901,707	19,404,840	14,088,259	33,522,382
Red Deer	31	434	1,451,462	5,910,595	4,152,431	10,356,195
Rocky Mountain House	8	51	157,242	1,077,404	277,770	1,373,725
British Columbia:						
Ahbotsford	8	88	385,532	439,045	625,177	1,104,716
Armstrong	8	133	499,755	1,812,083	758,884	2,818,866
Chilliwack	22	391	1,207,419	3,484,887	1,869,941	5,592,604
Courtenay	12	75	285,640	803,797	492,784	1,322,821
Creston	10	175	637,002	1,044,615	1,801,979	2,958,194
Dawson Creek	18	138	504,460	1,082,273	1,529,061	3,354,643
Kamloops	25	317	1,234,093	2,389,501	2,072,018	4,618,477
Kelowna	31	911	3,565,083	6,725,963	5,541,699	12,800,167
Merritt	7	285	1,129,397	2,173,014	1,499,618	3,683,489
Mission City	14	178	765,413	1,607,146	1,865,288	3,462,988
Nanaimo	26	361	1,703,024	2,543,445	3,569,124	6,324,151
Nelson	22	217	718,016	1,279,457	1,168,883	2,521,344
New Westminster	97	5,328	24,440,919	53,579,335	46,200,714	101,383,744
North Vancouver	71	2,025	9,994,933	14,256,603	20,760,741	36,562,451
Oliver	6	93	316,375	808,547	609,398	1,430,576
Penticton	30	367	1,307,663	2,070,656	1,803,301	3,906,828
Port Coquitlam	12	206	991,453	1,326,467	1,845,236	3,036,630
Port Moody	7	674	3,460,424	20,232,405	7,827,580	28,652,902
Prince George	47	817	3,179,280	6,303,663	5,327,833	13,915,925
Prince Rupert	19	275	1,093,080	2,891,345	1,869,111	4,837,789
Quesnel	19	99	311,550	879,886	468,266	1,194,726
Terrace	6	134	602,583	718,018	829,941	1,380,373
Trail	16	169	579,098	714,407	916,888	1,662,651
Vancouver	1,143	30,989	141,169,361	277,891,062	226,443,221	509,665,553
Vernon	28	482	1,606,461	4,387,071	3,659,673	8,035,932
Victoria	158	3,884	18,832,357	26,821,315	26,523,181	54,442,123

TABLE 66. Number of Cities and Towns with Selling Value of Factory Shipments of \$1,000,000 and Over, Number of Establishments and Total Shipments in these Centres as a Percentage of the Provincial Total, by Province, 1961

Note: Statistics published in this table are in some cases higher than the figures published in Table 65, since in the table below are included towns with shipments of over \$1,000,000 for which statistics must be withheld. It is not possible to publish this information in Table 65 without disclosing the operations of individual establishments.

Province	Number of urban centres with selling value of factory shipments of over \$1,000,000	Number of establishments reporting in urban centres with selling value of factory shipments of over \$1,000,000	Selling value of factory shipments of urban centres having \$1,000,000 or over	Selling value of factory shipments of each province	Selling value of factory shipments of urban centres as a percentage of shipments in each province
	number		dollars		
Newfoundland	8	105	118,870,768	137,283,824	86.6
Prince Edward Island	3	53	22,205,219	30,633,999	72.5
Nova Scotia	26	423	235,183,228	379,070,915	62.0
New Brunswick	18	308	321,149,623	398,756,870	80.5
Quebec	210	8,069	6,953,273,773	7,376,775,785	94.3
Ontario	194	8,409	9,608,275,429	12,035,807,772	79.8
Manitoba	14	1,025	609,269,129	780,171,054	78.1
Saskatchewan	12	423	290,565,394	353,363,055	82.2
Alberta	20	1,031	665,767,421	946,059,224	70.4
British Columbia	31	1,903	898,974,726	1,961,612,017	45.4
Yukon and Northwest Territories	—	—	—	3,434,135	—
Canada — 1961	536	21,749	19,723,514,710	24,422,968,650	80.8
1960	531	22,862	19,258,567,314	23,747,457,083	81.1
1958	475	22,236	19,085,989,783	23,311,601,481	81.9
1956	503	22,808	17,603,972,221	22,163,186,308	79.4
1957	499	23,542	17,886,715,270	22,183,594,311	80.6
1956	498	23,289	17,262,050,120	21,836,748,986	79.8
1955	482	23,618	15,704,708,812	19,513,933,611	80.5
1954	472	23,869	15,045,342,071	17,554,527,504	85.8

TABLE 67. Principal Statistics of the Manufacturing Industries of the Six Leading Manufacturing Cities of Canada, Selected Years, 1939 - 61

City and year	Estab-lish-ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments ¹
	number		dollars			
Montreal:						
1939	2,501	105,315	114,602,118	254,188,246	..	483,246,583
1944	3,109	185,708	308,396,358	650,618,563	..	1,215,988,014
1949	4,136	184,779	399,943,526	847,444,669	..	1,596,713,694
1955	4,379	176,996	529,339,811	1,021,717,306	..	1,963,367,235
1956	4,289	182,759	582,256,675	1,175,253,762	..	2,207,686,246
1957	4,268	183,996	611,657,486	1,214,443,559	..	2,286,258,169
1958	3,943	173,582	601,773,312	1,198,525,280	1,039,159,993	2,265,810,124
1959	3,951	173,279	626,970,086	1,231,974,393	1,086,276,852	2,334,129,536
1960	3,996	171,621	643,387,247	1,224,513,359	1,118,350,304	2,349,783,042
1961	3,802	165,385	632,333,473	1,209,756,397	1,087,201,434	2,314,989,772

See footnote at end of table.

TABLE 67. Principal Statistics of the Manufacturing Industries of the Six Leading Manufacturing Cities of Canada, Selected Years, 1939-61 — Concluded

City and Year	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments ¹
	number			dollars		
Toronto:						
1939	2,885	98,702	122,553,435	240,532,281	..	482,532,331
1944	3,344	154,538	260,776,613	513,429,109	..	1,020,345,353
1949	4,005	158,562	368,510,524	837,148,440	..	1,579,186,450
1955	3,497	134,235	448,775,761	916,493,539	..	1,732,099,123
1956	3,411	133,758	470,860,187	962,271,402	..	1,797,706,145
1957	3,312	132,356	482,758,834	961,000,335	..	1,832,080,726
1958	2,985	123,789	479,767,394	970,815,693	828,472,850	1,816,970,306
1959	2,890	123,963	503,765,998	1,008,784,582	852,074,583	1,867,389,948
1960	2,971	120,235	506,872,752	999,132,859	851,461,939	1,872,972,293
1961	2,765	116,043	498,275,066	1,010,974,767	847,316,032	1,873,844,843
Hamilton:						
1939	461	31,512	39,563,423	70,829,034	..	152,746,340
1944	480	53,500	94,982,915	171,117,467	..	363,033,672
1949	546	54,665	137,641,333	285,180,403	..	563,982,920
1955	568	55,202	200,311,361	395,047,070	..	844,835,085
1956	585	58,742	232,166,085	498,410,570	..	987,728,987
1957	562	57,095	237,883,530	502,608,132	..	1,031,430,829
1958	526	50,269	219,874,661	433,107,263	469,562,377	926,577,799
1959	506	52,820	244,629,848	524,165,589	556,389,853	1,088,875,035
1960	534	50,850	243,415,160	494,976,608	516,552,881	1,031,197,944
1961	513	49,886	248,228,632	519,077,145	542,276,542	1,092,499,436
Windsor:						
1939	222	17,729	25,938,890	63,907,106	..	122,474,320
1944	231	35,912	80,667,573	232,102,240	..	387,603,874
1949	283	34,591	94,304,627	271,392,923	..	494,182,203
1955	334	25,654	101,810,378	186,275,443	..	374,512,418
1956	336	24,091	96,798,387	186,300,126	..	369,790,090
1957	318	29,377	122,169,670	290,073,160	..	533,531,623
1958	294	22,295	103,237,036	219,764,980	184,205,919	418,685,523
1959	280	23,355	115,427,371	221,182,915	220,324,726	439,252,612
1960	287	22,152	112,225,758	244,010,059	214,719,901	467,675,624
1961	262	20,351	105,820,857	222,681,753	187,560,159	417,752,351
Winnipeg:						
1939	648	17,571	20,717,273	44,873,043	..	81,024,272
1944	666	25,870	38,824,299	119,917,745	..	198,169,626
1949	860	28,687	56,604,162	143,827,270	..	255,006,806
1955	873	26,392	75,281,647	152,575,494	..	291,084,611
1956	869	26,629	80,891,909	163,808,688	..	309,520,043
1957	856	27,039	83,609,725	166,092,377	..	314,229,185
1958	748	25,867	85,034,125	169,346,502	148,589,522	321,494,854
1959	794	25,864	68,968,328	172,048,819	165,938,159	340,717,738
1960	767	24,689	87,508,238	166,238,709	185,509,208	334,895,200
1961	736	23,694	86,394,635	170,087,223	153,950,695	326,881,838
Vancouver:						
1939	829	17,957	22,382,192	56,585,511	..	101,267,243
1944	933	43,473	79,141,407	142,416,371	..	289,390,718
1949	1,225	33,536	78,793,345	204,642,985	..	358,620,526
1955	1,330	34,683	120,486,180	276,666,483	..	489,181,449
1956	1,299	36,052	131,540,861	299,290,344	..	534,658,163
1957	1,280	35,666	138,199,452	305,719,965	..	540,766,123
1958	1,157	32,765	134,591,149	293,928,717	221,615,521	521,449,321
1959	1,173	32,911	139,700,859	277,475,428	232,239,093	516,907,552
1960	1,189	32,059	142,578,640	275,445,595	229,474,007	516,525,735
1961	1,143	30,989	141,169,361	277,891,062	226,443,221	509,665,553

¹ Prior to 1952, the basis of collection was "Gross value of products".

Table 68 A. Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Area of Montreal, by Industrial Group and Industry, 1961

Industrial group and industry	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	number				dollars	
Food and beverage industries:						
Bakeries	204	5,377	18,347,897	24,817,159	27,970,207	54,204,472
Biscuit manufacturers	11	2,388	7,208,373	16,427,902	16,829,220	33,484,069
Confectionery manufacturers	40	1,698	5,328,276	14,460,339	13,056,332	27,856,055
Feed manufacturers	9	423	1,949,739	24,346,379	5,202,358	29,898,219
Fruit and vegetable canners and preservers	44	1,287	3,753,123	15,443,648	9,645,625	24,812,870
Miscellaneous food industries	59	3,008	11,216,161	67,651,809	48,835,438	117,293,161
Pasteurizing plants	26	2,153	8,817,396	34,872,918	14,782,518	50,374,392
Poultry processors	7	144	391,574	3,864,653	781,145	4,677,332
Sausage and sausage casing manufacturers	19	214	599,936	2,991,082	1,217,498	4,174,439
Slaughtering and meat packing plants	29	3,642	16,526,073	133,643,723	32,538,893	166,325,013
Soft drink manufacturers	25	1,326	5,604,001	9,469,977	29,440,770	39,475,289
All other industries ¹	33	6,668	33,645,357	135,105,157	123,383,943	261,614,277
Totals	506	28,328	113,387,906	483,094,946	323,663,947	814,189,588
Tobacco products industries:						
Totals	10	5,161	22,915,264	77,734,185	61,591,704	139,081,968
Rubber industries:						
Totals	18	2,124	9,362,579	13,629,417	14,027,980	27,673,798
Leather industries:						
Boot and shoe findings manufacturers	14	485	1,212,624	2,047,138	1,850,844	3,940,446
Leather glove factories	11	203	596,789	786,199	1,188,088	1,947,057
Miscellaneous leather products manufacturers	79	2,029	5,190,860	7,635,486	8,448,528	16,003,438
Shoe factories	63	6,004	17,241,235	24,177,887	26,234,837	50,454,143
Tanneries	4	151	575,320	683,221	1,019,096	1,737,178
Totals	171	8,872	24,816,828	35,329,931	38,741,391	74,082,262
Textile industries:						
Canvas products industry	16	255	744,834	1,218,250	1,113,753	2,394,189
Cotton and jute bag industry	8	391	1,248,160	7,597,610	2,407,725	10,060,089
Cotton yarn and cloth mills	6	2,481	8,704,784	12,079,086	9,389,593	21,861,614
Embroidery, pleating, hem-stitching manufacturers	75	1,036	2,772,207	1,654,351	4,198,943	5,916,537
Fibre preparing mills	8	180	609,258	2,004,293	1,198,240	3,295,776
Miscellaneous textiles (n.e.s.) industry	67	2,681	8,232,058	21,585,250	17,448,135	39,350,565
Narrow fabric mills	22	744	2,439,944	4,398,832	4,712,976	9,097,332
Textile dyeing and finishing plants	25	553	2,191,180	1,468,140	1,079,134	5,778,121
All other industries ²	29	3,905	17,031,911	25,572,419	18,989,566	44,684,081
Totals	256	12,226	44,974,336	77,578,231	63,538,065	142,438,304
Knitting mills:						
Hosiery mills	62	2,582	7,173,827	13,467,498	13,412,545	26,287,390
Other knitting mills	72	3,714	10,100,090	26,262,512	18,714,933	42,551,867
Totals	134	6,296	17,273,917	39,730,010	30,127,470	68,839,257
Clothing industries:						
Children's clothing industry	117	5,775	13,761,166	33,594,584	22,760,753	56,209,590
Fur goods industry	231	1,889	7,151,414	22,468,024	11,971,486	34,617,653
Hat and cap industry	61	1,951	5,517,618	6,750,417	9,376,310	16,209,318
Men's clothing contractors	73	2,334	5,720,674	540,598	6,974,290	7,575,814
Men's clothing factories	229	9,384	29,030,247	71,198,799	45,808,505	116,500,541
Miscellaneous clothing (n.e.s.) industry	36	666	1,720,837	3,354,722	2,845,784	6,272,921
Women's clothing contractors	101	2,467	5,589,623	671,938	7,194,087	7,909,222
Women's clothing factories	392	16,556	47,942,984	105,948,824	84,819,229	189,505,168
All other industries ³	16	1,211	3,203,608	5,192,780	6,009,747	10,976,738
Totals	1,256	42,233	119,638,171	249,720,686	197,760,191	445,776,965
Wood industries:						
Miscellaneous wood industries (n.e.s.)	8	261	1,225,874	915,994	1,570,741	2,226,525
Sash and door and planing mills (excluding hard-wood flooring)	68	802	2,820,728	6,112,259	4,775,680	11,036,303
Wooden box factories	9	352	974,395	1,429,427	1,495,973	2,930,981
Wood handles and turning	7	44	123,615	106,382	176,479	292,617
All other industries ⁴	7	517	1,823,743	3,354,926	3,220,499	6,658,361
Totals	99	1,876	6,968,455	11,918,988	11,239,372	23,146,787

See footnotes at end of table.

Table 68 A. Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Area of Montreal, by Industrial Group and Industry, 1961 - Continued

Industrial group and industry	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	number			dollars		
Furniture and fixture industries:						
Electric lamp and shade industry.....	32	593	1,525,690	4,126,073	2,777,015	6,900,877
Household furniture industry.....	251	3,625	11,616,186	19,356,285	18,691,072	36,360,089
Office furniture industry.....	14	948	3,477,596	4,062,443	5,280,198	9,471,356
Other furniture industries.....	69	2,416	8,056,253	13,260,161	14,164,639	27,496,534
Totals.....	366	7,582	24,675,725	40,804,962	41,112,924	62,248,856
Paper and allied industries:						
Corrugated boxes manufacturers.....	7	1,762	7,000,152	26,730,095	13,328,133	40,371,748
Folding boxes and set-up boxes manufactures.....	27	1,862	6,636,325	13,705,379	11,699,305	25,359,721
Other paper converters.....	37	1,054	3,844,982	10,281,015	8,038,727	18,332,525
Paper bag manufacturers.....	18	1,041	3,605,314	15,284,230	5,298,146	20,414,071
All other industries ¹	8	2,070	11,903,298	10,011,485	10,629,901	20,569,645
Totals.....	97	7,789	32,990,071	76,012,204	48,994,212	125,047,710
Printing, publishing and allied industries:						
Engraving and duplicate plates.....	38	995	5,270,161	2,014,241	7,706,343	9,808,961
Lithographing.....	89	2,121	9,699,879	12,430,874	17,048,413	29,742,378
Printing and bookbinding.....	306	4,727	18,836,024	16,617,142	30,067,670	46,924,897
Printing and publishing.....	28	5,069	26,281,454	21,047,360	48,987,323	70,402,521
Publishing only.....	102	1,968	9,794,785	16,654,066	31,783,462	48,424,243
Trade composition or typesetting.....	13	363	2,029,030	186,733	2,950,836	3,157,314
Totals.....	576	15,243	71,913,333	68,950,416	138,544,047	208,460,314
Primary metal industries:						
Iron foundries.....	5	220	856,515	760,822	1,242,236	1,976,809
All other industries ²	38	5,138	25,236,157	242,935,569	31,486,136	276,573,257
Totals.....	43	5,358	26,092,672	243,696,391	32,728,372	278,550,066
Metal fabricating industries (except machinery and transportation equipment industries):						
Boiler and plate work.....	9	793	3,670,418	5,828,820	4,346,766	10,239,030
Hardware, tool and cutlery manufacturers.....	47	1,092	4,169,699	6,448,783	13,728,366	20,145,444
Heating equipment manufacturers.....	19	1,336	5,462,111	8,145,405	11,105,578	19,393,375
Machine shops.....	79	1,408	5,832,448	5,489,376	9,025,813	14,588,810
Metal stamping, pressing and coating industry.....	92	4,622	21,183,310	40,482,079	43,893,378	84,519,968
Ornamental and architectural metal industry.....	113	2,326	9,286,917	15,349,399	13,537,946	28,996,834
Wire and wire products manufacturers.....	42	3,470	16,872,807	40,744,797	24,724,824	67,027,858
All other industries ³	51	6,222	30,854,517	41,119,249	42,964,455	84,808,118
Total.....	452	21,269	97,332,227	163,607,906	163,345,126	329,719,435
Machinery industries (except electrical machinery):						
Commercial refrigeration and air-conditioning equip- ment manufacturers.....	6	153	704,226	700,845	928,149	1,807,489
All other industries ⁴	42	4,649	20,973,324	32,429,145	37,186,486	67,989,099
Totals.....	48	4,602	21,677,550	33,129,990	38,114,637	69,796,588
Transportation equipment industries:						
Motor vehicle parts and accessories manufacturers.....	9	210	753,168	1,074,791	1,242,468	2,319,682
Railroad rolling stock industry.....	8	7,517	33,096,450	45,619,736	32,969,806	80,807,756
Truck body and trailer manufacturers.....	13	223	750,637	979,219	1,264,685	2,266,886
All other industries ⁵	28	18,126	93,509,936	108,936,610	122,202,458	228,325,771
Totals.....	55	26,076	128,110,193	154,612,556	157,678,437	313,720,095
Electrical products industries:						
Manufacturers of miscellaneous electrical products.....	27	1,556	4,967,454	14,160,519	10,132,787	24,453,094
All other industries ¹⁰	56	16,727	83,026,918	90,919,515	118,445,789	211,364,800
Totals.....	83	18,283	88,014,372	105,080,034	128,578,576	235,817,894

See footnotes at end of table.

TABLE 68 A. Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Area of Montreal, by Industrial Group and Industry, 1961 - Concluded

Industrial group and industry	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	number				dollars	
Non-metallic mineral products industries:						
Concrete products manufacturers	56	1,256	4,828,730	7,950,320	10,054,775	18,205,021
Glass products manufacturers	19	326	1,081,803	1,619,698	1,641,365	3,313,403
Other non-metallic mineral products industries	5	65	321,892	635,067	680,848	1,363,212
Ready-mix concrete manufacturers	7	731	3,373,878	12,308,565	6,354,702	19,181,139
Stone products manufacturers	12	193	746,976	765,640	1,256,801	2,073,672
All other industries ¹¹	18	4,950	21,834,545	20,890,182	47,760,387	75,099,823
Totals	117	7,523	32,187,824	44,167,472	67,748,878	119,236,270
Petroleum and coal products industries:						
Petroleum refining	6	2,789	17,158,799	290,442,398	78,606,062	370,800,382
All other industries ¹²	7	143	641,911	5,398,358	4,171,266	9,719,533
Totals	13	2,932	17,800,710	295,840,756	82,777,328	380,519,915
Chemical and chemical products industries:						
Manufacturers of industrial chemicals	14	1,137	6,798,976	10,081,630	10,831,896	21,547,859
Manufacturers of pharmaceuticals and medicines	65	3,235	14,177,171	22,798,649	51,549,444	73,608,553
Manufacturers of soap and cleaning compounds	31	405	1,574,742	4,542,331	5,930,886	10,571,462
Manufacturers of toilet preparations	23	876	3,428,389	7,018,283	15,879,604	22,641,242
Other chemical industries	69	1,010	4,198,562	10,411,942	12,599,624	23,490,487
Paint and varnish manufacturers	32	2,136	9,356,793	20,153,360	22,374,886	42,705,345
All other industries ¹³	15	2,045	12,471,382	23,592,324	19,245,567	43,618,568
Totals	249	10,844	52,006,015	98,598,519	138,211,907	238,183,516
Miscellaneous manufacturing industries:						
Artificial flowers and feathers manufacturers	19	212	511,958	544,137	1,016,053	1,528,947
Broom, brush and mop industry	26	376	983,763	1,768,971	1,517,539	3,293,499
Button, buckle and fastener industry	28	842	2,263,420	3,462,571	4,022,963	7,527,251
Candle manufacturers	6	175	654,986	946,427	1,446,704	2,393,852
Clock and watch manufacturers	9	114	405,271	1,046,328	692,293	1,823,405
Dental laboratories	90	239	924,510	437,727	1,190,512	1,641,493
Instrument and related products manufacturers	21	1,672	7,945,823	15,036,315	10,313,859	26,512,837
Jewellery and silverware manufacturers	74	979	3,227,304	5,687,853	5,288,844	10,949,334
Model and pattern manufacturers	14	90	338,926	141,435	531,664	675,350
Ophthalmic goods manufacturers	13	71	197,118	282,522	311,376	598,074
Orthopedic and surgical appliance manufacturers	4	23	102,949	43,791	200,500	248,235
Other miscellaneous industries	10	540	1,699,468	2,530,730	3,800,552	6,286,130
Plastic fabricators, n.e.s.	52	1,067	3,709,852	10,239,802	9,521,594	19,986,848
Signs and displays industry	41	493	2,024,446	1,742,055	3,170,856	4,977,327
Sporting goods industry	11	222	698,241	1,281,478	916,269	2,219,577
Stamp and stencil (rubber and metal) manufacturers ..	14	175	666,703	419,863	1,045,399	1,487,614
Statuary, art goods, regalia and novelty manu- factures	26	227	621,891	401,337	815,248	1,222,734
Toys and games industry	9	659	1,635,347	2,940,500	3,591,251	6,703,515
Venetian blind manufacturers	14	93	301,024	668,524	702,566	1,365,238
All other industries ¹⁴	30	1,382	4,758,892	4,927,427	8,534,833	13,911,171
Totals	511	9,651	33,671,892	54,549,793	58,630,875	115,332,431
Grand totals, Metropolitan Montreal	5,060	244,568	985,810,040	2,367,787,395	1,837,156,447	4,231,862,018

¹ Includes: Animal oils and fats plants, 1; breakfast cereal manufacturers, 2; breweries, 4; butter and cheese plants, 5; condenseries, 1; distilleries, 2; flour mills, 3; ice cream manufacturers, 3; macaroni manufacturers, 4; process cheese manufacturers, 3; sugar refineries, 2; vegetable oil mills, 2; wineries, 1.

² Includes: Automobile fabric accessory manufactures, 4; carpet, mat and rug industry, 2; linoleum and coated fabrics industry, 7; pressed and punched felt mills, 1; synthetic textile mills, 4; thread mills, 8; wool cloth mills, 1; wool yarn mills, 2.

³ Includes: Fabric glove manufacturers, 1; foundation garment industry, 15.

⁴ Includes: Coffin and casket industry, 2; cooperage, 1; hardwood flooring, 1; veneer and plywood mills, 1; woodenware, 2.

⁵ Includes: Asphalt roofing manufacturers, 5; pulp and paper mills, 3.

⁶ Includes: Aluminum rolling, casting and extruding, 5; copper and alloy rolling, casting and extruding, 14; iron and steel mills, 2; metal rolling, casting and extruding, 13; smelting and refining, 1; steel pipe and tube mills, 3.

⁷ Includes: Fabricated structural metal industry, 11; miscellaneous metal fabricating industries, 40.

⁸ Includes: Agricultural implement industry, 2; miscellaneous machinery and equipment manufacturers, 37; office and store machinery manufacturers, 3.

⁹ Includes: Aircraft and parts manufacturers, 20; boatbuilding and repair, 3; motor vehicle manufacturers, 1; shipbuilding and repair, 4.

¹⁰ Includes: Battery manufacturers, 1; communications equipment manufacturers, 21; manufacturers of electrical industrial equipment, 9; manufacturers of electric wire and cable, 4; manufacturers of household radio and television receivers, 10; manufacturers of major appliances (electric and non-electric), 4; manufacturers of small electrical appliances, 7.

¹¹ Includes: Abrasives manufacturers, 1; asbestos products manufacturers, 3; cement manufacturers, 2; clay products manufacturers (from domestic clays), 3; clay products manufacturers (from imported clays), 1; glass manufacturers, 4; gypsum products manufacturers, 2; refractories manufacturers, 2.

¹² Includes: Manufacturers of lubricating oils and greases, 2; other petroleum and coal products, 5.

¹³ Includes: Manufacturers of mixed fertilizers, 2; manufacturers of plastics and synthetic resins, 4; manufacturers of printing inks, 7.

¹⁴ Includes: Artificial ice manufacturers, 1; fountain pen and pencil manufacturers, 5; fur dressing and dyeing industry, 6; hair goods manufacturers, 3; musical instruments and sound recording industries, 7; smokers' supplies manufacturers, 1; typewriter supplies manufacturers, 3; umbrella manufacturers, 4.

TABLE 68 B. Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Area of Montreal, by Municipality, 1961

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	number				dollars	
Boucherville	6	27	83,363	164,646	107,234	279,899
Chomedey	19	255	845,484	1,949,724	1,590,707	3,445,395
Dorlon	14	298	686,924	1,181,388	1,061,786	2,202,901
Dorval	16	514	2,550,515	3,281,836	5,793,213	8,962,149
Greenfield Park	6	106	420,259	636,049	1,225,038	1,863,984
Île-Perrot	5	20	41,152	57,871	57,909	119,104
Jacques-Cartier	28	3,619	17,542,559	27,313,185	21,019,441	46,903,919
Lachine	78	11,774	55,689,408	88,342,756	94,306,467	182,262,761
Laflèche	6	58	187,608	477,662	446,300	954,565
La Prairie	18	463	1,550,875	2,818,909	2,806,191	5,635,832
LaSalle	57	5,227	23,866,930	81,302,671	88,282,979	170,746,640
Laval-des-Rapides	20	219	536,889	625,083	1,194,323	1,808,465
Longueuil	38	1,333	4,416,408	6,391,546	5,662,932	12,157,935
Montreal	3,802	165,385	632,333,473	1,209,756,397	1,087,201,434	2,314,989,772
Montreal East	36	6,538	33,214,274	476,245,771	115,221,415	597,347,675
Montreal North	100	1,714	6,507,748	12,765,866	10,953,562	23,988,672
Mont-Royal	65	6,543	29,288,029	89,293,891	76,144,886	166,397,992
Outremont	90	3,079	10,868,218	26,351,834	21,640,646	47,920,504
Pierrefonds	6	27	64,806	153,953	121,193	267,114
Pointe-Claire	14	786	3,733,043	9,448,576	14,037,037	22,853,762
Pont-Viau	19	339	1,040,502	1,971,803	2,256,617	4,256,025
Rivière-des-Prairies	16	545	2,209,590	4,711,401	4,610,045	9,335,655
Ste-Dorothée	4	28	91,321	150,345	143,105	300,343
St-Eustache	20	172	521,189	1,342,140	957,283	2,866,737
St-Lambert	28	928	3,160,661	6,365,048	5,260,456	11,897,757
St-Laurent	119	18,546	90,317,289	145,008,215	149,875,372	293,965,680
St-Léonard-de-Port-Maurice	7	65	291,872	504,153	392,650	915,259
St-Michel	139	3,006	10,673,662	25,630,926	24,562,171	51,507,403
Ste-Rose	8	98	335,084	532,704	677,812	1,175,582
Ste-Thérèse	32	1,309	4,401,348	11,573,630	9,042,813	20,966,470
Verdun	71	1,842	5,898,078	8,801,309	10,239,779	19,121,954
Westmount	36	1,816	7,970,314	11,571,505	17,248,526	28,935,329
All others ¹	139	7,869	34,471,165	111,064,602	63,215,165	176,008,784
Totals	5,060	244,568	985,810,040	2,367,787,395	1,837,156,447	4,231,862,018

¹ Includes: Anjou; Baie-d'Urfé; Beaconsfield; Brossard; Candiac; Charlemagne; Châteauguay; Châteauguay Centre; Côte-St-Luc; Delson; Duvernay; Hampstead; Indian Reserves; Laval West; Le Moyne; Montreal West; Notre-Dame; Notre-Dame-de-l'Île-Perrot; Pointe-aux-Trembles; Repentigny; Roxboro; Ste-Anne-de-Bellevue; Ste-Anne-du-Bout-de-l'Île; Ste-Bruno-de-Montarville; Ste-Catherine-d'Alexandrie-de-Laprairie; St-Elzéar; St-Eustache-sur-le-lac; St-François; Ste-Geneviève; St-Hubert; St-Pierre; St-Vincent-de-Paul.

TABLE 69 A. Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Area of Toronto, by Industrial Group and Industry, 1961

Industrial group and industry	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	number				dollars	
Food and beverage industries:						
Bakeries	230	6,333	23,123,752	34,159,106	39,947,134	75,881,194
Biscuit manufacturers	8	1,369	4,635,845	9,492,784	13,725,980	23,364,920
Breweries	5	1,198	6,889,753	11,760,189	40,909,026	51,410,509
Butter and cheese plants	7	61	195,806	1,610,889	387,477	2,033,589
Confectionery	39	3,411	11,304,885	31,683,111	31,544,446	63,373,984
Distilleries	5	368	1,811,973	7,102,790	8,514,148	15,602,538
Feed manufacturers	26	557	2,424,430	19,717,325	7,172,780	27,098,867
Miscellaneous food manufacturers	55	2,869	13,552,587	60,939,235	33,420,793	94,879,321
Pasteurizing plants	31	3,140	14,206,927	39,664,075	23,462,177	64,203,654
Poultry processors	6	107	503,119	4,000,765	818,314	4,845,019
Sausage and sausage casing manufacturers	17	301	1,230,287	5,564,979	2,537,300	8,198,249
Soft drink manufacturers	21	1,221	5,712,554	6,646,148	15,981,888	22,479,902
All other industries ¹	90	6,667	40,122,964	292,991,731	89,863,154	384,811,264
Totals	540	29,602	125,714,882	525,333,127	308,284,579	638,383,010
Rubber industries:						
Totals	16	4,010	19,187,700	34,946,938	37,262,152	75,263,118
Leather industries:						
Miscellaneous leather products manufacturers	42	1,086	3,039,528	4,001,260	4,808,378	8,787,672
Shoe factories	38	1,917	5,423,447	7,762,079	8,173,782	15,948,168
All other industries ¹	10	743	2,758,396	7,902,852	3,521,711	11,436,293
Totals	90	3,746	11,221,371	19,666,191	16,503,871	36,172,133

See footnotes at end of table.

TABLE 69 A. Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Area of Toronto, by Industrial Group and Industry, 1961 - Continued

Industrial group and industry	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	number				dollars	
Textile industries:						
Canvas products industry	28	412	1,120,057	2,996,388	2,123,946	5,149,485
Cotton and jute bag industry	6	131	470,670	3,310,743	625,531	3,994,013
Embroidery, pleating, hemstitching manufacturers	30	345	1,040,411	475,841	1,599,854	2,098,196
Fibre preparing mills	8	245	904,831	2,913,353	1,524,208	4,734,212
Miscellaneous textiles (n.e.s.) industry	61	1,109	3,595,453	8,523,091	7,930,856	16,262,129
Narrow fabric mills	9	138	398,561	557,177	838,709	1,409,208
Textile dyeing and finishing plants	12	237	890,368	383,072	1,512,110	1,980,494
All other industries ¹	37	3,077	11,880,710	28,577,463	18,252,814	47,792,180
Totals	191	5,694	20,301,061	47,737,128	34,408,028	83,419,917
Knitting mills:						
Hosiery mills	21	938	2,483,904	4,188,786	4,233,992	8,424,819
Other knitting mills	44	2,071	5,999,251	11,545,337	10,553,956	22,125,221
Totals	65	3,009	8,483,155	15,734,123	14,787,948	30,550,040
Clothing industries:						
Children's clothing industry	30	1,341	3,046,265	5,216,333	4,613,569	9,671,910
Fur goods industry	116	903	3,739,978	9,560,012	6,127,842	15,616,876
Hat and cap industry	38	776	2,301,438	2,647,723	3,457,536	6,119,698
Men's clothing contractors	12	205	553,257	99,184	640,575	745,426
Men's clothing factories	93	5,947	17,604,826	25,329,169	24,524,117	47,953,203
Miscellaneous clothing (n.e.s.) industry	13	301	884,783	1,395,457	1,459,280	2,774,304
Women's clothing contractors	14	458	1,035,839	159,698	1,203,024	1,428,262
Women's clothing factories	152	5,113	15,936,203	25,339,599	25,507,357	50,572,613
All other industries ⁴	13	1,032	2,916,998	4,520,239	5,930,526	10,312,800
Totals	481	16,076	48,019,587	74,267,414	73,463,826	145,195,092
Wood industries:						
Miscellaneous wood industries, n.e.s.	13	132	407,421	403,281	719,456	1,137,238
Shash and door and planing mills (excluding hard- wood flooring) ¹⁵	70	1,308	5,223,113	12,346,074	8,851,736	21,223,307
All other industries ¹	22	818	2,931,739	3,201,667	4,083,649	7,569,758
Totals¹⁵	105	2,258	8,562,273	15,951,022	13,654,841	29,930,303
Furniture and fixture industries:						
Electric lamp and shade industry	18	510	1,431,958	2,573,689	2,632,658	5,247,670
Household furniture industry	276	3,630	13,365,408	26,165,614	21,618,266	48,136,142
Office furniture industries	8	211	736,402	864,363	1,283,740	2,193,707
Other furniture industries	92	2,404	9,247,199	18,628,533	18,361,237	37,001,532
Totals	394	6,755	24,780,967	48,232,199	43,895,901	92,579,051
Paper and allied industries:						
Corrugated box manufacturers	9	1,449	6,599,704	21,090,556	11,081,064	32,342,264
Folding box and set-up box manufacturers	38	2,754	10,660,085	26,507,182	17,312,126	43,651,695
Other paper converters	73	4,468	19,478,093	39,084,967	35,326,291	74,357,069
Pulp and paper mills	6	1,444	9,656,563	13,535,536	11,920,792	27,320,781
All other industries ⁶	17	880	3,546,207	11,276,267	8,329,701	19,288,428
Totals	143	10,995	49,940,652	111,494,508	83,969,974	196,960,237
Printing, publishing and allied industries:						
Engraving and duplicate plates	55	1,613	10,180,463	3,615,650	14,074,343	17,876,103
Lithographing	118	4,533	21,004,830	30,107,635	37,474,867	67,794,873
Printing and bookbinding	368	7,290	32,443,001	34,277,518	53,562,982	87,921,173
Printing and publishing	48	7,775	44,196,842	31,048,812	80,515,914	112,478,152
Publishing only	147	1,479	6,056,383	11,686,626	15,325,609	26,691,645
Trade composition or typesetting	16	684	3,772,753	284,637	5,370,738	5,687,625
Totals	752	23,374	117,654,272	111,021,078	206,324,453	318,449,571
Primary metal industries:						
Iron foundries	11	972	4,513,524	5,204,848	8,201,567	14,796,563
Metal rolling, casting and extruding, n.e.s.	22	990	4,616,291	22,252,709	8,629,223	31,121,674
All other industries ⁷	27	2,333	11,518,250	33,691,764	20,026,200	54,713,323
Totals	60	4,295	20,648,065	61,149,321	36,856,990	100,631,560

See footnotes at end of table.

Table 69 A. Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Area of Toronto, by Industrial Group and Industry, 1961 - Continued

Industrial group and industry	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	number				dollars	
Metal fabricating industries (except machinery and transportation equipments industries):						
Boiler and plate works	11	506	2,468,409	3,596,253	3,678,472	7,545,238
Fabricated structural metal industry	14	2,757	14,295,603	26,378,027	25,480,995	52,214,780
Hardware, tool and cutlery manufacturers	88	1,925	8,780,822	8,679,141	15,252,644	23,962,345
Heating equipment manufacturers	32	1,369	6,201,881	11,216,907	13,182,426	24,830,823
Machine shops	113	1,230	4,959,493	3,863,741	6,930,896	11,035,228
Metal stamping, pressing and coating industry	140	6,608	29,313,629	59,136,559	58,794,943	118,257,774
Miscellaneous metal fabricating industries	102	4,078	17,310,329	24,815,523	33,832,131	60,835,927
Ornamental and architectural metal industry	107	2,979	13,274,056	21,005,401	22,918,214	44,841,785
Wire and wire products manufacturers	53	1,945	9,164,732	17,955,518	14,691,659	32,992,253
Totals	660	23,397	105,768,954	176,647,070	194,762,380	376,516,151
Machinery industries (except electrical machinery):						
Commercial refrigeration and air conditioning equip- ment manufacturers	6	308	1,406,840	1,789,166	2,398,142	4,200,311
Miscellaneous machinery and equipment manufacturers	120	5,970	28,367,712	44,656,988	46,405,475	90,449,730
All other industries ⁹	15	6,954	35,192,932	58,960,456	56,555,012	114,482,374
Totals	141	13,232	64,967,484	105,406,610	105,358,629	209,132,415
Transportation equipment industries:						
Boatbuilding and repair	8	91	299,108	286,930	302,507	568,719
Motor vehicle parts and accessories manufacturers	34	2,366	10,098,188	18,840,535	19,161,742	38,623,587
Truck body and trailer manufacturers	14	832	3,704,113	7,215,612	5,351,130	12,721,199
All other industries ⁹	26	13,178	69,627,774	226,051,389	137,978,489	357,956,682
Totals¹³	82	16,467	83,729,183	252,394,466	162,793,868	409,870,187
Electrical products industries:						
Communications equipment manufacturers	46	5,052	20,871,589	26,619,597	30,993,982	56,316,354
Manufacturers of electrical industrial equipment	36	5,399	26,761,727	33,907,948	41,493,766	74,250,965
Manufacturers of household radio and television receivers	8	2,486	10,724,309	26,178,093	18,626,283	45,063,740
Manufacturers of major appliances (electric and non- electric)	12	3,036	13,957,772	35,915,515	28,685,375	65,820,336
Manufacturers of miscellaneous electrical products	58	4,406	18,493,349	35,014,167	38,774,511	73,899,635
Manufacturers of small electrical appliances	28	1,497	5,952,864	15,429,693	13,665,482	28,892,495
All other industries ¹⁰	9	2,516	12,306,029	35,165,916	22,716,707	56,194,358
Totals	197	24,392	109,069,639	208,230,929	194,956,106	400,437,883
Non-metallic mineral products industries:						
Clay products manufacturers (from domestic clays)	11	789	3,159,919	1,423,855	6,878,966	9,703,372
Concrete products manufacturers ¹²	59	1,305	5,470,316	8,640,345	10,772,542	19,840,096
Glass products manufacturers	39	1,010	4,282,427	7,479,801	7,271,986	15,189,743
Ready-mix concrete manufacturers	9	674	3,732,903	13,727,048	5,695,398	19,938,822
Stone products manufacturers	14	151	680,819	698,731	876,555	1,640,329
All other industries ¹¹	19	2,406	12,495,954	11,743,809	26,737,555	40,837,057
Totals¹⁵	151	6,335	29,822,338	43,713,589	58,233,002	107,149,419
Petroleum and coal products industries:¹³						
Totals	16	3,840	24,710,581	111,060,173	28,049,782	141,821,139
Chemical and chemical products industries:						
Manufacturers of industrial chemicals	15	649	3,620,988	5,538,279	7,389,013	13,560,165
Manufacturers of plastics and synthetic resins	7	242	1,248,957	7,234,138	3,084,879	10,421,782
Manufacturers of pharmaceuticals and medicines	46	2,697	10,853,158	16,096,756	35,998,814	52,059,507
Manufacturers of printing inks	15	704	3,438,086	5,825,093	7,121,207	13,006,934
Manufacturers of soap and cleaning compounds	34	2,419	12,649,817	39,878,032	46,573,827	88,268,837
Manufacturers of toilet preparations	34	1,286	4,596,019	10,810,976	22,298,398	33,450,415
Other chemical industries, n.e.s.	93	1,840	8,206,794	28,793,040	24,414,730	53,039,900
Paints and varnish manufacturers	40	2,066	9,775,031	32,146,784	30,727,729	63,306,079
All other industries ¹⁴	4	127	607,487	3,435,692	1,684,617	5,429,059
Totals	288	12,030	54,996,337	149,758,790	179,293,214	332,542,678

See footnotes at end of table.

TABLE 69 A. Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Area of Toronto, by Industrial Group and Industry, 1961 - Concluded

Industrial group and industry	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	number			dollars		
Miscellaneous manufacturing industries:						
Broom, brush and mop industry	12	361	1,138,059	1,736,310	2,104,620	3,768,158
Clock and watch manufacturers	12	377	1,312,349	4,580,866	4,321,677	8,701,509
Dental laboratories	64	463	1,791,522	755,070	2,696,345	3,477,987
Fountain pen and pencil manufacturers	6	419	1,608,974	2,598,892	3,208,640	5,770,447
Hair goods manufacturers	5	34	89,235	95,568	109,106	204,502
Jewellery and silverware manufacturers	93	2,220	8,145,491	18,964,233	13,101,797	31,950,530
Model and pattern manufacturers	27	422	1,767,645	1,102,354	3,493,218	4,522,154
Orthopedic and surgical appliance manufacturers	10	162	548,893	520,422	1,023,744	1,495,381
Other miscellaneous industries	19	370	1,219,584	2,454,965	1,948,956	4,439,654
Plastic fabricators, n.e.s.	75	2,039	6,943,186	12,510,085	11,774,771	24,255,337
Signs and display industry	97	1,480	6,234,527	6,570,114	10,520,741	17,148,873
Sporting goods industry	23	1,569	7,063,453	12,214,907	15,347,901	26,899,564
Stamp and stencil (rubber and metal) manufacturers ..	20	369	1,497,686	753,169	1,892,678	2,699,836
Statuary, art goods, regalia and novelty manu- facturers	28	351	1,148,097	1,290,712	1,869,143	3,163,525
Toys and games industry	34	1,733	4,760,228	9,362,198	8,702,788	18,246,014
Typewriter supplies manufacturers	5	336	1,229,399	2,909,605	2,196,423	5,144,241
Venetian blind manufacturers	11	46	116,059	235,636	236,715	482,749
All other industries ¹⁴	75	5,362	25,444,178	36,533,025	48,426,837	84,968,061
Totals	616	18,113	72,058,565	115,188,131	132,976,100	247,338,522
Grand totals, Metropolitan Toronto¹⁵	4,988	227,620	999,637,066	2,227,932,807	1,925,835,644	4,172,342,426

¹ Includes: Tobacco products industries group, 4; animal oils and fats plants, 4; breakfast cereal manufacturers, 3; flour mills, 4; fruit and vegetable canners and preservers, 26; ice cream manufacturers, 7; macaroni manufacturers, 7; process cheese manufacturers, 2; slaughtering and meat packing plants, 26; sugar refineries, 1; vegetable oil mills, 3; wineries, 3.

² Includes: Boot and shoe findings manufacturers, 2; leather glove factories, 3; leather tanneries, 5.

³ Includes: Automobile fabric accessory manufacturers, 10; carpet, mat and rug industry, 2; cordage and twine industry, 1; cotton yarn and cloth mills, 4; linoleum and coated fabrics industry, 4; pressed and punched felt mills, 5; synthetic textile mills, 3; thread mills, 3; wool cloth mills, 1; wool yarn mills, 4.

⁴ Includes: Fabric glove manufacturers, 1; foundation garment industry, 12.

⁵ Includes: Coffin and casket industry, 2; cooperage, 1; hardwood flooring, 2; veneer and plywood mills, 1; wooden box factories, 10; woodenware, 2; wood handles and turning, 4.

⁶ Includes: Asphalt roofing manufacturers, 1; paper bag manufacturers, 16.

⁷ Includes: Aluminum rolling, casting and extruding, 12; copper and alloy rolling, casting and extruding, 13; steel pipe and tube mills, 2.

⁸ Includes: Agricultural implement industry, 1; office and store machinery manufacturers, 14.

⁹ Includes: Aircraft and parts manufacturers, 19; miscellaneous vehicle manufacturers, 2; motor vehicle manufacturers, 1; railroad rolling stock industry, 2; shipbuilding and repair, 2.

¹⁰ Includes: Battery manufacturers, 5; manufacturers of electric wire and cable, 4.

¹¹ Includes: Abrasive manufacturers, 2; asbestos products manufacturers, 2; cement manufacturers, 1; clay products manufacturers (from imported clays), 1; glass manufacturers, 2; mineral wool manufacturers, 2; other non-metallic products manufacturers, 4; refractories manufacturers, 5.

¹² Includes: Manufacturers of lubricating oils and greases, 7; other petroleum and coal products industries, 6; petroleum refining, 3.

¹³ Includes: Explosives and ammunition manufacturers, 1; manufacturers of mixed fertilizers, 3.

¹⁴ Includes: Artificial flowers and feathers manufacturers, 8; artificial ice manufacturers, 3; button, buckle and fastener industry, 3; candle manufacturers, 1; fur dressing and dyeing industry, 2; instrument and related products manufacturers, 38; musical instrument industry and sound recording industry, 9; ophthalmic goods manufacturers, 7; smokers' supplies manufacturers, 3; umbrella manufacturers, 1.

¹⁵ Revised since publication in The Manufacturing Industries of Canada, Geographical Distribution, 1961 (DBS Catalogue No. 31-209)

TABLE 69 B. Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Area of Toronto, by Municipality, 1961

Municipality ¹	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	number			dollars		
Toronto (city proper)	2,765	116,043	498,275,086	1,010,974,767	847,316,032	1,873,844,843
Ajax	37	1,785	6,928,741	16,187,525	13,391,037	30,092,882
Etobicoke Township	436	18,770	82,382,166	175,220,687	179,777,972	356,611,645
Forest Hill	10	84	178,474	252,389	244,603	513,559
Leaside	51	6,599	29,753,955	60,259,912	48,608,607	108,014,345
Long Branch	25	884	3,508,233	9,016,292	9,209,490	17,819,570
Markham	13	254	813,863	1,852,801	2,545,084	4,513,321
Markham Township	26	229	968,953	1,720,706	1,861,675	3,676,838
Milton	17	691	3,059,955	5,374,425	5,539,535	11,186,321
Mimico	38	1,265	4,829,436	10,871,307	9,712,341	20,585,228
New Toronto	30	6,063	32,728,289	87,525,683	77,558,091	167,982,440
Richmond Hill	30	409	1,613,197	4,890,817	3,088,719	8,034,674
Scarborough Township	340	13,652	57,778,198	108,916,864	113,537,693	223,651,314
Stouffville	7	104	370,516	537,080	482,143	1,051,290
Streetsville	17	846	2,712,070	5,184,892	5,165,375	10,939,860
Swansea	19	1,278	6,102,485	10,733,060	10,018,859	20,449,456
Toronto Township	105	8,960	42,640,512	123,526,132	84,235,353	212,261,650
Weston	73	2,754	11,622,961	20,172,442	21,092,674	41,418,386
Woodbridge	10	124	463,339	1,354,465	1,278,935	2,710,717
York Township	208	9,964	44,612,147	90,474,415	97,656,519	187,897,959
York East Township	96	5,038	20,332,896	39,033,211	44,163,682	81,954,567
York North Township	486	23,823	104,946,682	181,828,769	218,124,513	396,242,255
All others ²	147	8,245	43,034,712	262,024,166	131,226,712	390,889,306
Totals³	4,988	227,620	999,637,066	2,227,932,807	1,925,835,644	4,172,342,426

¹ Data for townships exclude those for any incorporated cities, towns and villages located in them and listed separately.

² Includes: Oakville; Pickering; Port Credit; Pickering Township; Trafalgar Township; Vaughan Township.

³ Revised since publication in The Manufacturing Industries of Canada, Geographical Distribution, 1961 (DBS Catalogue No. 31-209)

Table 70 A. Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Area of Hamilton, by Industrial Group and Industry, 1961

Industrial group and industry	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	number			dollars		
Food and beverage industries:						
Bakeries	53	1,272	4,302,098	4,089,613	5,856,209	10,279,365
Confectionery manufacturers	6	325	914,832	1,944,171	2,848,836	4,911,948
Feed manufacturers	7	34	119,720	864,286	179,348	1,063,880
Fruit and vegetable canners and preservers	14	1,390	4,243,622	12,012,912	6,385,473	18,180,043
Pasteurizing plants	8	765	3,434,896	7,712,811	4,506,826	12,474,427
Soft drink manufacturers	5	133	554,057	858,425	1,876,910	2,803,354
All other industries ¹	33	1,337	4,803,339	39,115,360	9,443,904	48,783,434
Totals	126	5,256	18,372,564	66,597,578	31,097,506	98,496,451
Textile industries:						
Canvas products industry	4	74	239,034	263,613	359,733	621,533
Cotton yarn and cloth mills	3	796	2,418,702	5,140,906	4,304,769	9,730,949
All other industries ²	12	667	2,219,258	4,766,505	4,273,963	9,231,064
Totals	19	1,537	4,876,994	10,171,024	8,938,465	19,583,546
Clothing industries:						
Fur goods industry	5	21	79,060	115,111	173,482	271,077
Men's clothing factories	5	646	1,789,444	1,968,658	2,502,146	4,605,484
All other industries ³	7	54	107,689	101,979	165,475	267,203
Totals	17	721	1,976,193	2,185,748	2,841,103	5,143,764
Wood industries:						
Sash and door and planing mills (excluding hard- wood flooring)	10	467	1,628,968	2,166,869	2,107,327	4,332,524
Wooden box factories	6	96	287,700	423,228	533,961	961,164
All other industries ⁴	5	124	380,608	526,281	566,606	1,128,751
Totals	21	687	2,297,276	3,116,376	3,207,894	6,422,439
Furniture and fixture industries:						
Household furniture industry	33	102	333,719	261,084	456,656	722,224
All other industries ⁵	10	211	893,608	796,010	1,687,882	2,528,710
Totals	43	313	1,227,327	1,057,094	2,144,540	3,250,934
Paper and allied industries:⁶						
Totals	18	1,705	7,474,615	23,528,412	14,472,607	37,983,226
Printing, publishing and allied industries:						
Engraving and duplicate plates	10	176	1,001,440	254,315	1,355,661	1,630,617
Printing and bookbinding	52	377	1,582,856	1,447,345	2,504,397	3,963,619
All other industries ⁷	17	824	3,932,089	3,732,344	8,412,994	12,202,636
Totals	79	1,377	6,516,385	5,434,004	12,273,072	17,816,872
Metal fabricating industries (except machinery and transportation equipment industries):						
Hardware, tool and cutlery manufacturers	20	535	2,509,552	2,142,930	4,856,481	7,047,141
Machine shops	19	128	531,099	281,530	744,887	1,039,730
Metal stamping, pressing and coating industry	33	2,301	11,902,075	29,427,577	18,052,340	49,248,122
Wire and wire products manufacturers	17	2,615	13,534,200	36,579,095	19,607,155	57,595,720
All other industries ⁸	39	1,144	5,236,678	9,658,066	10,504,148	20,090,828
Totals	128	6,723	33,715,604	78,089,198	53,965,911	135,021,541
Machinery industries (except electrical machinery):						
Totals	24	4,035	20,362,166	24,361,562	30,610,202	56,822,471
Electrical products industries:¹⁰						
Totals	20	5,777	29,544,519	35,705,795	58,743,550	97,876,502
Non-metallic mineral products industries:						
Clay products manufacturers (from domestic clays)	7	315	1,232,104	439,522	2,245,466	3,383,553
Concrete products manufacturers	11	357	1,663,580	1,880,580	3,382,798	5,374,163
All other industries ¹¹	19	1,957	8,348,066	9,327,782	15,479,668	25,668,932
Totals	37	2,629	11,243,750	11,647,884	21,087,932	34,426,646

See footnotes at end of table.

TABLE 70 A. Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Area of Hamilton, by Industrial Group and Industry, 1961 — Concluded

Industrial group and industry	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	number			dollars		
Chemical and chemical products industries:						
Other chemical industries, n.e.s.....	18	444	2,241,186	9,911,773	6,490,703	16,284,696
All other industries ¹²	18	1,452	8,839,778	41,115,071	38,785,518	81,783,409
Totals	34	1,896	11,080,964	51,026,844	45,276,221	98,068,105
Miscellaneous manufacturing industries:						
Dental laboratories	8	40	164,503	66,651	209,127	277,956
Signs and displays industry	17	148	574,196	553,351	1,041,814	1,625,008
Stamp and stencil (rubber and metal) manufacturers.....	4	93	405,659	181,769	534,402	702,921
All other industries ¹³	32	840	2,984,111	5,106,170	6,282,520	11,304,104
Totals	61	1,121	4,128,469	5,907,941	8,067,863	13,909,989
All other major groups: ¹⁴						
Totals	50	20,776	113,313,068	241,021,741	283,785,222	543,677,767
Grand totals, Metropolitan Hamilton	677	54,553	266,129,894	559,851,203	576,511,383	1,168,600,255

¹ Includes: Animal oils and fats plants, 2; biscuit manufacturers, 3; butter and cheese plants, 2; condenseries, 1; flour mills, 1; macaroni manufacturers, 1; miscellaneous food manufacturers, 6; poultry processors, 3; sausage and sausage casing manufacturers, 5; slaughtering and meat packing plants, 8; vegetable oil mills, 1.

² Includes: Automobile fabric accessory manufacturers, 1; cordage and twine industry, 1; cotton and jute bag industry, 1; embroidery, pleating, hemstitching manufacturers, 2; miscellaneous, textiles(n.e.s.) industry, 2; narrow fabric mills, 1; textile dyeing and finishing plants, 1; thread mills, 1; wool cloth mills, 1; wool yarn mills, 1.

³ Includes: Foundation garment industry, 1; hat and cap industry, 3; miscellaneous clothing(n.e.s.) industry, 1; women's clothing factories, 2.

⁴ Includes: Coffin and casket industry, 2; hardwood flooring, 1; miscellaneous wood industries, n.e.s., 1; sawmills (except shingle mills), 1.

⁵ Includes: Electric lamp and shade industry, 1; other furniture industries, 9.

⁶ Includes: Asphalt roofing manufacturers, 1; corrugated boxes manufacturers, 2; folding boxes and set-up boxes manufacturers, 9; other paper converters, 4; paper bag manufacturers, 2.

⁷ Includes: Lithographing, 6; printing and publishing, 7; publishing only, 1; trade composition or typesetting, 3.

⁸ Includes: Boiler and plate works, 3; fabricated structural metal industry, 2; heating equipment manufacturers, 4; miscellaneous metal fabricating industries, 13; ornamental and architectural metal industry, 17.

⁹ Includes: Agricultural implement industry, 3; commercial refrigeration and air conditioning equipment manufacturers, 2; miscellaneous machinery and equipment manufacturers, 17; office and store machinery manufacturers, 2.

¹⁰ Includes: Battery manufacturers, 1; communications equipment manufacturers, 4; manufacturers of electrical industrial equipment, 6; manufacturers of electric wire and cable, 1; manufacturers of major appliances (electric and non-electric), 2; manufacturers of miscellaneous electrical products, 3; manufacturers of small electrical appliances, 3.

¹¹ Includes: Abrasives manufacturers, 3; asbestos products manufacturers, 2; clay products manufacturers (from imported clays), 4; glass manufacturers, 1; glass products manufacturers, 1; other non-metallic mineral products industries, 2; ready-mix concrete manufacturers, 4; refractories manufacturers, 1; stone products manufacturers, 1.

¹² Includes: Manufacturers of industrial chemicals, 3; manufacturers of mixed fertilizers, 1; manufacturers of pharmaceuticals and medicines, 1; manufacturers of soap and cleaning compounds, 6; manufacturers of toilet preparations, 2; paint and varnish manufacturers, 3.

¹³ Includes: Artificial ice manufacturers, 1; broom, brush and mop industry, 6; jewellery and silverware manufacturers, 5; model and pattern manufacturers, 3; ophthalmic goods manufacturers, 2; orthopedic and surgical appliance manufacturers, 2; other miscellaneous industries, 2; plastic fabricators, n.e.s., 4; sporting goods industry, 3; toys and games industry, 3; venetian blind manufacturers, 1.

¹⁴ Includes: Tobacco and tobacco products, 1; rubber products, 5; boot and shoe findings manufacturers, 3; leather glove factories, 1; miscellaneous leather products manufacturers, 1; shoe factories, 3; hosiery mills, 1; other knitting mills, 4; copper and alloy rolling, casting and extruding; 2; iron foundries, 6; iron and steel mills, 6; metal rolling, casting and extruding, n.e.s., 5; steel pipe and tube mills, 1; boatbuilding and repairs, 1; motor vehicle parts and accessories manufacturers, 2; railroad rolling stock industry, 3; truck body and trailer manufacturers, 1; manufacturers of lubricating oils and greases, 1; other petroleum and coal products industries, 1; motor vehicle manufacturers, 2.

TABLE 70 B. Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Area of Hamilton, by Municipality, 1961

Municipality ¹	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	number			dollars		
Hamilton (city proper)	513	49,886	248,228,632	519,077,145	542,276,542	1,092,499,436
Burlington	61	2,283	8,935,531	21,718,116	17,911,073	39,690,398
Dundas	38	1,077	4,269,176	5,758,843	6,445,375	13,095,323
Stoney Creek	14	137	515,993	789,762	734,200	1,587,903
Waterdown	5	30	82,229	201,396	121,160	324,009
Flamborough East Township	9	443	1,519,720	2,759,786	2,363,708	5,270,296
Flamborough West Township	9	158	679,833	1,364,976	1,709,529	3,383,337
All others ²	28	539	1,898,780	8,161,197	4,949,796	12,749,553
Totals	677	54,553	266,129,894	559,851,203	576,511,383	1,168,600,255

¹ Data for townships exclude those for any incorporated cities, towns and villages located in them and listed separately.

² Includes: Ancaster Township; Beverly Township; Binbrook Township; Glanford Township; Saltfleet Township.

TABLE 71A. Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Area of Windsor, by Industrial Group and Industry, 1961

Industrial group and industry	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	number			dollars		
Food and beverage industries:						
Bakeries	25	384	1,238,323	1,603,674	1,795,316	3,527,510
Soft drink manufacturers	7	97	348,186	604,825	1,317,919	1,967,974
All other industries ¹	26	2,467	11,447,964	36,744,428	48,274,694	84,067,076
Totals	58	2,948	13,034,473	38,952,927	51,387,929	89,562,560
Textile industries:						
Miscellaneous textiles (n.e.s.) industry	3	59	139,274	431,088	252,208	689,277
All other industries ²	4	12	33,798	29,836	35,056	67,072
Totals	7	71	173,072	460,924	287,264	756,349
Clothing industries:						
Totals³	5	228	500,318	856,392	747,991	1,596,427
Wood industries:						
Sash and door and planing mills (excluding hard- wood flooring)	13	60	220,046	334,842	398,574	744,117
All other industries ⁴	4	39	133,903	214,584	271,299	498,602
Totals	17	99	353,949	549,426	669,873	1,242,719
Furniture and fixture industries:						
Household furniture industry	22	64	171,006	285,588	290,890	577,117
Other furniture industries	7	46	192,059	678,219	347,683	1,034,763
Totals	29	110	363,065	963,807	638,573	1,611,880
Printing, publishing and allied industries:						
Printing and bookbinding	24	165	643,619	489,157	1,083,927	1,578,784
All other industries ⁵	12	486	2,642,997	1,819,537	4,630,476	6,481,890
Totals	36	651	3,286,616	2,308,694	5,714,403	8,060,674
Metal fabricating industries (except machinery and transportation equipment industries):						
Hardware, tool and cutlery manufacturers	34	643	3,478,656	1,722,348	5,000,233	6,832,341
Machine shops	9	78	319,763	244,668	407,997	675,818
All other industries ⁶	35	1,890	9,384,338	12,750,116	14,316,313	27,724,997
Totals	78	2,611	13,180,757	14,717,132	19,724,543	35,233,156
Machinery industries (except electrical machinery):						
Totals⁷	12	732	3,539,286	6,256,443	8,184,771	14,524,075
Electrical products industries:						
Totals⁸	9	156	487,178	1,208,390	1,185,742	2,403,431
Non-metallic mineral products industries:						
Totals⁹	10	289	1,352,329	2,654,706	3,094,977	6,050,920

See footnotes at end of table.

TABLE 71 A. Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Area of Windsor, by Industrial Group and Industry, 1961 — Concluded

Industrial group and industry	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	number			dollars		
Chemical and chemical products industry:						
Manufacturers of toilet preparations	3	6	14,997	24,000	44,320	69,920
Paint and varnish manufacturers	7	171	762,443	2,973,533	2,747,356	5,751,824
All other industries ¹⁰	17	344	1,698,125	2,575,930	6,423,513	8,902,452
Totals	27	521	2,475,565	5,573,463	9,215,189	14,724,196
Miscellaneous manufacturing industries:						
Dental laboratories	7	21	74,606	33,180	99,187	134,128
Signs and displays industry	6	21	93,650	69,106	167,346	242,800
All other industries ¹¹	31	547	2,522,773	2,314,773	4,616,491	6,967,010
Totals	44	589	2,691,029	2,417,059	4,883,024	7,343,938
All other major groups¹²:						
Totals	48	13,069	71,675,058	162,251,993	96,583,437	264,605,992
Grand totals, Metropolitan Windsor	380	22,074	113,112,695	239,171,356	202,327,716	447,716,317

¹ Includes: Breakfast cereal manufacturers, 1; breweries, 1; butter and cheese plants, 1; confectionery manufacturers, 1; distilleries, 1; fruit and vegetable canners and preservers, 6; miscellaneous food manufacturers, 4; pasteurizing plants, 5; poultry processors, 1; sausage and sausage casing manufacturers, 2; slaughtering and meat packing plants, 3.

² Includes: Automobile fabric accessory manufacturers, 1; canvas products industry, 1; embroidery, pleating, hemstitching manufacturers, 1; narrow fabric mills, 1.

³ Includes: Children's clothing industry, 2; fabric glove manufacturers, 2; men's clothing factories, 1.

⁴ Includes: Coffin and casket industry, 1; miscellaneous wood industries, 1; wooden box factories, 1; wood handles and turning, 1.

⁵ Includes: Engraving and duplicate plates, 1; lithographing, 6; printing and publishing, 2; publishing only, 1; trade composition or typesetting, 2.

⁶ Includes: Boiler and plate works, 1; fabricated structural metal industry, 1; heating equipment manufacturers, 1; metal stamping, pressing and coating industry, 11; miscellaneous metal fabricating industries, 10; ornamental and architectural metal industry, 8; wire and wire products manufacturers, 3.

⁷ Includes: Miscellaneous machinery and equipment manufacturers, 10; office and store machinery manufacturers, 2.

⁸ Includes: Communications equipment manufacturers, 1; manufacturers of electrical industrial equipment, 6; manufacturers of miscellaneous electrical products, 1; manufacturers of small electrical appliances, 1.

⁹ Includes: Concrete products manufacturers, 2; glass products manufacturers, 3; other non-metallic mineral products industries, 1; ready-mix concrete manufacturers, 3; stone products manufacturers, 1.

¹⁰ Includes: Manufacturers of pharmaceuticals and medicines, 8; manufacturers of soap and cleaning compounds, 4; other chemical industries, n.e.s., 5.

¹¹ Includes: Artificialice manufacturers, 2; button, huckle and fastener industry, 1; instrument and related products manufacturers, 2; jewellery and silverware manufacturers, 3; model and pattern manufacturers, 8; orthopedic and surgical appliance manufacturers, 1; plastic fabricators, n.e.s., 4; smokers' supplies manufacturers, 1; sporting goods industry, 5; stamp and stencil (rubber and metal) manufacturers, 1; toys and games industry, 2; venetian blind manufacturers, 1.

¹² Includes: Rubber products, 2; miscellaneous leather products manufacturers, 1; other knitting mills, 1; folding boxes and set-up boxes manufacturers, 1; other paper converters, 1; copper and alloy rolling, casting and extruding, 1; iron foundries, 5; metal rolling, casting and extruding, n.e.s., 2; boatbuilding and repair, 1; motor vehicle manufacturers, 2; motor vehicle parts and accessories manufacturers, 26; truck body and trailer manufacturers, 5.

TABLE 71 B. Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Area of Windsor, by Municipality, 1961

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	number			dollars		
Windsor (city proper)	282	20,351	105,620,857	222,681,753	187,560,159	417,752,351
Riverside	8	146	581,678	1,776,172	1,020,777	2,831,034
Sandwich East Townships	37	584	2,625,882	4,050,101	5,478,177	9,514,574
All others ¹	53	993	4,084,278	10,663,330	6,268,603	17,618,358
Totals	380	22,074	113,112,695	239,171,356	202,327,716	447,716,317

¹ Includes: St. Clair Beach; Tecumseh; Sandwich South Township; Sandwich West Township.

TABLE 72 A. Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Area of Winnipeg, by Industrial Group and Industry, 1961

Industrial group and industry	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	number		dollars			
Food and beverage industries:						
Bakeries	64	1,150	4,345,218	5,297,229	7,213,775	12,841,686
Breweries	6	623	2,984,053	3,165,854	11,835,337	15,123,299
Confectionery manufacturers	10	278	712,154	2,052,732	1,389,377	3,442,425
Feed manufacturers	15	188	758,352	8,386,321	2,077,149	10,525,040
Fruit and vegetable canners and preservers	6	49	143,411	642,401	187,800	817,141
Miscellaneous food manufacturers	16	502	2,012,431	13,116,167	5,840,618	19,542,979
Pasteurizing plants	9	880	3,586,054	12,134,387	5,508,733	17,950,951
Poultry processors	9	218	480,073	2,706,071	1,347,311	3,983,796
Sausage and sausage casing manufacturers	6	198	734,799	3,279,656	1,218,782	4,559,094
Slaughtering and meat packing plants	10	2,663	12,674,685	101,677,853	17,212,568	119,074,143
Soft drink manufacturers	10	286	1,114,097	2,334,923	4,080,919	6,571,478
All other industries ¹	20	1,068	3,905,079	27,091,355	10,732,682	39,332,138
Totals	181	8,103	33,450,406	181,864,949	68,645,011	253,764,170
Leather industries:						
Leather glove factories	7	236	550,130	972,201	789,730	1,760,538
All other industries ²	10	301	915,081	2,573,834	1,207,169	3,803,986
Totals	17	537	1,465,211	3,546,035	1,996,899	5,564,524
Textile industries:						
Canvas products industry	6	86	187,114	323,889	285,440	816,592
Miscellaneous textiles (n.e.s.) industry	14	125	349,674	934,368	530,129	1,463,177
All other industries ³	11	350	1,074,284	5,836,090	2,112,245	8,007,921
Totals	31	541	1,611,072	7,094,347	2,927,814	10,087,690
Clothing industries:						
Fur goods industry	35	436	1,410,926	3,037,457	2,032,020	5,028,533
Hat and cap industry	11	283	722,451	647,866	1,071,899	1,762,260
Men's clothing factories	49	2,698	8,687,550	14,196,697	9,375,937	23,418,225
Women's clothing factories	23	1,603	4,726,685	8,757,500	6,792,847	15,606,156
All other industries ⁴	8	357	881,604	1,478,972	1,406,839	2,852,480
Totals	126	5,377	14,409,216	28,118,492	20,679,542	48,665,634
Wood industries:						
Sash and door and planing mills (excluding hard- wood flooring)	22	498	1,708,079	2,058,444	2,411,862	4,505,934
All other industries ⁵	9	230	700,138	1,067,454	1,322,297	2,447,391
Totals	31	728	2,408,217	3,125,898	3,733,959	6,953,325
Furniture and fixture industries:						
Household furniture industry	81	1,042	3,668,459	8,381,760	5,678,382	12,127,791
Other furniture industries	19	733	2,455,784	4,818,278	3,838,603	8,751,218
All other industries ⁶	3	11	34,263	48,980	88,738	138,941
Totals	103	1,786	6,158,506	11,229,016	9,603,721	21,017,950
Paper and allied industries:						
Corrugated boxes manufacturers	3	230	943,497	3,484,417	2,050,101	5,552,312
Folding boxes and set-up boxes manufacturers	5	247	933,309	2,809,221	1,639,127	4,502,005
All other industries ⁷	13	663	2,515,790	7,448,945	7,580,948	15,084,730
Totals	21	1,140	4,392,596	13,722,583	11,270,176	25,139,047

See footnotes at end of table

TABLE 72A. Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Area of Winnipeg, by Industrial Group and Industry, 1961 - Continued

Industrial group and industry	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	number			dollars		
Printing, publishing and allied industries:						
Engraving and duplicate plates	8	168	740,177	223,505	1,009,287	1,243,395
Lithographing	8	232	1,002,478	807,511	1,455,595	2,293,630
Printing and bookbinding	77	1,433	5,978,169	4,887,905	9,875,800	14,828,667
Printing and publishing	23	1,463	5,855,622	4,432,528	11,377,793	15,921,689
Publishing only	18	139	536,737	1,187,729	1,613,511	2,807,827
Trade composition or typesetting	4	17	56,595	15,131	88,511	104,810
Totals	138	3,432	14,169,778	11,554,309	25,420,497	37,200,018
Primary metals industries:						
Totals⁹	9	504	2,162,702	2,681,363	4,441,392	7,006,124
Metal fabricating industries (except machinery and transportation equipment):						
Machine shops	34	375	1,643,379	1,802,033	2,244,764	4,133,693
Metal stamping, pressing and coating industry	26	1,008	4,226,267	6,403,558	6,879,946	13,161,113
Miscellaneous metal fabricating industries	9	499	2,298,929	4,231,162	4,261,303	8,616,972
Ornamental and architectural metal industry	15	231	910,075	1,311,762	1,627,664	3,038,737
All other industries ⁸	16	1,048	4,841,401	6,427,742	6,695,642	13,075,066
Totals	100	3,181	13,920,051	20,176,257	21,709,321	42,025,581
Machinery industries (except electrical machinery):						
Agricultural implement industry	10	442	1,512,030	4,779,968	3,262,595	7,825,559
All other industries ¹⁰	15	549	2,372,052	2,776,342	3,948,158	6,758,702
Totals	25	991	3,884,082	7,556,310	7,210,753	14,584,261
Transportation equipment industries:						
Truck body and trailer manufacturers	6	116	366,496	473,386	535,823	1,001,216
All other industries ¹¹	17	5,020	21,140,362	24,999,527	27,118,496	52,810,124
Totals	23	5,136	21,526,858	25,472,913	27,654,319	53,811,340
Electrical products industries:						
Manufacturers of miscellaneous electrical products ..	8	247	796,397	1,739,600	1,287,760	3,060,491
All other industries ¹²	10	509	1,973,596	4,844,609	4,624,670	9,529,806
Totals	18	756	2,769,993	6,584,209	5,912,430	12,590,297
Non-metallic mineral products industries:						
Glass products manufacturers	6	81	282,244	661,521	477,336	1,143,109
All other industries ¹³	25	1,075	4,642,822	7,367,649	13,210,061	22,201,942
Totals	31	1,156	4,925,066	8,029,170	13,687,397	23,345,051
Chemical and chemical products industries:						
Manufacturers of industrial chemicals	3	66	277,851	316,234	1,048,039	1,384,780
Other chemical industries, n.e.s.	9	81	267,956	2,930,264	1,433,156	4,154,634
Paint and varnish manufacturers	6	312	1,112,557	4,017,620	3,595,178	7,562,644
All other industries ¹⁴	13	206	791,186	1,290,581	2,101,043	3,460,325
Totals	31	667	2,449,550	8,554,699	8,177,416	16,582,383

See footnotes at end of table.

TABLE 72 A. Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Area of Winnipeg, by Industrial Group and Industry, 1961 - Concluded

Industrial group and industry	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	number				dollars	
Miscellaneous manufacturing industries:						
Dental laboratories	27	131	510,509	167,363	698,764	873,712
Signs and displays industry	8	159	320,709	495,443	872,821	1,374,442
Stamp and stencil (rubber and metal) manufacturers ..	5	17	63,830	12,700	101,803	115,254
Statuary, art goods, regalia and novelty manu- facturers	6	67	160,450	82,058	339,095	423,829
All other industries ¹³	48	672	2,054,307	4,276,613	3,885,629	8,172,255
Totals	94	1,046	3,409,805	5,034,177	5,898,132	10,959,492
All other major groups:						
Totals¹⁴	10	493	2,547,964	33,274,055	12,480,887	45,708,698
Grand totals, Metropolitan Winnipeg	989	35,574	135,661,073	377,618,784	251,458,666	635,005,585

¹ Includes: Animal oils and fats plants, 1; biscuit manufacturers, 3; breakfast cereal manufacturers, 4; butter and cheese plants, 3; flour mills, 3; ice cream manufacturers, 2; macaroni manufacturers, 2; sugar refineries, 1; vegetable oil mills, 1.

² Includes: Leather tanneries, 1; miscellaneous leather products manufacturers, 4; shoe factories, 5.

³ Includes: Automobile fabric accessory manufacturers, 3; carpet, mat and rug industry, 2; cotton and jute bag industry, 3; embroidery, pleating, hem-stitching manufacturers, 3.

⁴ Includes: Children's clothing industry, 6; miscellaneous clothing (n.e.s.) industry, 2.

⁵ Includes: Coffin and casket industry, 2; miscellaneous wood industries, n.e.s., 3; wooden box factories, 3; woodenware, 1.

⁶ Includes: Electric lamp and shade industry, 2; office furniture industry, 1.

⁷ Includes: Asphalt roofing manufacturers, 2; other paper converters, 7; paper bag manufacturers, 2; pulp and paper mills, 2.

⁸ Includes: Copper and alloy rolling, casting and extruding, 1; iron foundries, 4; iron and steel mills (head office); metal rolling, casting and extrud-
ing, n.e.s., 4.

⁹ Includes: Fabricated structural metal industry, 5; hardware, tool and cutlery manufacturers, 2; heating equipment manufacturers, 6; wire and wire
products manufacturers, 3.

¹⁰ Includes: Commercial refrigeration and air conditioning manufacturers, 3; miscellaneous machinery and equipment manufacturers, 12.

¹¹ Includes: Aircraft and parts industry, 3; boatbuilding and repair, 3; motor vehicle manufacturers, 2; motor vehicle parts and accessories manu-
facturers, 4; railroad rolling stock industry, 5.

¹² Includes: Battery manufacturers, 3; manufacturers of electric wire and cable, 2; manufacturers of electrical industrial equipment, 1; manu-
facturers of small electrical appliances, 4.

¹³ Includes: Cement manufacturers, 1; clay products manufacturers (from domestic clays), 1; clay products manufacturers (from imported clays), 1;
concrete products manufacturers, 10; gypsum products manufacturers, 2; other non-metallic mineral products industries, 3; ready-mix concrete manu-
facturers, 2; stone products manufacturers, 5.

¹⁴ Includes: Explosives and ammunition manufacturers (head office); manufacturers of mixed fertilizers, 1; manufacturers of pharmaceuticals and me-
dicines, 4; manufacturers of printing inks, 2; manufacturers of soap and cleaning compound, 6.

¹⁵ Includes: Artificial flowers and feathers manufacturers, 1; broom, brush and mop industry, 6; candle manufacturers, 1; clock and watch manu-
facturers, 3; fur dressing and dyeing industry, 2; hair goods manufacturers, 1; instrument and related products manufacturers, 2; jewellery and silverware manu-
facturers, 4; model and pattern manufacturers, 1; ophthalmic goods manufacturers, 2; orthopedic and surgical appliance manufacturers, 4; plastic fabricators
n.e.s., 11; musical instruments and sound recording industry, 1; sporting goods industry, 2; toys and games industry, 2; venetian blind manufacturers, 5.

¹⁶ Includes: Rubber products, 2; other knitting mills, 2; manufacturers of lubricating oils and greases, 1; other petroleum and coal products
industries, 3; petroleum refining, 2.

TABLE 72 B. Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Area of Winnipeg, by Municipality, 1961

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	number				dollars	
Winnipeg (City proper)	736	23,694	86,394,635	170,087,223	153,950,695	326,881,838
East Kildonan	22	522	1,748,173	4,798,670	4,107,488	8,960,403
St-Boniface	83	4,699	20,322,818	135,629,042	35,706,031	171,670,975
St-James	89	2,838	10,818,017	21,635,789	21,521,223	42,983,135
St-Vital	10	60	232,886	192,053	399,645	601,837
All others ¹	69	3,761	18,144,744	45,276,007	35,773,584	83,907,397
Totals	989	35,574	135,661,073	377,618,784	251,458,666	635,005,585

¹ Includes: Brooklands; Transcona; West Kildonan; Assiniboia Municipality; Charleswood Municipality; East St-Paul Municipality; Fort Garry Muni-
cipality; Old Kildonan Municipality; West St-Paul Municipality

TABLE 73 A. Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Area of Vancouver, by Industrial Group and Industry, 1961

Industrial group and industry	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	number			dollars		
Food and beverage industries:						
Bakeries	154	1,850	7,064,253	8,023,428	11,006,239	19,494,325
Breweries	4	430	2,220,912	3,885,492	15,335,908	19,371,080
Confectionery manufacturers	21	279	797,625	1,565,367	1,382,146	3,005,952
Feed manufacturers	14	418	1,791,663	13,738,772	4,365,705	18,376,294
Fish products industry	25	1,466	5,782,817	25,664,541	16,220,894	37,391,812
Fruit and vegetable canners and preservers	19	815	2,581,239	12,149,511	6,020,716	18,310,245
Miscellaneous food manufacturers	31	772	2,965,845	32,887,289	10,270,685	43,055,436
Pasteurizing plants	12	1,396	6,366,749	20,823,792	8,180,594	29,502,933
Poultry processors	17	361	1,015,673	8,451,810	1,704,128	10,013,482
Sausage and sausage casing manufacturers	7	104	472,425	1,737,822	1,041,856	2,760,730
Slaughtering and meat packing plants	13	1,417	7,088,819	48,232,106	10,725,975	59,074,785
Soft drink manufacturers	6	207	899,297	1,466,435	3,484,728	5,051,953
All other industries ¹	18	988	4,754,070	16,661,543	13,443,101	31,161,516
Totals	341	10,503	43,801,387	195,287,908	103,182,675	296,590,525
Leather industries:						
Totals²	15	238	704,114	994,996	1,123,421	2,135,212
Textile industries:						
Miscellaneous textiles (n.e.s.) industry	10	134	474,034	896,047	790,844	1,690,472
All other industries ³	23	568	1,955,408	3,625,317	3,090,856	6,742,181
Totals	33	702	2,429,442	4,521,364	3,881,700	8,432,653
Clothing industries:						
Fur goods industry	9	46	155,338	170,286	198,671	382,009
Men's clothing factories	15	745	2,123,272	3,441,136	3,146,337	6,682,234
Women's clothing factories	21	660	1,764,322	2,747,921	2,625,707	5,407,252
All other industries ⁴	4	28	53,233	12,563	80,062	94,243
Totals	49	1,479	4,096,165	6,371,906	6,050,777	12,565,738
Wood industries:						
Coffin and casket industry	5	76	264,238	403,446	388,801	799,090
Miscellaneous wood industries, n.e.s.	15	301	1,416,067	5,258,935	2,138,920	7,469,299
Sash and door and planing mills (excluding hard- wood flooring)	68	1,253	5,619,697	11,031,989	9,184,146	20,314,319
Sawmills	47	6,951	33,790,021	72,505,452	40,512,433	113,990,447
Shingle mills	16	917	4,194,060	5,855,356	5,354,650	11,410,381
Veneer and plywood mills	12	4,270	19,115,602	35,916,509	24,535,269	62,708,382
Wooden box factories	14	68	224,445	299,346	327,155	647,693
All other industries ⁵	7	98	431,726	684,527	659,423	1,366,650
Totals	164	13,934	65,055,856	131,955,562	83,100,797	218,706,261
Furniture and fixture industries:						
Household furniture industry	121	1,164	4,213,249	6,699,740	6,603,389	13,387,809
Other furniture industries	33	483	1,939,237	3,336,272	3,236,354	6,630,751
All other industries ⁶	7	143	557,405	564,157	624,084	1,191,560
Totals	161	1,790	6,709,891	10,600,169	10,463,827	21,210,120
Paper and allied industries:						
Folding boxes and set-up boxes manufacturers	5	283	1,334,657	3,207,400	2,424,325	5,664,834
Other paper converters	14	200	726,651	1,901,332	1,277,874	3,219,323
All other industries ⁷	12	3,147	16,777,116	25,846,982	20,048,204	47,159,055
Totals	31	3,630	18,838,424	30,955,714	23,750,403	56,043,212

See footnotes at end of table.

TABLE 73 A. Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Area of Vancouver, by Industrial Group and Industry, 1961 — Continued

Industrial group and industry	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	number			dollars		
Printing, publishing and allied industries:						
Engraving and duplicate plates	13	155	779,826	215,691	1,129,533	1,360,187
Lithographing	20	531	2,713,477	3,033,688	4,125,685	7,208,296
Printing, bookbinding and publishing	110	2,447	12,617,041	7,487,490	22,922,946	30,647,115
Publishing only	35	153	565,581	1,251,592	3,146,402	4,397,994
Trade composition or typesetting	4	27	145,158	7,137	215,889	226,897
Totals	182	3,313	16,821,083	11,995,598	31,540,435	43,840,289
Primary metal industries:						
Iron foundries	8	338	1,604,595	828,445	2,389,065	3,214,722
Metal rolling, casting and extruding, n.e.s.	5	108	497,416	1,393,512	1,383,014	2,648,159
All other industries ^a	20	1,083	5,682,812	21,494,037	8,271,517	30,597,926
Totals	33	1,529	7,784,823	23,715,994	12,023,596	36,460,807
Metal fabricating industries (except machinery and transportation equipment industries):						
Boiler and plate works	8	141	732,477	771,461	985,394	1,766,751
Machine shops	57	622	2,699,449	2,432,141	4,141,646	6,665,865
Miscellaneous metal fabricating industries	33	398	1,932,558	3,205,035	2,837,592	6,492,521
Ornamental and architectural metal industry	45	407	1,821,390	2,311,576	3,355,637	5,604,079
Wire and wire products manufacturers	21	587	2,584,601	5,023,504	5,846,608	10,801,658
All other industries ^a	68	2,245	11,248,409	23,545,103	21,520,312	46,572,035
Totals	232	4,400	21,218,884	37,288,820	38,697,189	77,902,909
Machinery industries (except electrical machinery):						
Totals¹⁰	41	1,481	7,316,139	6,649,158	11,656,439	18,864,421
Transportation equipment industries:						
Boatbuilding and repair	44	220	792,487	860,932	1,125,556	1,945,441
Truck body and trailer manufacturers	14	227	1,019,983	2,080,367	1,545,113	3,646,437
All other industries ¹¹	25	2,228	11,408,412	9,722,448	21,861,220	31,491,287
Totals	83	2,675	13,220,882	12,663,747	24,331,889	37,083,165
Electrical products industries:						
Manufacturers of electrical industrial equipment	6	215	1,002,874	1,900,547	1,428,102	3,490,132
All other industries ¹²	25	807	3,569,409	7,202,358	6,880,027	13,887,220
Totals	31	1,022	4,572,283	9,102,905	8,308,129	17,357,352
Non-metallic mineral products industries:						
Asbestos products manufacturers	3	35	144,713	175,675	210,538	412,262
Concrete products manufacturers	15	258	1,239,226	1,751,411	2,809,725	4,429,990
Ready-mix concrete manufacturers	6	309	1,783,341	3,639,068	2,373,890	6,299,841
Stone products manufacturers	9	42	171,521	132,735	254,615	397,126
All other industries ¹³	19	515	2,604,736	3,354,318	6,061,451	10,278,211
Totals	52	1,159	5,943,537	9,053,207	11,710,219	21,817,450
Chemical and chemical products industries:						
Manufacturers of plastics and synthetic resins	3	66	343,621	3,991,130	1,987,834	6,013,385
Manufacturers of pharmaceuticals and medicines	8	60	212,890	227,500	424,303	657,226
Manufacturers of printing inks	5	43	183,970	381,658	567,558	938,316
Other chemical industries	27	144	547,735	1,466,799	1,455,174	2,941,964
Paint and varnish manufacturers	16	315	1,458,418	4,230,699	5,008,903	9,019,537
All other industries ¹⁴	22	416	1,921,798	3,968,423	6,236,372	11,362,292
Totals	81	1,044	4,678,432	14,266,209	15,880,144	30,932,722

See footnotes at end of table.

TABLE 73 A. Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Area of Vancouver, by Industrial Group and Industry, 1961 - Concluded

Industrial group and industry	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	number				dollars	
Miscellaneous manufacturing industries:						
Dental laboratories	62	184	844,757	294,110	1,079,900	1,387,071
Instrument and related products manufacturers	3	6	34,589	14,325	72,267	87,689
Jewellery and silverware manufacturers	12	128	472,315	307,639	703,712	993,864
Model and pattern manufacturers	6	26	130,597	21,371	181,124	202,328
Orthopedic and surgical appliance manufacturers	7	20	81,538	45,588	115,372	163,394
Plastic fabricators, n.e.s.	22	213	797,404	2,082,659	1,455,592	3,513,057
Signs and displays industry	28	439	2,242,998	1,329,502	3,253,015	4,549,126
Sporting goods industry	10	63	185,397	259,189	354,677	604,682
Stamp and stencil (rubber and metal) manufacturers	8	61	252,684	107,280	296,639	410,421
All other industries ¹⁵	25	152	468,388	549,067	740,972	1,308,019
Totals	183	1,292	5,510,667	5,010,730	8,253,270	13,219,651
All other major groups ¹⁶ :						
Totals	15	1,180	6,180,468	48,965,283	18,660,902	67,192,700
Grand totals, Metropolitan Vancouver	1,747	51,371	234,882,479	559,399,270	410,415,832	980,355,187

¹ Includes: Animal oils and fats plants, 1; biscuit manufacturers, 2; breakfast cereal manufacturers, 2; butter and cheese plants, 1; distilleries, 2; flour mills, 1; ice cream manufacturers, 4; macaroni manufacturers, 2; sugar refineries, 1; wineries, 2.

² Includes: Leather glove factories, 4; leather tanneries, 2; miscellaneous leather products manufacturers, 4; shoe factories, 5.

³ Includes: Automobile fabric accessory manufacturers, 2; canvas products industry, 6; cordage and twine industry, 5; cotton and jute bag industry, 1; embroidery, pleating, hemstitching manufacturers, 2; fibre preparing mills, 3; pressed and punched felt mills, 1; textile dyeing and finishing plants, 1; wool cloth mills, 2.

⁴ Includes: Hat and cap industry, 2; miscellaneous clothing (n.e.s.) industry, 1; women's clothing contractors, 1.

⁵ Includes: Cooperage, 1; wood handles and turning, 2; woodenware, 4.

⁶ Includes: Electric lamp and shade industry, 4; office furniture industry, 3.

⁷ Includes: Asphalt roofing manufacturers, 2; corrugated boxes manufacturers, 2; paper bag manufacturers, 5; pulp and paper mills, 3.

⁸ Includes: Aluminum rolling, casting and extruding, 5; copper and alloy rolling, casting and extruding, 9; iron and steel mills, 5; steel pipe and tube mills, 1.

⁹ Includes: Fabricated structural metal industry, 5; hardware, tool and cutlery manufacturers, 12; heating equipment manufacturers, 8; metal stamping, pressing and coating industry, 43.

¹⁰ Includes: Commercial refrigeration and air conditioning equipment manufacturers, 2; miscellaneous machinery and equipment manufacturers, 39.

¹¹ Includes: Aircraft and parts manufacturers, 5; motor vehicle manufacturers, 3; motor vehicle parts and accessory manufacturers, 4; railroad rolling stock industry, 1; shipbuilding and repair, 12.

¹² Includes: Battery manufacturers, 3; communications equipment manufacturers, 8; manufacturers of electric wire and cable, 2; manufacturers of household radio and television receivers, 1; manufacturers of major appliances (electric and non-electric), 1; manufacturers of miscellaneous electrical products, 7; manufacturers of small electrical appliances, 3.

¹³ Includes: Abrasives manufacturers, 1; cement manufacturers, 1; clay products manufacturers (from domestic clays), 1; clay products manufacturers (from imported clays), 3; glass products manufacturers, 5; gypsum products manufacturers, 2; lime manufacturers, 1; mineral wool manufacturers, 1; other non-metallic mineral products industries, 2; refractories manufacturers, 2.

¹⁴ Includes: Explosives and ammunition manufacturers (head office); manufacturers of industrial chemicals, 8; manufacturers of mixed fertilizers, 2; manufacturers of soap and cleaning compounds, 11; manufacturers of toilet preparations, 1.

¹⁵ Includes: Broom, brush and mop industry, 6; fur dressing and dyeing industry, 1; hair goods manufacturers, 2; musical instruments and sound recording industry, 1; other miscellaneous industries, 1; smokers' supplies manufacturers, 1; statuary, art goods, regalia and novelty manufacturers, 3; toys and games industry, 1; typewriter supplies manufacturers, 1; umbrella manufacturers, 3; venetian blind manufacturers, 5.

¹⁶ Includes: Rubber products, 6; other knitting mills, 3; manufacturers of lubricating oils and greases, 1; other petroleum and coal products industries, 2; petroleum refining, 3.

TABLE 73 B. Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Area of Vancouver, by Municipality, 1961

Municipality ¹	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	number				dollars	
Vancouver (city proper)	1,143	30,989	141,169,361	277,891,062	226,443,221	509,665,553
New Westminster	97	5,328	24,440,919	53,579,335	46,200,714	101,383,744
North Vancouver	71	2,025	9,994,933	14,256,603	20,760,741	36,562,451
Port Coquitlam	12	206	991,453	1,326,487	1,845,236	3,036,630
Port Moody	7	674	3,460,424	20,232,405	7,827,580	28,652,902
Burnaby District Municipality	166	4,342	20,500,108	84,393,620	44,294,250	130,171,358
Richmond District Municipality	86	3,528	15,730,161	50,512,270	34,135,511	84,529,663
Surrey District Municipality	92	1,526	5,965,314	20,284,508	10,938,504	31,411,886
West Vancouver District Municipality	18	171	515,877	966,767	1,403,006	2,321,538
All others ²	55	2,582	12,113,929	35,956,213	16,567,069	52,619,462
Totals	1,747	51,371	234,882,479	559,399,270	410,415,832	980,355,187

¹ Data for district municipalities exclude those for any incorporated cities, towns and villages located in them and listed separately.

² Includes: Coquitlam District Municipality; Delta District Municipality; Fraser Mills District Municipality; North Vancouver District Municipality; University Endowment Area; Unorganized and Indian Reserves; White Rock.

TABLE 74. Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, classified by the Number of Employees per Establishment, 1961

Metropolitan area, by size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Montreal Metropolitan Area:						
Under 5 employees	1,416	3,306	10,156,587	466,136	24,308,497	44,911,099
5-14 "	1,424	12,242	39,908,664	1,575,046	96,029,512	174,361,950
15-49 "	1,308	35,821	116,560,340	4,590,602	262,675,511	488,779,287
50-99 "	478	33,123	110,132,431	5,058,076	271,001,384	502,180,497
100-199 "	226	31,015	108,899,149	4,896,964	271,353,820	506,195,737
200-499 "	149	46,080	183,959,827	13,234,628	587,456,463	989,112,029
500-999 "	38	27,126	124,140,675	7,729,276	391,458,653	695,540,404
1,000-1,499 "	9	10,645	52,786,941	3,136,986	229,149,429	305,997,513
1,500 employees and over	12	38,105	193,603,410	4,067,812	253,754,126	524,783,502
Head offices ¹	—	7,105	45,662,016	—	—	—
Totals	5,060	244,568	985,810,040	44,755,526	2,367,787,395	4,231,862,018
Toronto Metropolitan Area:						
Under 5 employees	1,318	3,186	10,127,810	539,432	17,777,906	37,897,454
5-14 "	1,437	12,315	44,816,283	2,051,461	79,206,003	163,873,754
15-49 "	1,326	36,338	140,328,729	6,463,501	298,326,111	577,614,045
50-99 "	462	31,734	125,209,276	6,920,498	315,455,856	587,645,979
100-199 "	252	35,343	144,488,922	7,352,316	333,773,372	635,947,246
200-499 "	140	43,949	196,543,874	11,688,153	432,071,190	649,755,818
500-999 "	35	24,417	117,355,306	6,184,735	239,956,249	488,433,569
1,000-1,499 "	9	11,384	56,279,261	2,185,411	110,759,919	201,932,676
1,500 employees and over	9	23,511	125,349,880	3,968,219	400,606,201	629,241,885
Head offices ¹	—	5,443	39,137,723	—	—	—
Totals	4,988	227,620	999,637,066	47,353,726	2,227,932,807	4,172,342,426
Hamilton Metropolitan Area:						
Under 5 employees	227	588	1,805,029	139,007	2,980,581	6,327,673
5-14 "	173	1,674	6,178,789	354,618	9,898,152	20,701,872
15-49 "	131	3,765	14,871,511	1,545,179	31,334,766	60,769,804
50-99 "	60	4,182	17,505,063	2,859,336	48,917,945	92,384,281
100-199 "	40	5,784	23,211,081	1,296,880	60,258,546	103,944,246
200-499 "	32	9,914	44,552,627	2,441,128	82,494,027	171,397,595
500-1,499 "	10	8,383	44,161,154	2,923,419	123,707,024	241,274,878
1,500 employees and over	4	19,922	112,214,443	15,006,183	190,260,162	471,799,906
Head offices ¹	—	341	1,630,197	—	—	—
Totals	677	54,553	266,129,894	26,565,750	559,851,203	1,168,600,255
Windsor Metropolitan Area:						
Under 5 employees	158	388	1,184,386	68,873	1,821,106	4,246,064
5-14 "	90	832	3,108,649	209,487	4,861,939	11,843,233
15-49 "	79	2,035	7,958,216	511,918	13,862,996	29,124,121
50-99 "	20	1,321	6,219,034	409,728	10,259,640	26,250,354
100-199 "	17	2,423	11,027,722	594,566	28,764,391	54,026,909
200-999 "	13	4,685	24,031,428	1,273,894	46,613,175	86,230,123
1,000 employees and over	3	10,390	59,583,260	3,051,565	132,888,109	235,995,493
Totals	380	22,074	113,112,695	6,120,021	239,171,356	447,718,317
Winnipeg Metropolitan Area:						
Under 5 employees	316	752	2,204,221	138,300	3,803,234	8,181,261
5-14 "	249	2,113	7,042,303	390,639	15,752,617	29,669,082
15-49 "	249	6,947	23,927,682	1,332,023	60,756,619	107,869,521
50-99 "	102	7,284	25,693,996	1,465,680	58,285,756	110,623,333
100-199 "	43	5,834	22,759,591	1,661,454	87,695,260	144,391,135
200-499 "	21	5,673	23,142,871	2,288,930	36,445,336	80,913,127
500-999 "	4	2,653	11,715,869	422,849	51,269,430	87,416,729
1,000 employees and over	3	4,211	18,603,209	727,991	63,610,532	85,941,397
Head offices ¹	—	107	571,331	—	—	—
Totals	989	35,574	135,661,073	8,427,866	377,618,784	633,005,585
Vancouver Metropolitan Area:						
Under 5 employees	888	1,580	4,920,652	300,119	7,413,162	16,251,506
5-14 "	508	4,231	16,082,261	998,337	26,729,064	55,809,667
15-49 "	336	8,863	37,101,888	2,724,004	89,460,562	164,684,521
50-99 "	109	7,500	32,385,195	1,820,275	70,580,606	133,610,478
100-199 "	61	8,372	38,500,305	4,436,525	135,084,565	228,000,097
200-499 "	33	9,876	48,610,250	3,074,830	149,437,521	232,814,699
500 employees and over	12	9,027	44,694,442	1,956,274	60,693,790	151,184,219
Head offices ¹	—	1,922	12,587,506	—	—	—
Totals	1,747	51,371	234,882,479	15,310,164	559,389,270	900,355,187

¹ Under this heading are included only those head offices that are not located at the plant.

APPENDIX I

INDUSTRY DIVISION PUBLICATIONS ON THE MANUFACTURING INDUSTRIES

The results of the annual Census of Manufactures are published by the Industry Division, Dominion Bureau of Statistics, in a series of industry and general reports which are released each year as compilations are completed. In addition, a large number of quarterly and monthly reports are published on specific aspects (e.g. production, shipments and inventories) of individual industries and commodities. Both types of reports are included in the list below which is arranged by general reviews and the 20 industrial groups of the manufacturing industries. A complete catalogue of DBS publications is available on request from the Information and Public Relations Division, Dominion Bureau of Statistics, or from the Queen's Printer, Ottawa.

A - Annual

B - Bilingual

M - Monthly

Q - Quarterly

Catalogue number	Title	Price
GENERAL REVIEWS		
31-201	General Review of the Manufacturing Industries of Canada (A) (B) ¹	\$2.00
	Manufacturing Industries of Canada:	
31-203	Summary for Canada (A) (B) ¹ .....	.75
31-204	Atlantic Provinces (A) (B) ¹ .....	.75
31-205	Province of Quebec (A) (B) .....	.75
31-206	Province of Ontario (A) (B) ¹ .....	.50
31-207	Prairie Provinces (A) (B) ¹ .....	.75
31-208	Province of British Columbia, including Yukon and Northwest Territories (A) (B) ¹ .....	.50
31-209	The Manufacturing Industries of Canada, Geographical Distribution (A) (B) ¹	1.50
31-210	Type of Ownership and Size of Establishment Engaged in Manufacturing in Canada (A) (B) ¹ .....	.75
31-211	Products Shipped by Canadian Manufacturers (A) .....	.75
31-001	Inventories, Shipments and Orders in Manufacturing Industries (M)	per year 3.00

1. FOOD AND BEVERAGE INDUSTRIES

Bakery Products

32-015	Bread and Other Bakery Products (Q) (B)	per year 1.00
32-016	Biscuits and Confectionery (Q)	per year 1.00
32-202	Biscuit Manufacturers (A) .....	.50
32-203	Bakeries (A) .....	.50

Beverages

32-001	Monthly Production of Soft Drinks (M)	per year 1.00
32-005	Breweries (A) .....	.50
32-006	Distilleries (A) .....	.50
32-007	Wineries (A) .....	.50
32-008	Soft Drink Manufacturers (A) .....	.50

Canning and Preserving

32-010	Stocks of Fruit and Vegetables (M)	per year 2.00
32-011	Stocks of Canned Foods (M)	per year 2.00
32-017	Fruit and Vegetable Preparations (Q)	per year 1.00
32-211	Canned Foods Summary (A) .....	.50
32-212	Canned and Frozen Processed Foods (A) .....	.25
32-216	Fish Products Industry (A) .....	.50
32-218	Fruit and Vegetable Canners and Preservers (A) .....	.50

Dairy Products

32-209	Dairy Products Industries (A) (B) .....	.75
32-210	Process Cheese Manufacturers (A) (B) .....	.50

¹ Bilingual beginning with 1962 issue.

APPENDIX I—Continued

Catalogue number	Title	Price
1. FOOD AND BEVERAGE INDUSTRIES—Concluded		
Grain Mill Products		
32-004	Shipments of Prepared Stock and Poultry Feeds (M)	per year \$3.00
32-204	Breakfast Cereal Manufacturers (A) .....	.50
32-214	Feed Manufacturers (A) .....	.50
32-215	Flour Mills (A) .....	.50
Meat Products		
32-221	Slaughtering and Meat Processors (A) .....	.50
32-227	Poultry Processors (A) .....	.50
Other Food Industries		
32-005	Margarine Statistics (M)	per year 1.00
32-006	Oils and Fats (M)	per year 1.00
32-018	Miscellaneous Food Preparations (Q)	per year 1.00
32-213	Confectionery Manufacturers (A) .....	.50
32-219	Macaroni Manufacturers (A) .....	.50
32-222	Sugar Refineries (A) .....	.50
32-223	Vegetable Oil Mills (A) .....	.50
32-224	Miscellaneous Food Industries (A) .....	.50
2. TOBACCO PRODUCTS INDUSTRIES		
32-014	Quarterly Stocks and Consumption of Unmanufactured Tobacco (Q)	per year 2.00
32-225	Tobacco Products Industries (A) .....	.50
3. RUBBER INDUSTRIES		
33-003	Consumption, Production and Inventories of Rubber (M)	per year 2.00
33-206	Rubber Industries (A) .....	.50
4. LEATHER INDUSTRIES		
33-001	Raw Hides, Skins and Finished Leather (M)	per year 1.00
33-002	Production of Leather Footwear (M) (B)	per year 2.00
33-202	Leather Tanneries (A) .....	.50
33-203	Shoe Factories and Boot and Shoe Findings Manufacturers (A) .....	.50
33-204	Leather Glove Factories (A) .....	.50
33-205	Miscellaneous Leather Products Manufacturers (A) .....	.50
5. TEXTILE INDUSTRIES		
34-202	Canvas Products Industry (A) .....	.50
34-203	Cordage & Twine Industry (A) .....	.50
34-204	Cotton and Jute Bag Industry (A) .....	.50
34-205	Cotton Yarn and Cloth Mills (A) .....	.50
34-206	Textile Dyeing and Finishing Plants (A) .....	.50
34-207	Narrow Fabric Mills (A) .....	.50
34-208	Synthetic Textile Mills (A) .....	.50
34-209	Wool Mills (A) .....	.50
34-210	Miscellaneous Textile Industries (A) .....	.50
34-219	Fibre Preparing Mills (A) .....	.50
34-220	Thread Mills (A) .....	.50
34-221	Carpet, Mat and Rug Industry (A) .....	.50

APPENDIX I - Continued

Catalogue number	Title	Price
6. KNITTING MILLS		
34-215	Hosiery and Knitting Mills (A)	\$.50
7. CLOTHING INDUSTRIES		
34-001	Garment Production (Q) per year	1.00
34-212	Foundation Garment Industry (A) .....	.50
34-213	Fur Goods Industry (A) .....	.50
34-214	Hat and Cap Industry (A) .....	.50
34-216	Men's Clothing Industry (A) .....	.50
34-217	Women's and Children's Clothing Industries (A) .....	.75
34-218	Miscellaneous Clothing Industries (A) .....	.50
8. WOOD INDUSTRIES		
25-201	Logging (A) (B) .....	.50
35-203	Hardwood Flooring Industry (A) (B) .....	.50
35-204	Sawmills (A) (B) .....	.50
35-205	Sash, Door and Planing Mills (Excluding Hardwood Flooring) (A) (B) .....	.50
35-206	Veneer and Plywood Mills (A) (B) .....	.50
35-208	Miscellaneous Wood Industries (A) (B) .....	.50
35-209	Wooden Box Factories (A) (B) .....	.50
35-210	Coffin and Casket Industry (A) (B) .....	.50
9. FURNITURE AND FIXTURE INDUSTRIES		
35-211	Household Furniture Industry (A) (B) .....	.50
35-212	Office Furniture Industry (A) (B) .....	.50
35-213	Miscellaneous Furniture Industries (A) (B) .....	.50
35-214	Electric Lamp and Shade Industry (A) (B) .....	.50
10. PAPER AND ALLIED INDUSTRIES		
36-001	Hard Board (M) per year	1.00
36-002	Rigid Insulating Board (M) per year	1.00
36-204	Pulp and Paper Mills (A) (B) .....	.50
36-205	Asphalt Roofing Manufacturers (A) (B) .....	.50
36-206	Miscellaneous Paper Converters (A) (B) .....	.50
36-207	Paper Bag Manufacturers (A) (B) .....	.50
36-213	Manufacturers of Corrugated Boxes (A) (B) .....	.50
36-214	Manufacturers of Folding Cartons and Set-Up Boxes (A) (B) .....	.50
11. PRINTING, PUBLISHING AND ALLIED INDUSTRIES		
36-209	Commercial Printing Industries (A) (B) .....	.50
36-210	Engraving, Stereotyping and Allied Industries (A) (B) .....	.50
36-211	Publishing Industry (A) (B) .....	.50
36-212	Printing and Publishing Industry (A) (B) .....	.50
12. PRIMARY METAL INDUSTRIES		
41-001	Primary Iron and Steel (M) per year	3.00
41-002	Steel Ingots and Pig Iron (M) per year	1.00
41-004	Iron Castings and Cast Iron Pipes and Fittings (M) per year	1.00

APPENDIX I—Continued

Catalogue number	Title	Price
12. PRIMARY METAL INDUSTRIES—Concluded		
41-007	Non-Ferrous Scrap Metal (Q)	per year \$1.00
41-203	Iron and Steel Mills (A) .....	.50
41-204	Aluminum Rolling, Casting and Extruding (A) .....	.50
41-212	Scrap Iron and Steel (A) .....	.25
41-214	Smelting and Refining (A) .....	.50
41-215	Metal Rolling, Casting and Extruding, n.e.s. (A) .....	.50
41-220	Steel Pipe and Tube Mills (A) .....	.50
41-224	Copper and Alloy Rolling, Casting and Extruding (A) .....	.50
41-226	Iron Foundries (A) .....	.50
13. METAL FABRICATING INDUSTRIES		
41-005	Stoves and Furnaces (M)	per year 1.00
41-006	Steel Wire and Specified Wire Products (M)	per year 1.00
41-207	Fabricated Structural Metal Industry (A) .....	.50
41-208	Hardware, Tool and Cutlery Manufacturers (A) .....	.50
41-216	Wire and Wire Products Manufacturers (A) .....	.50
41-221	Ornamental and Architectural Metal Industry (A) .....	.50
41-223	Boiler and Plate Works (A) .....	.50
41-225	Heating Equipment Manufacturers (A) .....	.50
41-227	Metal Stamping, Pressing and Coating Industry (A) .....	.50
41-228	Miscellaneous Metal Fabricating Industries (A) .....	.50
42-207	Machine Shops (A) .....	.50
14. MACHINERY INDUSTRIES		
43-006	Air Conditioning and Refrigeration Equipment (Q)	per year 1.00
42-202	Agricultural Implement Industry (A) .....	.50
42-214	Miscellaneous Machinery and Equipment Manufacturers (A) .....	.50
42-215	Commercial Refrigeration and Air Conditioning Equipment Manufacturers (A) .....	.50
42-216	Office and Store Machinery Manufacturers (A) .....	.50
15. TRANSPORTATION EQUIPMENT INDUSTRIES		
42-001	Preliminary Report on the Production of Motor Vehicles (M)	per year 1.00
42-002	Motor Vehicle Shipments (M)	per year 1.00
42-203	Aircraft and Parts Manufacturers (A) .....	.50
42-205	Boatbuilding and Repair (A) .....	.50
42-206	Shipbuilding and Repair (A) .....	.50
42-209	Motor Vehicle Manufacturers (A) .....	.50
42-210	Motor Vehicle Parts and Accessories Manufacturers (A) .....	.50
42-211	Railroad Rolling Stock Industry (A) .....	.50
42-212	Miscellaneous Vehicle Manufacturers (A) .....	.50
42-217	Truck Body and Trailer Manufacturers (A) .....	.50
16. ELECTRICAL PRODUCTS INDUSTRIES		
43-001	Domestic Refrigerators and Freezers (M)	per year 1.00
43-002	Domestic Washing Machines and Clothes Dryers (M)	per year 1.00
43-003	Specified Domestic Electrical Appliances (M)	per year 1.00
43-004	Radio and Television Receiving Sets, Including Record Players (M)	per year 1.00
43-005	Factory Sales of Electric Storage Batteries (M)	per year 1.00
43-203	Manufacturers of Small Electrical Appliances (A) .....	.50
43-204	Manufacturers of Major Appliances (Electric and Non-Electric) (A) .....	.50
43-205	Manufacturers of Household Radio and Television Receivers (A) .....	.50

APPENDIX I - Continued

Catalogue number	Title	Price
16. ELECTRICAL PRODUCTS INDUSTRIES - Concluded		
43-206	Communications Equipment Manufacturers (A)	\$.50
43-207	Manufacturers of Electrical Industrial Equipment (A) .....	.50
43-208	Battery Manufacturers (A) .....	.50
43-209	Manufacturers of Electric Wire and Cable (A) .....	.50
43-210	Manufacturers of Miscellaneous Electrical Products (A) .....	.50
17. NON-METALLIC MINERAL PRODUCTS INDUSTRIES		
44-001	Cement (M)	per year 1.00
44-002	Concrete Products (M)	per year 1.00
44-003	Gypsum Products (M)	per year 1.00
44-004	Mineral Wool (M)	per year 1.00
44-005	Products Made from Canadian Clays (M)	per year 1.00
44-202	Abrasives Manufacturers (A) .....	.50
44-203	Asbestos Products Manufacturers (A) .....	.50
44-204	Cement Manufacturers (A) .....	.50
44-205	Concrete Products Manufacturers (A) .....	.50
44-207	Glass and Glass Products Manufacturers (A) .....	.50
44-209	Lime Manufacturers (A) .....	.25
44-210	Other Non-Metallic Mineral Products Industries (A) .....	.50
44-211	Ready-Mix Concrete Manufacturers (A) .....	.50
44-212	Mineral Wool Manufacturers (A) .....	.50
44-213	Stone Products Manufacturers (A) .....	.50
44-214	Refractories Manufacturers (A) .....	.50
44-215	Clay Products Manufacturers (Domestic) (A) .....	.50
44-216	Clay Products Manufacturers (From Imported Clays) (A) .....	.50
44-217	Gypsum Products Manufacturers (A) .....	.50
18. PETROLEUM AND COAL PRODUCTS INDUSTRIES		
45-001	Asphalt Roofing (M)	per year 1.00
45-205	Petroleum Refineries (A) .....	.50
45-207	Other Petroleum and Coal Products Industries (A) .....	.50
19. CHEMICAL AND CHEMICAL PRODUCTS INDUSTRIES		
46-001	Sales of Paints, Varnishes and Lacquers (M)	per year 1.00
46-002	Specified Chemicals (M)	per year 1.00
46-003	Soaps and Synthetic Detergents (M)	per year 1.00
46-207	Fertilizer Trade (A) .....	.50
46-209	Manufacturers of Pharmaceuticals and Medicines (A) .....	.50
46-210	Paint and Varnish Manufacturers (A) .....	.50
46-211	Manufacturers of Plastics and Synthetic Resins (A) .....	.50
46-212	Sales of Pest Control Products by Canadian Registrants (A) .....	.25
46-214	Manufacturers of Soap and Cleaning Compounds (A) .....	.50
46-215	Manufacturers of Toilet Preparations (A) .....	.50
46-216	Other Chemical Industries (A) .....	.50
46-218	Explosives and Ammunition Manufacturers (A) .....	.25
46-219	Manufacturers of Industrial Chemicals (A) .....	.50
46-220	Manufacturers of Mixed Fertilizers (A) .....	.50
20. MISCELLANEOUS MANUFACTURING INDUSTRIES		
47-001	Asphalt and Vinyl-Asbestos Floor Tile (M)	per year 1.00
41-211	Jewellery and Silverware Manufacturers (A) .....	.50
47-201	Broom, Brush and Mop Industry (A) .....	.50

APPENDIX I - Concluded

Catalogue number	Title	Price
20. MISCELLANEOUS MANUFACTURING INDUSTRIES - Concluded		
47-202	Button, Buckle and Fastener Industry (A)	\$.25
47-203	Musical Instrument and Sound Recording Industry (A) .....	.25
47-204	Sporting Goods and Toy Industry (A) .....	.50
47-205	Miscellaneous Manufacturing Industries (A) .....	.50
47-206	Scientific and Professional Equipment Manufacturers (A) .....	.50
47-207	Pen and Pencil and Typewriter Supplies Manufacturers (A) .....	.50
47-208	Plastics Fabricators, n.e.s. (A) .....	.50
47-209	Signs and Displays Industry (A) .....	.50
47-210	Venetian Blind Manufacturers (A) .....	.50

Long Form

APPENDIX II

DOMINION BUREAU OF STATISTICS

OTTAWA - CANADA

Industry and Merchandising Division

ANNUAL CENSUS OF MANUFACTURES

GENERAL SCHEDULE

1961

Form CM 6501-1.1

Please make any necessary changes in above name or mailing address.

The Census of Manufactures is authorized by the Statistics Act, Chap. 257, Revised Statutes of Canada, 1952.

The Act states that every report is **confidential** and cannot be used for purposes of taxation, investigation or regulation without your permission and that the filing of returns by every manufacturer is compulsory.

Thirty days are allowed for the completion and submission of this report.

Industry totals compiled from manufacturers' reports will be published in industry bulletins as soon as possible after all reports are received. Your co-operation in returning your report(s) promptly will expedite the publication of this information. Completed reports and correspondence concerning their completion should be addressed to the

INDUSTRY AND MERCHANDISING DIVISION
DOMINION BUREAU OF STATISTICS
OTTAWA

COMPLETE THIS BOX IF THIS ESTABLISHMENT DID NOT OPERATE AT ALL DURING 1961, OR CHANGED OWNERSHIP

1. NO OPERATION

If this establishment did not operate at all during 1961, kindly check here ☐ and return the form after completing, if applicable, the questions below on Change of Ownership or Status

2. CHANGE OF OWNERSHIP OR STATUS

If this establishment changed ownership during 1961, complete (a), (b), or (c):

(a) Business sold by you on (date)

To
Name and address of present owner

(b) Went out of business on (no new owner) (date)

(c) Business purchased by you on (date)

From
Name and address of previous owner

3. ACTUAL PHYSICAL LOCATION OF THIS ESTABLISHMENT

Street and number

City, town or village

County or Census Division

Province

Is this establishment within the actual legal boundaries of the city, town or village given above? ☐ Yes ☐ No

If the answer is No, kindly give below an indication of its location, such as parish or township in the East; division or township, range, meridian in the West.

4 (a) NATURE OF BUSINESS: (describe briefly)

(b) NAME UNDER WHICH THIS ESTABLISHMENT CARRIED ON BUSINESS

GENERAL INSTRUCTIONS

NOTE: Beginning with this survey, establishments are required to report data on total operations as described in the "Reporting Instructions" and in the notes accompanying each section of this report.

(a) A separate report must be prepared for each manufacturing establishment operated by a firm.

(b) Where an establishment was operated only a portion of the year 1961, a report is required covering the period of operation.

(c) A owner who went out of business during the year, either through closing down or sale, is required to complete a part-year report covering the period of operation.

(d) A purchaser should report from the date of purchase to the end of the calendar year.

(e) Check for completeness, accuracy and consistency. Your report will be reviewed for completeness and accuracy and in order to avoid future correspondence it is suggested that you:

(i) look for omissions,

(ii) check for reasonableness of average salaries, average wages, ratios of value of factory shipments to material costs, payroll, etc., and

(iii) compare total cost of materials, payroll, fuel and electricity with value of factory shipments for reasonableness; in most cases a reasonable margin for overhead and profit should be indicated.

(f) The reporting instructions have been designed to assist you in filling out this Census of Manufactures form. In view of significant changes that are being implemented in this year's survey, particularly as they affect multi-unit firms, please read the instructions relating to each section of the form before entering your figures.

5. TYPE OF ORGANIZATION: (check one)

Individual Ownership	Partnership	Incorporated Company	Incorporated Co-operative	Unincorporated Co-operative
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

6. HEAD, EXECUTIVE OR ADMINISTRATIVE OFFICE

Does this establishment have a

Separate head or executive office? ☐ Yes ☐ No

Separate administrative office? ☐ Yes ☐ No

If yes, give name and address of same

Name

Address

I hereby certify that the information given in this report is substantially complete and correct to the best of my knowledge and belief.

Signature of person making this report

Name of signer (please print)

Official position Date

Business address of signer

Period covered by this report: From 19..... To 19.....

Log Form

APPENDIX II - Continued

7. INVENTORY OF THIS ESTABLISHMENT

A. Manufacturing Inventory

1. Book value of manufacturing inventory. Include inventory at the plant and at any warehouse or selling outlet which is treated as an extension of this establishment for the purpose of reporting shipments.

Note: If book value of inventory includes inventory held but not owned, check here ☐

(a) Raw materials, supplies and purchased components

(b) Goods in process

(c) Finished goods of own manufacture

2. Book value of other manufacturing inventory owned by this establishment and not included in Item 1, above.

(a) Raw materials and supplies in transit in Canada, held by contractors, or held in own or rented warehouses. (Do not include raw materials in transit from abroad which have not yet cleared customs.)

(b) Finished goods of own manufacture in transit or on consignment in Canada. (Do not include finished goods held abroad nor finished goods in transit destined for export and for which Form B13 "Customs Canada, Export Entry" has been prepared.)

B. Goods Purchased For Re-Sale

Book value of all goods purchased for re-sale as such without further processing, owned by this establishment and held at the plant (and at any warehouse or selling outlet which is treated as an extension of this establishment for the purpose of reporting sales of these goods,) in transit in Canada, or on consignment in Canada

INVENTORY FOR PERIOD COVERED BY THIS REPORT

Opening
(omit cents)
\$

Closing
(omit cents)
\$

8. UNFILLED ORDERS

1. Do you normally have a backlog of unfilled orders at the end of each month (i.e. unshipped orders, regardless of work already done on them, and of stock from which they can be filled) apart from amounts due to normal shipping time-lag?

☐ Yes

☐ No

2. If yes, state amount of such backlog at Dec. 31, 1961 (Estimate, if necessary. State NIL, if applicable.)

3. Of above, state amount, if any, represented by binding commitments

(omit cents)
\$

9. FUEL AND ELECTRICITY USED BY THIS ESTABLISHMENT

Include gasoline, diesel fuel and liquefied petroleum gases used in cars, trucks, locomotives etc. operated by this establishment. (State cost in each case as laid down at the establishment, including transportation charges, duty, etc. Do not consider fuel purchased as representing fuel used unless the quantities are the same.)

Kind	Unit of measure	Quantity	Cost at the establishment (omit cents) \$
1. Bituminous coal (a) From Canadian mines	ton		
(b) Imported	ton		
2. Sub-bituminous coal (from Alberta mines only)	ton		
3. Anthracite coal	ton		
4. Lignite coal	ton		
5. Coke (for fuel only)	ton		
6. Gasoline	Imp. gal.		
7. Fuel oil including diesel fuel and kerosene (do not include lubricating oil)	Imp. gal.		
8. Wood (cords of 128 cubic feet of piled wood)	cord		
9. Gas (a) Liquefied petroleum gases (propane, etc.)	Imp. gal.		
(b) Other manufactured gas (excluding oxygen and acetylene, which should be reported under Item 11A(c) of Materials and Supplies Used.)	1000 cu. ft.		
(c) Natural gas	1000 cu. ft.		
10. Other fuel (state kind and quantity)			
11. Electricity purchased (include service charge in cost)			
(a) For lighting and motors	kwh.		
(b) For other purposes	kwh.		
12. Steam purchased	pound		
13. TOTAL			

10. ELECTRICITY GENERATED

(a) For own use

kwh.

(b) For sale

kwh.

Of the total electricity generated how much was:

(a) By thermal plant, including diesel-driven generators?

kwh.

(b) By hydro-electric plant?

kwh.

Long Form

APPENDIX II - Continued

11. RAW MATERIALS, SUPPLIES AND COMPONENTS OWNED BY THIS ESTABLISHMENT

Report in this Section all raw materials, supplies and purchased components owned by this establishment and either used in production and related processes (in A, C, D and E below) or purchased for resale as such (in B).

Include only commodity items or physical goods, and not costs of services or overhead charges such as advertising, insurance, depreciation, interest, etc. In reporting cost of these goods, give the laid-down value at the establishment, i.e. the amounts actually paid or payable after discounts including any transportation and handling charges paid by this establishment to common or contract carriers in acquiring the materials, supplies and components to be reported below.

Include raw materials, supplies and components used or purchased for resale at any other locations which are treated in your records as extensions of this establishment's operations for the purpose of reporting shipments.

In the case of processed or semi-processed goods received as transfers from other establishments of your firm for resale (reported in 11B below) or further processing by this establishment, the cost of such goods should be equivalent to the transfer value reported by the shipping establishment plus any transportation and handling charges paid to common or contract carriers by this establishment.

For all items except B, report materials, supplies and components used, not purchased. (In the case of minor items of materials and supplies, purchase records may be used, if necessary.)

A. Raw Materials, supplies and components owned and used in manufacturing - Give the quantity, where required, and the laid-down value at the establishment of all raw materials, supplies and components owned and used in manufacturing during the year, including those received as transfers from other establishments of your firm. Include purchased components whose cost is reflected in the value of products shipped reported in Section 12A of this report.

Do not include returnable containers or any other purchased item chargeable to Fixed Assets Account. Include, however, materials, supplies and components used in the production of machinery and equipment for own use.

Do not include fuel which is to be reported in Section 9 of this report.

Do not include goods purchased from others (or received as transfers from other establishments of your company) for resale as such in the same condition as purchased; these should be shown under 11B below.

Raw Materials, Supplies and Purchased Components Used (List main items below)	Unit of measure	Quantity	Total cost at this establishment (omit cents)
			\$
(a) Raw materials and purchased components used			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11. All other raw materials and components. Include also such items as chemicals and other agents which, while not necessarily considered to be materials proper, must be directly associated with the materials at some stage of processing. (Specify large items separately.)			
.....			
.....			
(b) Containers and other packaging materials and supplies			
(c) Operating supplies, maintenance supplies and repair supplies, not including fuel but including all other supplies and items of equipment used in the operation, maintenance and repair of machinery, equipment and buildings which are not chargeable to Fixed Assets Account. Do not include cost of repairs or other type of maintenance done by outside contractors. Do not duplicate items entered elsewhere in this Section			
(d) Amount paid out to others for work done on materials owned by this establishment			
Total materials, supplies, components and cost of work done in manufacturing operations (a + b + c + d)			
B. Materials or products purchased from others (or received as transfers from other establishments of your company) for re-sale as such in the same condition as purchased			
C. Materials and supplies used by your own employees in new construction for the use of this establishment (including major repairs and alterations). The total book value of such work chargeable to Fixed Assets Account is to be reported in Section 12C (a)			
D. Office supplies - Give the cost of office supplies used during the year, not chargeable to Fixed Assets Account. Exclude cost of stamps and meter expenses			
E. All other materials and supplies used by this establishment such as food, beverages and supplies for cafeteria or lunch counters, first aid medical supplies, laboratory supplies, etc. (Do not duplicate any items reported in A, B, C or D above.)			
Total materials, supplies and components of this establishment (A + B + C + D + E)			

Long Form

APPENDIX II - Continued

12. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT

This Section covers all production, sales and related activities of this establishment (non-operating revenues such as rent, interest and dividends and sale of used assets are excluded). For a description of the meaning and statistical coverage of the establishment, see items 2 and 3 of Reporting Instructions.

If all shipments of goods from this location (and any adjoining warehouses) constitute final sales, you are not concerned with instructions relating to transfer shipments (Item 5 of Reporting Instructions).

Important: If goods of this establishment are shipped to other manufacturing establishments of your firm for further processing or sale or to separate warehouses or selling branches for final disposition to customers, see Item 5 of Reporting Instructions for the method to be used in reporting such shipments.

A. Shipments of goods of own manufacture - Include goods manufactured from own materials, either at this establishment, or by other manufacturers on the basis of a charge to this establishment for work done. Include also revenue from repair and custom work.

Give the quantity, when required, and the net selling value of all products and by-products of own manufacture shipped during the year. Shipments should be net of returned goods and value figures should exclude discounts, returns, allowances, sales taxes and excise duties and charges for outward transportation by common or contract carriers (transportation or delivery expenses incurred by the establishment's own carriers should not be deducted). The value of containers should be included in all instances unless these are returnable.

All shipments, including those to government departments, should be accounted for. The unsold portion, at year-end of consignment shipments in Canada, is to be treated as inventory and not as shipments. Shipments should include, however, the sales during the year of goods shipped on consignment in previous years. All shipments to foreign countries, whether sold or not at year-end, are to be reported as shipments.

PRODUCTS SHIPPED All important products manufactured from materials owned by you which are not listed below should be detailed in the space provided under "All other products". Do not duplicate items which have been included in any other Census of Manufactures report made by your company.		Unit of measure	Quantity shipped	Value of shipments. Do not include sales tax, excise duties or outward transportation charges by common or contract carriers. (omit cents)
				\$
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12. All other products shipped (specify large items separately)				

13. Amount received in payment for work done on materials and products owned by others

Total value of shipments and work done

If you have not found it possible to report the value of individual products excluding outward transportation charges by common or contract carriers and sales taxes and excise duties, please give:

(a) Total payments for outward transportation by common or contract carriers \$

(b) Total payments of sales taxes and excise duties \$

Note for multi-unit firms only - Did you, as a result of the new instructions contained in this report, change your method of valuing shipments of goods of own manufacture, as compared with the method used in previous years?

☐ Yes ☐ No

If you answered "yes", please give the total value of shipments and work done compiled on the 1960 basis of valuation. A reasonably close estimate is acceptable \$

Long Form

APPENDIX II - Continued

12. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT - Concluded

B. Shipments of goods not of own manufacture - Report the net selling value at this establishment (less discounts, returns, allowances and transportation charges by common or contract carriers) of all products or materials (including products transferred from other establishments of your firm) sold as such in the same condition as purchased \$
(Purchases for resale without further processing are to be reported in Section 11B.)

C. Value of Fixed Assets produced for the use of this establishment by your own employees: Give the book value of fixed assets produced during the year by your own employees and for which depreciation accounts are maintained:
(a) Book value of new construction (including major repairs and alterations) chargeable to Fixed Assets Account \$
(b) Book value of machinery and equipment (including major repairs and improvements) chargeable to Fixed Assets Account \$

D. Revenue from sale of electricity \$

E. All other revenue for products and services of this establishment not reported in A, B, C, or D above. Include any other revenue from operations performed by your own employees such as cafeterias, lunch counters, outside installation or construction work not related to your own products, sale of used materials (excluding sale of used fixed assets), research and development work, etc. \$

Total revenue of this establishment (A + B + C + D + E) \$

Note for firms operating separate sales outlets - Please check below:

1. If you are valuing shipments at the sales outlet level, and operational data of such sales outlets are only available from a separate head office ☐

2. If shipments consist of physical movements from this plant valued at outlet selling prices ☐

Long Form

APPENDIX II - Continued

PAYROLL, EMPLOYMENT AND MAN-HOURS OF THIS ESTABLISHMENT, CALENDAR YEAR

Note: To ensure proper reporting of data on this page, it is essential that reference be made to item 6 on page 4 of Reporting Instructions.

PART 1 - Employment and payroll at this location

In accordance with item 6A of Reporting Instructions, are your own head or administrative office employees included below? ☐ Yes ☐ No

Salaries, wages and commissions, etc., paid during calendar year* (omit cents)

Give the average number employed for all items except Part 1 C 1; the average for this item will be calculated at the Bureau

A. Working owners or partners (unincorporated companies only). Report all withdrawals during the year for normal living expenses for self and family. Do not include withdrawals for payment of income tax

B. Administrative and office employees (See definition in item 6B of Reporting Instructions.)

C. Production and related workers - All employees, except those reported in A, B and D, who are engaged in producing for sale or own use (including new construction). (See item 6C of Reporting Instructions for definitions of categories 1 to 4.)

1. Employees in manufacturing operations
Include employees in plant and plant warehouse
(Report total payments only in this section; the number of these employees is to be reported in Part 4 on next page)

2. Employees in new construction as a separate work force
(for the use of this establishment)

3. Outside piece-workers

4. Other production and related workers (specify nature of work)

D. Sales and distribution workers -
Include office personnel at this location whose salaries are charged to selling expense, travelling salesmen, driver salesmen, truck drivers and their helpers, etc. Include also sales personnel attached to sales outlets at this location which form an integral part of your manufacturing operation

PART 2 - Employment and payroll at other locations

Include sales offices, warehouses, etc. (See item 6A of Reporting Instructions)
(Do not include employment in manufacturing or processing plants in other locations which are integrated with this establishment's operations. If no separate form has been provided, include employment and payroll of such plants in Parts 1 and 4.)

Total payroll of this establishment

* Report gross earnings before deductions from employees for income tax and social services such as sickness, accident, pensions, insurance, etc. Include all bonuses, profits shared with employees, the value of room and board where provided, as well as any other allowance forming part of the employee's earnings. (Include payment for overtime.)

PART 3 - Man-hours of all production and related workers engaged in manufacturing and new construction whose payrolls are reported in Section C1 and C2 of Part 1 and whose numbers are reported in Part 4 and Section C2 of Part 1.

1. Did any of these workers receive any pay for periods of absence (such as paid vacations, statutory holidays or paid sick leave)? ☐ Yes ☐ No

2. Manufacturing operations

(a) Total man-hours of work during each period by all production and related workers whose payroll is reported in Section C1 of Part 1 and whose numbers are reported in Part 4
(In reporting overtime, include only hours actually at work.)

(b) Total man-hours not worked, but nevertheless paid for during each period (e.g.: paid vacations, sick leave, statutory holidays, etc.)

(c) Total man-hours paid (sum of (a) and (b))

3. New Construction - Total man-hours paid during each period of all workers engaged in new construction whose numbers and payroll are reported in Section C2 of Part 1

4. Please check for reasonableness by calculating average hourly earnings in manufacturing operations (Payroll in Section C1 of Part 1 divided by total man-hours paid in Item 2(c) of Part 3) (\$ and c per hour)

Male Female Total
No. No. No.

For DBS Use Only

For DBS Use Only

Jan.-Mar. Apr.-June July-Sept. Oct.-Dec. Annual total

Long Form

APPENDIX II - Continued

PART 4 - Number of production and related workers engaged in manufacturing operations in plant and plant warehouse

Report numbers of employees receiving pay during the last pay period of each month, whether paid on monthly, weekly, hourly, or piece-work basis, whose wages are reported in Item C1, of Part I on the previous page.

Do not include employees reported in Sections, A, B, C2, C3, C4 and D of Part I and in Part 2.

Month	Male No.	Female No.
January, 1961		
February, 1961		
March, 1961		
April, 1961		
May, 1961		
June, 1961		
July, 1961		
August, 1961		
September, 1961		
October, 1961		
November, 1961		
December, 1961		
For DBS Use Only		

Medium Form

APPENDIX II - Continued

DOMINION BUREAU OF STATISTICS
OTTAWA - CANADA
Industry and Merchandising Division

ANNUAL CENSUS OF MANUFACTURES
GENERAL SCHEDULE
1961

Form CM 6501-1.3

Please make any necessary changes in above name or mailing address.

The Census of Manufactures is authorized by the Statistics Act, Chap. 257, Revised Statutes of Canada, 1952.

The Act states that every report is *confidential* and cannot be used for purposes of taxation, investigation or regulation without your permission and that the filing of returns by every manufacturer is compulsory.

Thirty days are allowed for the completion and submission of this report.

Industry totals compiled from manufacturers' reports will be published in industry bulletins as soon as possible after all reports are received. Your co-operation in returning your report(s) promptly will expedite the publication of this information. Completed reports and correspondence concerning their completion should be addressed to the

INDUSTRY AND MERCHANDISING DIVISION
DOMINION BUREAU OF STATISTICS
OTTAWA

COMPLETE THIS BOX IF THIS ESTABLISHMENT DID NOT OPERATE AT ALL DURING 1961, OR CHANGED OWNERSHIP

1. NO OPERATION

If this establishment did not operate at all during 1961, kindly check here ☐ and return the form after completing, if applicable, the questions below on Change of Ownership or Status

2. CHANGE OF OWNERSHIP OR STATUS

If this establishment changed ownership during 1961, complete (a), (b), or (c):

(a) Business sold by you on (date)

To
Name and address of present owner

(b) Went out of business on (no new owner) (date)

(c) Business purchased by you on (date)

From
Name and address of previous owner

3. ACTUAL PHYSICAL LOCATION OF THIS ESTABLISHMENT

Street and number

City, town or village

County or Census Division

Province

Is this establishment within the actual legal boundaries of the city, town or village given above? ☐ Yes ☐ No

If the answer is No, kindly give below an indication of its location, such as parish or township in the East; division or township, range, meridian in the West.

4(a) NATURE OF BUSINESS: (describe briefly)

(b) NAME UNDER WHICH THIS ESTABLISHMENT CARRIED ON BUSINESS

GENERAL INSTRUCTIONS

NOTE: Beginning with this survey, establishments are required to report data on total operations as described in the "Reporting Instructions" and in the notes accompanying each section of this report.

(a) A separate report must be prepared for each manufacturing establishment operated by a firm.

(b) Where an establishment was operated only a portion of the year 1961, a report is required covering the period of operation.

(c) An owner who went out of business during the year, either through closing down or sale, is required to complete a part-year report covering the period of operation.

(d) A purchaser should report from the date of purchase to the end of the calendar year.

(e) **Check for completeness, accuracy and consistency.** Your report will be reviewed for completeness and accuracy and in order to avoid future correspondence it is suggested that you:

(i) look for omissions,

(ii) check for reasonableness of average salaries, average wages, ratios of value of factory shipments to material costs, payroll, etc., and

(iii) compare total cost of materials, payroll, fuel and electricity with value of factory shipments for reasonableness; in most cases a reasonable margin for overhead and profit should be indicated.

(f) The reporting instructions have been designed to assist you in filling out this Census of Manufactures form. In view of significant changes that are being implemented in this year's survey, particularly as they affect multi-unit firms, please read the instructions relating to each section of the form before entering your figures.

5. TYPE OF ORGANIZATION: (check one)

Individual Ownership	Partner- ship	Incorporated Company	Incorporated Co-operative	Unincorporated Co-operative
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

6. HEAD, EXECUTIVE OR ADMINISTRATIVE OFFICE

Does this establishment have a

Separate head or executive office? ☐ Yes ☐ No

Separate administrative office? ☐ Yes ☐ No

If yes, give name and address of same

Name

Address

I hereby certify that the information given in this report is substantially complete and correct to the best of my knowledge and belief.

Signature of person making this report

Name of signer (please print)

Official position Date

Business address of signer

Period covered by this report: From 19..... To 19.....

Medium Form

APPENDIX II - Continued

7. INVENTORY OF THIS ESTABLISHMENT

A. Manufacturing Inventory

Book value of all manufacturing inventory including inventory at any warehouse or selling outlet which is treated as an extension of this establishment for the purpose of reporting shipments. Include also materials and finished products in transit in Canada or on consignment in Canada.

Note: If book value of inventory includes inventory held but not owned, check here ☐

1. Raw materials, supplies and purchased components

2. Goods in process

3. Finished goods of own manufacture

B. Goods Purchased for Re-Sale

Book value of all goods purchased for re-sale as such without further processing, owned by this establishment and held at the plant (and at any warehouse or selling outlet which is treated as an extension of this establishment for the purpose of reporting sales of these goods), in transit in Canada, or on consignment in Canada

INVENTORY FOR PERIOD COVERED BY THIS REPORT

Opening
(Omit cents)

\$

Closing
(Omit cents)

\$

8. UNFILLED ORDERS

1. Do you normally have a backlog of unfilled orders at the end of each month (i.e. unshipped orders, regardless of work already done on them and of stock from which they can be filled) apart from amounts due to normal shipping time-lag?
☐ Yes ☐ No

2. If yes, state amount of such backlog at Dec. 31, 1961 (Estimate, if necessary. State NIL, if applicable.)

3. Of above, state amount, if any, represented by binding commitments

(Omit cents)
\$

9. FUEL AND ELECTRICITY USED BY THIS ESTABLISHMENT

Include gasoline, diesel fuel and liquefied petroleum gases used in cars, trucks etc. operated by this establishment. (State cost in each case as laid down at the establishment, including transportation charges, duty, etc. Do not consider fuel purchased as representing fuel used unless the quantities are the same.)

Cost at the
establishment
(Omit cents)

\$

1. Total cost of fuel used. (Include coal, coke, gasoline, fuel oil, wood, gas, etc.)

2. Cost of electricity purchased, including service charges

TOTAL

10. ELECTRICITY GENERATED

Do you generate electricity for sale or own use?

☐ Yes

☐ No

Medium Form

APPENDIX II - Continued

11. RAW MATERIALS, SUPPLIES AND COMPONENTS OWNED BY THIS ESTABLISHMENT

Report in this Section all raw materials, supplies and purchased components owned by this establishment and either used in production and related processes (in A, C, D and E below) or purchased for resale as such (in B).

Include only commodity items or physical goods, and not costs of services or overhead charges such as advertising, insurance, depreciation, interest, etc. In reporting cost of these goods, give the laid-down value at the establishment, i.e. the amounts actually paid or payable after discounts including any transportation and handling charges paid by this establishment to common or contract carriers in acquiring the materials, supplies and components to be reported below.

Include raw materials, supplies and components used or purchased for resale at any other locations which are treated in your records as extensions of this establishment's operations for the purpose of reporting shipments.

In the case of processed or semi-processed goods received as transfers from other establishments of your firm for resale (reported in 11B below) or further processing by this establishment, the cost of such goods should be equivalent to the transfer value reported by the shipping establishment plus any transportation and handling charges paid to common or contract carriers by this establishment.

For all items except B, report materials, supplies and components used, not purchased. (In the case of minor items of materials and supplies, purchase records may be used, if necessary.)

A. Raw Materials, supplies and components owned and used in manufacturing - Give the quantity, where required, and the laid-down value at the establishment of all raw materials, supplies and components owned and used in manufacturing during the year, including those received as transfers from other establishments of your firm. Include purchased components whose cost is reflected in the value of products shipped reported in Section 12A of this report.

Do not include returnable containers or any other purchased item chargeable to Fixed Assets Account. Include, however, materials, supplies and components used in the production of machinery and equipment for own use.

Do not include fuel which is to be reported in Section 9 of this report.

Do not include goods purchased from others (or received as transfers from other establishments of your company) for resale as such in the same condition as purchased; these should be shown under 11B below.

Raw Materials, Supplies and Purchased Components Used (List main items below)	Unit of measure	Quantity	Total cost at this establishment (omit cents)
			\$
(a) Raw materials and purchased components used			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11. All other raw materials and components. Include also such items as chemicals and other agents which, while not necessarily considered to be materials proper, must be directly associated with the materials at some stage of processing. (Specify large items separately.)			
.....			
.....			
(b) Containers and other packaging materials and supplies			
(c) Operating supplies, maintenance supplies and repair supplies, not including fuel but including all other supplies and items of equipment used in the operation, maintenance and repair of machinery, equipment and buildings which are not chargeable to Fixed Assets Account. Do not include cost of repairs or other type of maintenance done by outside contractors. Do not duplicate items entered elsewhere in this Section			
(d) Amount paid out to others for work done on materials owned by this establishment			
Total materials, supplies, components and cost of work done in manufacturing operations (a + b + c + d)			
B. Materials or products purchased from others (or received as transfers from other establishments of your company) for re-sale as such in the same condition as purchased			
C. Materials and supplies used by your own employees in new construction for the use of this establishment (including major repairs and alterations). The total book value of such work chargeable to Fixed Assets Account is to be reported in Section 12C. (a)			
D. Office supplies - Give the cost of office supplies used during the year, not chargeable to Fixed Assets Account. Exclude cost of stamps and meter expenses			
E. All other materials and supplies used by this establishment such as food, beverages and supplies for cafeterias or lunch counters, first aid medical supplies, laboratory supplies, etc. (Do not duplicate any items reported in A, B, C or D above.)			
Total materials, supplies and components of this establishment (A + B + C + D + E)			

Medium Form

APPENDIX II - Continued

12. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT

This Section covers all production, sales and related activities of this establishment (non-operating revenues such as rent, interest and dividends and sale of used assets are excluded). For a description of the meaning and statistical coverage of the establishment, see items 2 and 3 of Reporting Instructions.

If all shipments of goods from this location (and any adjoining warehouses) constitute final sales, you are not concerned with instructions relating to transfer shipments (Item 5 of Reporting Instructions).

Important: If goods of this establishment are shipped to other manufacturing establishments of your firm for further processing or sale or to separate warehouses or selling branches for final disposition to customers, see Item 5 of Reporting Instructions for the method to be used in reporting such shipments.

A. Shipments of goods of own manufacture - Include goods manufactured from own materials, either at this establishment, or by other manufacturers on the basis of a charge to this establishment for work done. Include also revenue from repair and custom work.

Give the quantity, when required, and the net selling value of all products and by-products of own manufacture shipped during the year. Shipments should be net of returned goods and value figures should exclude discounts, returns, allowances, sales taxes and excise duties and charges for outward transportation by common or contract carriers (transportation or delivery expenses incurred by the establishment's own carriers should not be deducted). The value of containers should be included in all instances unless these are returnable.

All shipments, including those to government departments, should be accounted for. The unsold portion, at year-end of consignment shipments in Canada, is to be treated as inventory and not as shipments. Shipments should include, however, the sales during the year of goods shipped on consignment in previous years. All shipments to foreign countries, whether sold or not at year-end, are to be reported as shipments.

PRODUCTS SHIPPED All important products manufactured from materials owned by you which are not listed below should be detailed in the space provided under "All other products". Do not duplicate items which have been included in any other Census of Manufactures report made by your company.	Unit of measure	Quantity shipped	Value of shipments. Do not include sales tax, excise duties or outward transportation charges by common or contract carriers. (omit cents)
			\$
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12. All other products shipped (specify large items separately)			
.....			
.....			
.....			
.....			
.....			
13. Amount received in payment for work done on materials and products owned by others			
Total value of shipments and work done			

If you have not found it possible to report the value of individual products excluding outward transportation charges by common or contract carriers and sales taxes and excise duties, please give:

- (a) Total payments for outward transportation by common or contract carriers \$
- (b) Total payments of sales taxes and excise duties \$

Note for multi-unit firms only - Did you, as a result of the new instructions contained in this report, change your method of valuing shipments of goods of own manufacture, as compared with the method used in previous years?

☐ Yes ☐ No

If you answered "yes", please give the total value of shipments and work done compiled on the 1960 basis of valuation. A reasonably close estimate is acceptable \$

Medium Form

APPENDIX II - Continued

12. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT - Concluded

B. Shipments of goods not of own manufacture - Report the net selling value at this establishment (less discounts, returns, allowances and transportation charges by common or contract carriers) of all products or materials (including products transferred from other establishments of your firm) sold as such in the same condition as purchased \$
(Purchases for resale without further processing are to be reported in Section 11B.)

C. Value of Fixed Assets produced for the use of this establishment by your own employees: Give the book value of fixed assets produced during the year by your own employees and for which depreciation accounts are maintained:

(a) Book value of new construction (including major repairs and alterations) chargeable to Fixed Assets Account \$

(b) Book value of machinery and equipment (including major repairs and improvements) chargeable to Fixed Assets Account \$

D. Revenue from sale of electricity \$

E. All other revenue for products and services of this establishment not reported in A, B, C, or D above. Include any other revenue from operations performed by your own employees such as cafeterias, lunch counters, outside installation or construction work not related to your own products, sale of used materials (excluding sale of used fixed assets), research and development work, etc. \$

Total revenue of this establishment (A + B + C + D + E) \$

Note for firms operating separate sales outlets - Please check below:

1. If you are valuing shipments at the sales outlet level, and operational data of such sales outlets are only available from a separate head office ☐

2. If shipments consist of physical movements from this plant valued at outlet selling prices ☐

Medium Form

APPENDIX II - Continued

PAYROLL, EMPLOYMENT AND MAN-HOURS OF THIS ESTABLISHMENT, CALENDAR YEAR

Note: To ensure proper reporting of data on this page, it is essential that reference be made to item 6 on page 4 of Reporting Instructions.

PART 1 - Employment and payroll at this location

In accordance with item 6A of Reporting Instructions, are your own head or administrative office employees included below?

☐ Yes ☐ No

Salaries, wages and commissions, etc., paid during calendar year* (omit cents)

Give the average number employed for all items except Part 1 C 1; the average for this item will be calculated at the Bureau

Male Female Total
No. No. No.

A. Working owners or partners (unincorporated companies only). Report all withdrawals during the year for normal living expenses for self and family. Do not include withdrawals for payment of income tax

B. Administrative and office employees (See definition in item 6B of Reporting Instructions.)

C. Production and related workers - All employees, except those reported in A, B and D, who are engaged in producing for sale or own use (including new construction). (See item 6C of Reporting Instructions for definitions of categories 1 to 4.)

1. Employees in manufacturing operations Include employees in plant and plant warehouse (Report total payments only in this section; the number of these employees is to be reported in Part 4 on next page)

2. Employees in new construction as a separate work force (for the use of this establishment)

3. Outside place-workers

4. Other production and related workers (specify nature of work)

D. Sales and distribution workers - Include office personnel at this location whose salaries are charged to selling expense, travelling salesmen, driver salesmen, truck drivers and their helpers, etc. Include also sales personnel attached to sales outlets at this location which form an integral part of your manufacturing operation

PART 2 - Employment and payroll at other locations

Include sales offices, warehouses, etc. (See item 6A of Reporting Instructions.) (Do not include employment in manufacturing or processing plants in other locations which are integrated with this establishment's operations. If no separate form has been provided, include employees and payroll of such plants in Parts 1 and 4.)

Total payroll of this establishment

* Report gross earnings before deductions from employees for income tax and social services such as sickness, accident, pensions, insurance, etc. Include all bonuses, profits shared with employees, the value of room and board where provided, as well as any other allowance forming part of the employee's earnings. (Include payment for overtime.)

PART 3 - Man-hours of all production and related workers engaged in manufacturing and new construction whose payrolls are reported in Section C1 and C2 of Part 1 and whose numbers are reported in Part 4 and Section C2 of Part 1.

1. Did any of these workers receive any pay for periods of absence (such as paid vacations, statutory holidays or paid sick leave)?

☐ Yes ☐ No

2. Manufacturing operations

(a) Total man-hours at work during each period by all production and related workers whose payroll is reported in Section C1 of Part 1 and whose numbers are reported in Part 4 (In reporting overtime, include only hours actually at work.)

(b) Total man-hours not worked, but nevertheless paid for during each period (e.g.: paid vacations, sick leave, statutory holidays, etc.)

(c) Total man-hours paid (sum of (a) and (b))

3. New Construction - Total man-hours paid during each period of all workers engaged in new construction whose numbers and payroll are reported in Section C2 of Part 1

4. Please check for reasonableness by calculating average hourly earnings in manufacturing operations (Payroll in Section C1 of Part 1 divided by total man-hours paid in item 2(c) of Part 3) (\$ and c per hour)

	Jan.-Mar.	Apr.-June	July-Sept.	Oct.-Dec.	Annual total
(a) Total man-hours at work during each period by all production and related workers whose payroll is reported in Section C1 of Part 1 and whose numbers are reported in Part 4 (In reporting overtime, include only hours actually at work.)					
(b) Total man-hours not worked, but nevertheless paid for during each period (e.g.: paid vacations, sick leave, statutory holidays, etc.)					
(c) Total man-hours paid (sum of (a) and (b))					
3. New Construction - Total man-hours paid during each period of all workers engaged in new construction whose numbers and payroll are reported in Section C2 of Part 1					

Medium Form

APPENDIX II - Continued

PART 4 - Number of production and related workers engaged in manufacturing operations in plant and plant warehouse.

Report number of employees receiving pay during the last pay period of each month, whether paid on monthly, weekly, hourly, or piece-work basis, whose wages are reported in Item C1, of Part I on the previous page.

Do not include employees reported in Sections A, B, C2, C3, C4 and D, of Part I and in Part 2.

Month	Male	Female
	No.	No.
March, 1961		
June, 1961		
September, 1961		
December, 1961		
For D.B.S. Use Only		

Short Form

APPENDIX II - Continued

DOMINION BUREAU OF STATISTICS

OTTAWA - CANADA

Industry and Merchandising Division

ANNUAL CENSUS OF MANUFACTURES

GENERAL SCHEDULE

1961

Please make any necessary changes in above Name or Mailing Address

The Census of Manufactures is authorized by the Statistic Act, Chap. 257, Revised Statutes of Canada, 1952, which makes the filing of returns by every manufacturer compulsory. **Thirty days** are allowed for the completion and submission of this report.

COMPLETE THIS BOX IF THIS ESTABLISHMENT DID NOT OPERATE AT ALL DURING 1961, OR CHANGED OWNERSHIP

1. NO OPERATION

If this establishment did not operate at all during 1961, kindly check here ☐ and return the form after completing, if applicable, the questions below on Change of Ownership or Status.

2. CHANGE OF OWNERSHIP OR STATUS

If this establishment changed ownership during 1961, complete (a), (b), or (c):

(a) Business sold by you on (date)

To
Name and address of present owner

(b) Went out of business on
(no new owner) (date)

(c) Business purchased by you on (date)

From
Name and address of previous owner

3. ACTUAL PHYSICAL LOCATION OF THIS ESTABLISHMENT

Street and number

City, town or village

County or Census Division

Province

Is this establishment within the actual legal boundaries of the city, town or village given above? ☐ Yes ☐ No

If the answer is No, kindly give below an indication of its location, such as parish or township in the East; division or township, range, meridian in the West.

4. (a) NATURE OF TRADE OR BUSINESS (describe briefly)

(b) NAME UNDER WHICH THIS ESTABLISHMENT CARRIED ON BUSINESS

5. TYPE OF ORGANIZATION (check one)

Individual Ownership ☐ Partner-ship ☐ Incorporated Company ☐ Incorporated Co-operative ☐ Unincorporated Co-operative ☐

6. EMPLOYMENT AND PAYROLL OF THIS ESTABLISHMENT FOR CALENDAR YEAR

	Salaries, wages, bonuses, commissions, etc., before payroll deductions (omit cents)	Give the average number employed		
		Male	Female	Total
(a) Working Owners or Partners (unincorporated companies only). Report all withdrawals during the year for normal living expenses for self and family. Do not include withdrawals for payment of income tax	\$	No.	No.	No.
(b) Administrative, sales and office employees				
(c) All other employees				
TOTAL				

I hereby certify that the information given in this report is substantially complete and correct to the best of my knowledge and belief.
(Complete other side before signing)

Signature of person making this report

Official position Date

Business address of signer

Period covered by this report From 19 To 19

APPENDIX II - Concluded

(Omit cents)

7. REVENUE OF THIS ESTABLISHMENT (except rent, interest and dividends)

Report the selling value (less sales taxes and excise duties) of all goods and services sold by this establishment during the year, including repair and custom work.

3

8. PRODUCTS MANUFACTURED IN THIS ESTABLISHMENT

Report the value (less sales taxes and excise duties) of sales or shipments of goods of own manufacture and receipts for repair and custom work. Do not include goods bought and re-sold in the same condition as purchased; since these (if any) were included in section 7 above, the total value reported below need not agree with that of section 7.

Products of own manufacture sold or shipped	Unit of measure	Quantity sold or shipped	Value less sales taxes and excise duties (omit cents)
1.			\$
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			
17.			
18.			
19.			
20.			
21.			
22.			
23.			
24.			
25.			
26. Other products (specify large items separately)			
.....			
.....			
.....			
27. Amount received for repair and custom work			
28. Total Value			

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