

CATALOGUE No.

31-208

ANNUAL



CANADA

DOMINION BUREAU
OF STATISTICS

APR 24 1963

PROPERTY OF THE
LIBRARY

MANUFACTURING INDUSTRIES OF CANADA

Section F

BRITISH COLUMBIA, YUKON AND NORTHWEST TERRITORIES

1960

DOMINION BUREAU OF STATISTICS

Industry and Merchandising Division

DOMINION BUREAU OF STATISTICS
Industry and Merchandising Division

MANUFACTURING INDUSTRIES OF CANADA
Section F
BRITISH COLUMBIA, YUKON AND NORTHWEST TERRITORIES
1960

Published by Authority of
The Minister of Trade and Commerce

March 1963
6521-508

Price: 50 cents

EXPLANATORY NOTES

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

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

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

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

Employees

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

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, ware-

housing and delivery staffs. Employees on new construction work, in retail or wholesale operations, on outside piece work etc. are not included.

Production workers are reported by months, an average for the year being obtained by summing the monthly figures and dividing by twelve. This procedure is followed even though the plant did not operate in all months. Figures on employment refer to calendar years whether or not some establishments reported other data on a 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 but not their withdrawals for income tax. Wages refer to the amounts paid to production and related workers as defined above. Data on earnings refer to the calendar year whether or not some establishments reported other data on a financial year basis.

Cost of Fuel and Electricity

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

Materials and Supplies Used

Figures represent quantities and laid-down cost values, at the works, of materials and supplies actually used during the 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 refer to shipments of goods made from own materials either in the reporting plant or by other manufacturers on the basis of a charge to the reporting plant for work done. All products and by-products shipped from the establishment are included whether for domestic use, export, or for government departments. Transfer shipments to sales outlets, distributing warehouses or to other manufacturing units of the reporting firm are included. Goods bought or received as transfers

and resold without further processing are not included. Values are computed on f.o.b. plant or plant warehouse basis, and do not include sales tax or excise duties. Values of containers not returnable are included. Amounts 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 values of manufacturing inventories owned and held at the reporting plant. Figures include inventories held in warehouses or selling outlets which have been included with plant operations for purposes of reporting shipments.

Value added by Manufacturing

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

Standard Industrial Classification

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

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

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 office supplies used, advertising, insurance and other goods and services obtained from other businesses. Data on these inputs are not collected on the annual Census of Manufactures. Value added figures for "The primary industries and construction" are published in D.B.S. publication 61-202, *Survey of Production*.

changes have occurred the principal statistics for 1957, 1958 and 1959 have been re-compiled to provide data on a basis comparable with those for 1960.

Short Forms

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

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

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

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

TABLE OF CONTENTS

Table	Page
1. Principal Statistics of the Manufacturing Industries of Canada, by Provinces, 1960	13
2. Principal Statistics of the Manufacturing Industries of British Columbia, Compared, 1959 and 1960.	13
3. Principal Statistics of the Manufacturing Industries of British Columbia, 1931-60	14
4. Principal Statistics of the Leading Industries of British Columbia, 1960	15
5. Principal Statistics of British Columbia by Industrial Groups, 1957 and 1960	16
6. Principal Statistics of the Individual Industries of British Columbia, 1960	20
7. Principal Statistics of the Manufacturing Industries of Yukon and Northwest Territories, 1939-60.....	33
8. Principal Statistics of the Manufacturing Industries of Yukon and Northwest Territories, Compared, 1959 and 1960	33
9. Principal Statistics of the Individual Industries of Yukon and Northwest Territories, 1960	34

MANUFACTURING INDUSTRIES OF CANADA

Section F

BRITISH COLUMBIA, YUKON AND NORTHWEST TERRITORIES

1960

Manufacturing statistics for 1960 were compiled in accordance with the Revised Standard Industrial Classification. The main feature of the revisions was the classification of manufacturing industries into twenty main groups in place of the eighteen groups formerly used. Furniture and fixtures was established as a new group while the Iron and steel products and Non-ferrous metal products groups were rearranged into three groups as follows:

- (a) Primary metal industries
- (b) Metal fabricating (excluding machinery and transportation equipment)
- (c) Machinery industries (excluding electrical machinery)

Individual industries in the Primary metal industries group can be distinguished between Iron and steel and Non-ferrous metals, but in the metal fabricating group no such distinction is possible. Developments in metallurgical processes and the use of alloys have resulted in alloy steels and non-ferrous alloys being used interchangeably for many purposes so that individual establishments and industries cannot now be classified on the basis of type of materials used. Also the machinery industries have become sufficiently important to constitute a major group which is both distinctive and homogeneous.

The S.I.C. in effect prior to 1960 provided for a separate Coke and gas industry as part of the Products of petroleum and coal group. This industry included, in addition to gas plants operated as utilities, those coke plants operated as divisions of (a) chemical plants and (b) wholly integrated steel mills. The new S.I.C. implemented in 1960 consolidated these divisional coke operations with the major activity in the appropriate industry and at the same time transferred the gas plants operated as utilities out of manufacturing to the Electric power, gas and water utilities group. The net effect of these changes was the complete abolition of the Coke and gas industry as a separate industry in the new S.I.C.

The consolidation of the divisional coke operations mentioned above, particularly those operated by the wholly integrated steel mills, had a major impact on the overall cost of materials reported on the revised S.I.C. Under the old S.I.C. basis. Coal which accounted for the major material cost in the old Coke and gas industry was, in effect, double counted, once as coal in the Coke and gas industry and again as coke in the Primary iron and steel industry. This double counting of coal was eliminated by the consolidation of these coking operations in accordance with the revised S.I.C. Under the latter concept the coke previously reported separately as part of the material cost in the old Primary

iron and steel industry is treated as an intermediate product of the steel mills and, accordingly, cost of same is not recorded. The effect of this treatment is a reduction in the overall cost of materials under the revised S.I.C.

The main differences between the revised and old classifications can be summarized as follows:

Foods, Beverages

Poultry processors are added as a separate industry. Under the old classification only the poultry processed by slaughterers and meat packers was included in the annual survey of manufactures. Now all establishments primarily engaged in killing, dressing, packing or canning poultry are included with manufacturing.

Vegetable oil mills are transferred to this group. Formerly they were included with Chemicals and allied products.

Textile Industries

Fibre preparing mills are constituted as a separate industry. These establishments were formerly included with:

- Miscellaneous cotton goods
- Miscellaneous woollen goods
- Miscellaneous textiles

Pressed and punched felt mills are constituted as a separate industry. These establishments were formerly included with:

- Miscellaneous woollen goods
- Miscellaneous cotton goods

Thread mills now include all establishments producing thread, regardless of the nature of the fibre used. Formerly only manufacturers of cotton thread were included with the Cotton thread industry.

The former Miscellaneous cotton goods and Miscellaneous woollen goods industries have been discarded.

The establishments of Miscellaneous cotton goods were transferred mostly to Fibre Preparing mills and Pressed and punched felt mills.

The establishments of Miscellaneous woollen goods were transferred mostly to Woollen cloth mills and Pressed and punched felt mills.

Clothing Industries

Fur dressing and dyeing was transferred to the Miscellaneous group of industries.

Wood Industries

Furniture industry was transferred from this group to the new group: Furniture and fixtures industries.

Furniture and Fixtures Industries

This group now includes the old Furniture industry plus establishments manufacturing furniture that were formerly included with the metal and miscellaneous industries groups. This group is now composed of the following industries:

- (a) Household furniture
- (b) Office furniture
- (c) Other furniture industries
- (d) Electric lamp and shade industry (formerly included with the Miscellaneous Group of industries).

Printing, Publishing and Allied Industries

Publishers of non-commercial periodicals, such as institutional publications, constituting over 1,000 reporting units are now excluded from the manufacturing sector. Included now, however, are publishers (only) of books which were formerly excluded.

Electrical Products Industries

1. Eight industries were established in place of the five industries formerly used.

2. In general, the new S.I.C. industry, Manufacturers of electrical industrial equipment, compares to the old S.I.C. industry, Heavy electrical machinery and equipment.

3. In the new S.I.C. two new industries, Manufacturers of household radio and television receivers and Communications equipment manufacturers are a split of the old S.I.C. industry, Telecommunications equipment. There is one significant change in the group in the transfer of manufacturers of telephone equipment from the old S.I.C. industry, Miscellaneous electrical products to the new S.I.C. Communications equipment manufacturers.

4. Also in the new S.I.C. two new industries, Manufacturers of small electrical appliances and Manufacturers of major appliances (electric and non-electric) take the place of the old S.I.C. industry, Refrigerators, vacuum cleaners and appliances. The significant change here is the transfer of Manufacturers of washing machines and sewing machines from the old S.I.C. industry, Household, Office and store machinery and Stoves, electric and non-electric, from the old S.I.C. industry, Heating and cooking apparatus to the new S.I.C. industry, Major appliances (electric and non-electric).

5. Another new S.I.C. industry, Manufacturers of electric wire and cable was split out of the old S.I.C. industry, Miscellaneous electrical products.

6. The industry Battery manufacturers in the new S.I.C. is unchanged from the old S.I.C. industry, Batteries except for the change in title.

The following changes were made in the Metal and machinery industries;

Revised Classification	Old Classification
Primary metals	
Iron and steel mills	
Steel pipe and tube mills	
Iron foundries	
Smelting and refining	
Aluminum rolling, casting and extruding	
Copper and alloy rolling, casting and extruding	
Metal rolling, casting and extruding, n.e.s.	
Metal fabricating industries (excluding machinery industries)	
Boiler and plate works	
Fabricated structural metal industry	
Ornamental and architectural metal industry	
Metal stamping, pressing and coating industry	
Wire and wire products manufacturers (excluding electric wire and cable)	
Hardware, tool and cutlery manufacturers	
Heating equipment manufacturers ¹	
Machine shops ²	
Miscellaneous metal fabricating industries	
Machinery industries (excluding electrical machinery)	
Agricultural implement industry	
Miscellaneous machinery and equipment manufacturers	
Commercial refrigeration and air conditioning equipment manufacturers	
Office and store machinery manufacturers	
	Iron and steel products
	Agricultural implements
	Boilers, tanks and plate work
	Bridge and structural steel work
	Castings, iron
	Hardware, tools and cutlery
	Heating and cooking apparatus
	Machinery, household, office and store
	Machinery, industrial
	Machine shops
	Machine tools
	Primary iron and steel
	Sheet metal products
	Wire and wire goods
	Miscellaneous iron and steel products
	Non-ferrous metal products
	Aluminum products
	Brass and copper products
	Jewellery and silverware ³
	Non-ferrous metal smelting and refining
	White metal alloys
	Miscellaneous non-ferrous metal products

¹ Domestic stoves and ranges now included with Manufacturers of major appliances in the Electrical products group.

² Now includes tool and die making.

³ Transferred to Miscellaneous group of industries.

Non-metallic Mineral Products Industries

The Salt industry which was formerly considered both as mining as well as manufacturing is now considered only as a mining operation and has therefore been transferred to the Mining sector.

Petroleum and Coal Products Industries

Absorption plants transferred from the Petroleum refining industry to the Mining sector.

Chemical and Chemical Products Industries

The revised classification provides for a breakdown of the Chemical group into ten separate industries under the new title of Chemical and chemical products industries. This corresponds generally to the group formerly presented as Chemicals and allied products, except for the Vegetable oils industry which was transferred from the Chemical group to the Food and beverage industries group. The implementation of the new classification introduced a number of intra-industry changes, as follows:

1. Transfer of the Vegetable oils industry to the Food and beverage industries group.

2. Transfer of firms manufacturing fertilizer materials, such as ammonium nitrate, ammonium phosphate, etc., from the Fertilizers industry (old basis) to the new S.I.C. industry Manufacturers of industrial chemicals. Manufacturers of superphosphate will continue to be classified to the new S.I.C. industry, Manufacturers of mixed fertilizers, along with firms manufacturing mixed fertilizers.

3. The abolition of the Coal tar distillation industry, the Compressed gases industry, the Adhesives industry and the Polishes and dressings industry as separate industries. Details formerly presented for the Compressed gases industry will now be included as part of the new S.I.C. industry, Manufacturers of Industrial chemicals. The remaining three industries will be included in the new S.I.C. industry, Other chemical industries, n.e.s.

4. Details relating to the manufacture of writing inks will now be included as part of the new S.I.C. industry, Other chemical industries, n.e.s.; printing inks will be covered separately in a new subdivision, Manufacturers of printing inks.

5. Statistics relating to the manufacture of synthetic rubber, previously included in the Miscellaneous chemical products industry (old basis) will now be included in the new S.I.C. industry, Manufacturers of Industrial chemicals.

6. Data relating to the manufacture of explosives, previously presented in the Miscellaneous chemical products industry (old basis) are now to be shown separately in a new S.I.C. industry, Explosives and ammunition manufacturers.

7. Changes in the following industries resulting from the implementation of the new S.I.C. may be generally considered as minimal. Manufacturers of pharmaceuticals and medicines (formerly the Medicinal and pharmaceutical preparations industry); Paint and varnish manufacturers (formerly the Paints, varnishes and lacquers industry); Manufacturers of soap and cleaning compounds (formerly the Soaps, washing compounds and cleaning preparations industry); Manufacturers of toilet preparations (formerly the Toilet preparations industry).

Miscellaneous Industries

Dental laboratories added as a new industry for the first time.

Venetian blind manufacturers now forms a separate industry. Formerly classified with Miscellaneous wood industries.

Fur dressing and dyeing transferred from the Clothing industries to this group.

Jewellery and silverware transferred from the Non-ferrous metal products to this group.

Electric lamp and shade industry transferred from this group to the Furniture and fixtures group.

The changes in classification listed above, the addition of new industries and the transfer of industries from manufacturing to other sectors of the economy, make it extremely difficult to compare the manufacturing statistics compiled on the revised classification basis with those compiled on the old basis. In order to get comparability for 1960 figures with those for back years, the statistics of manufactures have been recompiled on the new basis back to 1957. In order to serve as a guide for revising the figures for total manufacturing for back years, the following tables indicate the major adjustments made in changing to the revised basis. Although adjustments can be made for manufacturing as a whole on a more or less comparable basis for back years, for some of the major groups, however, this is impossible without a complete recompilation of the individual returns.

Reconciliation of the Revised Manufacturing Statistics for 1959 on the New Standard Industrial Classification Basis, with the Statistics Previously Published on the Old Standard Industrial Classification Basis

	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments
	number		dollars		
1959 - Unrevised	36,193	1,303,956	5,073,073,706	12,552,200,543	23,311,601,481
1959 - Revised	35,075	1,300,765	5,062,744,615	12,496,864,441	23,204,208,671
<i>Difference (Minus)</i>	<i>1,118</i>	<i>3,191</i>	<i>10,329,091</i>	<i>55,336,102</i>	<i>107,392,810</i>
Industries removed from the manufacturing sector:					
Salt (transferred to Mining)	15	926	3,903,318	3,419,626	20,224,407
Absorption plants (transferred to Mining)	15	474	2,581,722	7,169,778	17,690,408
Publishing (only) of periodicals ¹	1,041	1,250	2,464,456	10,523,207	12,833,060
All other industries ²	47	541	1,379,595	34,223,491	56,644,935
Total	1,118	3,191	10,329,091	55,336,102	107,392,810

¹ Non-commercial periodicals such as house organs etc. have been discarded.

² See text on page 7 for the explanation of the reduction in the cost of materials and value of factory shipments. About \$47,000,000 of the loss in the value of shipments is accounted for by the disappearance of coke as a commodity.

Reconciliation of Revised 1960 Manufacturing Statistics with the Revised Figures for 1959

	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments
	number		dollars		
Manufacturing statistics, 1960	36,682	1,294,629	5,207,167,393	12,705,070,820	23,747,457,083
Less new industries added in 1960:					
Poultry processors	245	4,764	11,297,426	99,437,265	119,235,468
Dental laboratories	499	1,720	6,736,498	2,690,692	12,114,820
Total deduction	744	6,484	18,033,924	102,127,957	131,350,288
1960 - Net	35,938	1,288,145	5,189,133,469	12,602,942,863	23,616,106,795
1959 - Net	35,075	1,300,765	5,062,744,615	12,496,864,441	23,204,208,671
Difference between 1960 and 1959	+ 863	- 12,620	+ 126,388,854	+ 106,078,422	+ 415,298,124
Percentage difference	-	- 1.0	+ 2.5	+ 0.8	+ 1.8

Note: The figures in the above tables refer to Canada.

GENERAL REVIEW, 1960

British Columbia, with factory shipments valued at \$1,936,917,630, ranked third among the provinces in manufacturing production. In spite of the rapid industrialization of other provinces, British Columbia succeeded in increasing its share of the total Canadian output. This is reflected in the increase in the total from 7.1 p.c. in 1939 to 8.6 p.c. in 1956. With the minor decline in business activity and the drop in the export of lumber and its products, British Columbia in 1957 was affected more than Canada as a whole, with the result that its share of total shipments dropped to 8.05 p.c. Some improvement took place during the following three years, with the percentage rising to 8.16 in 1960.

Forest resources, fisheries, minerals and electric power have given a broad base and wide diversification to its industrial development. While Ontario and Quebec have an outstanding predominance in each of the major industrial groups of the Standard Industrial Classification, in the production of wood products, exclusive of furniture however, British Columbia with 52 p.c. of the Canadian total holds the dominant position, outranking both Ontario and Quebec which account respectively for 17 and 19 p.c. of the total.

Emphasizing the importance of the forests in the industrial life of the Province, the sawmilling industry ranked first with a gross value of factory shipments of \$384,227,057, and pulp and paper second with \$256,731,375. Third in importance was the petroleum products industry with factory shipments valued at \$106,688,286. This industry received a great impetus in the completion of the Trans-Mountain oil pipeline. In 1953, with shipments valued at \$40,562,462 it ranked seventh, and contributed about 3 p.c. to the total value of factory shipments of the Province. In 1954 it assumed third place with the proportion of the total increasing to 5.5 p.c., with a further increase to 7.4 p.c. in 1958. In 1959 and 1960 both the value of shipments and the percentage of the total declined. Value of shipments were down 20 p.c. and the percentage of the total declined to 5.5. The drop in the value of shipments and the proportion of the total is due mainly to a change in the level of reporting unit values which were lower than the method formerly used would have given. British Columbia also leads in the production of veneer and plywood, contributing 61 p.c. of the Canadian total in 1960. This industry with shipments valued at \$82,891,001 was in fourth place. Sash, door and planing mills were in fifth place with shipments valued at \$71,522,221. In sixth place, with shipments valued at \$67,564,005 was fish processing, based principally in the estuarial salmon fisheries. British Columbia accounted for approximately 40 p.c. of the output of the fish processing industry in 1960, and plays a large part in making Canada the largest fish exporting nation in the world. Other important industries are: slaughtering and meat packing plants, pasteurizing plants, miscellaneous food manufacturers, manufacturers of industrial chemicals,

fruit and vegetable canners and preservers, printing and publishing, bakeries, shipbuilding and repairs, etc. The non-ferrous metal smelting and refining industry also ranks among the leading industries. Information, however, cannot be published as there are less than three smelters in operation.

A feature of recent progress has been that new developments are taking place in areas far removed from accepted industrial centres. Crowding lines of communication and transportation are fanning out from and leading into formerly locked interior communities to tap a vast new potential and offer new sources of provincial economic unity and strength. Factories and plants in remote sections are drawing greater value in employment and dollars from natural resources. The growth of the province industrially may be indicated by the increase in employment which is more than two and one-half times the pre-war figure. In dollar terms, gross value of manufacturing is also up 680 p.c. since 1939. The consumption of 8.1 billion kwh. of electric power by manufacturers during 1959 marks a steady upward climb of 200 per cent in the past decade.

British Columbia ranks second among the provinces in available water-power resources, and its hydraulic development which at the end of 1960 totalled 3,700,326 h.p. out of a Canadian total of 26,372,444 h.p. is exceeded only by Quebec and Ontario. Present developments are located chiefly in the southern part of the Province where a number of important sites are still available for development. The British Columbia Electric Company, with a total hydro-electric capacity of 1,385,835 h.p. is the major producer and distributor in the province. The largest single development in British Columbia is the Kemano-Kitimat plant of the Aluminum Company of Canada with a total developed capacity of 1,050,000 h.p. and an ultimate capacity of 2,000,000 h.p. This power will be used in the production of aluminum which is a new product for British Columbia. Present capacity of the smelter is about 200,000 tons per annum, a production which will further strengthen Canada's position as an important source of this vital metal.

Manufacturing establishments reporting in 1960 numbered 3,995. These plants furnished employment to 100,507 persons who were paid \$439,368,651 in salaries and wages. They also shipped goods with a selling value at the factory of \$1,936,917,630 and spent \$1,026,998,973 for materials, while the value added by manufacture totalled \$853,836,400.

In spite of the substantial declines during 1957 and 1958, manufacturing in British Columbia fared better than Canada as a whole. In comparing 1959 with 1953 it is found that for British Columbia employment was 7.8 p.c. higher while for Canada as a whole it was 1.8 p.c. lower. Also in value of shipments British Columbia reported an increase of 37.2 p.c. as compared with 31.1 p.c. for Canada as

a whole. There was an expansion in manufacturing production in British Columbia during 1954; at a time when the rest of Canada was experiencing a minor recession. For Canada as a whole there was a drop of 4.5 p.c. in the number of employees and 1.3 p.c. in value of shipments. British Columbia was the only province in 1954 to report increased employment, the increase being 2.2 p.c. Although British Columbia was not the only province to report increased shipments that year, the increase of 7.9 p.c. was, however, the highest of any province. In common with other provinces manufacturing in British Columbia continued to expand during 1955 and 1956. It reported the second highest increase in employment and value of factory shipments, Alberta

being first in both respects. The expanding trend in production in British Columbia was checked in 1957. Employment and factory shipments declined in 1957 as well as in 1958. There was a moderate increase in employment in 1959 with another moderate decline in 1960. As a result of these fluctuations manufacturing employment in British Columbia declined by 7.4 p.c. during the period 1956-60. Salaries and wages, however, were 11.6 p.c. higher and shipments 4.2 p.c. higher. The decline in manufacturing production in British Columbia was more severe than for Canada as a whole which experienced a decline of only 4.3 p.c. in employment and increases of 13.9 p.c. in salaries and wages paid and 9.8 p.c. in value of factory shipments.

TABLE 1. Principal Statistics of the Manufacturing Industries of Canada by Provinces, 1960

Basis: Revised Standard Industrial Classification, adopted in 1960

Provinces	Estab-lish-ments	Em-ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture ¹	Selling value of factory shipments
	number		dollars			
Newfoundland	635	9,489	32,703,188	58,903,797	64,650,269	129,284,578
Prince Edward Island	184	1,806	4,254,917	21,220,060	8,690,360	30,231,361
Nova Scotia	1,278	28,606	92,280,125	220,292,841	174,808,237	406,182,088
New Brunswick	901	22,267	71,586,377	209,113,069	158,035,175	377,110,146
Quebec	11,961	433,949	1,620,314,474	3,881,172,827	3,172,769,694	7,206,096,003
Ontario	13,387	603,467	2,585,676,553	6,126,027,277	5,319,683,901	11,685,675,652
Manitoba	1,592	42,339	154,263,811	419,583,431	306,434,692	738,457,346
Saskatchewan	887	12,918	49,764,266	215,404,848	119,776,935	344,773,261
Alberta	1,848	39,157	156,339,528	524,908,916	353,197,544	889,657,800
British Columbia	3,995	100,507	439,368,651	1,026,998,973	853,836,400	1,936,917,630
Yukon and Northwest Territories ..	14	124	615,503	1,444,781	1,325,787	3,071,218
Canada	36,682	1,294,629	5,207,167,393	12,705,070,820	10,533,208,994	23,747,457,083

¹ Calculated value of production (shipments plus closing inventory, minus opening inventory of goods in process and finished products) less cost of materials and fuel and electricity used.

TABLE 2. Principal Statistics Compared, 1959 and 1960

Principal statistics	1959	1960	+ Increase - Decrease
Establishments No.	3,891	3,995	+ 104
Administrative and office employees:			
Male "	15,835	16,393	+ 558
Female "	4,936	5,218	+ 282
Salaries \$	106,497,609	114,840,959	+ 8,343,350
Production workers:			
Male No.	71,499	70,176	- 1,323
Female "	8,677	8,720	+ 43
Wages \$	314,132,336	324,527,692	+ 10,395,356
Cost of fuel and electricity \$	50,173,974	51,757,577	+ 1,583,603
Cost at plant of materials used \$	974,483,535	1,026,998,973	+ 52,515,438
Value added by manufacture ¹ \$	852,929,943	853,836,400	+ 906,457
Selling value of factory shipments \$	1,872,399,846	1,936,917,630	+ 64,517,784

¹ Calculated value of production (shipments plus closing inventory, minus opening inventory of goods in process and finished products) less cost of materials and fuel and electricity used.

TABLE 3. Principal Statistics of the Manufacturing Industries of British Columbia, 1931-60

Year	Estab- lish- ments	Capital	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture ¹	Gross value of products ²
	No.	\$	No.	dollars			
1931 ³	1,502	288,584,627	31,526	39,082,688	81,705,458	75,208,620	162,511,643
1932 ³	1,504	265,283,088	26,806	30,100,392	65,813,019	58,036,004	128,417,353
1933 ³	1,552	263,195,652	28,417	28,469,225	70,166,220	59,034,923	133,879,330
1934 ³	1,636	269,148,907	32,500	34,497,598	88,144,919	70,618,614	164,224,051
1935 ³	1,670	262,422,968	36,324	39,980,553	105,661,599	73,291,063	184,886,485
1936 ³	1,695	250,686,403	39,796	45,854,374	121,362,118	87,780,346	216,136,078
1937 ³	1,713	256,011,093	42,576	51,979,393	144,466,346	99,359,051	251,924,258
1938 ³	1,785	264,615,506	42,213	52,044,823	127,196,430	90,471,828	225,585,489
1939	1,710	274,969,502	42,554	53,881,994	136,655,872	103,263,292	247,948,600
1940	1,879	300,841,677	49,768	66,727,184	170,357,991	130,206,263	311,046,478
1941	1,905	340,609,179	62,447	89,256,478	219,755,738	181,232,637	412,957,807
1942	1,990	388,649,300	89,570	148,782,063	270,823,072	272,926,065	558,137,606
1943	1,961	450,360,048	102,221	185,711,773	294,445,005	341,699,478	652,046,313
1944	2,116	"	96,062	178,639,118	303,560,016	337,137,197	655,844,689
1945	2,326	"	87,974	160,419,133	305,759,836	307,954,519	628,903,124
1946	2,731	"	75,484	137,506,645	335,708,533	293,352,652	644,527,898
1947	3,040	"	83,161	167,282,667	453,670,677	388,702,178	858,284,592
1948	3,525	"	86,599	193,954,224	549,275,003	417,600,758	985,516,621
1949	3,493	"	82,934	196,403,722	531,112,329	409,665,348	959,008,088
1950	3,696	"	87,375	216,656,977	634,177,837	479,606,261	1,133,016,956
1951	3,897	"	93,647	262,626,283	789,840,417	592,448,565	1,404,880,341
1952	4,225	"	92,667	283,530,976	751,011,248	556,172,312	1,332,481,862
1953	4,317	"	93,844	300,921,318	724,495,754	615,686,215	1,366,823,690
1954	4,462	"	95,867	319,802,914	794,885,369	651,812,950	1,474,156,242
1955	4,486	"	102,408	353,810,727	895,973,668	750,877,508	1,679,344,816
1956	4,393	"	108,595	393,869,388	1,007,882,346	824,249,273	1,859,368,466
1957	4,250	"	105,631	405,129,932	985,519,123	767,914,301	1,785,298,750
1958	4,072	"	100,222	406,628,209	965,939,626	786,620,211	1,798,960,459
1959	3,992	"	101,168	421,405,086	974,924,176	848,404,204	1,875,142,125
Basis: Revised Standard Industrial Classification, adopted in 1960							
1957 ⁵	4,125	"	105,407	404,610,392	985,859,605	754,984,689	1,784,584,765
1958 ⁵	3,952	"	99,900	405,767,584	961,320,605	788,363,705	1,792,120,923
1959 ⁵	3,891	"	100,947	420,629,945	974,483,535	852,929,943	1,872,399,846
1960 ⁵	3,995	"	100,507	439,368,651	1,026,998,973	853,836,400	1,936,917,630

¹ For the years 1931-51, the value added by manufacture is computed by subtracting the cost of fuel, electricity and materials used from the gross value of products. For 1952, 1953 and 1957, the deduction is made from the value of factory shipments in 1954 and subsequent years from the calculated value of production. In 1954 and 1955 the value of production was obtained by adjusting shipments for inventory change of finished goods only, while in 1956 and subsequent years adjustments were made for both goods in process and finished goods. The figures for value added for 1956 and subsequent years are therefore comparable with 1951 and earlier years. (See footnote 1, Table 1).

² In 1952 and subsequent years the basis of collection is "Value of factory shipments" instead of "Gross value of products".

³ Includes Yukon and Northwest Territories.

⁴ Not collected.

⁵ Principal statistics for 1957, 1958 and 1959 have been re-compiled to provide data on a basis comparable with those for 1960. Statistics for 1960 include two industries which were not covered in previous year: "Poultry Processors" in the "Food and Beverage Industries" group and "Dental Laboratories" in the "Miscellaneous Manufacturing Industries" group. (See text page 1.)

TABLE 4. Principal Statistics of the Leading Industries of British Columbia, 1960

Basis: Revised Standard Industrial Classification, adopted in 1960.

No.	Industries	Estab-	Em-	Salaries and wages	Cost at plant of materials used	Value added by manufacture ¹	Selling value of factory shipments
		lish- ments	ployees				
		number		dollars			
1	Saw mills (including shingle mills)	1,222	26,791	107,965,077	209,557,535	168,362,162	384,227,057 ²
2	Pulp and paper mills	14	8,695	49,334,620	94,437,237	148,646,669	256,731,375
3	Petroleum refining	7	1,379	8,440,519	78,556,066	22,617,965	106,688,286 ²
4	Veneer and plywood mills.....	18	6,034	26,725,331	47,799,853	34,827,342	82,891,001
5	Sash and door and planing mills (excluding hardwood flooring) ..	202	3,522	14,273,103	48,278,250	21,845,110	71,522,221
6	Fish products industry	43	2,555	9,202,043	35,527,000	20,237,633	67,564,005
7	Slaughtering and meat packing plants.....	17	1,579	7,350,613	49,003,258	11,984,871	60,846,392
8	Pasteurizing plants	50	2,059	8,552,943	26,802,938	14,510,599	42,118,617
9	Miscellaneous food manufacturers	42	852	3,350,884	29,394,459	11,567,730	41,252,259
10	Manufacturers of industrial chemi- cals	16	1,417	6,908,077	17,295,496	23,173,039	39,423,566
11	Fruit and vegetable canners and preservers	49	1,955	5,532,323	23,331,486	12,077,751	34,325,786
12	Printing and publishing.....	88	3,222	15,584,617	7,151,463	26,834,422	34,270,725
13	Bakeries	322	3,432	11,970,874	13,544,281	17,547,621	32,033,308
14	Shipbuilding and repair	20	2,603	13,084,458	7,063,620	17,891,008	25,297,951 ²
15	Metal stamping, pressing and coat- ing industry	48	1,059	5,520,896	12,583,793	11,180,871	23,266,306
16	Feed manufacturers	43	641	2,543,017	17,266,767	4,884,711	22,644,390
17	Miscellaneous machinery and e- quipment manufacturers.....	46	1,555	7,321,198	8,030,269	12,865,057	21,160,580
18	Breweries	7	594	2,858,845	4,548,567	15,514,168	20,532,982
19	Fabricated structural metal indus- try	5	1,225	6,511,628	9,431,125	8,663,781	18,603,723 ²
20	Household furniture industry	180	1,294	4,576,668	6,878,242	6,729,262	13,749,589
21	Other leading industries ³	5	6,259	32,992,841	112,796,196	73,692,755	193,528,244
Totals, leading industries		2,444	78,722	350,600,575	859,277,901	685,654,527	1,592,678,363
Totals, all manufacturing in- dustries		3,995	100,507	439,368,651	1,026,998,973	853,836,400	1,936,917,630

¹ See footnote 1, Table 3.

² Reported on a production basis.

³ Includes, Corrugated boxes manufactures, Smelting and refining, and Sugar refineries.

TABLE 5. Principal Statistics, by Industrial Groups, 1957-60¹

No.	Industrial group	Estab- lish- ments	Administrative and office employees			Production workers		
			Male	Female	Salaries	Male	Female	Wages
			number		\$	number		\$
1957								
1	Food and beverage industries	689	2,306	1,042	13,904,523	9,516	4,240	42,616,002
2	Tobacco products industries	3	3	3	3	3	3	3
3	Rubber industries	5	11	4	85,118	38	10	151,257
4	Leather industries	21	37	28	282,825	195	204	929,721
5	Textile industries	43	115	46	711,887	217	373	1,432,956
6	Knitting mills	5	15	13	141,034	35	225	579,181
7	Clothing industries	60	138	85	939,296	244	1,103	2,927,253
8	Wood industries	1,849	4,738	899	23,850,991	30,870	1,138	111,245,009
9	Furniture and fixture industries	232	383	119	1,973,546	1,340	290	4,950,724
10	Paper and allied industries	43	1,504	463	11,853,357	6,566	584	29,489,312
11	Printing, publishing and allied industries ..	301	1,490	835	9,024,478	2,460	444	11,030,421
12	Primary metal industries	51	1,144	290	7,971,443	6,288	39	28,370,568
13	Metal fabricating industries (except ma- chinery and transportation equipment in- dustries).....	266	1,134	279	7,095,159	4,619	190	19,993,100
14	Machinery industries (except electrical ma- chinery)	51	517	165	3,346,282	1,804	90	7,807,294
15	Transportation equipment industries	109	719	211	4,524,451	5,196	9	23,331,719
16	Electrical products industries	44	249	108	1,880,455	576	135	2,304,879
17	Non-metallic mineral products industries ...	94	328	66	1,788,003	1,624	28	6,487,802
18	Petroleum and coal products industries	7	463	103	3,024,821	881	-	3,966,125
19	Chemical and chemical products industries	95	658	193	3,826,920	1,591	96	6,380,769
20	Miscellaneous manufacturing industries ⁴	160	295	106	1,535,452	656	194	2,856,259
21	Totals, 1957	4,125	16,244	5,055	97,760,041	74,716	9,392	306,850,351
1958								
22	Food and beverage industries	685	2,223	945	13,494,651	9,091	3,928	44,442,649
23	Tobacco products industries	-	-	-	-	-	-	-
24	Rubber industries	6	11	8	91,340	27	7	129,199
25	Leather industries	18	31	28	258,711	149	176	754,092
26	Textile industries	40	117	48	744,765	220	390	1,542,563
27	Knitting mills	4	15	11	134,038	39	236	565,725
28	Clothing industries	59	132	83	980,864	219	999	2,860,555
29	Wood industries	1,705	4,575	889	24,992,317	31,368	1,100	118,082,184
30	Furniture and fixture industries	204	344	108	1,995,117	1,281	284	4,970,125
31	Paper and allied industries	41	1,574	468	12,878,834	6,435	589	33,072,879
32	Printing, publishing and allied industries	291	1,375	884	9,599,784	2,344	494	12,555,196
33	Primary metal industries	46	1,137	298	8,600,680	5,174	39	24,120,298
34	Metal fabricating industries (except ma- chinery and transportation equipment in- dustries).....	286	1,151	319	7,219,362	3,773	201	16,660,666
35	Machinery industries (except electrical ma- chinery)	52	345	101	2,139,551	1,036	25	4,353,808
36	Transportation equipment industries	105	660	204	4,307,107	3,993	7	18,329,566
37	Electrical products industries	39	235	83	1,785,582	505	100	2,358,783
38	Non-metallic mineral products industries	100	346	74	1,989,662	1,494	25	6,069,079
39	Petroleum and coal products industries	11	509	112	3,456,524	914	-	4,563,044
40	Chemical and chemical products industries	97	622	202	4,092,640	1,616	99	6,895,475
41	Miscellaneous manufacturing industries	163	295	124	1,661,721	661	176	3,018,448
42	Totals, 1958	3,952	15,697	4,989	100,423,250	70,339	8,875	305,344,334

¹ See footnote 5, Table 3.² See footnote 1, Table 1.³ Confidential. Included in "Miscellaneous manufacturing industries".

TABLE 3. Principal Statistics, by Industrial Groups, 1957-60¹

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture ²	Selling value of factory shipments	No.
number			dollars			
17, 104	56,520, 525	5,857, 013	244,927, 712	114, 117, 228	364,901, 953	1
,	,	,	,	,	,	2
63	236, 375	19, 553	150, 727	388, 098	558, 378	3
464	1, 212, 546	33, 999	2, 011, 791	1, 760, 265	3, 806, 055	4
751	2, 144, 843	125, 535	5, 100, 323	3, 481, 569	8, 707, 427	5
288	720, 215	12, 811	1, 100, 013	1, 329, 335	2, 442, 159	6
1, 570	3, 866, 549	74, 574	5, 870, 949	5, 749, 753	11, 695, 276	7
37, 645	135, 096, 000	7, 419, 600	282, 775, 143	206, 947, 596	497, 142, 339	8
2, 132	6, 924, 270	249, 091	10, 948, 370	10, 074, 120	21, 271, 581	9
9, 117	41, 342, 669	11, 049, 698	90, 635, 635	99, 482, 235	201, 167, 568	10
5, 229	20, 054, 899	466, 391	13, 489, 154	35, 370, 361	49, 325, 906	11
7, 761	36, 342, 011	8, 052, 311	120, 798, 538	55, 610, 332	184, 461, 181	12
6, 222	27, 088, 259	1, 053, 056	48, 639, 837	45, 951, 149	95, 644, 042	13
2, 576	11, 153, 576	316, 016	13, 044, 488	17, 210, 011	30, 570, 515	14
6, 135	27, 856, 170	659, 513	16, 663, 238	41, 937, 414	59, 260, 165	15
1, 068	4, 185, 334	165, 242	11, 714, 977	7, 728, 311	19, 608, 530	16
2, 046	8, 275, 805	2, 946, 376	12, 295, 600	15, 255, 317	30, 497, 293	17
1, 447	6, 990, 946	4, 225, 257	78, 306, 783	56, 414, 924	138, 946, 964 ⁵	18
2, 538	10, 207, 689	1, 442, 539	23, 640, 758	29, 026, 460	54, 109, 757	19
1, 251	4, 391, 711	213, 696	3, 745, 569	6, 508, 501	10, 467, 766	20
105, 407	404, 610, 392	44, 382, 271	985, 859, 605	754, 342, 979	1, 784, 584, 855	21
16, 187	57, 937, 300	5, 685, 042	263, 764, 392	129, 817, 927	398, 800, 016	22
-	-	-	-	-	-	23
53	220, 539	19, 627	178, 843	306, 434	506, 331	24
384	1, 012, 803	28, 689	1, 646, 272	1, 465, 879	3, 221, 723	25
775	2, 287, 328	120, 804	4, 935, 529	3, 455, 781	8, 508, 043	26
301	699, 763	12, 233	847, 736	1, 432, 420	2, 500, 063	27
1, 433	3, 841, 419	80, 238	5, 582, 596	5, 611, 691	11, 497, 213	28
37, 932	143, 074, 501	8, 450, 377	286, 993, 279	228, 908, 996	525, 304, 474	29
2, 017	6, 965, 242	226, 344	11, 064, 425	10, 592, 559	21, 776, 233	30
9, 066	45, 951, 713	11, 869, 451	90, 832, 422	116, 517, 516	215, 385, 596	31
5, 097	22, 154, 980	431, 237	14, 119, 038	36, 972, 256	51, 550, 102	32
6, 648	32, 720, 978	11, 694, 148	91, 938, 552	51, 759, 753	154, 924, 608	33
5, 444	23, 880, 028	939, 447	41, 825, 784	42, 606, 042	85, 685, 521	34
1, 507	6, 493, 359	220, 256	7, 600, 561	7, 168, 011	16, 112, 627	35
4, 864	22, 636, 673	614, 805	14, 540, 207	30, 820, 151	46, 160, 899	36
923	4, 144, 365	192, 179	8, 379, 511	8, 073, 086	16, 185, 128	37
1, 939	8, 058, 741	2, 642, 660	10, 548, 282	14, 737, 236	26, 961, 464	38
1, 535	8, 019, 568	4, 878, 291	75, 323, 999	55, 013, 804	131, 809, 610 ⁵	39
2, 539	10, 988, 115	2, 051, 073	27, 200, 344	35, 313, 092	63, 303, 720	40
1, 256	4, 680, 169	214, 651	3, 998, 833	7, 791, 071	11, 927, 552	41
99, 900	405, 767, 584	50, 371, 532	961, 320, 605	788, 363, 705	1, 792, 120, 923	42

⁴ Includes "Tobacco products industries".

⁵ The figures for 1957 and 1958 are not comparable to those of 1959 and 1960 because of a change in the method of valuation for products in the Petroleum Refining Industry.

TABLE 5. Principal Statistics, by Industrial Groups, 1957-60¹ - Concluded

No.	Industrial group	Estab-lish-ments	Administrative and office employees			Production workers		
			Male	Female	Salaries	Male	Female	Wages
			number		\$	number		\$
1959								
1	Food and beverage industries	660	2,255	935	14,454,972	8,881	3,820	43,970,508
2	Tobacco products industries	—	—	—	—	—	—	—
3	Rubber industries	6	11	7	100,430	31	10	159,345
4	Leather industries	18	43	30	307,841	141	160	734,113
5	Textile industries	39	116	56	846,004	236	407	1,759,944
6	Knitting mills	4	15	11	146,867	36	251	646,717
7	Clothing industries	57	110	81	922,008	242	1,008	3,031,919
8	Wood industries	1,640	4,413	879	26,131,312	32,308	1,000	118,157,574
9	Furniture and fixture industries	219	355	112	2,159,183	1,337	291	5,651,295
10	Paper and allied industries	39	1,575	483	13,634,447	6,711	553	37,049,561
11	Printing, publishing and allied industries....	301	1,411	879	10,482,512	2,360	470	13,086,176
12	Primary metal industries	44	1,217	248	8,901,317	5,012	40	24,357,637
13	Metal fabricating industries (except ma- chinery and transportation equipment in- dustries).....	287	1,184	324	7,663,633	3,947	220	17,712,542
14	Machinery industries (except electrical machinery)	52	375	100	2,526,682	1,123	30	4,956,808
15	Transportation equipment industries	112	682	218	4,541,957	3,901	8	18,962,663
16	Electrical products industries	39	255	84	1,846,050	561	129	2,709,563
17	Non-metallic mineral products industries	102	349	65	1,961,773	1,479	22	6,341,586
18	Petroleum and coal products industries	10	495	104	3,748,567	899	—	4,579,712
19	Chemical and chemical products industries..	102	679	201	4,396,093	1,635	89	7,140,210
20	Miscellaneous manufacturing industries	160	295	119	1,725,961	659	169	3,124,463
21	Totals, 1959	3,891	15,835	4,936	106,497,609	71,499	8,677	314,132,336
1960								
22	Food and beverage industries	710	2,398	995	16,247,007	8,994	4,061	45,640,239
23	Tobacco products industries	—	—	—	—	—	—	—
24	Rubber industries	7	12	6	111,215	34	6	174,115
25	Leather industries	16	33	19	215,863	95	106	498,153
26	Textile industries	40	102	57	837,651	216	394	1,635,949
27	Knitting mills	4	18	13	159,088	40	222	672,468
28	Clothing industries	55	101	78	905,012	243	987	3,056,275
29	Wood industries	1,507	4,307	905	27,080,174	31,252	923	128,031,095
30	Furniture and fixture industries	232	364	108	2,159,486	1,265	280	5,254,839
31	Paper and allied industries	46	1,957	667	16,776,035	7,211	574	39,736,352
32	Printing, publishing and allied industries....	317	1,449	918	11,005,538	2,285	508	12,895,687
33	Primary metal industries	44	1,245	242	9,286,506	5,127	38	25,970,739
34	Metal fabricating industries (except ma- chinery and transportation equipment in- dustries).....	314	1,215	318	8,241,303	3,766	183	17,997,500
35	Machinery industries (except electrical machinery)	52	353	97	2,488,196	1,145	27	5,144,703
36	Transportation equipment industries	125	649	199	4,398,298	3,179	12	14,864,527
37	Electrical products industries	39	262	84	1,944,370	511	113	2,594,387
38	Non-metallic mineral products industries	119	344	71	2,026,710	1,481	29	6,229,793
39	Petroleum and Coal products industries	10	468	99	3,831,597	870	—	4,846,991
40	Chemical and chemical products industries..	101	699	203	4,642,239	1,614	89	7,398,823
41	Miscellaneous manufacturing industries	257	417	139	2,484,671	848	168	3,885,057
42	Totals, 1960	3,995	16,393	5,218	114,840,959	70,176	8,720	324,527,692

¹ See footnote 5, Table 3.² See footnote 1, Table 1.

TABLE 5. Principal Statistics, by Industrial Groups, 1957-60¹ - Concluded

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture ²	Selling value of factory shipments	No.
number			dollars			
15,891	58,425,480	5,592,762	239,493,036	136,600,622	384,330,782	1
-	-	-	-	-	-	2
59	259,775	24,876	193,477	348,676	566,564	3
374	1,041,954	31,812	1,643,479	1,662,723	3,253,926	4
815	2,605,948	119,967	5,274,426	4,163,059	9,847,130	5
313	793,584	13,725	1,174,814	1,613,910	2,663,149	6
1,441	3,953,927	77,112	6,126,347	5,871,418	11,754,828	7
38,600	144,288,886	8,830,280	293,387,085	241,974,687	543,738,973	8
2,095	7,810,478	229,461	12,186,969	12,108,693	24,463,347	9
9,322	50,684,008	13,015,022	106,153,045	155,610,463	274,136,336	10
5,120	23,568,688	457,333	14,261,893	39,875,436	54,372,314	11
6,517	33,258,954	9,211,498	91,724,379	65,819,646	163,832,386	12
5,675	25,376,175	1,063,359	42,262,948	43,351,213	85,221,587	13
1,628	7,483,490	288,261	10,640,450	11,656,876	22,293,741	14
4,809	23,504,620	645,175	19,948,989	37,384,564	57,513,632	15
1,029	4,555,613	206,379	9,267,484	8,220,901	17,839,904	16
1,915	8,303,359	2,560,208	11,218,743	16,713,398	30,209,310	17
1,498	8,328,279	5,272,440	77,774,848	24,132,157	106,291,313 ³	18
2,604	11,536,303	2,308,594	26,919,945	37,970,467	67,248,328	19
1,242	4,850,424	225,710	4,831,178	7,851,034	12,822,296	20
100,947	420,629,945	50,173,974	974,483,535	852,929,943	1,872,399,846	21
16,448	61,887,246	5,463,148	245,695,327	134,073,390	393,071,309	22
-	-	-	-	-	-	23
58	285,330	26,388	215,789	406,881	646,808	24
253	714,016	24,453	954,165	1,058,277	2,113,857	25
769	2,473,600	118,719	4,997,338	4,008,861	8,997,357	26
293	831,556	13,241	1,217,816	1,826,623	3,051,181	27
1,409	3,961,287	81,596	6,044,496	5,796,322	11,775,395	28
37,387	153,111,269	9,420,661	314,814,524	232,519,162	555,852,549	29
2,017	7,414,325	219,972	11,319,454	11,194,183	22,822,239	30
10,409	56,512,387	14,155,566	115,690,482	164,503,202	294,084,206	31
5,160	23,901,225	492,310	14,568,814	41,609,772	56,638,572	32
6,652	35,257,245	9,630,658	112,366,682	73,895,464	196,729,510	33
5,482	26,238,803	1,119,903	40,524,086	43,393,764	84,813,358	34
1,622	7,632,899	281,277	8,299,539	13,390,495	22,038,189	35
4,039	19,262,825	591,176	15,048,959	28,731,777	44,401,344	36
970	4,538,757	211,090	8,424,855	9,958,029	18,071,620	37
1,925	8,256,503	2,436,673	10,225,697	16,894,162	29,275,859	38
1,437	8,678,588	4,615,373	79,764,195	23,442,139	108,761,839 ³	39
2,605	12,041,062	2,582,457	31,277,145	37,369,653	68,023,742	40
1,572	6,369,728	272,916	5,549,610	9,764,244	15,748,696	41
100,507	439,368,651	51,757,577	1,026,998,973	853,836,400	1,936,917,630	42

³ See footnote 5, page 17.

TABLE 6. Principal Statistics of the Individual Industries, 1960

No.	Industries	Estab- lish- ments	Administrative and office employees			Production workers		
			Male	Female	Salaries	Male	Female	Wages
			number		\$	number		\$
	1. Food and beverage industries:							
	Meat products industries:							
	Slaughtering and meat processors:							
1	Slaughtering and meat packing plants	17	229	78	1,781,122	1,018	254	5,569,491
2	Animal oils and fats plants	2	28	9	228,441	90	37	529,692
3	Sausage and sausage casing manufacturers	11						
4	Poultry processors ²	34	61	30	267,356	144	283	976,560
	Dairy products industries:							
	Dairy factories:							
5	Butter and cheese plants	3	16	5	80,790	118	6	526,949
6	Pasteurizing plants	50	242	179	1,757,943	1,545	93	6,795,000
7	Condenseries	1	24	7	166,935	126	25	611,911
8	Ice cream manufacturers	7						
	Fish products industry:							
9	Fish products industry	43	468	134	3,272,293	1,174	779	5,929,750
	Fruit and vegetable canners and preservers:							
10	Fruit and vegetable canners and preservers	49	231	86	1,364,107	781	857	4,168,216
	Grain mills:							
11	Feed manufacturers	43	104	64	839,217	445	28	1,703,800
12	Flour mills	2	5	2	18,600	17	10	53,670
13	Breakfast cereal manufacturers	2						
	Bakery products industries:							
14	Biscuit manufacturers	3	8	2	42,010	21	21	123,760
15	Bakeries	322	460	146	2,297,590	1,831	995	9,673,284
	Other food processors:							
16	Confectionery manufacturers	28	33	19	212,258	102	125	659,254
17	Sugar refineries	1	195	134	1,956,580	619	377	3,721,128
18	Macaroni	2						
19	Miscellaneous food manufacturers	42						
	Beverage manufacturers:							
20	Soft drink manufacturers	34	111	53	735,392	224	30	803,877
21	Distilleries	2	183	47	1,226,373	739	141	3,793,897
22	Breweries	7						
23	Wineries	5						
24	Totals	710	2,398	995	16,247,007	8,994	4,061	45,640,239
25	2. Tobacco products industries	-	-	-	-	-	-	-
	3. Rubber industries:							
26	Miscellaneous rubber industries	7	12	6	111,215	34	6	174,115
27	Totals	7	12	6	111,215	34	6	174,115
	4. Leather industries:							
28	Leather glove factories	4	9	4	57,460	20	25	106,381
29	Shoe factories	5	9	2	56,181	42	16	156,303
30	Leather tanneries	2	15	13	102,222	33	65	235,469
31	Miscellaneous leather products, n.e.s.	5						
32	Totals	16	33	19	215,863	95	106	498,153

¹ See footnote 1, Table 1.

TABLE 6. Principal Statistics of the Individual Industries, 1960

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture ¹	Selling value of factory shipments	No.
number	dollars					
1,579	7,350,613	348,340	49,003,258	11,984,871	60,846,392	1
164	758,133	77,831	2,489,243	1,434,621	4,006,008	2
518	1,243,916	115,627	9,496,184	1,725,352	11,311,443	3
						4
145	607,739	152,958	4,316,633	493,979	4,452,562	5
2,059	8,552,943	821,368	26,802,938	14,510,599	42,118,617	6
182	778,846	145,448	8,032,299	2,143,945	10,296,367	7
						8
2,555	9,202,043	688,587	35,527,000	20,237,633	67,564,005	9
1,955	5,532,323	425,030	23,331,486	12,077,751	34,325,786	10
841	2,543,017	404,581	17,266,767	4,884,711	22,644,390	11
34	72,270	11,030	262,570	102,417	381,152	12
						13
52	165,770	16,220	404,765	446,642	867,171	14
3,432	11,970,874	957,777	13,544,281	17,547,621	32,033,308	15
279	871,512	45,961	1,611,499	1,447,760	3,045,235	16
1,325	5,677,708	500,796	40,908,955	17,007,400	56,389,384	17
						18
						19
418	1,539,269	242,130	2,503,628	5,376,434	8,098,346	20
1,110	5,020,270	509,484	10,193,821	22,651,654	34,691,143	21
						22
						23
16,448	61,887,246	5,463,148	245,693,327	134,073,390	393,071,309	24
-	-	-	-	-	-	25
58	285,330	26,388	215,789	406,881	646,808	26
58	285,330	26,388	215,789	406,881	646,808	27
58	163,841	1,897	179,878	202,877	405,934	28
69	212,484	8,078	290,474	314,035	615,852	29
128	337,691	14,478	484,013	541,365	1,092,071	30
						31
253	714,016	24,453	954,165	1,058,277	2,113,857	32

¹ See footnote 5, Table 3.

TABLE 6. Principal Statistics of the Individual Industries, 1960 - Continued

No.	Industries	Estab- lish- ments	Administrative and office employees			Production workers		
			Male	Female	Salaries	Male	Female	Wages
			number		\$	number		\$
5. Textile industries:								
Woollen mills:								
1	Wool cloth mills	4	19	8	158,570	55	112	474,522
Other primary textile mills:								
2	Fibre preparing mills	3	5	2	26,274	18	2	48,768
3	Cordage and twine industry	3	21	10	203,678	38	24	223,042
4	Pressed and punched felt mills	1	4	4	26,500	5	9	36,000
5	Textile dyeing and finishing plants	1						
6	Linoleum and coated fabrics industry	2						
Other textile industries:								
7	Canvas products industry	10	21	13	153,715	64	118	442,384
8	Cotton and jute bag industry	2	14	10	92,098	14	63	197,210
9	Automobile fabric accessory manufacturers	2						
10	Embroidery, pleating, hemstitching manufacturers	2						
11	Miscellaneous textiles, n.e.s.	10	18	10	176,616	24	66	214,023
12	Totals	40	102	57	837,651	216	394	1,635,949
6. Knitting mills:								
13	Knitting mills (other than hosiery)	4	18	13	159,088	40	222	672,468
14	Totals	4	18	13	159,088	40	222	672,468
7. Clothing industries:								
Men's clothing industry:								
15	Men's clothing factories	17	45	31	436,377	142	522	1,593,661
Women's clothing industry:								
16	Women's clothing factories	20	37	38	372,243	84	424	1,314,999
17	Fur goods industry	15	19	9	94,392	17	41	147,615
18	Hat and cap industry	1						
19	Miscellaneous clothing, n.e.s.	2						
20	Totals	55	101	78	905,012	243	987	3,056,275
8. Wood industries:								
21	Sawmills (including shingle mills)	1,222	3,071	604	17,851,391	22,997	119	90,113,686
22	Veneer and plywood mills	16	511	132	4,298,169	4,683	708	22,427,162
23	Sash and door and planing mills (excluding hardwood flooring)	202	562	124	3,877,802	2,825	11	10,395,301
24	Wooden box factories	23	26	4	103,937	123	45	453,384
25	Coffin and casket industry	4	10	4	75,613	39	25	192,721
Miscellaneous wood industries:								
26	Wood handles and turning	3	12	4	82,540	33	2	131,884
27	Cooperage	1	18	5	97,782	57	2	219,105
28	Hardwood flooring	1						
29	Woodenware	4						
30	Miscellaneous wood industries, n.e.s. (including wood preservation)	29	97	28	692,940	495	11	2,097,852
31	Totals	1,507	4,307	905	27,080,174	31,252	923	126,031,095
9. Furniture and fixture industries:								
32	Household furniture industry	180	260	64	1,406,264	753	217	3,170,404
33	Office furniture industry	5	10	4	64,650	74	1	278,470
34	Other furniture industries	44	89	33	649,922	409	55	1,699,070
35	Electric lamp and shade industry	3	5	7	38,650	29	7	106,895
36	Totals	232	364	108	2,159,486	1,265	280	5,254,839

³ See footnote 1, Table 1.

TABLE 6. Principal Statistics of the Individual Industries, 1960 - Continued

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture ^a	Selling value of factory shipments	No.
number			dollars			
194	633,092	50,092	953,114	954,881	1,906,070	1
25	75,042	6,120	209,193	194,556	361,439	2
93	426,720	16,656	946,143	640,575	1,576,051	3
22	62,500	1,905	182,100	101,712	285,717	4
						5
						6
216	596,099	17,369	956,906	1,022,072	1,979,000	7
101	289,308	11,902	1,037,571	559,100	1,620,701	8
						9
						10
118	390,839	14,675	712,311	535,965	1,268,379	11
769	2,473,600	118,719	4,997,338	4,008,861	8,997,357	12
293	831,556	13,241	1,217,816	1,826,623	3,051,181	13
293	831,556	13,241	1,217,816	1,826,623	3,051,181	14
740	2,032,038	40,515	3,129,783	2,860,054	5,977,848	15
583	1,687,242	32,754	2,688,790	2,577,692	5,216,898	16
86	242,007	8,327	225,923	358,576	580,849	17
						18
						19
1,409	3,961,287	81,596	6,044,496	5,796,322	11,775,395	20
26,791	107,965,077	6,307,360	209,557,535	168,362,162	384,227,057 ^a	21
6,034	26,725,331	1,638,493	47,799,853	34,827,342	82,891,001	22
3,522	14,273,103	1,181,337	48,278,250	21,845,110	71,522,221	23
198	557,321	33,071	936,796	791,914	1,771,023	24
78	268,334	4,428	453,537	385,676	828,643	25
51	214,424	19,178	496,808	325,532	629,126	26
82	316,887	11,437	496,164	348,460	946,933	27
						28
						29
631	2,790,792	225,357	6,795,581	5,632,966	12,836,545	30
37,387	153,111,269	9,420,661	314,814,524	232,519,162	555,852,549	31
1,294	4,576,668	135,246	6,878,242	6,729,262	13,749,589	32
89	343,120	10,449	440,444	478,233	947,318	33
586	2,348,992	70,695	3,849,905	3,819,384	7,800,160	34
46	145,545	3,582	150,663	167,304	325,172	35
2,017	7,414,325	219,972	11,319,454	11,194,183	22,822,239	36

^a Reported on a production basis.

TABLE 6. Principal Statistics of the Individual Industries, 1960 - Continued

No.	Industries	Estab- lish- ments	Administrative and office employees			Production workers		
			Male	Female	Salaries	Male	Female	Wages
			number		\$	number		\$
10. Paper and allied industries:								
1	Pulp and paper mills	14	1,691	545	14,721,540	6,326	133	34,613,080
2	Folding box and set-up box manufacturers	8	54	24	412,527	194	82	1,051,816
3	Paper bag manufacturers	6	17	19	178,495	123	128	867,563
4	Asphalt roofing manufacturers	2	165	65	1,262,754	497	155	2,700,421
5	Corrugated box manufacturers	2						
6	Miscellaneous paper converters	14	30	14	200,719	71	76	503,472
7	Totals	46	1,957	667	16,776,035	7,211	574	39,736,352
11. Printing, publishing and allied industries:								
Commercial printing:								
8	Printing and bookbinding	143	222	91	1,283,650	548	131	2,706,813
9	Lithographing	19	77	38	639,381	349	90	2,014,801
Engraving stereotyping and allied industries:								
10	Engraving and duplicate plates	14	29	9	204,793	113	10	636,393
11	Trade composition or typesetting	4	4	2	37,924	21	—	105,637
12	Publishing only	49	96	108	687,216	—	—	—
13	Printing and publishing	88	1,021	670	8,152,574	1,254	277	7,432,043
14	Totals	317	1,449	918	11,005,538	2,285	508	12,895,687
12. Primary metal industries:								
15	Aluminum rolling casting and extruding	5	41	13	256,951	93	1	442,574
16	Copper and alloy rolling casting and extruding	11	59	15	370,313	190	1	856,938
17	Iron foundries	12	58	14	452,316	281	—	1,269,673
18	Metal rolling, casting and extruding, n.e.s.	6	20	7	155,335	80	2	379,148
19	Iron and steel mills	7	1,067	193	8,051,591	4,483	34	23,022,406
20	Smelting and refining	2						
21	Steel pipe and tube mills	1						
22	Totals	44	1,245	242	9,286,506	5,127	38	25,970,739
13. Metal fabricating industries (except machinery and transportation equipment industries):								
23	Boiler and plate works	9	43	9	287,776	110	—	539,703
24	Fabricated structural metal industry	5	296	58	2,010,536	869	2	4,501,092
25	Ornamental and architectural metal industry	53	115	24	642,937	292	5	1,192,027
26	Metal stamping, pressing and coating industry	48	207	64	1,575,375	742	46	3,945,521
27	Wire and wire products manufacturers	20	105	45	941,681	381	42	1,760,105
28	Hardware, tool and cutlery manufacturers	13	84	34	684,283	186	72	989,988
29	Heating equipment manufacturers	9	21	8	141,569	116	7	478,378
30	Machine shops	121	255	54	1,349,796	744	5	3,121,015
31	Miscellaneous metal fabricating industries	36	89	22	607,350	326	4	1,469,671
32	Totals	314	1,215	318	8,241,303	3,766	183	17,997,500
14. Machinery industries (except electrical machinery):								
33	Agricultural implement industry	3	1	—	1,168	10	—	35,555
34	Miscellaneous machinery and equipment, n.e.s.	46	344	95	2,444,196	1,089	27	4,877,002
35	Commercial refrigeration and air conditioning equip- ment	2	8	2	42,832	46	—	232,146
36	Office and store machinery manufacturers	1						
37	Totals	52	353	97	2,488,196	1,145	27	5,144,703

* See footnote 1, Table 1.

TABLE 6. Principal Statistics of the Individual Industries, 1960 - Continued

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture ⁵	Selling value of factory shipments	No.
number	dollars					
8,695	49,334,620	13,841,620	94,437,237	148,646,669	256,731,375	1
354	1,464,343	56,167	3,497,048	2,569,838	6,085,958	2
287	1,046,058	41,315	6,135,527	3,610,768	9,715,297	3
882	3,963,175	191,829	10,020,612	8,488,869	18,760,240	4
191	704,191	24,635	1,600,058	1,197,058	2,791,336	5
10,409	56,512,387	14,155,566	115,690,482	164,503,202	294,084,206	6
992	3,990,463	119,189	2,896,734	5,992,122	9,019,564	7
554	2,654,182	60,614	2,880,254	4,056,076	6,962,407	8
161	841,188	17,099	234,522	1,212,823	1,464,560	9
27	143,561	2,546	7,190	209,094	218,620	10
204	687,216	-	1,398,661	3,305,235	4,702,696	11
3,222	15,584,617	292,862	7,151,463	28,834,422	34,270,725	12
5,160	23,901,225	492,310	14,568,814	41,609,772	56,638,572	13
148	699,525	90,221	3,003,904	349,680	4,053,662	14
265	1,227,251	153,550	4,327,251	2,526,272	7,459,883	15
353	1,721,989	56,782	900,016	2,425,213	3,387,715	16
109	534,483	48,270	1,228,115	1,238,908	2,347,564	17
5,777	31,073,997	9,281,835	102,907,396	67,355,391	179,480,696	18
6,652	35,257,245	9,630,658	112,366,682	73,895,464	196,729,510	19
162	827,479	41,536	1,097,723	888,479	2,019,857	20
1,225	6,511,628	204,696	9,431,125	8,663,781	18,603,723 ⁶	21
436	1,834,964	60,491	2,528,398	3,063,341	5,655,714	22
1,059	5,520,896	221,114	12,583,793	11,180,871	23,266,306	23
573	2,701,786	138,276	4,648,970	5,058,556	9,867,944	24
376	1,674,271	68,243	2,257,909	3,814,339	6,192,541	25
152	619,947	40,537	1,225,244	1,048,435	2,373,352	26
1,058	4,470,811	205,459	3,574,953	6,849,490	10,668,106	27
441	2,077,021	139,551	3,175,971	2,826,472	6,165,815	28
5,482	26,238,803	1,119,903	40,524,086	43,393,764	84,813,358	29
11	36,723	3,945	42,952	50,392	90,559	30
1,555	7,321,198	271,292	8,030,269	12,865,057	21,160,580	31
56	274,978	6,040	226,318	475,046	787,050	32
1,622	7,632,899	281,277	8,299,539	13,390,495	22,038,189	33

⁶ Reported on a production basis.

TABLE 6. Principal Statistics of the Individual Industries, 1960 - Continued

No.	Industries	Estab- lish- ments	Administrative and office employees			Production workers		
			Male	Female	Salaries	Male	Female	Wages
		number		\$	number		\$	
15. Transportation equipment industries:								
1	Aircraft and parts manufacturers	7	70	36	514,047	243	1	1,135,981
2	Truck body and trailer manufacturers	13	43	7	306,378	201	—	881,864
3	Motor vehicle parts and accessories manufacturers	6	11	4	68,646	48	—	199,942
4	Shipbuilding and repair	20	325	121	2,641,499	2,152	5	10,442,959
5	Boatbuilding and repair	76	110	13	408,835	315	6	1,234,643
6	Motor vehicle manufacturers	2	90	18	458,893	220	—	969,138
7	Railroad rolling stock industry	1						
8	Totals	125	649	199	4,398,298	3,179	12	14,864,527
16. Electrical products industries:								
9	Manufacturers of small electrical appliances	4	17	9	136,299	76	—	336,480
10	Communications equipment manufacturers	9	116	41	880,909	87	61	626,244
11	Manufacturers of electrical industrial equipment	8	62	16	481,967	147	14	769,449
12	Battery manufacturers	7	18	4	78,446	41	7	191,148
13	Manufacturers of major appliances (electric and non- electric)	1	36	9	233,472	104	12	409,822
14	Manufacturers of household radio and television re- ceivers	1						
15	Manufacturers of electric wire and cable	2						
16	Manufacturers of miscellaneous electrical products	7	13	5	133,277	56	19	261,244
17	Totals	39	262	84	1,944,370	511	113	2,594,387
17. Non-metallic mineral products industries:								
18	Lime manufacturers	3	10	2	58,934	63	—	300,132
19	Concrete products manufacturers	58	85	13	332,847	338	3	1,325,346
20	Ready-mix concrete manufacturers	18	78	20	452,047	355	2	1,463,321
Clay products manufacturers:								
21	Clay products (from domestic clays)	8	32	5	193,598	156	1	625,061
22	Clay products (from imported clays)	3	13	4	88,532	82	14	405,393
23	Stone products manufacturers	9	13	2	49,247	51	—	155,663
24	Asbestos products manufacturers	3	7	3	42,516	27	—	97,590
Glass and glass products manufacturers:								
25	Glass products manufacturers	6	10	1	40,988	16	9	64,597
26	Abrasives manufacturers	1	84	19	690,182	370	—	1,697,537
27	Cement manufacturers	2						
28	Gypsum products manufacturers	2						
29	Mineral wool manufacturers	1						
30	Refractories manufacturers	2						
31	Miscellaneous non-metallic mineral products, n.e.s.	3	12	2	77,819	23	—	95,153
32	Totals	119	344	71	2,026,710	1,481	29	6,229,793
18. Petroleum and coal products industries:								
33	Petroleum refining	7	465	99	3,817,263	815	—	4,623,256
34	Miscellaneous petroleum and coal products, n.e.s.	3	3	—	14,334	55	—	223,735
35	Totals	10	468	99	3,831,597	870	—	4,846,991

* See footnote 1, Table 1.

TABLE 6. Principal Statistics of the Individual Industries, 1960 - Continued

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture ⁷	Selling value of factory shipments	No.
number			dollars			
350	1,650,028	73,848	2,268,839	2,515,893	4,858,580*	1
251	1,188,242	36,584	2,130,463	1,489,391	3,687,000	2
63	268,588	22,567	255,316	414,320	689,634	3
2,603	13,084,458	343,682	7,063,620	17,891,008	25,297,951*	4
444	1,643,478	74,080	1,330,840	2,200,007	3,502,300	5
328	1,428,031	40,415	1,999,861	4,221,158	6,365,879	6
						7
4,039	19,262,825	591,176	15,048,959	28,731,777	44,401,344	8
102	472,779	50,322	1,039,546	957,174	2,125,451	9
305	1,507,153	41,214	1,926,707	2,865,094	4,567,871	10
239	1,251,416	31,737	1,845,590	3,396,671	4,971,937	11
70	269,594	22,829	532,745	417,131	974,549	12
161	643,294	48,724	2,207,504	1,734,990	3,945,593	13
						14
						15
93	394,521	16,264	872,763	586,969	1,466,219	16
970	4,538,757	211,090	8,424,855	9,958,029	18,071,620	17
75	359,066	183,621	80,806	407,741	657,422	18
439	1,658,193	226,867	2,633,104	3,170,764	5,890,019	19
455	1,915,368	261,534	3,579,884	3,133,201	7,041,391	20
194	818,659	277,107	161,610	1,549,627	1,947,349	21
113	493,925	47,360	283,755	1,166,613	1,508,578	22
66	204,910	6,808	96,055	346,049	443,742	23
37	140,106	7,656	130,272	200,324	344,292	24
36	105,585	5,026	255,333	204,132	463,862	25
						26
						27
473	2,387,719	1,404,029	2,819,275	6,391,741	10,508,448	28
						29
						30
37	172,972	16,665	185,603	323,970	470,756	31
1,925	8,256,503	2,436,673	10,225,697	16,894,162	29,275,859	32
1,379	8,440,519	4,560,161	78,556,066	22,617,965	106,688,286*	33
58	238,069	55,212	1,208,129	824,174	2,073,553	34
1,437	8,678,588	4,615,373	79,764,193	23,442,139	108,761,839	35

* Reported on a production basis.

TABLE 6. Principal Statistics of the Individual Industries, 1960 - Concluded

No.	Industries	Estab- lish- ments	Administrative and office employees			Production workers		
			Male	Female	Salaries	Male	Female	Wages
			number		\$	number		\$
19. Chemical and chemical products industries:								
1	Manufacturers of plastics and synthetic resins	3	45	13	300,995	39	1	187,797
2	Manufacturers of pharmaceuticals and medicines	9	11	5	76,000	24	9	92,000
3	Paint and varnish manufacturers	16	143	75	1,166,541	243	49	1,128,799
4	Manufacturers of soap and cleaning compounds	11	16	4	68,166	16	12	77,590
5	Manufacturers of industrial chemicals	16	352	44	2,103,892	1,018	3	4,804,185
6	Explosives and ammunition manufacturers	1	73	35	542,216	114	-	499,063
7	Manufacturers of mixed fertilizers	2						
8	Manufacturers of toilet preparations	1						
Other chemical industries:								
9	Manufacturers of printing inks	5	7	6	64,279	29	-	117,477
10	Miscellaneous chemicals, n.e.s.	37	52	21	320,150	131	15	491,912
11	Totals	101	699	203	4,642,239	1,614	89	7,398,823
20. Miscellaneous manufacturing industries:								
Scientific and professional equipment manufacturers:								
12	Orthopedic and surgical appliance manufacturers	6	8	3	41,345	5	1	20,398
13	Dental laboratories ¹⁰	85	102	13	544,499	120	21	455,357
14	Instrument and related products manufacturers	2	3	-	14,592	2	-	4,251
15	Ophthalmic goods manufacturers	1						
16	Jewellery and silverware manufacturers	15	29	18	169,714	76	13	345,728
17	Broom, brush and mop industry	7	11	7	89,756	33	11	125,989
18	Venetian blind manufacturers	8	9	3	34,475	11	3	37,419
19	Plastic fabricators, n.e.s.	20	29	21	195,220	78	36	368,368
20	Sporting goods industry	16	14	6	63,532	26	29	135,666
21	Signs and displays industry	52	153	51	1,022,347	387	27	1,868,003
Miscellaneous manufacturing industries, n.e.s.:								
22	Artificial ice manufacturers	9	10	2	43,809	49	-	177,818
23	Model and pattern manufacturers	7	8	1	41,310	16	-	83,281
24	Stamp and stencil (rubber and metal) manufacturers ..	9	18	9	116,672	31	7	149,361
25	Statuary, art goods, regalia and novelty manufacturers ..	7	6	2	13,040	-	2	4,610
26	Umbrella manufacturers	3	6	-	52,067	2	9	23,205
27	Candle manufacturers	2	11	3	42,293	12	9	65,603
28	Hair goods manufacturers	2						
29	Fur dressing and dyeing industry	1						
30	Musical instruments and sound recording industry	1						
31	Toys and games industry	2						
32	Typewriter supplies manufacturers	1						
33	Miscellaneous industries, n.e.s.	1						
34	Totals	257	417	139	2,484,671	848	168	3,885,057
35	Totals, all industries	3,995	16,393	5,218	114,840,959	70,176	8,720	324,527,692

* See footnote 1, Table 1.

TABLE 6. Principal Statistics of the Individual Industries, 1960 - Concluded

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture ⁹	Selling value of factory shipments	No.
number	dollars					
98	488,792	42,382	3,721,393	2,173,801	5,957,921	1
49	168,000	4,300	194,100	278,976	472,997	2
510	2,295,340	79,316	5,970,091	6,604,485	12,683,525	3
48	145,756	10,270	510,077	547,870	1,079,974	4
1,417	6,908,077	2,274,427	17,295,496	23,173,039	39,423,566	5
222	1,041,279	59,296	1,818,070	1,851,984	3,700,936	6
						7
						8
42	181,756	10,243	315,584	546,770	927,537	9
219	812,062	102,223	1,452,334	2,192,728	3,777,286	10
2,605	12,041,062	2,582,457	31,277,145	37,369,653	68,023,742	11
17	61,743	2,370	36,030	46,509	85,080	12
258	999,856	16,518	356,302	1,379,440	1,751,405	13
5	18,843	1,083	16,779	26,446	39,262	14
136	515,442	5,259	354,796	731,542	1,087,780	15
62	215,745	4,160	173,218	350,170	530,018	16
26	71,894	3,620	101,434	118,309	223,154	17
164	583,588	37,085	1,445,672	1,155,271	2,722,378	18
75	199,198	12,003	234,228	362,286	633,416	19
618	2,890,350	113,326	2,469,263	4,377,575	7,014,873	20
61	221,627	57,527	30,263	363,961	448,811	21
25	124,591	1,773	22,268	158,242	182,825	22
65	266,033	7,537	85,358	383,705	476,640	23
10	17,650	1,016	11,345	18,511	37,069	24
17	75,272	2,849	90,400	92,041	186,655	25
						26
						27
						28
						29
35	107,896	6,790	122,254	200,236	327,330	30
						31
						32
						33
1,572	6,369,728	272,916	5,549,610	9,764,244	15,748,699	34
100,907	439,368,651	51,757,577	1,026,998,973	853,836,400	1,936,917,630	35

¹⁰ See footnote 5, Table 3.

YUKON AND NORTHWEST TERRITORIES

TABLE 7. Principal Statistics of the Manufacturing Industries of Yukon and Northwest Territories
1939-60

Year	Estab- lish- ments	Capital	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture ¹	Gross value of products ²
	No.	\$	No.	dollars			
1939	5	538,847	55	97,766	138,500	92,054	242,968
1940	9	666,281	78	123,276	97,240	152,733	266,745
1941	9	785,012	59	111,641	129,477	199,863	341,377
1942	9	852,827	68	106,278	139,006	263,471	417,773
1943	8	589,841	62	120,714	138,369	237,709	395,943
1944	12	3	67	118,972	189,718	280,803	489,256
1945	12	3	64	126,940	153,466	517,685	704,663
1946	13	3	92	200,560	172,845	408,727	646,295
1947	14	3	145	313,281	690,533	525,030	1,344,109
1948	17	3	137	346,220	818,919	379,525	1,330,110
1949	18	3	148	359,068	643,807	604,896	1,377,453
1950	19	3	123	285,656	1,039,954	569,167	1,741,531
1951	18	3	152	405,690	1,097,991	758,986	2,018,909
1952	23	3	164	530,126	1,075,561	1,022,974	2,288,039
1953	30	3	177	569,995	1,349,970	1,012,008	2,516,683
1954	31	3	191	630,316	1,492,898	1,855,633	3,536,300
1955	26	3	170	604,507	2,843,895	1,732,511	4,751,000
1956	24	3	175	681,433	3,867,415	1,076,223	5,130,497
1957	22	3	166	657,765	1,627,311	1,409,691	3,221,268
1958	16	3	145	678,157	2,740,184	859,154	3,979,489
1959	12	3	115	610,084	2,156,809	649,720	2,832,386
Basis: Revised Standard Industrial Classification, adopted in 1960							
1957 ⁴	22	3	166	657,765	1,627,311	1,414,786	3,221,268
1958 ⁴	16	3	145	678,157	2,740,184	998,294	3,979,489
1959 ⁴	12	3	115	610,084	2,156,809	649,720	2,832,386
1960 ⁴	14	3	124	615,503	1,444,781	1,325,787	3,071,218

¹ In 1951 and previous years the value added by manufacture is computed by subtracting the cost of fuel, electricity and materials used from the gross value of products. For 1952, 1953 and 1957 the deduction is made from the value of factory shipments. In 1954 and subsequent years from the calculated value of production. In 1954 and 1955 the value of production was obtained by adjusting shipments for inventory change of finished goods only, while in 1956 and subsequent years adjustments were made for both goods in process and finished goods. The figures for value added for 1956 and subsequent years are, therefore, comparable with 1951 and earlier years. (See footnote 1, Table 1.)

² In 1952 and subsequent years the basis of collection is "Value of factory shipments" instead of "Gross value of products".

³ Not collected.

⁴ See footnote 5, Table 3.

TABLE 8. Principal Statistics Compared, 1959 and 1960

Principal statistics	1959	1960	+Increase -Decrease
Establishments No.	12	14	+ 2
Administrative and office employees:			
Male "	23	25	+ 2
Female "	5	6	+ 1
Salaries \$	142,494	147,558	+ 5,064
Production workers:			
Male No.	74	79	+ 5
Female "	13	14	+ 1
Wages "	467,590	467,945	+ 355
Cost of fuel and electricity \$	173,357	191,238	+ 17,881
Cost at plant of materials used \$	2,156,809	1,444,781	- 712,028
Value added by manufacture ¹ \$	649,720	1,325,787	+ 676,067
Selling value of factory shipments \$	2,832,386	3,071,218	+ 238,832

¹ See footnote 1, Table 1.

TABLE 9. Principal Statistics of the Individual Industries, 1960

No.	Industries	Estab- lish- ments	Administrative and office employees			Production workers		
			Male	Female	Salaries	Male	Female	Wages
			number		\$	number		\$
	1. Food and beverage industries:							
1	Bakeries	2	} 8	-	31,902	9	3	23,609
2	Soft drink manufacturers	3						
3	Totals	5						
4	2. Tobacco products industries	-	-	-	-	-	-	-
5	3. Rubber industries	-	-	-	-	-	-	-
6	4. Leather industries	-	-	-	-	-	-	-
7	5. Textile industries	-	-	-	-	-	-	-
8	6. Knitting mills	-	-	-	-	-	-	-
9	7. Clothing industries	-	-	-	-	-	-	-
	8. Wood industries:							
10	Sawmills (including shingle mills)	4	6	1	21,088	24	-	80,778
11	Totals	4	6	1	21,088	24	-	80,778
12	9. Furniture and fixture industries	-	-	-	-	-	-	-
13	10. Paper and allied industries	-	-	-	-	-	-	-
	11. Printing, publishing and allied industries:							
14	Printing and publishing	²	²	²	²	²	²	²
15	12. Primary metal industries	-	-	-	-	-	-	-
16	13. Metal fabricating industries (except machinery and transportation equipment industries)	-	-	-	-	-	-	-
17	14. Machinery industries (except electrical machinery)	-	-	-	-	-	-	-
18	15. Transportation equipment industries	-	-	-	-	-	-	-
19	16. Electrical products industries	-	-	-	-	-	-	-
20	17. Non-metallic mineral products industries	-	-	-	-	-	-	-
	18. Petroleum and coal products industries:							
21	Petroleum refining	²	²	²	²	²	²	²
	19. Chemical and chemical products industry:							
22	Manufacturers of industrial chemicals	²	²	²	²	²	²	²
23	20. Miscellaneous manufacturing industries	-	-	-	-	-	-	-
	Industries listed above for which figures cannot be shown under their respective group:							
24	Manufacturing of industrial chemicals	1	} 11	5	94,568	46	11	363,558
25	Petroleum refining	1						
26	Printing and publishing	3						
27	Grand totals	14	25	6	147,558	79	14	467,945

¹ See footnote 1, Table 1.² Confidential. See line 24.

TABLE 9. Principal Statistics of the Individual Industries, 1960

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture ¹	Selling value of factory shipments	No.
number	dollars					
20	55,511	12,530	80,617	147,955	240,999	{ 1
20	55,511	12,530	80,617	147,955	240,999	2
—	—	—	—	—	—	3
—	—	—	—	—	—	4
—	—	—	—	—	—	5
—	—	—	—	—	—	6
—	—	—	—	—	—	7
—	—	—	—	—	—	8
—	—	—	—	—	—	9
31	101,866	10,150	164,475	221,705	396,330 ³	10
31	101,866	10,150	164,475	221,705	396,330³	11
—	—	—	—	—	—	12
—	—	—	—	—	—	13
2	2	2	2	2	2	14
—	—	—	—	—	—	15
—	—	—	—	—	—	16
—	—	—	—	—	—	17
—	—	—	—	—	—	18
—	—	—	—	—	—	19
—	—	—	—	—	—	20
2	2	2	2	2	2	21
2	2	2	2	2	2	22
—	—	—	—	—	—	23
73	458,126	168,558	1,199,689	956,127	2,433,889	{ 24
						25
						26
124	615,503	191,238	1,444,781	1,325,787	3,071,218	27

³ Reported on a production basis.

STATISTICS CANADA LIBRARY
BIBLIOTHÈQUE STATISTIQUE CANADA



1010647933