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NOTICE

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

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

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

The present report is the only one in Part I. Price

Prices of most reports released after January 1, 1959 have been increased. Information on the new prices of particular issues is available on request from the Information Services Division of the Dominion Bureau of Statistics.

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PART I. GENERAL ANALYSES OF MANUFACTURING

SECTION 1. GROWTH OF MANUFACTURING

The improvement in manufacturing production begun in the summer of 1955 continued at an accelerated rate in 1956. The selling value of factory shipments at \$21,636,748,986 was the highest on record and exceeded by 10.9 p.c. the high mark attained the previous year. In employment, however, the record was not so impressive. Although there was an increase of 4.2 p.c. in the number employed in 1956 as compared with 1955, the number was only 25,569 higher than the record number employed in 1953. Salaries and wages paid at \$4,570,692,190 and value added by manufacture at \$9,605,424,579 were the highest on record, exceeding the previous high of 1955 by substantial margins.

The physical volume of production in 1956 was 5.4 p.c. higher than in the previous year, while the increase in the value of factory shipments was 10.9 p.c. The greater increase in the value of factory shipments is accounted for by an increase in the wholesale prices of partly and fully manufactured goods. The output of durable goods rose by 7.4 p.c., while non-durables were 4.4 p.c. higher. The index for manufacturing as a whole in 1956 stood at 285.9. For non-durable goods it was 245.6 and for durable goods 348.9. These levels were in all cases the highest on record. Since the end of the war both the durable and non-durable sectors experienced an uninterrupted expansion in volume of production, the only exception being 1954 when the output of both durable and non-durable goods was lower than the previous year. Since 1946 durable goods rose by 70.1 p.c., non-durable goods by 36.3 p.c. and manufacturing as a whole by 50.6 p.c.

In the non-durable goods sector all groups, with the exception of textiles, reported increased activity in 1956 as compared with 1955. The greatest increase in volume of production was reported by the products of petroleum and coal group with a percentage increase of 14.8. The leather products group which has experienced a long-term downward trend reported the second highest increase in volume with 8.2, followed by printing, publishing and allied industries with 7.9, rubber and rubber products 7.5, tobacco and tobacco products 7.3, beverages 5.1, clothing including knitting mills 4.7, paper products 4.5, chemicals and allied products 3.1, and foods 1.1. Textiles with a decline of 1.6 p.c. was the only group in the non-durable sector to report a decrease. In spite of the substantial increase in volume for manufacturing as a whole during 1954 and 1955, both textiles and clothing were still below the levels they attained in 1953.

In the durable goods sector all groups reported higher levels of production. The highest percentage increase of 14.1 was reported by the iron and steel products group. This was followed by non-metallic mineral products with 11.5, transportation equipment 6.0, non-ferrous metal products 5.5, electrical apparatus and supplies 2.8 and wood products 0.5. The transportation equipment group which was the only group in the durable goods sector to report a minor decline of 1.2 p.c. in 1955 reported an increase of 6.0 p.c. in 1956. Aircraft, automobiles, railway rolling stock and shipbuilding, all operated at higher levels. In spite of the improvement in 1956 the transportation equipment group was still about 15 p.c. short of the high level attained in 1953. The modest increase of 0.5 p.c. shown by the wood products group was the result of two counter movements. The increased volume needed to satisfy the requirements of the domestic boom in construction was just about counterbalanced by the decline in export sales. Exports of planks and boards which were valued at \$326,445,303 in 1956 declined by 14.5 p.c. as compared with the previous year. Red cedar shingles and veneer and plywood were also lower with declines of 20.7 and 7.3 p.c. respectively.

The improvement in manufacturing operations which occurred during 1956 was the result of three main factors. First was the accelerated spending on capital goods, such as construction and machinery and equipment of all kinds which rose from \$6,350,000,000 in 1955 to \$8,024,000,000 in 1956, an increase of 26 p.c. This stimulated the durable goods industries to a marked degree, and is reflected in the increased output of pig iron which rose from 3,215,367 tons in 1955 to 3,568,203 tons in 1956, steel ingots and castings from 4,534,672 tons

to 5,301,202 tons, aluminum from 612,543 tons to 620,321 tons, nickel from 174,928 tons to 178,515 tons, cement from 4,404,480 tons to 5,021,683 tons, and motor vehicles from 452,114 units to 471,350 units. The second factor was the improvement in the export demand for many Canadian manufactured commodities. Newsprint, whiskey, aluminum and its products, copper and its products, aircraft, lead and its products, non-farm machinery and synthetic plastics were all substantially higher in 1956 as compared with the previous year. Exports of wood pulp, nickel, automobiles and parts, artificial crude abrasives, and zinc and its products were moderately higher, while exports of planks and boards, red cedar shingles, veneer and plywood, wheat flour, farm machinery and fertilizers were considerably lower. The third factor was the impact on the consumer goods industries of the increase of about 425,000 in population as well as by the rise in labour income.

Ontario which is now recognized as one of the world's major industrial areas, accounts for approximately half of Canada's manufacturing production. Despite the great industrial progress made by other provinces, Ontario continues to maintain its predominance, and in 1956 accounted for 49.2 p.c. of the total value of factory shipments. Quebec with 30.6 p.c. of the total shipments ranks as the second largest industrial province, while British Columbia with 8.6 p.c. of the total ranks third.

The increased activity reported by the manufacturing industries during 1956 was not uniformly distributed as between provinces. From the point of view of numbers employed, British Columbia with an increase of 6.0 p.c. over 1955, once again made the greatest gain in manufacturing production. This was on top of an increase of 6.8 p.c. in 1955 and 2.2 p.c. in 1954. As a result of this uninterrupted expansion during the past few years, British Columbia is gradually increasing its share of the Canadian total. Alberta in 1956 reported the second highest expansion with an increase of 5.6 p.c. in employment, followed by Ontario with 4.5 p.c., Quebec 3.9 p.c., Nova Scotia 2.4 p.c., Newfoundland 1.4 p.c., New Brunswick 0.6 p.c., Saskatchewan 0.4 p.c., and Prince Edward Island 0.3 p.c.

The industrial expansion of Canada since Confederation has been phenomenal. In the past generation alone, Canada has changed from a country producing and exporting mainly primary products to a country that is increasingly producing and exporting manufactured products, until to-day manufactures account for about 30 p.c. of the value of all goods and services produced, and also rank as the leading employer of labour in Canada.

Canada is no longer on the fringes of industrialization but ranks among the world's most important manufacturing countries. Basic historical developments, such as the opening of the West and the magnitude of requirements of all kinds for World Wars I and II, have been followed by recent discoveries of far-reaching significance. Such events as the discovery of a major oil pool on the prairies in 1947, the discovery of large-scale deposits of iron and the successful search for uranium have given new dimensions to Canadian thinking and business planning. These are the factors that explain the records of capital expenditures year by year since the end of the War. Yet it is not the mere rate of expansion that is significant. There have been other periods when Canada's population has grown more rapidly and in many respects the rate of industrial expansion in the late 1920's was relatively as great as in the post-war years. The real significance of the latter period is that never before has there been an advance on such a broad industrial front.

The second point to be observed is the changing emphasis of Canadian manufacturing activity. By 1949 the period of post-war conversion was passed and Canada had entered a new phase of economic expansion which derived its dynamic from the discovery of new resources and the application of new processes. This meant that even the sharp recession in the United States in the year 1949 failed to have significant effects in Canada. The influence of Korea and the consequent rearmament program gave an added impetus to the expansion of Canadian industry and to the development of Canadian basic

resources. Capital expenditures that contributed most to the defence of Canada were given priority. Additional capacity was created to meet requirements of the specialized defence program—aircraft, electronic equipment, ships and guns—many items of which had never before been produced in Canada. Measures such as steel control, credit regulations and deferred depreciation had the desired effect. A shift gradually took place toward the further expansion of basic industrial capacity and away from investment in consumer goods and services.

The stability of current levels of manufacturing is indicated by the fact that such activity is the result of business assessments of resources and market potentialities. Millions of dollars are being invested in oil because the prairies can produce oil as economically as other great fields on the North American Continent. Petro-chemical plants are being erected because the raw materials are readily at hand. Kitimat is based on the coincidence of abundant and cheap hydro-power and access to ocean transportation, both of which are essential to the low-cost production of aluminum. The exploitation of the Ungava iron deposits rests on the belief that the steel industry of the North American Continent will need the high-grade ores involved in order to meet continuing peace-time demands. No country is in a more favourable position than Canada to supply uranium for the production of atomic energy.

Of strategic importance, and probably of even greater long-term significance to the Canadian economy, has been the growing world-wide shortage of raw materials; a shortage born of rising levels of employment and income, and accentuated by the course of international events, especially since 1950. These demands have shown few signs of abating and they have led to substantial increases in Canadian primary manufacturing capacity, particularly in so far as the light metals, nickel, chemical fertilizers and the cheaper grades of paper are concerned.

In recent years the demands stemming from population growth and a rising standard of living have been noticeable at all levels. In food processing, a steady up-grading in the quality of foods sold on the domestic market has been even more important than population growth. The two together have almost doubled the dollar sales of processed foods in this country since 1945. And at the intermediate level other important changes have taken place. Many of Canada's new chemical plants, for example, have been built with the domestic consumer market in mind. Frequently using petroleum or natural gas as a source of raw material, they have gone a long way towards making Canada independent of imports in such categories as vanillin, nylon and rayon intermediates, and plastics for packaging and similar uses.

The tremendous development which has taken place in Canada during the past ten years is strikingly illustrated by the increase of 50.6 p.c. in the physical volume of manufactured products between 1946 and 1956 as compared with an increase of only 31 p.c. in the population. Part of this increase, resulted from an increased demand abroad for Canadian manufactured goods, part to the demands imposed on Canadian industry as a result of the expansion in the economy during the past decade, and part to the increase in the standard of living of the Canadian people. The increase of 70.1 p.c. in the output of durable goods consisting mainly of building materials, transportation equipment as well as machinery and equipment of all kinds reveals the extent of the contribution made by Canadian industry to the phenomenal expansion in the productive capacity of the country. Non-durable goods during the same period increased by 36.3 p.c. Although this increase is quite large it is, nevertheless, overshadowed by the much larger increase of 70.1 p.c. in the durable goods industries of the manufacturing sector.

With only one exception, all groups in both the durable and non-durable sectors recorded marked advances in volume output since 1946, the exception being leather products with a decline of 11.9 p.c. In the durable goods sector the most striking advance was made by the non-metallic mineral products group with an increase of 137.5 p.c. This was followed by electrical apparatus and supplies with 122.5 p.c., non-ferrous metal products 78.5 p.c., transportation equipment 67.9 p.c., iron and steel products 47.3 p.c. and wood products 46.6 p.c.

In the non-durable goods sector the greatest advance was achieved by the products of petroleum and coal group with 164.3 p.c. This was the highest increase of any group of either sector. Rubber and rubber products with an increase of 101.6 p.c. came second, followed by printing, publishing and allied industries with 64.7 p.c., beverages 60.6 p.c., tobacco products 59.2 p.c., paper products 48.1 p.c., chemicals and allied products 26.5 p.c., foods 15.9 p.c., textiles 12.8 p.c., and clothing 2.0 p.c. The output of the leather products group declined by 11.9 p.c.

Manufacturing establishments reporting in 1956 numbered 37,428. Of these 783 were located in Newfoundland, 192 in Prince Edward Island, 1,402 in Nova Scotia, 1,004 in New Brunswick, 12,112 in Quebec, 13,215 in Ontario, 1,534 in Manitoba, 798 in Saskatchewan, 1,971 in Alberta, 4,393 in British Columbia and 24 in the Yukon and Northwest Territories. These plants furnished employment to 1,353,020 persons who received \$4,570,692,190 in salaries and wages. They also shipped goods with a selling value at the factory of \$21,636,748,986 and spent \$11,721,536,889 for materials, while the value added by manufacture totalled \$9,605,424,579.

The value added is obtained by subtracting the cost of materials, including fuel and electricity, from the gross value of products. The difference represents the value added to the materials by labour. It is this difference which the employer of labour uses to pay for the labour itself, the overhead expenses, interest and profits.

To calculate the value of production, it is necessary to adjust the value of shipments for the difference in the opening and closing inventories of finished goods and goods in process. As the census of industry schedules for 1952 and 1953 did not contain data on opening and closing inventories, no calculation can be made directly for value of production. For these two years, therefore, the value added is obtained by subtracting from the shipments the cost of materials, including fuel and electricity. The value thus obtained is somewhat different to the actual value. Beginning with 1954 it is again possible to obtain value of production figures, by adding to the value of shipments the changes in the inventory of finished products and goods in process. The figures for value added in 1954 and subsequent years are, therefore, comparable with 1951 and prior years.

A number of industries still report value of production. To calculate value added by manufacture for these industries, the value of materials used, including the cost of fuel and electricity, is subtracted from the value of production reported, no account is taken of inventory change. For this reason the figures on value added by manufacture for manufacturing as a whole or for major groups published in this report differ slightly from the calculated figures derived by using the formula for converting shipments to production values which is "Shipments plus closing minus opening inventories of finished goods and goods in process equals value of production". To illustrate this point 1955 figures for Canada will be used. These figures are as follows:

	\$'000,000
Value of factory shipments	19,513.9
Inventory of finished goods and goods in process:	
Closing	1,738.6
Opening	1,619.7
Cost of materials used	10,338.2
Cost of fuel and electricity	457.8
Calculated value of production	
(19,513.9 plus 1,738.6 minus 1,619.7 = 19,632.8)	
Value added by manufacture	
(19,632.8 minus 10,338.2 minus 457.8 = 8,836.8)	

This is slightly different to the 8,753.5 figure given in Table 1. The difference is due to the fact that the figures for inventory change used in the formula are for manufacturing as a whole and include the figures for those industries still on a production basis and for which inventory changes have not been taken into account in calculating their value added by manufacture.

Variation in Volume of Production

Group	Volume index (1935-39=100)			Percentage variation		
	1956	1955	Percentage variation	1951 compared with 1946	1956 compared with 1951	1956 compared with 1946
All manufactures	285.9	270.1	+ 5.4	+27.5	+18.1	+ 50.6
Non-durable goods	245.6	235.2	+ 4.4	+18.8	+14.8	+ 36.3
Durable goods	348.9	324.8	+ 7.4	+39.4	+22.0	+ 70.1
Non-durable goods:						
Foods	205.3	203.0	+ 1.1	+ 6.5	+ 8.8	+ 15.9
Beverages	376.5	358.3	+ 5.1	+27.0	+26.5	+ 60.6
Tobacco and tobacco products	325.5	303.3	+ 7.3	+ 3.8	+53.4	+ 59.2
Rubber and rubber products	318.5	296.3	+ 7.5	+67.3	+20.5	+101.6
Leather products	147.9	136.7	+ 8.2	-30.3	+26.4	- 11.9
Textiles	182.4	185.3	- 1.6	+29.0	-12.6	+ 12.8
Clothing, including knitting mills	156.0	149.0	+ 4.7	- 2.1	+ 4.2	+ 2.0
Paper products	279.7	267.7	+ 4.5	+31.2	+12.9	+ 48.1
Printing, publishing and allied industries	236.9	219.5	+ 7.9	+35.4	+21.7	+ 64.7
Products of petroleum and coal	442.2	385.4	+14.8	+64.2	+60.9	+164.3
Chemicals and allied products	300.7	291.8	+ 3.1	+12.7	+12.3	+ 26.5
Durable goods:						
Wood products	256.5	255.1	+ 0.5	+26.1	+16.3	+ 46.6
Iron and steel products	327.8	287.3	+14.1	+31.3	+12.2	+ 47.3
Transportation equipment	371.9	350.7	+ 6.0	+42.2	+18.1	+ 67.9
Non-ferrous metal products	285.7	270.9	+ 5.5	+46.6	+21.7	+ 78.5
Electrical apparatus and supplies	550.3	535.2	+ 2.8	+58.6	+40.3	+122.5
Non-metallic mineral products	525.9	471.5	+11.5	+54.5	+53.7	+137.5

Percentage Variation in Employment, Earnings and Factory Shipments, 1956 Compared With 1955 and 1954

Province and group	1956 compared with 1955			1956 compared with 1954		
	Number of employees	Earnings	Selling value of factory shipments	Number of employees	Earnings	Selling value of factory shipments
Canada	+4.2	+10.3	+10.9	+ 6.7	+17.4	+23.3
Newfoundland	+1.4	+ 6.5	+ 7.0	+ 6.2	+10.4	+12.9
Prince Edward Island	+0.3	+ 5.2	+ 3.7	+ 0.1	+ 7.8	+ 4.4
Nova Scotia	+2.4	+ 9.7	+16.1	+ 4.5	+17.0	+28.1
New Brunswick	+0.6	+ 7.7	+ 6.3	+ 2.0	+10.8	+ 9.0
Quebec	+3.9	+ 9.9	+11.8	+ 5.2	+15.0	+22.7
Ontario	+4.5	+10.6	+10.8	+ 7.1	+18.2	+24.9
Manitoba	+3.6	+ 9.7	+10.0	+ 3.9	+14.6	+13.3
Saskatchewan	+0.4	+ 5.3	+ 1.0	+ 0.1	+ 9.5	+ 6.2
Alberta	+5.6	+12.8	+ 9.7	+12.3	+24.0	+22.2
British Columbia	+6.0	+11.3	+10.7	+13.3	+23.2	+26.1
Yukon and Northwest Territories	+2.9	+12.6	+ 8.0	- 8.4	+ 3.1	+45.1
All groups	+4.2	+10.3	+10.9	+ 6.7	+17.4	+23.3
Foods and beverages	+1.6	+ 6.6	+ 5.9	+ 2.9	+14.4	+ 7.4
Tobacco and tobacco products	+0.9	+ 2.9	- 4.7	+ 1.5	+ 8.8	+ 6.2
Rubber products	+5.6	+11.4	+10.3	+10.7	+21.8	+34.6
Leather products	+2.6	+ 8.7	+ 8.7	+ 2.1	+11.6	+14.8
Textiles	+2.5	+ 6.1	+ 4.4	+ 9.7	+17.1	+19.7
Knitting mills	+1.2	+ 5.1	+ 6.4	+ 1.3	+ 4.3	+ 9.5
Clothing	+0.1	+ 6.0	+ 7.2	+ 0.1	+ 8.7	+12.8
Wood products	+1.4	+ 6.2	+ 5.2	+ 5.2	+16.5	+20.0
Paper products	+4.4	+10.6	+ 7.6	+ 7.3	+17.6	+15.8
Printing, publishing and allied industries	+4.0	+ 8.4	+11.1	+ 5.5	+15.5	+19.2
Iron and steel products	+8.4	+14.8	+22.9	+13.4	+26.6	+41.1
Transportation equipment	+7.2	+12.9	+12.4	+ 5.9	+15.5	+27.9
Non-ferrous metal products	+5.2	+ 9.6	+14.5	+11.0	+21.0	+47.3
Electrical apparatus and supplies	+9.2	+17.6	+13.3	+11.0	+20.1	+26.2
Non-metallic mineral products	+3.1	+ 9.3	+11.4	+14.0	+24.7	+31.6
Products of petroleum and coal	+1.1	+12.8	+18.6	+ 0.7	+17.2	+34.9
Chemicals and allied products	+1.9	+ 8.4	+ 6.4	+ 2.4	+13.2	+18.8
Miscellaneous industries	+6.1	+12.4	+15.3	+ 7.6	+17.0	+29.4

Tables 1 to 3 give a picture of the growth of manufacturing, in general, as shown by comparable principal statistics, i.e., establishments, capital, employees, salaries and wages

paid, cost of materials and values of products. A number of interesting comparisons are made in Table 4 and figures of consumption are given in Table 6.

TABLE 1. Summary Statistics of Manufactures, 1917-56

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 included in manufactures for the first time in 1925.

Year	Estab- lish- ments	Capital	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture ¹	Gross value of products ²
	No	\$	No.	\$	\$	\$	\$
1917	21,845	2,333,991,229	606,523	497,801,844	1,539,678,811	1,281,131,980	2,820,810,791
1918	21,777	2,518,197,329	602,179	567,991,171	1,827,631,548	1,399,794,849	3,227,426,397
1919	22,083	2,670,559,435	594,066	601,715,668	1,779,056,765	1,442,400,638	3,221,457,403
1920	22,532	2,923,667,011	598,893	717,493,876	2,085,271,649	1,621,273,348	3,706,544,997
1921	20,848	2,697,858,073	438,555	497,399,761	1,365,292,885	1,123,694,263	2,488,987,148
1922	21,016	2,667,493,290	456,256	489,397,230	1,272,651,585	1,103,266,106	2,375,197,691
1923	21,080	2,788,051,630	506,203	549,529,631	1,456,595,367	1,206,332,107	2,662,927,474
1924	20,709	2,895,317,508	487,610	534,467,675	1,422,573,946	1,075,458,459	2,570,561,931
1925 ³	20,981	3,065,730,916	522,924	569,944,442	1,571,788,252	1,167,936,726	2,816,864,958
1926 ³	21,301	3,208,071,197	559,161	625,682,242	1,712,519,991	1,305,168,549	3,100,604,637
1927 ³	21,501	3,454,825,529	595,052	662,705,332	1,741,128,711	1,427,649,292	3,257,214,876
1928 ³	21,973	3,804,062,566	631,429	721,471,634	1,894,027,188	1,597,887,676	3,582,345,302
1929 ³	22,216	4,004,892,009	666,531	777,291,217	2,029,670,813	1,755,386,937	3,883,446,116
1930 ³	22,618	4,041,030,475	614,696	697,555,378	1,664,787,763	1,522,737,125	3,280,236,603
1931	23,083	3,705,701,893	528,640	587,566,990	1,221,911,982	1,252,017,248	2,555,126,448
1932	23,102	3,380,475,509	468,833	473,601,716	954,381,097	955,960,724	1,980,471,543
1933	23,780	3,279,259,838	468,658	436,247,824	967,788,928	919,671,181	1,954,075,785
1934	24,209	3,249,348,864	519,812	503,851,055	1,229,513,621	1,087,301,742	2,393,692,729
1935	24,034	3,216,403,127	556,664	559,467,777	1,419,146,217	1,153,485,104	2,653,911,209
1936	24,202	3,271,263,531	594,359	612,071,434	1,624,213,996	1,289,592,672	3,002,403,814
1937	24,834	3,465,227,831	660,451	721,727,037	2,006,926,787	1,508,924,867	3,625,459,500
1938	25,200	3,485,683,018	642,016	705,668,589	1,807,478,028	1,428,286,778	3,337,681,366
1939	24,805	3,647,024,449	658,114	737,811,153	1,836,159,375	1,531,051,901	3,474,783,528
1940	25,513	4,095,716,836	762,244	920,872,865	2,449,721,903	1,942,471,238	4,529,173,316
1941	26,293	4,905,503,966	961,178	1,264,862,643	3,296,547,019	2,605,119,788	6,076,308,124
1942	27,862	5,488,785,545	1,152,091	1,682,804,842	4,037,102,725	3,309,973,758	7,553,794,972
1943	27,652	6,317,166,727	1,241,068	1,987,292,384	4,690,493,083	3,816,413,541	8,732,860,999
1944	28,483	Not collected	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	3,276,280,917	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	17,554,527,504
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

¹ Years 1924-1951, inclusive, the "Value added by manufacture" is computed by subtracting the cost of fuel, electricity and materials from the gross value of products. Years 1952 and 1953 the deduction is made from "Value of factory shipments" and in 1954 and subsequent years from the calculated value of production. Figures prior to 1924 are not comparable since statistics for cost of electricity are not available. (See text p. 8, last four paragraphs).

² In 1952 and subsequent years the basis of collection 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 re-adopted.

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

TABLE 2. Summary Statistics of Manufactures, by Provinces, Significant Years, 1917-56

Province and Year	Estab- lish- ments	Capital	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Gross value of products ¹
	No.	\$	No.	\$	\$	\$	\$
Newfoundland:							
1949	793	Not collected	6,934	15,486,336	31,228,173	32,918,776	67,264,282
1950	850	"	6,582	16,246,252	31,505,623	36,712,377	71,052,850
1951 ²	822	"	9,622	22,681,246	43,117,299	53,690,187	100,642,613
1952	948	"	10,303	25,233,851	45,477,620	56,109,014	105,459,684
1953	939	"	10,575	26,604,908	44,972,021	57,784,697	106,524,603
1954	790	"	9,892	27,601,186	46,503,032	53,483,922	109,567,770
1955	785	"	10,361	28,604,468	49,914,856	60,586,922	115,579,036
1956	783	"	10,502	30,462,735	55,451,956	62,607,709	123,691,344
Prince Edward Island:							
1917	411	2,008,082	1,556	663,251	3,087,621	1,750,135	4,837,756
1920	370	2,328,686	1,287	855,210	4,164,223	2,135,857	5,300,080
1929 ³	263	2,646,354	2,074	727,286	2,862,725	1,466,446	4,408,608
1933	249	2,256,307	991	529,684	1,590,834	1,126,826	2,775,787
1939	222	2,682,900	1,088	617,945	2,239,117	1,243,979	3,543,681
1944	241	Not collected	1,786	1,694,763	6,993,510	3,570,835	10,713,644
1949	251	"	1,747	2,133,555	13,537,144	4,338,320	18,123,200
1952	224	"	1,795	2,805,622	15,785,399	5,957,097	22,069,671
1953	216	"	1,809	3,095,845	16,963,798	5,878,761	23,198,970
1954	209	"	1,774	3,000,211	17,001,551	6,044,749	23,469,743
1955	204	"	1,769	3,074,085	16,803,035	6,431,660	23,628,831
1956	192	"	1,775	3,233,404	17,806,842	6,161,628	24,497,245
Nova Scotia:							
1917	1,337	124,357,851	25,252	18,838,051	102,415,215	57,565,703	159,980,918
1920	1,345	135,679,188	23,425	25,625,089	85,724,785	61,371,243	147,095,028
1929 ³	1,094	118,951,398	19,936	16,905,885	50,725,562	35,676,421	89,787,548
1933	1,277	92,004,624	12,211	3,604,680	25,354,319	19,988,257	47,912,432
1939	1,083	101,954,082	17,627	16,551,635	43,332,195	35,885,563	83,139,572
1944	1,281	Not collected	37,812	59,940,411	103,463,123	93,375,638	204,421,664
1949	1,480	"	29,311	54,686,577	135,841,899	102,294,298	247,592,389
1952	1,533	"	33,371	75,245,387	183,141,366	130,715,000	326,839,747
1953	1,591	"	32,040	76,390,755	180,543,535	127,917,165	320,012,264
1954	1,526	"	29,611	71,740,240	161,294,873	129,777,850	300,072,733
1955	1,524	"	30,218	76,555,923	175,194,419	139,646,423	331,129,690
1956	1,402	"	30,937	83,948,510	214,779,069	159,820,242	384,398,103
New Brunswick:							
1917	943	50,300,907	19,710	12,893,014	32,380,621	27,027,725	59,408,346
1920	901	101,216,395	19,007	19,266,821	50,812,641	45,803,164	106,615,805
1929 ³	803	91,376,948	17,952	15,127,716	39,800,366	26,640,786	68,145,012
1933	747	90,148,317	11,336	9,308,100	20,442,421	18,166,713	41,345,622
1939	803	91,171,323	14,501	13,659,162	35,617,614	27,041,195	66,058,151
1944	937	Not collected	23,164	32,345,080	83,993,599	62,258,478	152,106,577
1949	1,060	"	23,446	44,219,819	131,804,253	91,187,375	231,506,191
1952	1,077	"	24,251	55,978,462	164,760,874	117,837,471	293,759,782
1953	1,094	"	24,471	59,753,045	183,797,711	120,617,345	295,750,419
1954	1,057	"	22,107	55,109,428	157,215,921	118,015,815	287,350,600
1955	1,052	"	22,434	56,683,345	160,905,219	120,808,214	294,829,050
1956	1,004	"	22,560	61,053,301	176,440,306	125,314,488	313,280,599
Quebec:							
1917	7,032	662,012,975	188,043	141,008,616	385,212,984	380,882,409	766,095,393
1920	7,530	878,859,638	183,748	202,516,550	553,558,520	499,643,217	1,053,201,737
1929 ³	6,948	1,246,208,650	206,580	225,226,808	537,270,055	537,796,395	1,108,592,775
1933	7,856	1,035,339,591	157,481	134,696,386	292,560,568	288,504,782	604,496,078
1939	8,373	1,182,538,441	220,321	223,757,767	536,823,039	470,385,279	1,045,757,585
1944	9,656	Not collected	424,115	668,156,053	1,494,253,053	1,350,519,134	2,929,685,183
1949	11,579	"	390,275	809,579,270	2,027,793,643	1,651,629,668	3,788,497,123
1952	12,024	"	429,698	1,125,944,703	2,745,618,113	2,288,643,279	5,176,234,825
1953	12,132	"	441,555	1,225,573,314	2,816,373,112	2,424,647,499	5,386,784,863
1954	12,191	"	424,095	1,214,661,400	2,806,248,363	2,448,027,538	5,395,786,644
1955	12,194	"	429,575	1,271,077,953	3,152,541,331	2,622,333,056	5,922,367,074
1956	12,112	"	446,137	1,396,414,564	3,605,521,666	2,888,148,758	6,622,502,699
Ontario:							
1917	9,061	1,157,850,643	299,389	258,393,065	794,556,502	662,174,261	1,456,730,763
1920	9,113	1,464,097,346	295,674	362,941,317	1,071,843,374	792,267,562	1,864,110,936
1929 ³	9,348	1,986,736,556	328,533	406,622,627	1,056,530,202	916,971,816	2,020,492,433
1933	9,542	1,587,947,947	224,816	220,530,088	464,544,563	465,103,842	958,776,858
1939	9,824	1,762,571,669	318,871	378,376,209	907,011,461	791,428,569	1,745,674,707
1944	10,731	Not collected	564,392	975,038,060	2,310,347,858	1,930,043,913	4,339,797,784
1949	12,951	"	557,190	1,305,544,434	3,256,454,918	2,708,554,013	6,103,804,834
1952	13,172	"	609,696	1,844,186,405	4,387,431,403	3,811,106,576	8,372,173,625
1953	13,114	"	634,554	2,017,982,218	4,560,134,562	4,130,126,462	8,876,504,990
1954	13,178	"	598,914	1,954,767,388	4,412,536,948	3,930,730,030	8,533,167,214
1955	13,276	"	613,872	2,088,905,627	5,014,225,423	4,426,654,771	9,617,642,971
1956	13,215	"	641,190	2,310,634,396	5,683,753,088	4,868,570,251	10,655,098,620

See footnotes at end of table.

TABLE 2. Summary Statistics of Manufactures, by Provinces, Significant Years, 1917-56 - Concluded

Province and Year	Estab- lish- ments	Capital	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Gross value of products ¹
	No.	\$	No.	\$	\$	\$	\$
Manitoba:							
1917	732	82,566,858	18,939	16,513,423	69,715,149	42,280,801	111,995,950
1920	747	94,424,145	23,728	32,372,081	92,729,271	62,776,912	155,506,183
1929 ²	861	121,363,898	24,012	31,224,596	87,832,324	63,925,015	155,265,294
1933	1,010	100,074,404	18,871	18,687,430	44,579,998	37,390,275	83,934,777
1939	1,087	119,659,365	23,910	28,444,798	82,408,293	48,810,544	134,293,595
1944	1,290	Not collected	40,937	62,758,081	226,234,925	120,339,926	352,334,594
1949	1,520	"	41,356	86,088,380	299,101,498	167,335,495	474,681,912
1952	1,531	"	43,365	112,147,572	347,664,650	216,814,306	574,037,212
1953	1,540	"	43,740	121,126,279	345,403,115	229,797,439	584,872,459
1954	1,522	"	41,224	116,454,886	328,827,609	232,487,743	571,408,772
1955	1,549	"	41,318	121,718,573	329,698,765	247,472,108	588,351,081
1956	1,534	"	42,821	133,505,971	367,024,766	270,017,554	647,389,185
Saskatchewan:							
1917	560	24,372,585	6,230	5,403,332	22,040,674	13,894,179	35,934,853
1920	554	24,640,520	6,709	9,571,175	34,894,105	22,610,861	57,504,966
1929 ²	594	43,925,797	7,025	9,105,597	51,003,566	23,002,952	75,368,605
1933	673	38,688,433	4,782	4,848,763	19,124,030	11,478,634	31,559,387
1939	737	37,654,095	6,475	7,346,127	38,782,135	20,283,273	60,650,589
1944	1,054	Not collected	12,361	17,703,103	131,215,017	40,833,333	175,349,234
1949	962	"	10,841	22,273,942	164,349,341	47,356,949	215,742,708
1952	1,022	"	11,307	29,489,862	172,388,119	80,934,157	258,931,776
1953	1,062	"	11,604	32,395,518	180,303,942	79,941,332	266,613,086
1954	1,010	"	11,526	33,509,833	169,326,001	104,560,398	280,733,784
1955	960	"	11,490	34,825,511	174,078,701	113,598,622	295,162,037
1956	798	"	11,536	36,683,383	176,871,188	113,627,642	298,203,489
Alberta:							
1917	636	49,146,241	9,461	8,662,417	42,632,212	23,883,673	66,515,885
1920	666	48,310,655	10,955	15,210,628	56,139,646	29,812,891	85,952,537
1929 ²	736	81,875,952	12,216	14,585,734	62,500,175	36,824,969	100,966,196
1933	874	69,604,563	9,753	9,573,468	29,425,975	18,876,929	49,395,514
1939	961	73,284,225	12,712	14,977,700	53,151,149	32,618,153	87,474,080
1944	1,165	Not collected	22,186	33,227,729	172,082,537	77,415,753	252,949,894
1949	1,685	"	26,425	55,115,554	251,364,059	114,681,296	371,995,120
1952	2,150	"	31,765	82,527,194	331,817,141	178,221,013	518,410,811
1953	2,072	"	33,082	92,605,153	346,221,162	199,660,428	555,814,827
1954	2,052	"	32,765	96,909,889	346,524,989	219,327,509	575,277,702
1955	2,126	"	34,846	106,548,815	366,022,853	263,308,701	641,148,235
1956	1,971	"	36,792	120,195,105	412,138,247	285,830,811	703,188,739
British Columbia:							
1917 ³	1,133	171,375,087	37,943	35,426,675	87,637,833	71,673,094	159,310,927
1920 ⁴	1,306	174,110,438	34,360	49,135,005	125,405,084	104,851,641	230,256,725
1929 ²	1,569	311,806,456	48,153	57,764,968	141,145,838	113,082,137	260,419,645
1933 ³	1,552	263,195,652	28,417	28,469,225	70,166,220	59,034,923	133,879,330
1939	1,710	274,969,502	42,554	53,881,994	136,655,872	103,263,292	247,948,600
1944	2,116	Not collected	96,062	178,639,118	303,560,016	337,137,197	655,844,689
1949	3,493	"	82,934	196,403,722	531,112,329	409,665,348	959,008,088
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	794,835,369	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
Yukon and N.W.T.:							
1939	5	538,847	55	97,766	138,500	92,054	242,963
1944	12	Not collected	67	118,972	189,718	230,803	489,256
1949	18	"	148	359,063	643,807	604,896	1,377,453
1952	23	"	164	530,126	1,075,561	1,022,974	2,288,039
1953	30	"	177	569,995	1,349,970	1,012,008	2,516,683
1954	31	"	191	630,316	1,492,898	1,855,633	3,536,300
1955	26	"	170	604,507	2,843,895	1,732,511	4,751,000
1956	24	"	175	681,433	3,867,415	1,076,223	5,130,497

¹ In 1952 and subsequent years the basis of collection is "Selling value of factory shipments" instead of "Gross value of products".² Includes for the first time the fish processing industry.³ A change in 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 the method in force prior to 1925 was re-adopted.⁴ Includes Yukon and Northwest Territories.

TABLE 3. Summary Statistics of Manufactures, by Industrial Groups, 1945-56

Industrial group and year	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Gross value of products ¹
	number			dollars		
Foods and beverages:						
1945	8,872	156,396	224,908,882	1,336,820,028	558,247,045	1,921,774,601
1946	8,862	160,821	241,769,865	1,408,818,069	604,120,647	2,040,708,650
1947	8,869	167,865	276,245,015	1,656,529,086	695,092,932	2,383,975,675
1948	8,636	168,893	311,235,818	2,034,844,290	766,434,971	2,839,531,142
1949	8,558	170,024	332,536,319	2,009,246,062	834,017,547	2,882,581,753
1952	8,263	175,552	429,650,055	2,333,089,054	1,091,944,158	3,472,516,950
1953	8,129	176,649	455,280,552	2,296,739,737	1,146,473,720	3,491,961,511
1954	8,090	177,883	477,058,728	2,334,166,626	1,181,648,171	3,562,546,744
1955	8,134	180,085	498,786,577	2,319,782,949	1,257,652,677	3,614,315,616
1956	8,023	183,008	531,634,259	2,474,174,069	1,311,492,763	3,826,702,255
Tobacco and tobacco products:						
1945	86	12,164	15,738,041	79,176,519	42,985,992	122,543,932
1946	95	10,849	14,410,558	79,255,405	39,981,625	119,634,216
1947	91	10,880	16,234,772	97,121,002	49,221,094	146,793,011
1948	79	10,459	19,550,563	95,851,271	57,666,963	153,993,442
1949	72	10,686	21,896,378	113,357,196	58,529,226	172,420,213
1952	61	9,277	25,405,072	144,537,670	70,777,110	215,914,370
1953	55	9,494	26,765,643	138,491,043	75,015,218	214,145,491
1954	53	9,469	27,863,939	144,960,769	79,439,243	225,340,976
1955	56	9,529	29,446,891	163,027,885	88,652,932	250,933,785
1956	51	9,613	30,308,855	150,111,499	88,298,796	239,242,872
Rubber products:						
1945	55	23,490	39,111,477	78,500,892	98,836,225	181,413,226
1946	60	22,055	37,813,363	62,135,578	93,451,248	159,408,113
1947	60	23,475	46,613,893	82,934,625	110,673,007	196,307,734
1948	56	21,703	48,273,015	84,223,731	106,999,669	194,111,934
1949	62	20,729	48,172,207	73,895,718	101,705,513	178,503,559
1952	70	21,582	65,477,683	120,799,295	162,493,060	286,654,629
1953	72	22,600	70,994,643	114,336,694	172,674,055	290,735,459
1954	73	20,894	67,476,405	106,501,858	149,073,979	264,184,787
1955	82	21,913	73,774,964	137,074,770	187,029,017	322,412,379
1956	91	23,136	82,154,889	160,686,586	198,602,139	355,583,815
Leather products:						
1945	706	34,123	43,268,635	95,006,015	71,297,713	167,888,463
1946	776	37,290	49,712,628	108,702,945	82,319,495	192,749,456
1947	792	35,724	52,628,612	123,894,474	86,646,061	212,430,165
1948	757	34,291	55,122,863	114,819,233	86,947,703	203,758,501
1949	747	34,900	59,699,886	117,869,462	91,157,684	210,804,174
1952	701	32,103	66,153,490	115,714,505	101,511,149	219,200,929
1953	695	33,068	70,965,495	116,416,179	103,937,262	222,410,182
1954	673	30,748	67,161,757	101,250,853	102,339,751	206,512,812
1955	646	30,575	68,970,276	108,961,619	107,215,340	218,043,090
1956	646	31,384	74,970,034	123,790,832	112,857,380	237,031,985
Textile products: (except clothing)						
1945	664	66,011	88,372,939	217,289,281	165,689,522	391,182,025
1946	720	67,366	95,637,733	215,853,616	178,852,730	402,966,184
1947	747	73,979	116,228,736	289,986,732	215,170,493	514,844,838
1948	722	75,816	141,002,245	331,943,622	261,774,544	604,946,333
1949	847	77,773	156,166,554	339,644,950	285,641,367	636,824,130
1952	918	72,739	178,689,466	418,522,518	312,627,434	744,141,645
1953	959	73,190	184,604,616	388,324,584	299,231,284	700,690,265
1954	975	64,531	170,196,140	350,113,694	275,492,879	640,870,047
1955	977	69,144	187,805,044	408,890,576	314,533,385	734,515,445
1956	965	70,873	199,327,510	430,420,090	323,820,707	766,977,127
Clothing: (textile and fur)						
1945	2,676	99,959	131,478,496	251,899,847	222,307,384	476,754,319
1946	2,988	105,868	146,265,152	285,568,957	263,018,398	551,331,576
1947	3,121	110,329	166,951,727	311,018,817	300,527,093	614,594,703
1948	3,100	115,105	191,866,371	361,216,438	345,028,807	709,688,704
1949	3,058	117,752	206,512,782	371,128,833	352,741,236	727,498,836
1952	3,041	117,668	240,539,672	443,956,596	405,091,338	853,151,206
1953	3,082	120,071	254,425,960	439,262,654	414,503,222	857,981,013
1954	3,030	111,315	239,072,710	410,078,242	383,538,744	801,533,118
1955	2,944	111,344	243,644,687	435,588,452	401,110,652	839,548,665
1956	2,811	111,712	257,854,168	483,175,047	418,424,063	898,919,689

TABLE 3. Summary Statistics of Manufactures, by Industrial Groups, 1945-56 - Continued

Industrial group and year	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Gross value of products ¹
	number			dollars		
Wood products:						
1945	7,656	93,209	119,833,932	240,482,275	208,979,657	454,447,165
1946	8,846	105,472	142,338,538	297,923,979	256,436,946	560,341,251
1947	9,744	120,434	186,467,946	398,854,196	365,050,223	771,403,332
1948	10,495	124,906	214,741,924	423,913,571	401,401,795	839,045,068
1949	11,191	121,632	224,902,644	436,637,453	393,928,758	840,355,634
1952	12,467	130,468	299,430,981	618,979,510	534,155,313	1,167,629,531
1953	12,462	134,310	325,619,252	649,731,056	577,381,926	1,242,014,812
1954	12,165	128,931	323,122,214	623,756,753	566,186,899	1,205,959,905
1955	11,804	133,673	354,439,897	723,815,493	631,857,981	1,375,343,554
1956	11,103	135,583	376,349,267	788,465,324	646,223,303	1,446,612,560
Paper products:						
1945	475	60,819	109,627,174	255,265,326	241,121,150	536,859,861
1946	486	67,442	134,320,546	313,410,656	333,819,710	695,085,534
1947	502	73,445	168,632,394	410,456,570	443,374,435	911,238,813
1948	522	75,980	197,397,810	485,237,427	509,993,037	1,061,359,807
1949	524	76,471	208,348,621	494,300,501	532,288,636	1,093,060,326
1952	543	82,965	292,682,283	694,190,401	736,217,142	1,510,148,791
1953	555	84,436	310,107,707	717,460,043	767,273,583	1,568,250,521
1954	569	87,370	331,556,026	742,032,309	802,280,157	1,630,162,601
1955	580	89,750	349,777,049	793,008,069	867,261,587	1,754,098,505
1956	568	93,705	386,886,416	885,056,261	908,726,918	1,887,611,000
Printing, publishing and allied trades:						
1945	2,312	43,565	74,257,775	52,655,848	132,365,988	186,945,134
1946	2,404	48,950	86,433,880	65,501,698	154,951,731	222,548,636
1947	2,458	52,096	101,611,652	82,585,466	178,667,051	263,632,152
1948	2,496	54,541	119,087,977	96,384,499	208,208,175	307,345,914
1949	3,866	61,834	141,489,984	124,684,351	250,162,704	377,908,182
1952	4,124	64,485	186,250,715	160,393,787	326,662,173	490,934,851
1953	4,157	66,530	205,626,554	175,222,037	364,363,975	543,752,372
1954	4,227	68,614	220,275,989	188,725,630	384,791,305	577,355,291
1955	4,494	69,602	234,579,858	199,161,743	415,668,242	619,828,786
1956	4,585	72,361	254,372,125	225,201,594	459,224,177	688,434,263
Iron and steel products:						
1945	1,903	169,278	313,966,173	395,624,098	527,473,688	952,482,150
1946	2,086	151,373	279,567,770	337,981,814	461,501,765	824,766,017
1947	2,200	162,399	334,044,246	451,289,335	580,342,444	1,064,654,410
1948	2,263	170,071	400,878,271	570,290,989	709,347,226	1,320,527,400
1949	2,347	163,622	413,227,553	619,499,256	760,934,249	1,419,145,725
1952	2,625	189,191	617,010,924	947,993,190	1,134,043,024	2,135,031,744
1953	2,698	188,236	643,474,127	906,165,239	1,140,931,549	2,098,551,079
1954	2,801	173,698	605,526,529	829,237,679	1,085,231,674	1,954,230,964 ²
1955	2,895	181,700	667,657,079	1,005,246,993	1,199,245,953	2,242,717,918
1956	2,963	196,918	766,376,087	1,315,813,753	1,429,985,145	2,756,769,477
Transportation equipment:						
1945	504	154,844	326,748,794	498,241,686	523,910,119	1,034,666,913
1946	539	100,745	200,097,765	301,206,839	279,333,127	590,128,311
1947	562	104,348	230,898,680	426,573,091	366,151,761	803,611,372
1948	578	101,816	255,504,526	509,910,825	419,133,597	941,483,906
1949	596	104,750	270,852,111	584,064,330	466,529,164	1,063,211,331
1952	617	146,360	473,118,450	1,009,470,570	778,347,604	1,803,699,823
1953	621	156,059	555,411,152	1,110,953,581	961,205,155	2,089,937,633
1954	602	133,432	479,079,750	986,721,281	701,600,725	1,713,962,985
1955	594	131,789	490,434,996	1,117,768,836	809,748,007	1,950,410,035
1956	591	141,257	553,571,826	1,286,297,404	906,154,667	2,192,934,975
Non-ferrous metal products:						
1945	436	44,221	81,889,942	337,872,041	180,653,076	548,853,026
1946	474	40,855	75,855,699	311,082,975	148,492,336	484,618,453
1947	503	43,344	91,046,568	434,517,197	201,162,856	668,074,514
1948	503	46,048	108,778,616	556,238,618	248,225,806	844,598,154
1949	532	44,698	114,591,106	537,218,214	289,125,045	867,043,028
1952	552	50,938	167,045,084	744,596,427	414,920,456	1,215,118,447
1953	551	52,058	178,710,057	726,128,115	458,180,471	1,242,010,994
1954	573	50,494	182,191,321	717,966,073	486,933,852	1,263,774,817
1955	581	53,311	201,109,879	974,792,188	590,744,048	1,626,980,855
1956	581	56,071	220,369,740	1,128,961,556	667,853,158	1,862,156,162

TABLE 3. Summary Statistics of Manufactures, by Industrial Groups, 1945-56 - Concluded

Industrial group and year	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Gross value of products ¹
	number			dollars		
Electrical apparatus and supplies:						
1945	247	44, 129	76, 468, 795	92, 041, 030	135, 919, 899	230, 531, 874
1946	266	43, 998	74, 510, 479	101, 939, 272	129, 968, 926	234, 572, 653
1947	296	52, 736	103, 891, 016	162, 131, 266	200, 859, 040	366, 506, 203
1948	314	53, 873	122, 113, 644	180, 344, 829	241, 333, 960	425, 725, 279
1949	365	55, 916	137, 278, 521	212, 460, 413	269, 341, 983	486, 286, 355
1952	401	69, 200	217, 564, 936	313, 713, 170	395, 933, 805	715, 873, 342
1953	422	76, 856	250, 646, 777	383, 743, 994	457, 489, 516	848, 190, 254
1954	457	75, 075	258, 509, 601	396, 583, 427	462, 960, 141	863, 942, 144
1955	468	76, 244	264, 031, 474	477, 655, 753	469, 918, 651	962, 615, 012
1956	473	83, 296	310, 522, 800	558, 249, 520	577, 411, 595	1, 090, 194, 175
Non-metallic mineral products:						
1945	700	20, 269	32, 959, 877	41, 488, 955	76, 318, 456	130, 704, 796
1946	833	24, 387	39, 651, 286	49, 957, 966	94, 591, 439	160, 476, 827
1947	863	26, 443	50, 456, 143	66, 266, 546	115, 277, 990	201, 786, 910
1948	934	27, 278	58, 816, 381	72, 577, 633	134, 897, 744	232, 148, 324
1949	1, 020	28, 139	64, 594, 354	78, 401, 065	143, 872, 615	246, 457, 799
1952	1, 057	31, 422	92, 818, 919	115, 217, 568	203, 692, 859	350, 051, 630
1953	1, 094	34, 352	107, 275, 074	134, 118, 848	239, 815, 853	408, 909, 192
1954	1, 160	35, 229	114, 849, 079	145, 120, 516	256, 951, 758	435, 208, 000
1955	1, 171	38, 949	131, 006, 731	174, 489, 301	301, 656, 877	514, 118, 801
1956	1, 183	40, 165	143, 223, 163	206, 872, 491	322, 821, 042	572, 539, 111
Products of petroleum and coal:						
1945	80	11, 532	22, 904, 418	188, 899, 911	65, 637, 131	270, 166, 984
1946	77	12, 106	24, 197, 354	190, 527, 903	79, 046, 757	286, 007, 855
1947	80	12, 769	28, 689, 932	257, 420, 851	84, 073, 746	361, 333, 008
1948	75	13, 678	34, 766, 341	369, 035, 161	97, 064, 006	491, 961, 894
1949	77	14, 552	39, 783, 500	391, 036, 128	117, 819, 090	533, 730, 719
1952	101	16, 905	63, 573, 173	519, 629, 241	225, 825, 749	780, 436, 047
1953	100	17, 112	66, 565, 434	576, 310, 641	211, 552, 953	823, 089, 340
1954	104	17, 559	69, 681, 725	625, 411, 385	358, 372, 309	1, 020, 911, 348 ²
1955	106	17, 486	72, 436, 559	704, 384, 995	417, 349, 989	1, 160, 824, 499
1956	107	17, 685	81, 679, 924	837, 826, 914	489, 299, 180	1, 377, 226, 103
Chemicals and allied products:						
1945	986	61, 339	107, 050, 824	228, 855, 956	252, 944, 165	498, 630, 798
1946	1, 031	38, 012	67, 842, 339	179, 749, 719	208, 399, 498	401, 741, 703
1947	1, 046	39, 237	78, 993, 517	238, 310, 157	234, 056, 973	488, 307, 293
1948	1, 026	39, 548	89, 325, 771	293, 041, 874	268, 818, 222	579, 827, 509
1949	1, 037	41, 328	100, 690, 662	280, 008, 945	288, 171, 551	587, 398, 215
1952	1, 075	47, 694	148, 075, 675	357, 818, 760	414, 087, 592	796, 562, 234
1953	1, 105	50, 207	164, 590, 810	403, 686, 331	448, 276, 576	881, 503, 845
1954	1, 116	51, 603	177, 311, 960	437, 051, 091	476, 125, 328	935, 724, 880
1955	1, 126	51, 856	185, 267, 943	480, 104, 190	528, 928, 509	1, 044, 079, 000
1956	1, 131	52, 821	200, 742, 647	527, 564, 227	556, 240, 754	1, 111, 233, 404
Miscellaneous industries:						
1945	692	24, 024	37, 187, 275	83, 549, 139	59, 608, 689	144, 523, 599
1946	706	20, 567	30, 262, 299	48, 617, 375	58, 718, 602	108, 607, 036
1947	800	22, 247	36, 291, 117	44, 390, 608	65, 708, 603	111, 532, 447
1948	814	22, 315	40, 906, 054	48, 007, 617	75, 510, 756	125, 116, 374
1949	893	26, 401	51, 147, 475	59, 778, 187	94, 600, 066	156, 363, 321
1952	1, 313	29, 833	74, 133, 582	87, 550, 232	135, 203, 233	225, 620, 866
1953	1, 350	32, 223	85, 954, 495	103, 467, 901	154, 763, 033	261, 282, 891
1954	1, 360	31, 071	85, 748, 818	102, 179, 368	149, 157, 222	252, 306, 085
1955	1, 524	31, 511	89, 239, 630	114, 448, 353	164, 876, 649	283, 147, 866
1956	1, 556	33, 432	100, 348, 480	138, 869, 722	187, 988, 792	326, 580, 013

¹ In 1952 the basis of collection was changed from "value of products made" to "selling value of factory shipments".² Increase is due to the inclusion for the first time of establishments that publish periodicals without doing any printing.³ 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.⁴ Apparent advance in the selling value of factory shipments is due in part to an actual gain in physical output, but the major factor contributing to this increase was a change in accounting procedure by some firms of the petroleum products industry in calculating value of factory shipments. This increased the value by approximately \$139,000,000 over what the value would have been by the former method.

Significant Changes in Manufacturing Production. — The figures in Table 4 trace the tendencies in Canadian manufacturing industries as clearly as possible from 1917 to 1956. In analysing statistics of production and materials used, price changes should be borne in mind, particularly the inflation of values in the years immediately following World War I, the drop in prices of commodities during the depressions following 1921 and 1930, and the increases again in the recent war and post-war period. The figure that shows most clearly the trend of development is concerned with the use of power. The total horse-power employed increased from 1,658,475 in 1917 to 10,397,703 in 1953, an advance of about 527 p.c. in 37 years. In the same period, horse-power per production employee showed an uninterrupted trend from 3.06 to 10.82 in 1933 and 9.46 in 1939. With the large increase in the number of production employees on war production, and the more efficient

utilization of the equipment available, the horse-power per production employee dropped to 6.28 in 1944; the increasing installation of power machinery and the decline in employment after the war resulted in a rise to 8.52 in 1948 and 9.87 in 1953. The significant feature is the increase in both the absolute figures of power employed and the averages per production employee during the depression years as compared with 1929, although the large numbers of persons again finding employment since 1933 reduced the averages for the years 1934 to 1937 and again for 1940 to 1945. Other interesting comparisons are the trend of value added by manufacture, per employee, and of average earnings since 1929. Between 1949 and 1956 the value of purchased fuel and electricity increased by 71.3 per cent; for full details of fuel and electricity used by the manufacturing industries see Tables 57 and 58.

TABLE 4. Significant Statistics of Manufactures for Significant Years 1917-1956

Item	1917	1920	1929 ¹	1933
Establishments..... No.	21,845	22,532	22,216	23,780
Totals, employees..... "	606,523	598,893	666,531	468,658
Averages, per establishment..... "	27.8	26.6	30.0	19.7
Total earnings..... \$	497,801,844	717,493,876	777,291,217	436,247,824
Averages, per establishment..... \$	22,788	31,843	34,988	18,345
Averages, per employee..... \$	821	1,198	1,166	931
Supervisory and office employees..... No.	64,918	78,334	88,841	86,636
Averages, per establishment..... "	3.0	3.5	4.0	3.6
Earnings..... \$	85,353,667	141,837,361	175,553,710	139,317,946
Averages, per employee..... \$	1,315	1,811	1,976	1,608
Production workers..... No.	541,605	520,559	577,690	382,022
Averages, per establishment..... "	24.8	23.1	26.0	16.1
Earnings..... \$	412,448,177	575,656,515	601,737,507	296,929,878
Averages, per employee..... \$	762	1,106	1,042	777
Cost of materials..... \$	1,539,678,811	2,085,271,649	2,029,670,813	967,788,928
Averages, per establishment..... \$	70,482	92,547	91,361	40,698
Averages, per employee..... \$	2,539	3,482	3,045	2,065
Values added by manufactures ³ \$	1,281,131,980	1,621,273,348	1,755,386,937	919,671,181
Averages, per establishment ³ \$	58,646	71,954	79,015	38,674
Averages, per employee ³ \$	2,112	2,707	2,634	1,962
Gross value of products..... \$	2,820,810,791	3,706,544,997	3,883,446,116	1,954,075,785
Averages, per establishment..... \$	129,128	164,501	174,804	82,173
Averages, per employee..... \$	4,651	6,189	5,286	4,170
Power employed..... hp.	1,658,475	2,068,875	3,855,648	4,135,008
Averages, per establishment..... "	76	92	174	174
Averages, per production worker..... "	3.06	3.97	6.67	10.82
	1939	1944	1949	1956
Establishments..... No.	24,805	28,483	35,792	37,428
Totals, employees..... "	658,114	1,222,882	1,171,207	1,353,020
Averages, per establishment..... "	26.5	42.9	32.7	36.1
Total earnings..... \$	737,811,153	2,029,621,370	2,591,890,657	4,570,692,190
Averages, per establishment..... \$	29,744	71,257	72,415	122,120
Averages, per employee..... \$	1,121	1,660	2,213	3,378
Supervisory and office employees..... No.	124,772	192,558	221,551	301,297
Averages, per establishment..... "	5.0	6.8	6.2	8.1
Earnings..... \$	217,839,334	418,065,594	628,427,937	1,272,025,985
Averages, per employee..... \$	1,746	2,171	2,836	4,222
Production workers..... No.	533,342	1,030,324	949,656	1,051,723
Averages, per establishment..... "	21.5	36.2	26.5	28.1
Earnings..... \$	519,971,819	1,611,555,776	1,963,462,720	3,298,666,205
Averages, per employee..... \$	975	1,564	2,068	3,136
Cost of materials..... \$	1,836,159,375	4,832,333,356	6,843,231,064	11,721,536,889
Averages, per establishment..... \$	74,024	169,657	191,194	313,176
Averages, per employee..... \$	2,790	3,952	5,843	8,663
Values added by manufactures ³ \$	1,531,051,901	4,015,776,010	5,330,566,434	9,605,424,579
Averages, per establishment ³ \$	61,724	140,989	148,932	256,637
Averages, per employee ³ \$	2,326	3,284	4,551	7,099
Gross value of products..... \$	3,474,783,528	9,073,692,519	12,479,593,300	21,636,748,986 ⁴
Averages, per establishment..... \$	140,084	318,565	348,670	578,090
Averages, per employee..... \$	5,280	7,420	10,655	15,991
Power employed..... hp.	5,045,287	6,468,439	2	10,397,703 ²
Averages, per establishment..... "	203	227	2	273 ²
Averages, per production worker..... "	9.46	6.28	2	9.87 ²

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 Collected only every five years. These figures are for 1953 which is the latest year available.

³ See footnote 1, Table 1.

⁴ See footnote 2, Table 1.

Recent Changes in Manufacturing Production. — Table 5 shows the changes in the nature of manufacturing production since the end of World War II with regard to numbers employed, the salaries and wages paid, and the gross value of products. Owing to price declines during depressions and rises during periods of prosperity, the values of both wages and products are naturally affected more than the number of employees. Furthermore, during periods of curtailed production there is a tendency for production workers to be put on part time, while the number of office employees responds less quickly to reduction in output than that of production workers. Therefore, there are several reasons why the variation in number of employees should be less than that of money values. The figures of Table 5 are to be compared with those of Tables 8, 9 and 10 which show changes in volume of production. The number of employees in 1944 increased by 86 p.c. over 1939. Salaries and wages paid were 175 p.c. higher and the gross value of production 161 p.c. higher. Another significant change is the increase in the proportion of women engaged in manufacturing. Whereas in 1939, there were 281 females to every 1,000 males employed, in 1944 this figure jumped to 403.

Significant changes in the nature of manufacturing production took place after the cessation of hostilities in 1945. Industries engaged in war production operated at a substantially lower level, while industries producing consumer goods stepped up their production. From the point of view of employment the chemical and allied products group with a drop of 33 p.c. experienced the greatest decline in production between 1945 and 1949. Transportation equipment which includes aircraft and shipbuilding was second with a drop of 32 p.c., followed by tobacco and tobacco products with 12 p.c., rubber goods 12 p.c. and iron and steel products 3 p.c. The non-metallic mineral products group reported the greatest gain in employment with an increase of 39 p.c., followed by printing, publishing and allied trades 31 p.c., wood products 29 p.c., electrical apparatus and supplies 27 p.c., products of petroleum and coal 26 p.c., paper products 21 p.c., textiles (except clothing) 19 p.c., clothing (textile and fur) 18 p.c., foods and beverages 8 p.c., leather products 2 p.c. and non ferrous metal products 1 p.c.

For manufacturing as a whole there was an increase of 4 p.c. in the number of employees with an increase of 39 p.c. in the amount of salaries and wages paid. Although there was an increase of 50 p.c. in the gross value of production, the increase in the physical volume was only 3.4 p.c. This is due to the rise in the wholesale prices of fully and partly manufactured products.

Between 1949 and 1954, for manufacturing as a whole, there was an increase of 40.6 p.c. in the gross value of production, 8.1 p.c. in employment, and 75.5 p.c. in salaries and wages paid. In terms of employment, the electrical apparatus and supplies group with an increase of 34.3 p.c. experienced the greatest expansion since 1949. Transportation equipment came second with 27.4 p.c., followed by non-metallic mineral products with 25.2, chemicals and allied products 24.9, products of petroleum and coal 20.7, miscellaneous industries 17.7, paper products 14.3, non-ferrous metal products 13.0, and printing, publishing and allied industries 11.0. The smallest gain was reported by the rubber products group with 0.8 p.c. Four groups reported declines in employment. Textiles led the list with a drop of 17.0 p.c., followed by leather products with 11.9, tobacco and tobacco products 11.4 and clothing 5.5.

Significant changes have also occurred regionally between 1949 and 1954. In terms of employment, there was an increase of 8.1 p.c. for Canada as a whole. With the exception of two provinces, New Brunswick and Manitoba, all other provinces reported increased employment in manufacturing. Alberta led in this respect with an increase of 24.0 p.c., followed by British Columbia with 15.6 p.c., Newfoundland 13.2 p.c. and Quebec 8.7 p.c. These four provinces were above the Canadian average of 8.1 p.c. Four other provinces also reported increases in employment, but below the Canadian average. Of these Ontario reported an increase of 7.5 p.c., Saskatchewan 6.3 p.c., Prince Edward Island 1.5 p.c. and Nova Scotia 1.0 p.c. Of the two provinces reporting declines New Brunswick suffered a drop of 5.7 p.c. and Manitoba a drop of 1.7 p.c. The following table gives the changes which have taken place in manufacturing during the past ten years, on an industrial as well as a geographical basis.

TABLE 5. Percentage Variation in Employment, Salaries and Wages, and Gross Value of Products in Each Province and Major Industrial Group, Compared for Significant Years, 1945-54

(For a comparison of 1956 with 1955 and 1954 see page 9)

Province and group	1949 compared with 1945			1954 compared with 1949		
	Employees	Salaries and wages	Gross value of products	Employees	Salaries and wages	Gross value of products
Province	1	2	3	4	5	6
Newfoundland ¹	—	—	—	+13.2	+71.1	+43.3
Prince Edward Island	- 2.2	+25.9	+ 69.2	+ 1.5	+40.6	+29.5
Nova Scotia	-22.5	- 8.8	+ 21.1	+ 1.0	+31.2	+21.2
New Brunswick	+ 1.2	+36.7	+ 52.2	- 5.7	+24.6	+24.1
Quebec	- 8.0	+21.2	+ 29.3	+ 8.7	+50.0	+42.4
Ontario	- 1.3	+33.8	+ 40.6	+ 7.5	+49.7	+39.8
Manitoba	+ 2.5	+37.2	+ 34.7	- 1.7	+35.3	+20.4
Saskatchewan	-12.3	+25.8	+ 23.0	+ 6.3	+50.4	+30.1
Alberta	+19.1	+65.9	+ 47.1	+24.0	+75.8	+54.6
British Columbia	-13.7	+ 9.9	+ 46.2	+15.6	+62.8	+53.7
Canada²	+ 3.6	+39.2	+ 50.0	+ 8.1	+75.5	+40.6
Industrial group						
Foods and beverages ³	+ 8.1	+48.5	+ 49.5	+ 3.4	+42.4	+23.1
Tobacco and tobacco products	-12.2	+39.1	+ 42.3	-11.4	+27.3	+30.7
Rubber products	-11.8	+23.2	+ 1.6	+ 0.8	+40.1	+48.0
Leather products	+ 2.3	+38.0	+ 25.6	-11.9	+12.5	- 2.0
Textile products (except clothing)	+18.9	+78.6	+ 65.1	-17.0	+ 9.0	+ 0.6
Clothing (textile and fur)	+17.8	+57.1	+ 52.6	- 5.5	+15.8	+10.2
Wood products ³	+28.9	+86.7	+ 83.9	+ 6.0	+43.7	+43.5
Paper products ³	+20.7	+80.5	+ 95.1	+14.3	+59.1	+49.1
Printing, publishing and allied industries ⁴	+31.2	+81.2	+ 84.1	+11.0	+55.7	+52.8
Iron and steel products	- 3.4	+31.6	+ 49.0	+ 6.2	+46.5	+37.7
Transportation equipment	-32.4	-17.1	+ 2.8	+27.4	+76.9	+61.2
Non-ferrous metal products	+ 1.1	+39.9	+ 58.0	+13.0	+59.0	+45.8
Electrical apparatus and supplies	+26.7	+79.5	+110.9	+34.3	+88.3	+77.7
Non-metallic mineral products	+38.8	+96.0	+ 88.6	+25.2	+77.8	+76.6
Products of petroleum and coal	+26.2	+73.7	+ 97.6	+20.7	+75.2	+91.3
Chemicals and allied products	-32.6	- 6.0	+ 17.8	+24.9	+76.1	+59.3
Miscellaneous industries ⁵	—	—	—	+17.7	+67.7	+61.4

¹ Exclusive of fish processing.

² Newfoundland and "Publishing (only) of Periodicals" are excluded in columns 1, 2 and 3, but are included in columns 4, 5 and 6.

³ Exclusive of Newfoundland in columns 1, 2 and 3; inclusive of Newfoundland in columns 4, 5 and 6.

⁴ Exclusive of "Publishing (only) of Periodicals" in columns 1, 2 and 3.

⁵ Due to the changes of establishments from one industry to another figures for 1949 are not comparable with previous years.

Consumption of Manufactured Products.—One of the beneficial results of adopting the same classification for external trade and for production is exhibited in Table 6, where the value of commodities made available for consumption in Canada is derived from these statistics. For example, the value of all manufactured commodities made available in 1956 was \$23,014,011,922, a figure obtained by adding to the value of manufactured products the value of the imports of manufactured and partly manufactured goods and deducting the value of the exports. In this table more accurate statistics could be presented were it possible to exclude from the gross value of manufactured products the duplications involved when the products of one manufacturing establishment become the material worked upon in another. Iron, vegetable, wood and paper, non-ferrous metals, non-metallic minerals, textiles and animal products were, in that order, the leading groups in the value of finished products made available for consumption in 1956.

Animal, wood and paper and non-ferrous metal products were manufactured in Canada in greater quantities than required for home consumption, providing export balances in these groups.

On balance, Canada in the past imported large quantities of iron and steel, textiles, chemicals and non-metallic mineral

products in spite of large home production. The expansion of the iron and steel, chemical and non-metallic mineral products industries will enable Canada to meet more of her requirements for home consumption and to export greater quantities in the future.

Significant changes have taken place since 1939 in the type of manufactured products made available for consumption. In that year, the iron and its products group was in leading position and contributed 19.8 per cent of the total value of manufactured products. In 1956 this group was still in first place, but the percentage went up to 29.4. The wood and paper products, non-ferrous metals, non-metallic minerals and miscellaneous industries groups also increased their share of the total, while chemicals and allied products remained practically unchanged. The three mineral groups, combined, increased substantially their share of the total from 35.9 in 1939 to 50.2 in 1956. This indicates a higher standard of living for the Canadian people and also reflects the great expansion and diversification in manufacturing which has taken place since 1939. The industries producing consumer goods, on the other hand, suffered a relative decline. Vegetable products dropped from 19.6 to 12.9, animal products from 11.8 to 8.1 and textiles from 13.3 to 8.3. The following table gives the relative position of the major industrial groups in 1939 and 1956.

Manufactured Products Made Available for Consumption
(Percentage of the Total)

Group	1939	1956	Group	1939	1956
Vegetable products	19.6	12.9	Non-ferrous metal products	8.9	11.5
Animal products	11.8	8.1	Non-metallic mineral products	7.2	9.3
Textiles and textile products	13.3	8.3	Chemicals and allied products	5.3	5.1
Wood and paper products	11.6	12.2	Miscellaneous industries	2.5	3.2
Iron and its products	19.8	29.4	Total	100.0	100.0

TABLE 6. Consumption of Manufactured Products, 1928-55, and by Industrial Groups, 1956

Year and group	Value of products manufactured ¹	Manufactured and partly manufactured goods ²		Value of manufactured products available for consumption
		Value of net imports	Value of domestic exports	
dollars				
1928	3,582,345,302	954,387,551	698,376,615	3,838,356,238
1929	3,883,446,116	939,130,201	686,876,071	4,135,700,246
1933	1,954,075,785	298,068,344	365,232,113	1,886,912,016
1939	3,474,783,528	542,364,930	646,853,938	3,370,294,520
1940	4,529,173,316	807,636,948	913,049,979	4,423,760,285
1941	6,076,308,124	1,123,994,913	1,292,855,603	5,907,447,434
1942	7,553,794,972	1,283,884,068	2,056,368,079	6,781,310,961
1943	8,732,860,999	1,305,838,746	2,444,862,298	7,593,837,447
1944	9,073,692,519	1,302,413,996	2,668,575,781	7,707,530,734
1945	8,250,368,866	1,117,544,874	2,352,441,796	7,015,471,944
1946	8,035,692,471	1,390,123,100	1,701,677,026	7,724,138,545
1947	10,081,026,580	1,928,250,119	2,124,740,343	9,884,536,356
1948	11,875,169,685	1,869,702,089	2,259,247,456	11,485,624,318
1949	12,479,593,300	2,043,583,929	2,017,055,615	12,506,121,614
1950	13,817,526,381	2,289,162,070	2,239,733,915	13,866,954,536
1951	16,392,187,132	3,034,709,829	2,749,091,256	16,677,805,705
1952	16,982,687,035	3,125,381,333	2,892,543,945	17,215,524,423
1953	17,785,416,854	3,519,418,503	2,781,269,785	18,523,565,572
1954	17,554,527,504	3,239,535,681	2,811,573,960	17,982,489,225
1955	19,513,933,811	3,781,212,944	3,143,126,437	20,152,020,318
Industrial groups, 1956 ³				
Vegetable products	2,861,852,540	313,486,623	215,256,488	2,960,082,675
Animal products	1,907,739,874	63,479,972	105,098,959	1,866,120,887
Textiles and textile products	1,598,529,035	325,042,464	21,030,548	1,902,540,951
Wood and paper products	4,044,274,969	211,399,363	1,447,697,494	2,807,976,838
Iron and its products	4,928,087,306	2,161,115,279	314,406,192	6,774,796,393
Non-ferrous metal products	2,952,350,337	438,698,501	737,267,814	2,653,781,024
Non-metallic mineral products	1,949,765,214	321,902,276	129,124,824	2,142,542,666
Chemicals and allied products	1,068,993,907	286,375,289	182,854,337	1,172,514,859
Miscellaneous industries	325,155,804	517,537,946	109,038,121	733,655,629
Totals	21,636,748,986	4,639,037,713	3,261,774,777	23,014,011,922

¹ For 1952 and subsequent years the figures are "selling value of factory shipments" instead of "value of products manufactured".

² Figures for the years 1928-38 are for the fiscal years ended Mar. 31 of the following years: for 1939-56 they are for the calendar year. Net imports are total imports less foreign products re-exported.

³ Consumption figures for the major groups of the Standard Industrial Classification cannot be calculated as statistics of imports and exports are still compiled on the component material classification basis.

SECTION 2. VALUE AND VOLUME OF MANUFACTURED PRODUCTS

Value of Manufactured Products. — In the interpretation of manufacturing values over a number of years, variations in the level of prices must be borne in mind. In recent years, due to violent changes in prices, unadjusted value series, used in isolation, have become increasingly inadequate as indicators of economic trends. Of necessity, interest has shifted to measures of volume. The range of prices since 1917, on the base period 1935-39 = 100, was as follows:

Year	General Wholesale	Fully or Chiefly Manufactured Products
1917	148.9	150.9
1920	203.2	208.2
1929	124.6	123.7
1933	87.4	93.3
1939	99.2	101.9
1949	198.3	199.2
1953	220.7	228.8
1956	225.6	231.5

Volume of Manufactured Products. — Since real income is ultimately measured in goods and services, the growth of the volume of manufacturing production, as distinguished from its value, becomes a matter of great significance. The important thing to know is whether consumers are getting more goods and services, and not whether they are expending more dollars and cents. The field of industrial production, because of its dominating position in the national economy, has attracted increasing attention. This, in turn, has resulted in the need for more accurate measurements of physical output.

During the past few years, the Business Statistics Section of the Bureau's Research and Development Division has been engaged in the reconstruction of the Index of Industrial Production. The project consisted mainly of establishing annual gross and net levels of production for each industry from census of industry data and of improving the reliability of the current monthly series. For a description of the methods used in constructing the indexes and a description of its scope, see D.B.S. Reference Paper No. 34 "Revised Index of Industrial Production, 1935-1951".

The construction of this index was made possible by the availability of a great deal of basic data. Annual statistics valuable for this project have been collected by the Bureau without interruption from the end of the first World War to the present, and the scope of the monthly information has been greatly expanded. Applying the methods developed through the experience of the last quarter century, it has been possible to compute an index with a fair measure of accuracy from 1935 to the present.

Prior to the end of the first World War, the movement of industrial production was regarded as following the output of a few factors such as pig iron. The introduction of the index number placed the information on a much wider base. It is safer to base one's impression of the current trend upon a comprehensive index embracing a wide range of economic factors than upon any limited group of components that necessarily fluctuate according to particular influences.

An index of this kind offers considerable advantage in analyzing social and economic problems. The greatest call for the index is for the interpretation of current economic conditions. It is particularly relevant in the study of business fluctuations. While the index is based on the sectors of the economy that are particularly sensitive to short term influences, it also reflects a large part of the variations in the total of all economic activity. The output of mines and factories plays a dominant part in economic fluctuations and is closely associated with transport and trade which are mainly concerned with the distribution of commodities. The barometric nature of the industrial sector enhances the value of the index as an indicator of short-term movements but its usefulness in the interpretation of long-term economic developments should not be overlooked.

The Canadian annual Census of Industry, from which final benchmark indexes are computed, covers practically all establishments, but excludes work in the home. In the matter of repairs, the census of manufactures generally excludes work performed in connection with a service trade such as boot and shoe and automobile repairs. However, the census covers repairs carried on essentially under industrial conditions, such as ship and locomotive repairs. Consequently only industrial-type repairs are included in the index.

The framework of the revised index is based on the new Standard Classification of Industries prepared by an inter-departmental working committee. The preceding system used by the Bureau of Statistics was of a three-fold nature based on (1) chief component material; (2) purpose and (3) origin. The first principle was used most extensively, the criteria of purpose and origin having been used for the presentation of supplementary series which played a secondary role in Bureau publications.

The main innovation introduced in the Standard Classification was the compromise between the different principles. In recent years, Canada's industrial system has undergone considerable development, from a country primarily concerned with the early stages in the processing of primary materials to one that is turning out more and more goods for final consumption. Consequently, in establishing the new classification, the concept of "purpose" has been combined with that of "chief component material" in the framework of the classification of manufacturing industries. The purpose phase was regarded as most appropriate for the wide range of consumer goods such as clothing and foods and beverages.

The industries grouped under the component material phase of the classification from 1935 to 1948 were re-arranged to conform with the standard model. As most of the industries were not greatly affected by the change in classification they were transferred intact to the proper position in the new system. The standard classification, for the most part, provided for comparability at the industry level. It was applied to establishments for the first time in the 1949 census of manufactures. In a number of industries, where the change in classification seriously disturbed the continuity, establishments were re-combined for the whole period covered by the index. The manufacture of synthetic rubber, for example, was transferred from the rubber industry to "miscellaneous chemicals". Plants engaged in the production for distribution of manufactured gas were transferred from "coke and gas" to the gas and electricity division. The salt industry was adjusted so as to comprise only processing operations for inclusion in the manufacturing division of the index. Three minor industries which were re-classified to non-industrial groups were dropped from the computation.

The appropriate series in the manufacturing division were re-classified to obtain sub-indexes of economic significance. The movement of durable goods normally varies from that of non-durables. There tends to be greater fluctuation in durables from prosperity to depression, the demand for non-durables being more constant. The manufacturing division was therefore divided, at the major group level, as between durable manufactures and non-durable manufactures. Although these groupings are rather rough and ready, they are of great use in economic analysis. The classification into producers' and consumers' goods, attempted in some countries, involves more difficulty as many intermediate commodities have alternate uses, and was not attempted here.

Volume of Production, 1923-35. — The indexes of volume of production, 1923-1935 given in Table 7 below were constructed in the General Manufactures Section of the Industry and Merchandising Division for the years 1923 to 1946. On comparing the index for 1935 given in Table 7 which stood at 87.9 with the new index for 1935 at 86.5 given in Table 8, it would appear that for the back years little significant variation existed between the two series. The indexes in Table 7 may therefore be used in evaluating the changes in the volume of manufacturing production between 1923 and 1935.

The physical volume of manufacturing production increased 50 p.c. from 1923 to 1929. When it is recalled that the population of Canada is estimated to have increased only 11 p.c. during the same period, the growth of manufacturing production is indeed remarkable. Of this advance, the part resulting from an increase in the domestic demand due to growth of population would therefore be about 11 p.c. Exports of partly and fully manufactured goods increased from \$591,830,000 in the fiscal year ended Mar 31, 1924, to \$686,876,000 in the fiscal

year 1929-30, the increase in exports representing about 3.6 p.c. of the 1923 production. The remainder of the increase in production by 1929, or a margin equal to roughly 35 p.c. of the volume of manufactures of 1923, was, therefore, apparently absorbed by increases in capital equipment and by the rise in the standard of living of the population of Canada. From a high of 101.4 in 1929 the volume of production declined to 67.6 in 1932 and climbed again to 87.9 in 1935.

TABLE 7. Indexes of the Volume of Manufacturing Production, According to the Component Material Classification, 1923-35
(1935-39=100)

Year	Vegetable	Animal	Textiles	Wood and paper	Iron	Non-ferrous metal	Non-metallic mineral	Chemicals	Miscellaneous	All industries
1923	62.6	75.0	64.3	65.1	81.5	42.7	31.8	59.2	99.5	67.5
1924	67.8	80.4	62.1	64.0	68.6	46.4	78.9	60.5	95.0	66.3
1925	75.1	84.8	66.5	69.0	79.9	52.5	80.3	64.8	94.5	72.5
1926	80.2	92.2	75.8	78.1	102.6	58.6	89.6	70.5	104.4	82.5
1927	84.9	90.0	81.4	84.1	104.1	67.6	102.3	75.2	114.2	87.9
1928	93.5	92.9	87.0	92.5	117.1	75.3	116.3	82.7	110.5	95.8
1929	96.4	87.9	86.1	99.6	133.4	81.3	137.1	84.8	105.6	101.4
1930	91.6	85.3	80.0	92.1	108.6	76.8	122.9	74.9	87.8	91.9
1931	83.4	77.4	78.2	76.6	82.8	73.1	105.6	69.2	80.0	79.9
1932	74.1	76.7	74.6	68.0	53.5	58.9	75.1	66.0	75.8	67.6
1933	72.8	79.6	81.1	69.6	50.2	57.6	68.8	69.9	71.9	67.7
1934	82.4	86.5	89.5	81.5	67.6	70.8	82.5	79.3	85.2	79.6
1935	87.0	91.3	94.5	89.5	83.4	81.2	88.1	87.2	91.1	87.9

Volume of Production, 1935-1955.— The period covered by this report was characterized by unprecedented industrial expansion. Emerging from a depression practically world-wide in scope, industrial operations in this country entered a period of rapid growth which was maintained throughout the war and post-war years without important interruption.

A problem confronting business economists is to determine how much of the post-war industrial "drive" was due to normal growth factors and how much of it was caused by the backlog of war accumulated demand. While it is true that the greatest demand accumulation took place in housing and consumer durables, non-durables such as textiles and clothing also started the post-war period with a sizeable backlog of unfilled demand. It is now becoming apparent, after the vigorous pace of business following the outbreak of hostilities in Korea, that a considerable portion of this demand has been satisfied and some industries, notably textiles, clothing, agricultural implements and some major appliances, are experiencing difficulties. However, overall prospects appear bright for the near future. The high level of capital investment during the past few years which increased productive capacity, is beginning to be reflected in current production statistics. Huge expansion and development programmes are still under way in iron ore, aluminum and other metals, oil, chemicals, electric power, and in a number of other industries. In addition, federal government expenditures for national defence should still exert some influence on the economic picture.

The volume of output of manufactures rose steeply after the outbreak of hostilities in 1939. Productive facilities

responded quickly to the urgent requirements of the armed forces. In the early days of the war, production assignments allotted were comparatively simple, but as the pre-war weapons became obsolete and as Canada proved herself capable of turning out larger and more complex equipment, the assignments constantly shifted, changed and grew more difficult. The production figures merely suggest the magnitude of the achievement. They cannot describe the tremendous effort needed to convert a semi-agricultural country into a wartime arsenal nor the complications which arose because of shortages of manpower, tools and materials.

The productive peak was reached in 1944, when weapons, supplies and equipment were rolling off the assembly lines at record-breaking pace. The end of hostilities and the subsequent reconversion to peace-time production were attended with declines in output in 1945 and 1946. The upward trend was resumed, however, in 1947. The rate of advance slackened moderately in 1948 and 1949 but regained most of its 1947 impetus in 1950 when the renewal of hostilities in Korea resulted in heavy anticipatory buying on the part of consumers and in growing expenditures for national defence. A remarkable feature is that in 1952, the index of the volume of manufacturing production which stood at 246.3 had surpassed the record wartime level of 242.3 established in 1944. The index continued to advance in 1953, reaching a record high of 263.0. In 1954 there was a minor recession and the index dropped to 251.4. With the upturn in economic activity which occurred in 1955 and 1956 the index rose again to an all-time high of 285.9, exceeding the previous high of 1953 by 8.7 p.c.

TABLE 8. Indexes of the Total Volume of Manufacturing Production, Classified on the Basis of Durable and Non-Durable Goods, 1935 - 1956

(1935-39=100)

Year	All manufactures	Non-durable manufactures	Durable manufactures
1935	86.5	89.0	82.7
1936	95.5	97.1	93.1
1937	109.3	106.7	113.2
1938	100.6	98.9	103.2
1939	108.1	108.2	107.9
1940	134.4	124.6	149.7
1941	175.9	148.7	218.5
1942	215.7	169.4	288.1
1943	234.5	171.5	333.0
1944	242.3	179.8	340.1
1945	209.8	176.3	262.1
1946	189.9	180.2	205.1
1947	207.7	191.2	233.5
1948	215.5	197.1	244.4
1949	217.0	198.2	246.3
1950	228.1	208.3	259.1
1951	242.1	214.0	285.9
1952	246.3	215.2	294.9
1953	263.0	224.1	323.9
1954	251.4	221.7	297.7
1955	270.1	235.2	324.8
1956	285.9	245.6	348.9

Non-durable Manufactures

The trend of output in the non-durable sector of manufacturing was visibly smoother than in the durable sector. Except for three years, 1938, 1945 and 1954, there has been no interruption in the upward movement of production during the period under review. Despite the fact that war contracts quickened the pace of output in some of the industries, production continued to expand after the war, although at a slower rate. Unlike durable goods, non-durable commodities are mostly consumers' goods and are less influenced by sudden changes in the international situation or the capital investment programmes of producers and governments. By 1956 the non-durables index of output had reached 245.6, the highest on record.

The production of **processed foods and beverages** rose without pause throughout the period. A characteristic of most **manufactured foods** industries is the high ratio of the value of materials consumed to the value of products, indicating a relatively low degree of fabrication per unit of output. The advance in the production of beverages was practically uninterrupted from 1935 to the present. In 1956, the volume of output was more than 3 times what it was in the base period. The largest increases were recorded in the **aerated waters** and **brewing** industries. The indexes of these industries attained levels approaching 425 and 387 in 1956: **wine** production, after reaching a peak in 1947, dropped 36 per cent in the following three years. Some recovery was recorded during the next few years and in 1956 the output of new wine was 90 p.c. of the 1947 peak. Output of **liquor** climbed steadily until 1946 when the index reached 209. During the next four years, the volume of production fluctuated within narrow limits and in 1952 advanced sharply to an index level of 260, with a further rise to 290 in 1953. After declining moderately in 1954 the index rose again to 336 in 1956.

The great demand for cigarettes for members of the armed forces during the war contributed largely to the considerable increase in the **tobacco products** index which reached the record level of 230 in 1945. The index dropped to 204 the following year, but rose gradually thereafter to 228 in 1950. Weakening demand led to a decline of 7 per cent in 1951. Rapid recovery was made during the next four years with the index rising to 325.5 in 1956, highest on record.

The contribution of the "**Rubber Products**" industry to the war effort was mainly in the form of tires and tubes for military vehicles and aircraft. Production of passenger car tires and tubes was sharply curtailed as was the output of rubber footwear. After marked increases in 1940 and 1941, the index remained more or less stationary at around 150 until 1945 when civilian production was resumed and the index jumped to 180. The industry-wide strike in 1946 contributed to a decline in that year, but record-breaking demand for the industry's output led to sharp advances in the following years, and in 1951 the index had reached the maximum level of 264. During the next few years the index fluctuated moderately and in 1956 climbed to 318.

Output of **leather products** rose steadily until 1946 when the index reached a high point of 168. The subsequent easing of foreign demand for the industry's products contributed to the gradual decline of production in the post-war period with the result that this group has shown the smallest growth of any in the manufacturing sector. In 1956, volume of output was only 48 per cent greater than in the base period. Production of leather tanneries in 1954 was actually 4.0 p.c. lower than in 1935-39, while the output of boots and shoes was 48 per cent higher. Some recovery was made in 1955 and 1956, the output of tanneries increasing 14 p.c. and footwear 69 p.c. over the base period. Since 1946 the overall index of this group dropped 12 p.c.

The **textile (ex. clothing)** industries reached their maximum wartime level of output in 1942 when the net index stood at 187. Production then fell off gradually until 1946 but recovered sharply in the post-war period to an index level of 212 in 1950. A slackening of demand for textiles during the next few years saw the index drop to 188 in 1953, with another sharp drop to 161 in 1954. Of all the industries of the non-durable goods sector, textiles were the hardest hit by the downturn in manufacturing activity in 1954. In 1955 there was substantial recovery and the index which rose to 185 was still, however, some 13 p.c. below the 1950 high. In 1956 there was another minor decline of 1.6 p.c. The movement of individual industries within the group has varied over the period. After reaching its highest level in 1942 the production of **cotton goods** declined steadily until 1947. After varying but fractionally in 1948 and

1949, output jumped 16 per cent in 1950, and remained practically unchanged in 1951, the recession in the last six months of the year just about offsetting the gains recorded in the first half. With continuing adverse conditions, the index dropped to a post-war low of 115 in 1954. The recovery made in 1955 and 1956 brought the index up to 134, still some 28 p.c. below the record of 187 attained in 1942.

Since 1938, the production index for **synthetic textiles** showed an unbroken record of increases and in 1951 stood at 393. The adverse conditions prevailing in the textile industry generally during the past few years also affected the output of synthetic textiles. By 1954 the index dropped to 290 with an increase to 331 in 1955 and a decline to 308 in 1956. Much of the credit for increasing consumer acceptance of synthetics belongs to the achievements of research in improving manufacturing and dyeing techniques and in the development of new combinations of various fibres with a new range of qualities and practical applications.

Synthetic fibres are now being used in the fabrication of a host of commodities such as suitings, overcoatings, blankets, carpets, draperies, upholstery products, tire fabrics, etc., in addition to hosiery, dress fabrics and other women's wear. Moreover, Canadian producers are now supplying the bulk of domestic synthetic raw material requirements which were formerly imported from the United States. As a result, new investment outlays by the industry have increased considerably in the post-war period.

The trend in the physical output of clothing was similar to that of other textiles, the production index reaching a peak of 162 in 1942, then declining gradually until 1945. Since then output fluctuated within narrow limits, dropping to a post-war low of 150 in 1951 and a high of 167 in 1953. The general decline in production in 1954 saw the index drop to 145. The recovery in 1955 was only moderate, the index rising to 149 with a further rise to 156 in 1956. The industry is now facing keen competition and a more selective retail demand. By improving manufacturing methods and styling, the industry hopes to make available more desirable merchandise at lower prices. Weak demand contributed to a marked decline in the level of new investment in durable physical assets. Funds expended for new plant, machinery and equipment dropped from \$15.7 million in 1949 to an average of \$13.0 million during the next four years. From 1954 to 1956 investment dropped to \$9.4 million per annum.

Production of **paper products** advanced sharply in the post-war period. The level of the index remained relatively steady from 1941 to 1944, but increased 54 per cent in the succeeding seven years to a record figure of 248. In 1952 the index dropped to 236 and increased to 268 in 1955. Activity in this sector of manufacturing is influenced mainly by the "**Pulp and Paper**" industry, which, in terms of value added, is the most important single manufacturing industry. In the last few years, the net value contributed by pulp and paper mills was almost twice that of any other industry. The growth of this industry during the period under review was characterized by two distinct phases. From 1935 to the end of the war, new investment by the industry was designed mainly to replace worn-out machinery and equipment and increases in output were principally the result of utilizing idle capacity after the depression of the thirties. Since 1945, however, with strong world demand for wood pulp and newsprint, together with the availability of necessary materials for expansion, the construction of new plant and the installation of new machinery and equipment reached record proportions. Investment in new plant and equipment, which averaged \$105 million during the previous three years dropped to an average of \$70.0 million in 1954 and 1955, a decrease of \$46 million from the record high reported in 1952. In 1956 capital investment reached the unprecedented total of \$134 million.

Newsprint, pulp and paper board are the leading products of the pulp and paper industry. Production of newsprint in 1956 totalled 6,445,110 tons of which 5,967,194 tons were exported.

Canada is thus the leading exporter of newsprint in the world. World exports of newsprint in 1954 are estimated at 6,788,000 tons, with Canada accounting for 81.3 p.c. of the total. Finland, Sweden and Norway, in the order named, are other substantial exporters of newsprint and between them have accounted for 10.5 p.c. of the total. Newsprint is also Canada's leading export and 1956 was valued at \$708,384,822.

The **printing and publishing** industries expanded very little during the war years. In 1944, output was only about 15 per cent greater than in the base period. Production grew rapidly after the end of hostilities and in 1956, volume of output was more than double what it was in the five pre-war years, although this represents a substantially smaller advance than total manufacturing. The post-war increase coincided with the gain in the value of new investment which was mainly in the form of machinery and equipment to make up for deficiencies dating back to the depressed thirties and the war years. Investment in fixed assets totalled \$16 million in 1953 and \$27 million per annum in 1954 to 1956 as compared with only about \$2 million in 1944.

With few interruptions, output of **petroleum and coal products** rose steadily over the period under review to an index of 442 in 1956. Although production of **coke** failed to exceed its record wartime volume, **petroleum refining**, as the result of record-breaking post-war demand for gasoline and fuel oils, showed a marked expansion. In 1956, the production index stood at 552 compared with a wartime high of 170 in 1944. In recent years, the industry has added substantially to its refining capacity. From 1947 to 1951, expenditures for new plant, machinery and equipment which averaged more than \$37 million a year rose to \$84 million during 1952, 1953 and 1954 and to \$107 million in 1955 and 1956. Some of this rapid growth is associated with the remarkable progress made in the exploitation of western crude oil reserves. In 1956, oil from domestic wells represented 54 per cent of the total consumed by Canadian refineries. This compared with a contribution of 22 per cent in 1949.

Output of **chemical products** which include ammunition and explosives reached a record-high level in 1944 when the index stood at 390. Production in the post-war period has been at a considerably lower level, but increased significantly since 1950, with the advent of the defence programme. The index in 1956 stood at 301. The expansion of the industry during the war made possible the manufacture of many products which were formerly imported. In addition, several entirely new products, such as synthetic rubber, were introduced. Demand for these commodities continued in the post-war period and the development of new sources of basic materials, together with the progress of research into additional commercial uses for these new compounds resulted in further expansion of production for civilian use.

The rapid wartime advance was mainly the result of the enlargement of the munition programme with the government and private industry combining forces in the construction of a huge explosives and ammunition-filling industry. At its peak in 1943, the production index for **explosives and ammunition** was 20 times higher than in the base period. Output dropped very rapidly after the end of the war and in 1946 the index was down to 107.

Since the Government-owned Polymer Corporation began producing **synthetic rubber** in 1943, output of this important commodity has expanded considerably, to a total of 135,900 tons in 1956. Production declined somewhat in 1947 and 1948 when imports of natural rubber were resumed, but recovered strongly to record levels since 1950, as the defence programme gathered momentum and as the rubber requirements of the motor vehicles industry rose to a new maximum. During 1956, synthetic rubber accounted for 45 per cent of total new rubber consumed in Canada. This commodity is classified to the "**Miscellaneous Chemicals**" industry.

TABLE 9. Indexes of the Volume of Manufacturing Production of the Groups Comprised within the Non-Durable Manufactures Classification, 1935-1956

(1935-39 = 100)

Year	Non-durable manufactures										
	Foods	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
1935	88.8	78.6	80.7	87.9	95.9	91.1	91.8	90.0	93.9	87.6	85.7
1936	97.7	93.2	88.9	96.2	96.3	101.7	97.0	98.9	99.5	95.7	92.1
1937	101.5	109.5	101.2	112.3	105.7	110.2	104.8	114.0	105.6	104.6	107.4
1938	102.5	107.2	110.9	97.0	93.3	88.8	98.4	91.7	98.9	102.7	103.5
1939	109.4	111.5	118.2	106.0	108.7	103.2	108.0	105.4	102.2	109.4	111.3
1940	119.4	131.0	126.6	115.5	116.1	147.6	125.5	126.6	102.1	125.9	136.2
1941	139.1	151.9	140.9	154.4	141.1	167.5	141.8	143.7	113.4	141.1	210.9
1942	144.3	174.5	171.5	150.6	150.0	186.8	161.9	143.4	114.4	138.2	345.8
1943	156.0	162.0	183.8	147.0	151.1	172.1	156.7	140.0	111.7	150.0	369.3
1944	171.1	190.5	200.6	149.0	149.6	162.0	147.1	149.1	114.9	171.8	390.4
1945	170.0	205.1	230.2	180.2	155.0	160.5	145.6	161.2	125.8	167.5	292.8
1946	177.2	234.4	204.4	158.0	167.9	151.7	152.9	188.9	143.8	167.4	237.7
1947	181.5	249.4	211.9	230.7	148.7	172.9	147.7	207.4	163.3	181.2	245.5
1948	183.0	270.9	215.8	227.6	129.6	180.2	156.0	217.7	177.2	199.0	243.2
1949	180.3	285.7	224.4	208.5	133.5	186.0	159.4	213.7	183.8	218.0	239.5
1950	183.6	282.9	227.5	251.9	126.8	212.4	155.7	230.4	195.3	243.5	253.7
1951	188.7	297.7	212.2	264.3	117.0	208.6	149.7	247.8	194.7	274.9	267.8
1952	195.5	323.6	242.3	246.4	128.0	184.1	154.4	235.5	192.4	295.1	272.4
1953	194.0	336.6	269.6	264.2	135.7	187.6	167.3	244.7	204.8	324.3	284.4
1954	198.1	328.6	279.3	252.6	128.6	161.0	145.4	254.4	214.8	336.9	285.0
1955	203.0	358.3	303.3	296.3	136.7	185.3	149.0	267.7	219.5	385.4	291.8
1956	205.3	376.5	325.5	318.5	147.9	182.4	156.0	279.7	236.9	442.2	300.7

Durable Manufactures

The tremendous increase in physical output during the war years was mostly concentrated in the durable goods sector. When war was declared in September, 1939, there were virtually no armament works, no production of large ships and large planes, no guns, no tanks. Within a few years Canadian plants were turning out naval and merchant ships, warplanes ranging up to the 15-ton Lancaster bomber, military vehicles, millions of rounds of ammunition and hundreds of other war items. On the base of 1935-39 the new volume index of durable manufactures reached a peak of 340 in 1944. In the following two years it declined sharply and stood at 205 in 1946. Since then it has regained the lost ground, reaching 349 in 1956, 2.6 p.c. above the war-time peak of 340.

The largest gain occurred in the output of **transportation equipment**. Due principally to the tremendous increases in production of ships and aircraft, the index for this group of industries rose to the record level of 694 in 1944, the year of maximum war production. After reaching a post-war low of 222 in 1946, the index rose moderately during the next three years, but, spurred by the great demand for passenger cars and by the renewal of defence production, marked gains were made since 1950, with the index climbing to 436 in 1953. The minor recession in industrial production in 1954 affected this group more than any other. The index dropped to 355, a decline of 18.7 p.c. as compared with the previous year. In 1955 there was another minor decline with the index dropping to 351. This was the only group to report a lower volume output in 1955. In 1956 the index recovered to 372.

The **iron and steel** group of industries was also considerably affected by war requirements. As most of the industries in this sector were more firmly established in the pre-war period, they did not expand relatively to the same extent as shipbuilding and aircraft. When European supplies were cut off early in the war, the Canadian basic steel industry had to rely on the United States for a greater supply and had to increase its own steel-making capacity to meet abnormal wartime re-

quirements. However, development of the industry did not halt with end of hostilities. Canada's industrialization programme, together with strong post-war demand for consumers' durable goods, led to steady expansion of the industry so that by 1953, the index for the group stood at 291. Compared with pre-war, pig iron output had more than tripled, and steel ingot and casting production had risen by 170 and 74 per cent respectively. Due to the contraction in the demand for durable goods in 1954 the index for the group dropped to 252, down to about the 1947 level. Pig iron at 2,211,000 tons was down 27 p.c. and steel ingots at 3,195,000 were 22 p.c. lower. However, rapid recovery was made in 1955 and 1956 when the index rose to 328, only 9 p.c. below the record high of 362 attained in 1943. Production of pig iron in 1956 totalled 3,568,000 tons and steel ingots and castings 5,301,000 tons. The additional capacity constructed during the past few years should reduce still further the country's dependence on United States imports of finished and semi-finished iron and steel shapes. Indicative of the rapid growth of the industry in recent years is the amount of funds expended for new plant, machinery and equipment. From an average annual expenditure of \$62 million during the previous five years new investment jumped to \$136 million in 1952 and \$114 million in 1953. New investment in 1954 and 1955 averaged \$92 million and in 1956 reached the record total of \$159 million.

To meet the need for electrical and radar equipment and signalling devices, the **"Electrical Apparatus and Supplies"** industry manufactured articles during the war which were previously not made in Canada. Output of civilian radio receiving sets and appliances was severely curtailed as the industry converted the major part of its productive capacity to the manufacture of war instruments. The production index reached a wartime peak of 312 in 1944 and declined during the next two years. The industry recovered rapidly, however, as a result of accumulated demand for radios, consumers' appliances and heavy electrical equipment, and by 1952 the index had jumped 60 per cent from its 1946 post-war low, to a level of 393. Due mainly to the heavy demand for television sets, the index in

1953 advanced sharply to 487 an increase of 24 per cent over the previous year. In 1954 the index declined moderately to 478, but rose sharply in 1955 to an all-time high of 535, with a further rise to 550 in 1956.

Production in the **non-ferrous metals** group of industries reached a wartime maximum in 1943 when the net index stood at 285. During the next three years, output dropped 44 per cent, but recovered steadily thereafter, backed by sustained demand for base metals. In 1956 the index stood at 286. Aluminum which is an important component of the group is being fabricated into an ever-increasing variety of commodities, and production of aluminum bars and rods, sheets, shapes, etc., reached record proportions in the post-war period. During the war years, aluminum sheet production was of a strong alloy type used principally in aircraft construction and required more fabrication than the regular type of sheet used in the production of cooking utensils and other civilian items.

Military requirements did not affect the nature of output in the non-metallic mineral products group of industries. In war or peace, the bulk of production consists of construction materials such as cement, cement products, building brick, lime and gypsum products, glass, stone products, etc. During the war, under government control, a major proportion of these industries' products were channelled into construction of new war production plants, extensions to pre-war plants, housing for war workers and the building of training and operation facilities for the armed services. No serious reconversion problems were encountered by the non-metal industries immediately following the war. After a slight pause, following the peak of wartime

output, plants turned their productive capacity towards meeting the unprecedented demands of the post-war construction boom. From a wartime maximum of 212 in 1943, the volume index dropped moderately in 1944 and 1945, but rose steeply in succeeding years to reach the record level of 526 in 1956.

In the durables sector, the **wood-using** industries were the least affected by the war. The volume of output of wood products expanded steadily without any serious interruption throughout the war and post-war years. In 1953 the index stood at 235, the highest on record. In 1954 the index declined fractionally to 230, but advanced sharply the following two years to an all-time high of 257 in 1956. The two most important industries are "Sawmills" and "Furniture". The index representing the former, after reaching a wartime maximum of 140 in 1942, declined considerably in 1943, and hovered around 124 during the next two years. Beginning in 1946, output rose sharply, spurred by strong foreign and domestic demand for sawn lumber and by 1951, the index had advanced to 168, but declined to 164 in 1952. Considerable improvement took place since then with the index advancing to 199 in 1955. Exports of planks and boards, shingles and veneer and plywood were considerably lower in 1956. This is reflected in the moderate decline of the index to 193. Production in the furniture industry expanded throughout the period under review. The great increase in residential construction in the post-war period, together with the marked gain in new family formations created a boom for producers of house furnishings. Output of furniture jumped sharply in the three years immediately following the end of the war and rose more gradually during the subsequent period.

TABLE 10. Indexes of the Volume of Manufacturing Production of the Groups Comprised within the Durable Manufactures Classification, 1935-1956

(1935-39 = 100)

Year	Durable manufactures					
	Wood products	Iron and steel products	Transportation equipment	Non-ferrous metal products	Electrical apparatus and supplies	Non-metallic mineral products
1935	85.3	80.5	90.0	73.5	83.8	75.7
1936	95.8	93.0	93.5	91.5	91.2	91.7
1937	108.0	118.1	114.3	106.5	118.7	117.4
1938	102.2	100.7	101.0	109.3	102.4	105.5
1939	108.8	107.7	101.3	114.3	103.8	109.8
1940	132.1	162.3	165.1	138.0	152.9	138.4
1941	150.2	238.0	291.8	193.5	225.8	184.9
1942	156.0	315.9	439.9	255.3	273.5	209.8
1943	148.4	362.4	562.8	284.9	310.5	211.6
1944	153.4	326.2	693.7	256.2	312.1	205.3
1945	155.6	265.2	453.7	193.4	258.1	195.8
1946	175.0	222.6	221.5	160.1	247.3	221.4
1947	195.6	249.9	239.5	182.8	316.8	269.8
1948	200.7	270.4	232.6	201.6	328.5	283.7
1949	202.3	264.5	243.9	200.5	333.8	284.4
1950	215.1	263.2	262.2	212.8	367.6	314.6
1951	220.6	292.2	315.0	234.7	392.3	342.1
1952	214.1	292.7	373.1	232.2	393.1	346.1
1953	235.3	290.8	436.3	243.3	486.7	399.0
1954	230.3	251.8	354.9	246.7	477.8	409.5
1955	255.1	287.3	350.7	270.9	535.2	471.5
1956	256.5	327.8	371.9	285.7	550.3	525.9

SECTION 3. PRODUCTION BY INDUSTRIAL GROUPS AND INDIVIDUAL INDUSTRIES

Subsection 1. Manufactures Grouped on the Standard Classification Basis

Three important changes have been made during the past few years in the methods of collecting and compiling the returns of the annual survey of manufactures. First was the adoption in 1949 of the Standard Industrial Classification. This new classification superseded the classification formerly used by the Bureau, which was based on the nature of the materials used by manufacturing establishments.

For most purposes, a classification of manufacturing industries based upon "chief component material" has in the past proved most useful in Canadian industrial classification. The Bureau's classification based on this concept has been the one most widely adopted for general purposes, such as the decennial census, foreign trade, industrial statistics, etc. Even for these purposes some modification has been deemed expedient, such as the inclusion of such a group as "Textile Products" comprised partly of animal and partly of vegetable products.

When the industry of a country is primarily concerned with the early stages in the processing of primary materials, which form final products such as pig iron, lumber or processed fish, a classification based upon chief component material is wholly applicable. As manufacturing industry develops, however turning out more and more goods for final consumption, the combination of ingredients in such production becomes more and more complex. The modern automotive, aircraft, shipbuilding and electrical apparatus industries are examples in which a wide variety of materials must be assembled for the compilation of the final product. For this reason, the application of the component material classification became increasingly more difficult as Canadian manufacturing production developed and diversified.

In establishing the Standard Industrial Classification, the concept of "purpose" has been combined with that of "chief component material" in the framework of the classification of manufacturing industries. For the classification of consumers' goods industries, the concept of "purpose" seems most applicable both in terms of common usage in referring to industries and in providing the type of data most often required. Hence, such major groups as Foods and Beverages, Clothing, Transportation Equipment, Electrical Apparatus and Supplies, have been established. Some industries were broken down, such as the electrical apparatus and supplies which now comprises five industries—(a) batteries, (b) heavy electrical machinery, (c) radios, television sets and parts, (d) refrigerators, vacuum cleaners and appliances, and (e) miscellaneous electrical products. In some cases, establishments were transferred from one industry to another in order to bring them in line with the new industries which were established. Where an industry was eliminated, the establishments were transferred to one or several industries, depending on the nature of the principal products manufactured. A check was also made of all establishments and many transfers were made where the major products of the establishment had changed materially during the years. By and large, little change was required for most industries, the only change being a transfer to the new major groups which were established.

In the Standard Classification adopted in 1949 the industries are now grouped into seventeen major groups listed in Table 11, instead of the nine groups listed in Table 13 which were formerly used as the main basis of classification. The grouping used in Table 11, where the statistics of individual industries are presented in detail, and in the historical series shown in Table 3 is, therefore, on the basis of the new Standard Industrial Classification. However, to retain some basis of continuity with the past, there is a less detailed analysis given in Table 13 on the component material classification basis, while Table 14 gives the industries on the basis of the origin of the materials used.

The second major change was the adoption of the short form in 1949, which goes a long way in relieving small manufacturers from the irksome duty of filling in complicated and detailed returns to the Bureau.

The growing complexity of modern economic life compels governments to obtain more and more data on which to base their economic policies and for the efficient discharge of their responsibilities in the ever-widening field of activity. To get this information is expensive and also throws a burden on industry in general, which of necessity must be called upon to furnish the desired data. Realizing this, and also the fact that the necessary information must be secured, the Bureau has been casting about for new statistical techniques which would lessen the burden on industry and also would, at the same time, secure substantially correct data for the use of the administrator. With manufacturing statistics, unfortunately, the sampling techniques are difficult to apply. Other methods, therefore, had to be adopted in order to lessen the burden of the smaller manufacturer at least and, at the same time, secure substantially correct results. It was found, for example, that in 1949 out of 35,792 manufacturing establishments, 21,060 with a value of production of \$50,000 or less, contributed only 2.6 p.c. of the total value of production. On the surface it looked obvious that the Bureau could exempt these 21,000 establishments from making annual returns and still obtain satisfactory results. This would be true if we were only interested in the total value of production or the total value of materials used. This, however, is not the case, as the users of the statistics are also interested in the details of the products made and the materials used. By a study of each industry it was found that by exempting the smaller establishments in some industries, that for some commodities produced or materials used there would be a 50 p.c. loss of the total. Complete exemption was therefore out of the question. New methods had to be designed to relieve small establishments of the difficult task in furnishing information. A study was therefore made of each industry classification, of which there are about 200, and different cut-off points were determined for different industries. The general rule adopted was that wherever possible establishments with a value of production of less than \$50,000 per annum should only be required to furnish that one figure to the Bureau, and that on the basis of the information received from the smaller establishments in 1948, the last year for which they were required to furnish complete details, the Bureau would estimate for each small establishment individually the number of employees, salaries and wages paid, as well as the value of materials used. This is done in order to have a hollerith card for each establishment to use in the compilations on a geographical basis. In addition to the principal statistics, details of materials used and products made by the short-form firms are also made for each industry, by province. These estimates are based on the detailed statistics supplied by the small establishments in 1948. These estimates cannot be far out, as in most industries the percentage that these smaller establishments contribute to the total for the industry is only from 10 to 20 p.c. Where it was found that there would be a great loss in commodity data, instead of asking only for the gross value of production, the smaller firms were required to fill in a shorter form which lists the commodities in which there would be a substantial loss if no information was obtained from small firms. In other cases the cut-off point was reduced to \$25,000 or \$15,000.

An important change was made in the annual census of manufactures for 1952. A shipments concept instead of the value of production statistics heretofore compiled was adopted for a large number of industries where it was known that inventory changes from year to year were only of a minor nature. The concept was not changed for industries known to experience wide fluctuations in inventory holdings, pending further study for the need of both production and shipments information. By 1954 the shipments concept was implemented for almost all industries. Industries for which production statistics are still

required are asked to report the detail of products made in physical quantities only and at the same time are required to report details of their shipments, giving both the quantity as well as the selling values at the plant. In a few industries such as sawmills, veneer and plywood, etc., production statistics only are still collected, the products made being valued on the basis of average selling prices during the current year.

The aim of the new Census of Industry schedule is to ease the burden of filling out Bureau questionnaires. The value of shipments concept for small and medium sized establishments is more realistic and more readily obtainable from the accounting records of firms, whereas the value of products made, for firms not recording such information, must be derived from special calculations. The value of shipments provides a standard basis of reporting for all establishments. Under the old system some establishments reported the value of products made and others the value of factory shipments, even though the schedule required products made to be reported. This was especially true for small and medium sized establishments. Further, a great number of firms, attempting to report production values to fulfil the requirements of the old questionnaire, in fact computed their cost of production rather than their selling value, as they were supposed to. Since the value of shipments is usually carried in the firm's accounts, the work of filling out reports should be lessened and the questionnaire should as a result be filled out more promptly. The change should ease the burden for small establishments in particular, since the value of sales is readily available from their accounting records.

Under the "value of products" concept, establishments were required to report the factory selling value of the products made, whether sold or not, the unsold portion being assigned the average selling value of similar articles sold during the year. Where no selling values were available for the unsold portion estimated values had to be assigned. Under the new concept establishments are required to report their sales during the year, regardless of when the products were made.

These two concepts give different results, the first gives the value of products made and the second the value of products sold. For a large number of industries where normally there is no significant changes in the opening and closing inventories of finished products, these two sets of figures may be used interchangeably as they both reveal more or less the value of production and are, therefore, comparable with figures for previous years. There are, however, a number of large key industries with substantial changes in their opening and closing inventories. In such industries the new concept gives quite different results to that obtained formerly. To get comparable figures, the shipments figures must be converted to a production basis by adjusting for inventory change.

The change to the new concept solved the problem of uniformity of reporting inasmuch as the smaller firms who previously were reporting shipments instead of production are now reporting correctly. However, the new method has created other problems. One of these is the calculation of "value added by manufacture," which is obtained by subtracting from the value of production the cost of materials used, including the cost of fuel and electricity. Since the value of production is not now being reported, it has to be calculated by using the following formula.

"Shipments plus closing inventory of finished products and goods in process minus the opening inventory of finished products and goods in process equals value of products made." In order to enable the Bureau to calculate "value added," it became necessary to ask firms to report their opening and closing inventories, broken down into (a) raw materials, (b) goods in process, and (c) finished products. These questions were added to the form for the 1954 census. As the schedules for 1952 and 1953 did not contain data on opening and closing inventories, no calculation can be made directly for value of production. For these two years, therefore, the value added by manufacture is obtained by subtracting from the shipments the cost of materials used, including fuel and electricity.

In theory, adjustment should also be made for the change in work in process inventory, and ideally the inventory adjustment should be on a "value of the physical change" basis rather than the "change in book value." However, it has not been possible to introduce these refinements at the present time.

Another difficulty has arisen in implementing the shipments concept in the case of multiple unit firms that ship the products from the various plants to a central warehouse, located in another city, where the selling function of the firm is performed. In such cases the goods leaving the plant are considered as being shipments under our definition even though the ownership still remains with the reporting firm. Such firms are considered as performing two distinct functions—(a) manufacturing, and (b) distributing—and these two functions are treated statistically as if they were performed by two different organizations. In many cases no stock is held at the plant; consequently shipments and production reported on a plant basis are one and the same. We therefore are still getting production figures from firms that sell from a central warehouse. Where the manufactured products are billed to the warehouse, the firm is required to report the total of such billings during the year. In some cases the production and distribution functions are treated in the accounting records as a unified operation, no charge being made to the warehouse of the products shipped. In such cases firms are instructed, if possible, to report the shipments on a cost of production basis, with a percentage mark-up for profits. The aim of the Division is to get companies to report their shipments on the same basis as if they were selling to an independent wholesaler.

Having received a return from all manufacturing establishments and the value of their products totalled, the question now is "What does this total mean?" The truth of the matter is that a total value of production for a group of industries or all industries for a single year has no significant meaning. To add the value of production of flour mills to that of the baking industry would give an inflated value of production since part of the flour which was sold to bakeries is valued twice, first as a product of flour mills and again in the cost of bread. For example, if a flour mill would produce \$1.00 worth of flour and sell it to a baker, the baker would use this dollar's worth of flour, and after further processing would sell it for \$2.14 according to the experience of the baking industry for 1954. According to the statistics obtained for that year for every dollar's worth of materials used the products made were valued at \$2.14. When you add the production of these two establishments, you get a value of \$3.14. There is thus duplication where the products of one establishment become the raw materials of another establishment. However, in the present issue, the totals of gross value of production or shipments are shown as a matter of historical interest.

A more meaningful indicator had to be evolved to measure the importance and wealth created by an industry or group of industries. This was found in the concept "value added by manufacture." This figure is obtained by subtracting the cost of fuel and electricity as well as the cost of materials used from the gross value of the products, and represents the values added to the raw materials while they are in the factory. Such added values constitute the real production of the manufacturing plant and are alone available for the payment of salaries and wages, interest, rent, taxes, repairs and all other overhead charges that ordinarily must be met, as well as profits. The value added by manufacture reported by the various industries can be added to produce a non-duplicating total for manufacturing as a whole. Being free of duplication, within the manufacturing sector value added figures are therefore more representative of the total value of manufacturing production than the gross value of production figures.

The concept of "net value" is also important in evaluating the importance of an industry as a creator of economic wealth. Usually the gross value of production is used in ranking industries. This method has the defect of overevaluating industries that use expensive raw materials which undergo little processing. The following table ranks the fifteen leading industries in 1954 on the basis of "gross" and "net" value of production.

	Selling value of factory shipments		Value added by manufacture	
	Amount	Rank	Amount	Rank
	\$'000,000		\$'000,000	
Pulp and paper	1, 241. 6	1	641. 1	1
Non-ferrous metal smelting and refining	922. 6	2	352. 0	2
Petroleum products	909. 3	3	309. 8	3
Slaughtering and meat packing	837. 5	4	157. 7	9
Motor vehicles	666. 3	5	176. 5	8
Sawmills	572. 2	6	263. 6	4
Butter and cheese	412. 2	7	99. 4	24
Primary iron and steel	383. 2	8	217. 5	5
Aircraft and parts	343. 0	9	181. 4	7
Miscellaneous food preparations	306. 5	10	90. 4	27
Railway rolling stock	283. 4	11	116. 7	18
Bread and other bakery products	280. 2	12	139. 9	14
Miscellaneous electrical apparatus and supplies	267. 6	13	145. 6	13
Rubber goods (including footwear)	264. 2	14	149. 0	10
Printing and publishing	256. 7	15	182. 9	6

In interpreting the statistics of individual industries, it should be remembered that the figures on employment, production, etc., do not refer to individual products but to all the products made in an industry. For example, the value of production of the confectionery industry, amounting to \$104,853,748 in 1950, does not imply that this was the value of confectionery produced. What it means is that the firms whose principal product is confectionery had a value of production of \$104,853,748. This figure, in addition to confectionery, includes all the subsidiary products made by these firms such as ice cream which was valued at \$2,214,689 and bread and other bakery products valued at \$2,457,312. Confectionery is also

produced as a subsidiary product by firms credited to other industrial classifications. For total production figures of individual products, reference should be made to "The Alphabetical List of Products" published annually as Appendix II to this report.

Table 11 presents for the year 1956 detailed statistics regarding the individual industries under which all industrial plants in Canada are classified. The industries are further assembled under seventeen main groups according to the Standard Industrial Classification.

**TABLE 11. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments
of the Manufacturing Industries, 1956**

No.	Province, industry and group	Estab- lish- ments	Administrative and office employees ¹			Production workers		
			Male	Female	Salaries	Male	Female	Wages
			number		\$	number		\$
Province								
1	Newfoundland	783	1,863	323	6,672,542	7,226	1,090	23,790,193
2	Prince Edward Island	192	338	96	981,372	926	415	2,252,032
3	Nova Scotia	1,402	3,780	1,161	16,142,859	22,471	3,525	67,805,651
4	New Brunswick	1,004	2,668	853	11,800,042	16,019	3,020	49,263,259
5	Quebec	12,112	68,315	26,101	391,023,668	257,492	94,229	1,005,390,896
6	Ontario	13,215	107,822	45,674	677,353,765	391,301	96,393	1,633,280,631
7	Manitoba	1,534	6,549	2,449	34,167,889	26,191	7,632	99,338,082
8	Saskatchewan	798	2,255	863	10,471,197	7,425	993	26,212,186
9	Alberta	1,971	6,804	2,150	32,877,638	24,192	3,646	87,317,467
10	British Columbia	4,393	15,864	5,323	90,360,706	77,982	9,426	302,508,682
11	Yukon and Northwest Territories	24	37	9	174,307	111	18	507,126
12	Canada	37,428	216,295	85,002	1,272,025,985	831,336	220,387	3,298,666,205
Industrial group								
13	Foods and beverages	8,023	26,392	10,986	139,119,490	108,121	37,509	392,514,769
14	Tobacco and tobacco products	51	810	416	6,073,932	3,208	5,179	24,234,923
15	Rubber products	91	3,897	1,628	23,377,147	13,800	3,811	58,777,742
16	Leather products	646	2,790	1,304	16,141,474	15,251	12,039	58,828,560
17	Textiles	965	8,886	4,357	55,745,640	36,380	21,250	143,581,870
18	Knitting mills	286	1,307	1,113	9,547,682	6,081	13,412	40,090,275
19	Clothing	2,525	7,222	4,481	48,393,341	21,594	56,502	159,822,870
20	Wood products	11,103	20,716	3,723	76,737,258	105,332	5,812	299,612,009
21	Paper products	568	12,239	4,797	89,885,892	68,176	8,493	297,000,524
22	Printing, publishing and allied industries	4,585	18,344	11,259	104,899,546	34,065	8,693	149,472,579
23	Iron and steel products	2,963	31,997	11,002	193,355,215	146,856	7,063	573,020,872
24	Transportation equipment	591	24,604	6,764	148,815,335	106,154	3,735	404,756,491
25	Non-ferrous metal products	581	8,840	3,201	55,832,556	41,080	2,950	164,537,184
26	Electrical apparatus and supplies	473	19,291	7,277	117,326,294	39,918	16,810	193,196,506
27	Non-metallic mineral products	1,183	5,710	1,696	31,417,495	30,790	1,969	111,805,668
28	Products of petroleum and coal	107	4,895	1,491	33,318,403	11,232	67	48,361,521
29	Chemicals and allied products	1,131	12,871	6,704	88,263,136	27,495	5,751	112,479,511
30	Miscellaneous industries	1,556	5,484	2,803	33,776,149	15,803	9,342	66,572,331
1. Foods and beverages:								
Bakery products:								
31	Biscuits	46	419	268	2,643,971	2,250	3,254	12,483,750
32	Bread and other bakery products	2,624	3,801	1,408	15,457,659	22,884	7,363	78,301,369
Beverages:								
33	Breweries	59	1,619	427	11,397,925	6,619	59	25,372,422
34	Carbonated beverages	535	1,906	693	10,344,427	4,797	370	12,711,540
35	Distilled liquors	21	707	335	4,591,831	2,705	1,689	14,735,718
36	Wines	19	121	52	931,833	306	47	1,059,990
Canning and processing:								
37	Fish processing	489	1,431	352	5,681,383	8,744	3,821	21,939,791
38	Fruit and vegetable preparations	446	1,984	1,104	11,933,910	7,028	6,634	28,035,128
Dairy products:								
39	Butter and cheese	1,369	3,094	1,719	13,618,326	14,513	809	44,812,557
40	Cheese process	17	173	56	994,291	527	335	2,519,519
41	Concentrated milk products	30	204	103	1,117,605	1,155	62	3,660,599
42	Dairy products, other	52	145	69	770,233	448	123	1,567,203
Grain mill products:								
43	Feeds, stock and poultry, prepared	814	1,518	490	5,738,879	4,436	168	11,803,680
44	Feed mills	577	618	61	1,316,003	929	9	1,811,651
45	Flour mills	76	888	425	4,931,518	3,100	159	10,171,207
46	Foods, breakfast	18	171	100	1,263,595	727	376	3,488,436
Meat products:								
47	Animal oils and fats	16	49	25	357,025	253	2	826,185
48	Sausage and sausage casings	103	299	101	1,600,077	872	506	3,570,965
49	Slaughtering and meat packing	154	4,117	1,346	23,389,774	15,576	3,628	67,082,111
Other food industries:								
50	Confectionery	229	772	591	4,950,414	3,515	4,828	18,449,551
51	Macaroni and kindred products	17	66	27	464,931	374	191	1,410,829
52	Sugar refining	11	484	117	2,970,974	2,452	232	8,892,871
53	Miscellaneous food preparations	301	1,806	1,117	12,652,906	3,911	2,844	17,807,697
54	Totals	8,023	26,392	10,986	139,119,490	108,121	37,509	392,514,769
2. Tobacco and tobacco products:								
55	Tobacco, cigars and cigarettes	35	632	393	5,018,120	2,410	4,393	21,429,403
56	Tobacco processing and packing	16	178	23	1,055,812	798	786	2,805,520
57	Totals	51	810	416	6,073,932	3,208	5,179	24,234,923
3. Rubber products:								
58	Rubber goods, incl. footwear	91	3,897	1,628	23,377,147	13,800	3,811	58,777,742
59	Totals	91	3,897	1,628	23,377,147	13,800	3,811	58,777,742

¹ Includes about 25,000 "Working proprietors".

TABLE 11. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments of the Manufacturing Industries, 1956

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.
No.	dollars					No.
10, 502	30, 462, 735	6, 977, 414	55, 451, 956	62, 607, 709	123, 691, 344	1
1, 775	3, 233, 404	401, 428	17, 806, 842	6, 161, 628	24, 497, 245	2
30, 937	83, 948, 510	13, 346, 321	214, 779, 069	159, 820, 242	384, 398, 103	3
22, 560	61, 063, 301	14, 250, 659	176, 440, 306	125, 314, 488	313, 280, 599	4
446, 137	1, 396, 414, 564	181, 050, 355	3, 605, 521, 666	2, 888, 148, 758	6, 622, 502, 699	5
641, 190	2, 310, 634, 396	229, 355, 946	5, 683, 753, 088	4, 868, 570, 251	10, 655, 098, 620	6
42, 821	133, 505, 971	13, 502, 279	367, 024, 766	270, 017, 554	647, 389, 185	7
11, 536	36, 683, 383	8, 236, 492	176, 871, 188	113, 627, 642	298, 203, 489	8
36, 792	120, 195, 105	14, 014, 511	412, 138, 247	285, 830, 811	703, 188, 739	9
108, 595	393, 869, 388	42, 616, 741	1, 007, 882, 346	824, 249, 273	1, 859, 368, 466	10
175	681, 433	188, 560	3, 867, 415	1, 076, 223	5, 130, 497	11
1, 353, 020	4, 570, 692, 190	523, 940, 706	11, 721, 536, 889	9, 605, 424, 579	21, 636, 748, 986	12
183, 008	531, 634, 259	58, 531, 443	2, 474, 174, 069	1, 311, 492, 763	3, 826, 702, 255	13
9, 613	30, 308, 855	755, 583	150, 111, 499	88, 298, 796	239, 242, 872	14
23, 136	82, 154, 889	4, 884, 170	160, 686, 586	198, 602, 139	355, 583, 815	15
31, 384	74, 970, 034	2, 297, 523	123, 790, 832	112, 857, 380	237, 031, 985	16
70, 873	199, 327, 510	15, 009, 532	430, 420, 090	323, 820, 707	766, 977, 127	17
21, 913	49, 637, 957	1, 913, 227	83, 926, 020	81, 158, 559	165, 149, 727	18
89, 799	208, 216, 211	3, 218, 042	399, 249, 027	337, 265, 504	733, 769, 962	19
135, 583	376, 349, 267	20, 269, 385	788, 465, 324	646, 223, 303	1, 446, 612, 560	20
93, 705	386, 886, 416	107, 487, 809	885, 056, 261	908, 726, 918	1, 887, 611, 000	21
72, 361	254, 372, 125	5, 528, 637	225, 201, 594	459, 224, 177	688, 434, 263	22
196, 918	766, 376, 087	65, 339, 983	1, 315, 813, 753	1, 429, 985, 145	2, 756, 769, 477	23
141, 257	553, 571, 826	21, 346, 076	1, 286, 297, 404	906, 154, 667	2, 192, 934, 975	24
56, 071	220, 369, 740	70, 787, 035	1, 128, 961, 556	667, 853, 158	1, 862, 156, 162	25
83, 296	310, 522, 800	9, 164, 267	558, 249, 520	577, 411, 595	1, 090, 194, 175	26
40, 165	143, 223, 163	46, 299, 250	206, 872, 491	322, 821, 042	572, 539, 111	27
17, 685	81, 679, 924	50, 360, 263	837, 826, 914	489, 299, 180	1, 377, 226, 103	28
52, 821	200, 742, 647	36, 638, 937	527, 564, 227	556, 240, 754	1, 111, 233, 404	29
33, 432	100, 348, 480	4, 109, 544	138, 869, 722	187, 988, 792	326, 580, 013	30
6, 191	15, 127, 721	1, 087, 243	37, 226, 249	38, 244, 500	76, 610, 411	31
35, 456	93, 759, 028	10, 755, 654	145, 925, 800	150, 249, 262	306, 805, 298	32
8, 724	36, 770, 347	3, 048, 700	53, 046, 993	161, 030, 802	215, 897, 007	33
7, 766	23, 055, 967	3, 326, 198	38, 910, 429	79, 268, 993	121, 340, 498	34
5, 436	19, 327, 549	2, 577, 873	51, 134, 121	94, 007, 432	144, 403, 075	35
526	1, 991, 823	142, 841	5, 262, 701	7, 446, 994	13, 315, 534	36
14, 348	27, 621, 174	2, 854, 124	104, 484, 253	73, 064, 792	169, 936, 169	37
16, 750	39, 969, 038	3, 321, 867	150, 499, 615	96, 044, 778	249, 883, 547	38
20, 135	58, 430, 883	8, 758, 821	319, 962, 639	101, 805, 614	431, 255, 262	39
1, 091	3, 513, 810	170, 605	21, 931, 375	5, 368, 139	27, 434, 586	40
1, 524	4, 778, 204	1, 620, 084	59, 087, 756	16, 883, 478	79, 699, 486	41
785	2, 337, 436	408, 516	6, 949, 986	6, 096, 640	13, 393, 921	42
6, 612	17, 542, 559	3, 176, 785	171, 048, 793	47, 033, 133	220, 556, 245	43
1, 617	3, 127, 654	818, 912	23, 287, 892	6, 364, 304	30, 401, 561	44
4, 572	15, 102, 725	1, 775, 351	187, 100, 113	33, 071, 027	221, 769, 944	45
1, 374	4, 752, 031	392, 817	12, 398, 876	18, 703, 988	30, 967, 880	46
329	1, 183, 210	311, 402	2, 450, 415	2, 400, 120	5, 174, 412	47
1, 778	5, 171, 042	544, 138	19, 419, 868	10, 204, 888	30, 133, 379	48
24, 667	90, 471, 885	5, 594, 583	667, 993, 524	171, 398, 415	844, 888, 684	49
9, 706	23, 399, 965	1, 356, 088	62, 858, 163	54, 617, 727	119, 455, 419	50
658	1, 875, 760	192, 094	6, 711, 530	5, 222, 770	12, 021, 712	51
3, 285	11, 863, 845	2, 724, 554	96, 958, 985	30, 122, 828	126, 690, 159	52
9, 678	30, 460, 603	3, 572, 193	229, 523, 992	102, 842, 139	334, 668, 066	53
183, 008	531, 634, 259	58, 531, 443	2, 474, 174, 069	1, 311, 492, 763	3, 826, 702, 255	54
7, 828	26, 447, 523	494, 296	89, 837, 143	79, 120, 370	169, 528, 803	55
1, 785	3, 861, 332	261, 287	60, 274, 356	9, 178, 426	69, 714, 069 ²	56
9, 613	30, 308, 855	755, 583	150, 111, 499	88, 298, 796	239, 242, 872	57
23, 136	82, 154, 889	4, 884, 170	160, 686, 586	198, 602, 139	355, 583, 815	58
23, 136	82, 154, 889	4, 884, 170	160, 686, 586	198, 602, 139	355, 583, 815	59

² This industry still reports "Value of production at the factory" and not "Selling value of factory shipments".

**TABLE 11. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments
of the Manufacturing Industries, 1956 — Continued**

No.	Province, industry and group	Estab- lish- ments	Administrative and office employees ¹			Production workers		
			Male	Female	Salaries	Male	Female	Wages
			number		\$	number		\$
4. Leather products:								
1	Footwear, leather	259	1,725	831	9,794,375	9,117	8,508	36,600,267
2	Gloves and mittens, leather	69	132	70	752,861	612	1,043	2,872,342
3	Leather tanning	53	380	124	2,255,717	3,162	307	10,265,017
	Other leather industries:							
4	Belting, leather	11	27	16	182,924	91	8	277,702
5	Boot and shoe findings, leather	33	79	28	400,478	414	135	1,304,852
6	Miscellaneous leather goods, n.e.s.	221	447	235	2,755,119	1,855	2,038	7,508,380
7	Totals	646	2,790	1,304	16,141,474	15,251	12,039	58,828,560
5. Textiles:								
	Cotton goods:							
8	Cotton thread	11	137	92	897,588	189	537	1,517,983
9	Cotton yarn and cloth	50	2,122	1,131	13,193,627	12,186	6,500	46,265,185
10	Miscellaneous cotton goods	14	66	17	419,860	445	82	1,490,452
	Woollen goods:							
11	Carpets, mats and rugs	19	199	107	1,167,937	908	495	3,742,406
12	Woollen cloth	71	592	324	3,546,028	3,473	2,525	13,657,406
13	Woollen yarn	41	248	147	1,519,787	1,341	1,280	6,165,512
14	Miscellaneous woollen goods	34	217	98	1,842,263	1,472	418	5,415,120
15	Synthetic textiles and silk	47	2,775	1,201	17,110,768	8,976	2,742	32,004,815
	Other primary textiles:							
16	Dyeing and finishing of textiles	54	326	101	1,895,000	1,397	231	4,236,227
17	Narrow fabrics	50	170	118	1,180,897	911	999	4,433,455
	Other textile industries:							
18	Automobile accessories, fabric	19	120	62	837,631	362	447	2,382,786
19	Awnings, tents and sails	142	265	106	1,176,120	626	790	2,506,703
20	Bags, cotton and jute	36	142	63	912,074	321	636	1,975,410
21	Cordage, rope and twine	15	135	68	1,038,414	695	258	2,773,700
22	Embroidery, pleating, hemstitching, etc.	161	227	84	1,201,563	515	925	2,705,711
23	Oilcloth, linoleum and other coated fabric	16	671	281	4,476,878	1,559	153	5,551,134
24	Miscellaneous textiles, n.e.s.	185	474	357	3,329,205	1,004	2,232	6,757,865
25	Totals	965	8,886	4,357	55,745,640	36,380	21,250	143,581,870
6a. Knitting mills:								
26	Hosiery	123	508	442	3,631,793	3,210	4,770	18,268,801
27	Knitted goods	163	799	671	5,915,889	2,871	8,642	21,821,474
28	Totals	286	1,307	1,113	9,547,682	6,081	13,412	40,090,275
6b. Clothing:								
	Men's, women's and children's clothing:							
29	Clothing, children's, factory	191	433	307	2,998,033	1,237	5,553	11,490,778
30	Clothing, men's, factory	551	2,565	1,622	17,182,199	8,215	19,639	57,989,744
31	Clothing, women's, factory	683	1,854	1,407	15,039,244	5,253	17,307	48,184,536
32	Clothing contractors, men's	152	265	68	1,065,380	1,332	3,486	8,363,751
33	Clothing contractors, women's	114	142	45	592,590	245	2,189	3,730,645
	Miscellaneous clothing:							
34	Corsets	42	237	400	2,363,106	404	2,854	5,560,883
35	Fur dressing and dyeing	16	97	19	600,687	777	159	2,655,259
36	Fur goods	522	995	243	4,490,164	2,199	1,214	9,675,793
37	Gloves and mittens, fabric	11	29	34	231,820	109	552	932,765
38	Hats and caps	156	401	200	2,482,658	1,373	2,340	8,077,296
39	Oiled and waterproofed clothing	13	39	17	258,180	137	254	824,266
40	Clothing n.e.s.	74	165	119	1,089,280	313	955	2,337,154
41	Totals	2,525	7,222	4,481	48,393,341	21,594	56,502	159,822,870
7. Wood products:								
42	Furniture	1,890	4,369	1,417	21,821,357	24,652	2,286	71,647,394
	Saw and planing mills:							
43	Flooring, hardwood	27	177	46	1,087,609	1,494	34	3,664,860
44	Sash, door and planing mills	1,805	3,335	680	13,717,673	15,725	202	40,986,845
45	Sawmills	6,629	10,515	868	27,612,917	45,334	361	126,196,287
46	Veneer and plywood	72	771	234	5,136,475	9,068	1,523	31,666,640
	Other wood industries:							
47	Beekeepers' and poultrymen's supplies	7	10	3	26,884	37	2	77,837
48	Boxes and baskets, wood	172	402	94	1,726,921	3,019	406	7,769,505
49	Cooperage	62	108	28	418,045	477	1	1,280,826
50	Excelsior	11	18	7	73,971	81	18	197,024
51	Lasts, trees and shoe findings	15	52	30	306,831	369	188	1,165,022
52	Morticians' goods	59	138	56	716,802	981	178	2,736,624
53	Woodenware	30	70	13	294,346	395	154	1,086,888
54	Wood turning	62	146	43	667,070	969	110	2,363,659
55	Miscellaneous wood products, n.e.s.	262	605	204	3,130,357	2,731	349	8,772,598
56	Totals	11,103	20,716	3,723	76,737,258	105,332	5,812	299,612,009

¹ Includes about 25,000 "Working proprietors".

TABLE 11. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments of the Manufacturing Industries, 1956 - 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.
No.			dollars			
20,181	46,394,642	745,254	66,901,254	69,992,895	136,681,737	1
1,857	3,625,203	69,952	5,991,660	5,906,228	11,737,959	2
3,973	12,520,734	1,145,746	32,584,209	18,332,391	51,858,497	3
142	460,626	31,034	687,417	738,214	1,446,716	4
656	1,705,330	88,367	3,641,554	2,608,299	6,267,090	5
4,575	10,263,499	217,170	13,984,738	15,279,353	29,039,986	6
31,384	74,970,034	2,297,523	123,790,832	112,857,380	237,031,985	7
955	2,415,571	136,164	5,554,485	5,383,647	10,521,041	8
21,939	59,458,812	4,224,024	144,017,345	87,365,325	236,360,054	9
610	1,910,312	169,682	5,343,473	3,322,504	8,689,181	10
1,709	4,910,343	387,023	10,878,118	8,632,981	19,279,651	11
6,914	17,203,434	1,451,163	31,162,821	25,172,743	57,644,516	12
3,016	7,685,299	501,033	22,115,453	12,673,282	34,468,669	13
2,205	7,257,383	491,855	19,112,965	15,300,073	34,862,778	14
15,694	49,115,583	4,874,589	76,492,980	79,629,177	161,161,495	15
2,055	6,131,227	861,185	4,275,761	9,954,451	15,017,121	16
2,198	5,614,352	242,144	9,424,066	9,267,827	18,889,090	17
991	3,220,417	129,043	8,675,890	4,841,966	13,700,631	18
1,787	3,682,823	154,336	9,574,039	6,321,753	15,931,995	19
1,162	2,887,484	124,482	23,705,742	5,343,749	29,108,048	20
1,156	3,812,114	176,773	9,024,435	7,934,809	17,155,868	21
1,751	3,907,274	94,459	3,299,917	5,999,507	9,314,899	22
2,664	10,028,012	574,073	18,357,833	16,074,896	35,068,889	23
4,067	10,087,070	417,504	29,404,767	20,602,017	49,803,201	24
70,873	199,327,510	15,009,532	430,420,090	323,820,707	766,977,127	25
8,930	21,900,594	821,612	24,902,486	35,337,725	60,629,285	26
12,983	27,737,363	1,091,615	59,023,534	45,820,834	104,520,442	27
21,913	49,637,957	1,913,227	83,926,020	81,158,559	165,149,727	28
7,530	14,488,811	225,795	32,030,598	25,781,544	57,644,337	29
32,041	75,171,943	1,036,942	155,425,652	118,934,426	272,145,915	30
25,821	63,223,780	740,000	132,860,064	106,186,011	237,611,438	31
5,151	9,429,131	184,394	1,468,665	11,523,735	13,151,560	32
2,621	4,323,235	73,853	450,955	5,916,298	6,454,292	33
3,895	7,923,989	126,933	11,494,745	15,836,565	27,682,743	34
1,052	3,255,946	106,527	1,057,850	5,096,238	6,241,696	35
4,651	14,165,957	327,135	39,044,908	21,886,544	61,126,085	36
724	1,164,585	19,802	2,423,958	2,185,780	4,651,618	37
4,314	10,559,954	292,168	13,236,627	16,385,000	29,742,506	38
447	1,082,446	17,872	2,496,193	1,805,044	4,357,077	39
1,552	3,426,434	66,621	7,258,812	5,728,319	12,960,695	40
89,799	208,216,211	3,218,042	399,249,027	337,265,504	733,769,962	41
32,724	93,468,751	3,445,065	148,015,272	148,496,496	297,554,404	42
1,751	4,752,469	227,139	12,057,352	7,751,539	19,818,255	43
19,942	54,704,518	3,964,726	151,697,647	89,172,259	243,381,166	44
57,078	153,809,204	8,957,828	350,745,728	279,710,804	639,414,360 ²	45
11,596	36,803,115	1,627,392	71,621,361	67,947,325	137,580,874	46
52	104,721	9,243	238,167	171,430	416,954	47
3,921	9,496,426	521,555	14,161,063	14,351,376	28,829,565	48
614	1,698,871	112,582	4,787,106	2,255,092	7,119,153	49
124	270,995	26,822	237,755	392,837	656,577	50
639	1,471,853	42,291	1,421,848	2,388,700	3,834,819	51
1,353	3,453,426	151,884	4,289,501	5,606,379	9,902,378	52
632	1,381,234	79,115	1,890,083	2,115,866	4,116,500	53
1,268	3,030,729	157,466	3,815,760	4,694,221	8,583,508	54
3,889	11,902,955	946,277	23,486,681	21,168,979	45,404,047	55
135,583	376,349,267	20,269,385	788,465,324	646,223,303	1,446,612,560	56

² This industry still reports "Value of production at the factory" and not "Selling value of factory shipments".

**TABLE 11. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments
of the Manufacturing Industries, 1956 - Continued**

No.	Province, industry and group	Estab- lish- ments	Administrative and office employees ¹			Production workers		
			Male	Female	Salaries	Male	Female	Wages
			number		\$	number		\$
8. Paper products:								
1	Boxes and bags, paper	215	1,908	1,001	11,994,339	7,959	4,661	36,857,355
2	Pulp and paper	126	8,286	2,581	64,075,889	54,079	1,039	233,496,055
3	Roofing paper	25	676	320	4,120,947	1,391	76	4,990,800
4	Miscellaneous paper goods	202	1,369	895	9,694,717	4,747	2,717	21,656,314
5	Totals	568	12,239	4,797	89,885,892	68,176	8,493	297,000,524
9. Printing, publishing and allied industries:								
Commercial printing:								
6	Printing and bookbinding	1,840	4,458	2,072	25,573,743	13,604	5,223	57,829,687
7	Trade composition	50	190	63	1,088,369	795	22	3,015,021
Engraving, stereotyping and allied industries:								
8	Engraving, stereotyping and electrotyping	151	686	357	5,265,071	3,029	536	14,993,206
9	Lithographing	85	623	360	4,915,420	2,484	966	11,984,293
Printing and publishing:								
10	Printing and publishing	766	9,557	5,251	54,375,481	14,153	1,946	61,650,372
11	Publishing (only) of periodicals	1,691	2,830	3,156	13,681,462	—	—	—
12	Totals	4,585	18,344	11,259	104,899,546	34,065	8,693	149,472,579
10. Iron and steel products:								
13	Agricultural implements	71	2,043	524	10,776,491	7,182	80	25,927,087
14	Boilers, tanks and platework	103	1,928	618	10,634,583	6,435	23	23,750,111
15	Bridge and structural steel work	51	2,499	580	15,564,949	10,610	18	42,875,251
16	Castings, iron	199	1,963	772	12,428,552	14,350	276	54,387,104
17	Hardware, tools and cutlery	392	2,164	1,082	14,332,689	9,757	1,611	37,525,138
18	Heating and cooking apparatus	117	1,739	722	10,700,913	6,719	258	22,670,214
19	Machinery, household, office and store	74	1,685	685	9,665,190	6,146	957	23,637,467
20	Machinery, industrial	329	5,749	2,222	33,810,374	17,931	673	69,073,738
21	Machine shops	683	1,488	293	6,860,893	5,847	109	18,378,734
22	Machine tools	11	292	104	1,987,570	1,076	—	3,939,831
23	Primary iron and steel	50	3,881	1,090	26,703,039	30,871	201	136,177,828
24	Sheet metal products	381	3,094	1,157	19,618,651	14,127	1,634	54,126,836
25	Wire and wire goods	133	1,488	644	9,566,478	7,269	794	30,234,739
26	Miscellaneous iron and steel products	369	1,984	509	10,704,843	8,536	420	30,316,794
27	Totals	2,963	31,997	11,002	193,355,215	146,856	7,063	573,020,872
11. Transport equipment:								
28	Aircraft and parts	52	10,159	2,917	60,860,882	21,920	567	85,567,132
29	Bicycles and parts	5	92	52	598,321	427	56	1,593,703
30	Boat building	197	305	58	1,082,095	1,316	32	3,676,222
31	Motor vehicles	13	6,329	1,675	40,973,235	26,640	455	108,974,988
32	Motor vehicle parts	198	3,154	1,096	20,300,052	14,868	2,353	62,061,805
33	Railway rolling stock	29	2,367	364	13,323,443	25,351	36	87,405,728
34	Shipbuilding	67	2,089	563	11,045,967	15,037	93	53,639,583
35	Miscellaneous transportation equipment	27	109	39	631,340	595	143	1,837,330
36	Totals	591	24,604	6,764	148,815,335	106,154	3,735	404,756,491
12. Non-ferrous metal products:								
37	Aluminum products	96	1,730	850	11,710,939	4,031	273	13,953,222
38	Brass and copper products	154	1,410	590	9,196,588	6,669	551	25,532,773
39	Jewellery and silverware	220	635	430	3,982,989	2,380	1,432	10,007,520
40	Non-ferrous metal smelting and refining	23	4,297	1,053	25,950,477	25,389	49	104,189,467
41	White metal alloys	58	492	189	3,198,641	1,997	521	8,225,402
42	Miscellaneous non-ferrous metal products	30	276	89	1,792,922	614	124	2,628,800
43	Totals	581	8,840	3,201	55,832,556	41,080	2,950	164,537,184
13. Electrical apparatus and supplies:								
44	Batteries	36	436	223	2,795,133	1,220	365	5,222,176
45	Refrigerators, vacuum cleaners and appliances	77	1,640	731	10,865,595	5,717	1,424	23,701,593
46	Machinery, heavy, electrical	74	6,035	2,161	37,265,675	12,564	2,876	58,464,297
47	Telecommunication equipment	125	6,259	2,083	34,925,368	6,818	6,243	37,643,549
48	Miscellaneous electrical apparatus and supplies	161	4,921	2,079	31,474,523	13,599	5,902	68,164,891
49	Totals	473	19,291	7,277	117,326,294	39,918	16,810	193,196,506

¹ Includes about 25,000 "Working proprietors".

TABLE 11. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value added and Shipments of the Manufacturing Industries, 1956 - 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.			dollars			
15,529	48,851,694	1,831,644	150,435,248	90,933,771	241,444,038	1
65,985	297,571,944	103,505,891	625,205,442	736,346,393	1,453,441,726	2
2,463	9,111,747	703,640	22,439,088	18,102,095	41,674,762	3
9,728	31,351,031	1,446,634	86,976,483	63,344,659	151,050,474	4
93,705	386,886,416	107,487,809	885,056,261	908,726,918	1,887,611,000	5
25,357	83,403,430	2,124,832	81,272,057	139,473,551	221,879,981	6
1,070	4,103,390	63,264	489,485	6,006,932	6,569,207	7
4,608	20,258,277	426,068	8,300,429	30,516,932	39,035,803	8
4,433	16,899,713	317,706	21,163,128	29,240,021	50,612,681	9
30,907	116,025,853	2,596,767	83,988,564	218,964,666	305,326,585	10
5,986	13,681,462	—	29,987,931	35,022,075	65,010,006 ²	11
72,361	254,372,125	5,528,637	225,201,594	459,224,177	688,434,263	12
9,838	36,703,578	1,872,226	64,786,280	51,474,339	122,681,025	13
9,004	34,384,694	1,451,024	56,993,458	53,533,046	110,697,040	14
13,707	58,440,200	1,813,402	103,229,597	99,728,554	204,771,553 ²	15
17,361	66,815,656	4,184,022	123,391,722	122,732,230	244,028,587	16
14,614	51,857,827	2,200,955	60,033,290	98,882,470	158,406,440	17
9,438	33,371,127	1,572,982	65,663,194	60,118,307	123,626,040	18
9,473	33,302,657	1,013,861	64,971,338	65,594,236	128,254,564	19
26,575	102,884,112	3,164,606	142,776,773	200,479,761	329,447,227	20
7,737	25,239,627	1,129,746	20,714,664	37,601,274	59,235,440	21
1,472	5,927,401	155,081	5,402,839	8,353,769	13,495,383	22
36,043	162,680,867	38,311,951	301,298,582	352,522,996	680,860,470	23
20,012	73,745,487	3,172,301	162,747,069	135,728,461	296,043,128	24
10,195	39,801,217	2,136,471	89,906,441	72,529,912	160,458,338	25
11,449	41,021,637	3,161,355	53,893,506	70,705,790	124,764,242	26
196,918	766,376,087	65,339,983	1,315,813,753	1,429,985,145	2,756,769,477	27
35,563	146,428,014	4,084,546	138,155,854	212,269,685	354,510,085 ²	28
627	2,192,024	102,334	2,064,977	4,190,887	6,424,483	29
1,711	4,758,317	180,689	5,049,849	6,595,758	11,507,160	30
35,099	149,948,223	5,978,809	697,299,987	298,259,463	988,143,273	31
21,471	82,361,857	4,607,091	177,584,923	154,511,210	329,525,120	32
28,118	100,729,171	4,394,127	207,028,080	134,093,999	345,516,206 ²	33
17,782	64,685,550	1,879,263	54,130,593	91,188,806	147,198,662 ²	34
886	2,468,670	119,217	4,983,141	5,044,853	10,109,986	35
141,257	553,571,826	21,346,076	1,286,297,404	906,154,667	2,192,934,975	36
6,884	25,664,161	1,807,712	56,330,198	35,131,189	90,470,877	37
9,220	34,729,361	2,405,113	173,601,665	69,497,906	244,096,116	38
4,877	13,990,509	394,988	29,499,839	24,171,407	53,460,985	39
30,788	130,139,944	64,942,503	820,604,322	511,018,353	1,396,565,178 ²	40
3,199	11,424,043	975,391	41,590,230	20,180,300	62,515,219	41
1,103	4,421,722	261,328	7,335,302	7,854,003	15,047,737	42
56,071	220,369,740	70,787,035	1,128,961,556	667,853,158	1,862,156,162	43
2,244	8,017,309	574,170	25,702,818	14,540,125	41,133,182	44
9,512	34,567,188	1,616,333	75,861,210	80,339,475	148,903,902	45
23,636	95,729,972	2,424,866	116,074,348	163,584,152	261,832,208	46
21,403	72,568,917	1,269,636	135,182,456	119,323,007	244,762,934	47
26,501	99,639,414	3,279,262	205,428,688	199,624,836	393,561,949	48
83,296	310,522,800	9,164,267	558,249,520	577,411,595	1,090,194,175	49

² This industry still reports "Value of production at the factory" and not "Selling value of factory shipments".

**TABLE 11. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments
of the Manufacturing Industries, 1956 — Concluded**

No	Province, industry and group	Estab- lish- ments	Administrative and office employees ¹			Production workers		
			Male	Female	Salaries	Male	Female	Wages
			number		\$	number		\$
14. Non-metallic mineral products:								
1	Abrasives, artificial	17	463	171	3,249,673	2,081	101	8,497,269
2	Asbestos products	16	354	137	2,060,008	1,564	194	6,467,497
3	Cement, hydraulic	17	348	68	2,044,915	2,819	2	11,125,431
4	Clay products from domestic clay	119	419	91	2,240,937	3,986	65	13,169,319
5	Clay products from imported clay	37	253	84	1,565,066	1,464	330	5,936,802
6	Concrete products	596	1,792	324	8,218,771	7,900	37	25,513,892
7	Glass and glass products	112	874	485	5,326,832	5,698	1,116	23,004,373
8	Gypsum products	12	321	107	1,967,127	1,241	6	4,309,104
9	Lime	38	79	13	371,969	1,009	2	3,493,483
10	Salt	13	144	39	792,433	591	45	2,109,258
11	Sand-lime brick	4	14	—	68,877	121	—	403,920
12	Stone products	151	393	89	1,966,967	1,649	16	5,543,755
13	Miscellaneous non-metallic mineral products.....	51	256	88	1,543,920	667	55	2,231,565
14	Totals.....	1,183	5,710	1,696	31,417,495	30,790	1,969	111,805,668
15. Products of petroleum and coal:								
15	Coke and gas products	25	447	165	2,741,542	2,722	—	11,030,756
16	Petroleum products	61	4,338	1,271	29,946,374	8,252	64	36,395,264
17	Miscellaneous products of petroleum and coal....	21	110	55	630,487	258	3	935,501
18	Totals.....	107	4,895	1,491	33,318,403	11,232	67	48,361,521
16. Chemicals and allied products:								
19	Acids, alkalies and salts	48	2,257	694	15,280,533	6,064	68	25,384,039
20	Fertilizers	45	674	156	3,742,449	2,116	12	8,014,668
21	Medicinal and pharmaceutical preparations	212	1,689	1,597	13,900,475	2,291	2,224	12,052,738
22	Paints, varnishes and lacquers	126	1,745	993	11,647,872	3,145	328	11,065,473
23	Primary plastics	25	930	318	5,913,572	1,929	83	7,941,600
24	Soaps, washing compounds and cleaning prepara- tions	142	922	536	6,595,784	1,835	429	7,917,828
25	Toilet preparations	91	390	468	3,224,248	518	912	3,177,830
26	Vegetable oils	12	194	63	1,179,989	407	8	1,403,862
Other chemical industries:								
27	Adhesives	29	134	87	872,555	359	31	1,280,363
28	Coal tar distillation	11	124	30	1,046,763	377	6	1,411,251
29	Gases, compressed	53	476	250	2,569,856	673	—	2,513,138
30	Inks	33	201	110	1,616,861	638	45	2,137,909
31	Polishes and dressings	45	178	184	1,646,300	274	192	1,175,371
32	Miscellaneous chemical products	259	2,957	1,218	19,025,879	6,869	1,413	27,003,441
33	Totals.....	1,131	12,871	6,704	88,263,136	27,495	5,751	112,479,511
17. Miscellaneous industries:								
34	Brooms, brushes and mops	104	299	188	1,833,402	1,095	521	3,563,839
35	Clocks, watches and watch cases	33	156	114	1,176,803	385	464	2,462,141
36	Fountain pens and pencils	18	163	141	1,295,092	235	564	1,747,715
37	Instruments and related products	77	1,407	638	8,970,243	2,599	921	12,897,591
38	Musical instruments	25	126	81	827,633	871	227	3,113,274
39	Ophthalmic goods	33	173	106	1,003,675	504	248	1,833,260
40	Orthopaedic and surgical appliances.....	36	63	41	398,582	112	151	540,779
41	Plastics products	177	643	337	3,937,710	2,167	1,632	9,030,908
42	Sporting goods	95	286	144	1,550,059	941	608	3,889,669
43	Toys and games	67	138	94	977,997	564	945	3,050,379
44	Typewriter supplies	9	80	50	540,753	189	111	719,512
Other miscellaneous industries:								
45	Artificial flowers and feathers	40	54	31	258,765	136	259	627,453
46	Buttons, buckles and fasteners	47	208	125	1,447,353	548	674	2,973,582
47	Candles	15	34	16	273,094	110	72	408,098
48	Hair goods	13	17	10	125,039	66	14	189,050
49	Ice, artificial	52	106	37	487,162	316	2	951,869
50	Lamps, electric and lamp shades	71	149	107	910,299	579	497	2,161,734
51	Models and patterns, excluding paper	75	102	19	583,703	439	8	1,687,132
52	Pipes, lighters and smokers' supplies	13	32	27	198,096	51	64	322,376
53	Signs, electric, neon and other	329	713	202	3,689,009	2,239	170	7,731,326
54	Stamps and stencils, rubber and metal	71	171	84	1,086,473	537	160	1,921,745
55	Statuary, art goods, regalia and novelties	108	137	50	570,596	360	251	1,284,951
56	Umbrellas	9	21	9	124,967	19	89	159,171
57	Miscellaneous industries	39	206	152	1,509,644	741	690	3,304,777
58	Totals.....	1,556	5,484	2,803	33,776,149	15,803	9,342	66,572,331
59	Grand totals, all industries	37,428	216,295	85,002	1,272,025,985	831,336	220,387	3,298,666,205

¹ Includes about 25,000 "Working proprietors".

TABLE 11. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments of the Manufacturing Industries, 1956 — 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.
No.			dollars			
2,816	11,746,942	4,921,814	18,371,516	23,287,988	46,023,192	1
2,249	8,527,505	829,850	15,955,866	18,356,090	34,229,784	2
3,237	13,170,346	15,763,605	12,784,027	50,058,214	78,605,846 ²	3
4,561	15,410,256	6,212,519	1,123,043	30,449,418	37,784,980 ²	4
2,131	7,501,868	994,241	6,223,638	14,165,690	20,950,514	5
10,053	33,732,663	4,687,055	77,315,560	74,468,351	155,369,190	6
8,173	28,331,205	4,853,921	35,480,541	47,333,842	87,168,541	7
1,675	6,276,231	1,445,539	14,647,050	14,936,519	31,272,655	8
1,103	3,865,452	3,670,384	1,235,969	11,555,978	16,462,331 ²	9
819	2,901,691	988,301	2,465,982	10,552,905	14,007,188 ²	10
135	472,797	72,000	366,258	876,157	1,295,656	11
2,147	7,510,722	1,056,659	9,907,459	16,894,801	27,774,555	12
1,066	3,775,485	803,362	10,995,582	9,885,089	21,594,679	13
40,165	143,223,163	46,299,250	206,872,491	322,821,042	572,539,111	14
3,334	13,772,298	7,000,584	66,709,535	39,974,276	113,684,395 ²	15
13,925	66,341,638	43,127,224	766,375,257	444,427,813	1,253,798,979 ²	16
426	1,565,988	232,455	4,742,122	4,897,091	9,742,729	17
17,685	81,679,924	50,360,263	837,826,914	489,299,180	1,377,226,103	18
9,083	40,664,572	17,194,318	85,087,630	96,705,138	193,541,164	19
2,958	11,757,117	2,700,397	43,295,343	37,343,843	83,399,218	20
7,801	25,953,213	924,013	38,009,475	83,300,273	122,592,220	21
6,211	22,713,345	969,925	65,155,888	60,438,750	126,312,114	22
3,260	13,855,172	1,703,084	46,911,807	34,886,821	82,738,552	23
3,722	14,513,612	1,325,218	45,955,138	63,127,847	109,384,798	24
2,288	6,402,078	157,682	16,361,508	25,295,686	41,324,564	25
672	2,583,851	522,748	37,107,511	5,443,602	42,239,497	26
611	2,152,918	412,238	5,423,688	6,456,530	12,329,512	27
537	2,458,014	703,832	8,048,543	4,549,278	13,221,192	28
1,399	5,082,994	698,097	3,451,756	16,827,975	20,972,581	29
994	3,754,770	145,430	6,779,666	9,076,493	15,902,813	30
828	2,821,671	134,893	9,769,357	11,258,814	20,847,347	31
12,457	46,029,320	9,047,062	116,206,917	101,529,704	226,427,832	32
52,821	200,742,647	36,638,937	527,564,227	556,240,754	1,111,233,404	33
2,103	5,397,241	192,233	8,608,934	10,085,259	18,641,759	34
1,119	3,638,944	56,180	7,825,135	7,953,540	15,744,711	35
1,103	3,042,807	82,465	5,554,392	7,154,410	12,487,690	36
5,565	21,867,834	507,292	25,361,290	43,851,464	67,875,442	37
1,305	3,940,907	189,889	4,304,230	7,838,170	12,284,891	38
1,031	2,836,935	89,474	2,714,859	3,511,543	6,152,081	39
367	939,361	31,322	1,014,114	1,599,645	2,737,409	40
4,779	12,968,618	687,587	29,221,782	27,676,435	56,537,054	41
1,979	5,439,728	208,219	6,105,140	9,338,370	15,528,074	42
1,741	4,028,376	206,603	8,298,927	7,328,702	15,444,080	43
430	1,260,265	41,706	2,883,424	2,899,091	5,810,198	44
480	886,218	27,148	1,043,393	1,510,570	2,556,704	45
1,555	4,420,935	140,743	6,005,793	6,603,000	13,129,630	46
232	681,192	50,805	1,245,053	1,626,793	2,789,956	47
107	314,089	9,981	836,406	551,780	1,424,209	48
461	1,439,031	473,131	243,612	2,892,516	3,606,992	49
1,332	3,072,033	107,549	6,037,658	5,341,414	11,433,019	50
568	2,270,835	67,685	908,664	3,323,338	4,276,174	51
174	520,472	22,054	1,492,264	1,420,881	2,716,712	52
3,324	11,420,335	601,222	9,890,036	18,377,732	28,874,077	53
952	3,008,218	86,502	1,921,272	4,357,834	6,336,853	54
798	1,855,547	78,232	1,804,792	2,870,232	4,739,696	55
138	284,138	9,116	609,703	443,399	1,070,853	56
1,789	4,814,421	142,406	4,938,849	9,432,674	14,381,749	57
33,432	100,348,480	4,109,544	138,869,722	187,988,792	326,580,013	58
1,353,020	4,570,692,190	523,940,706	11,721,536,889	9,605,424,579	21,636,748,986	59

² This industry still reports "Value of production at the factory" and not "Selling value of factory shipments".

Table 12 gives the amount and value of each of the principal commodities produced or shipped by the manufacturing industries of Canada. Commodities produced in small quantities

are not included but the list covers approximately 75 p.c. of total production. For a complete list of products, see Appendix II of this report.

TABLE 12. Quantities and Values of the Principal Commodities Produced or Shipped by the Manufacturing Industries of Canada, 1956

Note: Since 1952 the basis of collection is "Value of Factory Shipments" instead of "Gross Value of Products". However, the commodities marked* are still on a production basis.

	Unit of measure	Quantity	Value
			\$
Food:			
Biscuits, all kinds	lb.	252,994,984	71,620,694
Bread	"	1,606,946,000	186,060,605
Butter, factory made	"	307,028,703	177,941,054
Cheese, factory made	"	157,854,958	54,193,588
Coffee and tea blended, roasted and packed	"	121,050,768	128,755,150
Coffee, instant	"	5,094,805	18,487,830
Confectionery, all kinds	"	—	81,225,534
Cream, sold in dairy factories	lb. b.f.	29,210,789	32,921,366
Feed, chopped grain	ton	644,305	36,749,663
Feeds, stock and poultry, prepared	"	2,476,899	197,235,847
Fish, canned and otherwise prepared*	—	—	79,097,200
Flour, wheat	cwt.	39,598,907	166,045,506
Fruits and vegetables, canned	lb.	617,654,626	82,965,441
Fruits and vegetables, frozen	—	—	9,560,893
Ice cream, factory made	gal.	31,631,406	51,592,515
Jams, jellies and marmalades	lb.	112,074,655	21,013,955
Lard	"	101,630,001	15,384,111
Margarine and margarine substitutes	"	124,121,091	29,912,431
Meats, canned, including poultry, pastes, etc.	"	78,115,689	36,814,736
Meats, cooked, including sausage, weiners, etc.	"	280,362,298	99,223,177
Meats, cured and smoked	"	254,454,220	125,150,571
Meats, sold fresh and frozen, including poultry	"	1,471,733,311	478,434,414
Milk, sold in dairy factories	gal.	185,407,088	134,688,373
Milk, evaporated and condensed	lb.	320,273,052	37,508,866
Pickles, relishes and catsup	—	—	24,279,003
Pies, cakes and pastry	—	—	76,534,971
Powders, edible (custard, jelly, milk, etc.)	—	—	40,231,775
Shortening	lb.	163,494,942	37,659,479
Soups, canned (except infants')	"	231,240,402	42,077,767
Sugar, granulated (cane and beet)	"	1,337,215,380	104,338,098
Beverages:¹			
Beer, ale, stout and porter (sales)	gal.	214,978,831	339,473,859
Beverage spirits sold (net sales)	proof gal.	13,733,393	107,076,353
Carbonated beverages	gal.	123,205,120	107,729,748
Wine sold	Imp. gal.	5,036,719	12,986,111
Tobacco and tobacco products:¹			
Cigarettes	M	27,343,996	366,114,213
Cigars	"	260,900	19,723,097
Tobacco, chewing, smoking and snuff	lb.	23,455,973	58,414,898
Tobacco, raw leaf, processed*	"	113,808,805	69,714,069
Textile products, except clothing:			
Bags, cotton and jute	No.	130,570,092	24,492,215
Blankets	—	—	16,075,403
Carpets, mats and rugs	—	—	18,379,910
Cotton fabrics	—	—	130,592,728
Synthetic woven fabrics, all types	yd.	96,055,998	64,302,965
Tire fabrics	lb.	32,407,511	27,391,147
Twine and cordage	—	—	14,264,708
Woven fabrics, wool or containing wool	sq. yd.	31,388,011	48,832,833
Yarns, cotton, rayon, wool, etc. (for sale)	—	—	135,483,794
Clothing:			
Coats and overcoats, cloth, men's and youths'	No.	718,463	20,054,483
Coats, wool, women's and misses'	"	1,372,848	33,744,411
Coats, fur, women's, (factory made)	"	219,438	49,620,697
Short coats (including windbreakers, mackinaws, parkas, leather coats, etc.)	—	—	33,081,699
Dresses, women's and misses'	No.	11,689,266	80,118,947
Footwear, leather	pr.	35,599,652	126,957,858
Footwear, rubber	"	12,158,637	32,666,231
Gloves and mittens, all kinds	doz. pr.	2,051,745	16,691,346
Hats and caps, men's	doz.	756,202	11,437,488
Hats, women's and children's	"	462,340	14,215,255
Hosiery, all kinds	doz. pr.	10,282,598	59,667,333
Shirts, fine, work and sport	doz.	2,753,591	59,565,036
Sport suits, slacks and other sport clothing, n.e.s.	—	—	19,695,820
Suits, men's and youths', fine,woollen	No.	1,433,665	51,823,294
Underwear	—	—	57,792,957
Wood products:			
Boxes, wooden	—	—	13,891,784
Lumber planed	M ft. b. m.	1,559,859	119,653,854
Lumber sawn*	" "	7,744,731	539,652,385
Pulp, wood, made for sale	ton	1,996,820	252,928,660
Sash, doors and other mill work	—	—	75,278,018

¹ Includes excise taxes on prime cost of Spirits and Tobacco.

TABLE 12. Quantities and Values of the Principal Commodities Produced or Shipped by the Manufacturing Industries of Canada, 1956 — Concluded

	Unit of measure	Quantity	Value
			\$
Paper products:			
Bags, paper	—	—	52,237,959
Boxes, paper	—	—	180,212,711
Paper boards, all types	ton	1,173,087	147,967,340
Paper, book and writing	—	341,580	86,524,107
Paper, newsprint	—	6,445,110	735,644,049
Paper, wrapping	—	288,146	61,098,013
Printing, publishing and allied industries:			
Books and catalogues, printed and bound	—	—	37,047,202
Other advertising matter, printed	—	—	56,619,521
Periodicals printed for publishers	—	—	28,465,606
Periodicals printed by publishers:			
Subscriptions and sales	—	—	64,308,976
Gross revenue from advertising	—	—	196,530,328
Sheet forms, commercial, legal, etc., printed	—	—	53,418,665
Iron and steel products:			
Bars, iron and steel, hot rolled (sold)	ton	795,675	112,281,656
Boilers, heating and power	—	—	27,553,938
Castings, grey iron, made for sale	—	—	49,435,436
Farm implements and parts*	—	—	117,656,000
Forgings, steel and other	—	—	35,434,402
Hardware, builders, pole line and other	—	—	46,710,000
Machinery, industrial, household, office and store, and parts	—	—	686,317,000
Pig iron (sold)	ton	649,213	34,501,520
Pipes, tubing and fittings, iron and steel	—	—	162,928,000
Rolled iron and steel forms, semi-finished, sold	net ton	236,969	20,573,136
Sheets, bars and other cold-rolled products, sold	" "	935,237	160,544,319
Steel ingots and castings, sold	" "	164,288	55,326,132
Steel shapes erected, buildings, bridges, etc.*	" "	453,554	156,717,484
Steel shapes, structural, made in primary mills	" "	315,564	36,361,986
Stoves, coal, wood, electric and gas	—	—	55,084,914
Tools and implements, hand, all kinds and parts	—	—	34,972,392
Wire, wire rope and cable, steel	—	—	57,669,155
Transportation equipment:			
Aircraft, completed in year*	—	—	94,625,746
Automobiles, commercial	No.	93,157	184,280,298
Automobiles, passenger	" "	374,312	646,523,642
Automobile parts and accessories, including tires	—	—	575,205,000
Buses	No.	395	5,944,401
Cars, railway, complete, freight and passenger*	" "	9,221	70,980,820
Locomotives, diesel-electric, new*	" "	446	74,068,418
Ships and ship repairs*	—	—	156,897,005
Non-ferrous metal products:			
Jewelry	—	—	20,780,000
Kitchenware, aluminum	—	—	6,263,153
Silverware	—	—	9,333,256
Smelter and refinery products*	—	—	1,396,565,178
Electrical apparatus and supplies:			
Batteries, electric, storage	—	—	27,279,194
Radio receiving sets, complete	No.	740,656	23,877,863
Refrigerators, household, mechanical	" "	269,213	47,443,340
Television sets	" "	613,895	94,506,905
Wires and cables, electric	—	—	186,518,927
Non-metallic mineral products:			
Abrasives, artificial	ton	262,298	28,066,931
Coke, gas-house*	" "	4,331,216	65,377,694
Concrete, ready-mixed	—	—	75,906,944
Gas, manufactured and natural, sold*	M cu. ft.	163,763,992	85,335,789
Glass, pressed and blown (bottles, sealers, ovenware etc.)	—	—	47,970,245
Chemicals and allied products:			
Calcium and sodium compounds	—	—	43,639,012
Fertilizers, mixed	ton	703,200	34,408,000
Medicinal and pharmaceutical preparations	—	—	110,002,000
Paints, enamels, and varnishes	—	—	119,355,000
Synthetic resins	—	—	50,530,000
Soaps and synthetic detergents	lb.	309,731,000	77,098,000
Toilet preparations	—	—	53,817,616
Miscellaneous:			
Bags, hand and hand luggage	—	—	16,166,404
Brooms and household brushes	doz.	1,052,555	5,662,487
Cans, metal, for food	—	—	63,040,021
Furniture, wood and metal, including beds and couches	—	—	222,667,402
Gasoline*	Imp. gal.	3,063,284,112	561,464,291
Leather, shoe	—	—	38,209,178
Mattresses	—	—	23,485,434
Mops, floor	—	—	3,491,570
Oil, fuel	Imp. gal.	4,106,877,321	517,238,643
Pianos, organs and parts	—	—	5,109,989
Scientific and professional equipment	—	—	57,869,579
Sporting goods	—	—	17,271,529
Springs, bed and other furniture	—	—	13,304,760
Toys and games	—	—	23,402,739

Subsection 2. Manufactures Classified on the Chief Component Material Classification Basis

For the most purposes a classification of manufacturing industries based upon "chief component materials" has, in the past, proved most useful in Canadian industrial classification. For this reason the Bureau's classification based upon this concept has been the one most widely used for general purposes such as the Decennial Census, Vital Statistics, foreign Trade, etc. Even for these purposes some modification has been deemed expedient, such as the inclusion of a group "Textile Products", composed partly of animal and partly of vegetable products.

When the industry of a country is primarily concerned with the early stages in the processing of primary materials, i.e., when its final products are chiefly such items as pig iron, lumber and processed fish, a classification based upon chief component material is wholly applicable. As manufacturing industry develops, however, turning out more and more goods

for final consumption, the combination of ingredients in such output becomes more and more complex. The modern automotive, aircraft, shipbuilding, and electrical apparatus industries are examples in which a wide variety of materials must be assembled for the completion of the final product.

In recent years Canada's industrial system has undergone considerable development. Consequently in establishing the Standard Industrial Classification, the concept of "purpose" has been combined with that of "chief component material" in the framework of the classification of manufacturing industries. For the classification of consumers' goods industries the concept of "purpose" seems most applicable both in terms of common usage in referring to industries and in providing the type of data most often required. Hence, such major groups as Foods and Beverages, Clothing, Transportation Equipment, Electrical Apparatus and Supplies, have been established.

TABLE 13. Principal Statistics of the Manufacturing Industries, Classified on the Chief Component Material Classification Basis, by Main Groups, Significant Years, 1917-1956

Industrial group and year	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Gross value of products
	number			dollars		
1917						
Vegetable products	4,151	62,791	45,916,557	367,214,061	183,782,501	550,996,562
Animal products	5,486	46,994	35,753,133	320,302,039	124,103,990	444,406,029
Textiles and textile products	1,033	76,315	47,386,592	131,071,158	109,227,157	240,298,315
Wood and paper products	7,258	153,701	115,198,434	150,122,143	249,201,596	399,323,739
Iron and its products	1,495	161,745	161,875,426	378,193,116	371,792,489	749,985,605
Non-ferrous metal products	296	18,220	15,898,890	46,445,469	41,039,351	87,484,820
Non-metallic mineral products	1,075	20,781	18,224,724	36,994,392	58,092,396	95,086,788
Chemicals and allied products	539	56,153	51,505,484	99,068,092	131,381,995	230,450,087
Miscellaneous industries	512	9,823	6,042,604	10,268,341	12,510,505	22,778,846
Totals	21,845	606,523	497,801,844	1,539,678,811	1,281,131,980	2,820,810,791
1920						
Vegetable products	4,549	74,241	77,750,189	536,828,044	239,328,371	776,156,415
Animal products	4,823	48,687	54,291,606	400,496,354	152,995,130	553,491,484
Textiles and textile products	1,304	87,730	84,433,609	256,233,300	173,741,035	429,974,335
Wood and paper products	7,881	144,391	172,368,578	309,813,724	417,256,115	727,069,839
Iron and its products	1,789	164,087	231,595,911	377,499,134	411,875,057	789,374,191
Non-ferrous metal products	324	23,162	27,895,343	48,434,120	52,847,178	101,281,298
Non-metallic mineral products	846	25,500	32,351,764	69,856,558	80,205,472	150,062,030
Chemicals and allied products	464	17,653	22,193,421	62,644,608	65,183,212	127,827,820
Miscellaneous industries	552	13,442	14,613,455	23,465,807	27,841,778	51,307,585
Totals	22,532	598,893	717,493,876	2,085,271,649	1,621,273,348	3,706,544,997
1929						
Vegetable products	5,350	91,032	95,853,121	431,595,751	341,688,938	783,706,883
Animal products	4,490	67,670	62,081,423	345,351,882	127,929,857	477,761,855
Textiles and textile products	1,534	103,881	94,969,433	217,954,088	180,469,064	403,205,809
Wood and paper products	7,392	164,572	192,088,948	313,797,201	381,485,477	724,972,308
Iron and its products	1,224	142,772	203,740,658	405,818,468	367,465,582	790,726,338
Non-ferrous metal products	408	39,867	54,501,806	124,900,632	150,415,215	283,545,666
Non-metallic mineral products	843	29,257	38,958,390	112,573,103	99,065,847	229,774,300
Chemicals and allied products	554	16,694	22,639,449	55,184,337	78,785,911	138,545,221
Miscellaneous industries	421	10,786	12,457,989	22,495,351	28,081,046	51,207,736
Totals	22,216	666,531	777,291,217	2,029,670,813	1,755,386,937	3,883,446,116
1933						
Vegetable products	5,916	75,416	68,535,349	226,879,373	196,820,952	432,315,617
Animal products	4,496	53,111	46,453,188	179,429,948	87,629,444	271,068,210
Textiles and textile products	1,740	95,707	72,813,424	143,184,861	131,065,992	279,475,267
Wood and paper products	7,891	105,080	102,218,652	134,663,641	184,233,540	341,336,701
Iron and its products	1,334	73,348	72,296,179	98,793,191	109,198,169	216,828,992
Non-ferrous metal products	478	25,273	28,099,026	71,990,608	88,427,984	164,765,604
Non-metallic mineral products	770	16,975	19,282,401	69,077,701	52,817,078	131,325,706
Chemicals and allied products	696	15,397	18,738,629	34,271,854	55,394,284	92,820,761
Miscellaneous industries	459	8,351	7,810,976	9,497,751	14,083,738	24,138,927
Totals	23,780	468,658	436,247,824	967,788,928	919,671,181	1,954,075,785

TABLE 13. Principal Statistics of the Manufacturing Industries, Classified on the Chief Component Material Classification Basis, by Main Groups, Significant Years, 1917-1956 - Concluded

Industrial group and year	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Gross value of products
	number			dollars		
1939						
Vegetable products	5,872	99,447	104,248,785	356,726,153	292,129,840	659,624,014
Animal products	4,362	69,358	68,231,871	333,647,306	122,821,410	461,983,252
Textiles and textile products	1,930	121,022	107,117,035	203,618,197	181,927,898	392,657,759
Wood and paper products	8,538	144,782	165,287,455	246,292,820	303,662,441	579,892,183
Iron and its products	1,394	121,041	158,559,728	262,292,781	275,774,796	553,468,880
Non-ferrous metal products	526	44,563	59,684,858	242,063,177	155,808,806	416,060,459
Non-metallic mineral products	809	23,026	30,067,334	107,979,292	85,511,631	208,166,781
Chemicals and allied products	808	22,595	31,567,558	65,230,839	89,046,832	159,536,984
Miscellaneous industries	566	12,280	13,045,929	18,308,810	24,368,247	43,393,206
Totals	24,805	658,114	737,811,153	1,836,159,375	1,531,051,901	3,474,783,528
1944						
Vegetable products	5,941	130,679	183,943,948	763,606,750	485,551,491	1,270,518,297
Animal products	4,388	94,195	129,215,389	835,586,247	246,064,720	1,092,015,647
Textiles and textile products	2,481	153,122	195,805,681	419,988,642	351,186,488	781,771,688
Wood and paper products	10,452	189,674	284,436,559	497,656,158	550,826,986	1,093,725,822
Iron and its products	2,192	411,944	818,452,454	1,104,083,922	1,390,703,087	2,540,992,974
Non-ferrous metal products	635	104,314	182,909,292	549,317,062	399,498,519	992,345,975
Non-metallic mineral products	743	31,590	56,130,338	234,714,319	152,525,053	410,268,879
Chemical and allied products	981	81,822	137,422,977	360,412,749	355,260,598	733,569,232
Miscellaneous industries	665	25,542	41,304,732	66,967,507	84,159,068	152,484,005
Totals	28,483	1,222,882	2,029,621,370	4,832,333,356	4,015,776,010	9,073,692,519
1949						
Vegetable products	5,903	143,032	285,536,723	1,236,409,496	754,329,727	2,020,565,833
Animal products	4,231	102,657	197,189,519	1,158,872,220	369,545,771	1,543,930,584
Textiles and textile products	3,234	186,328	342,930,642	669,108,586	606,402,697	1,290,314,474
Wood and paper products	15,866	262,835	579,896,808	1,061,229,176	1,184,539,519	2,325,304,849
Iron and its products	2,658	265,474	678,924,105	1,197,956,715	1,219,303,992	2,468,376,349
Non-ferrous metal products	897	100,614	251,869,627	749,678,627	558,457,028	1,353,329,383
Non-metallic mineral products	1,097	42,691	104,377,854	469,437,193	261,691,705	780,188,518
Chemicals and allied products	1,022	40,499	98,568,559	238,377,149	279,038,860	536,156,674
Miscellaneous industries	884	27,077	52,596,820	62,161,902	97,247,135	161,426,636
Totals	35,792	1,171,207	2,591,890,657	6,843,231,064	5,330,566,434	12,479,593,300
1954¹						
Vegetable products	5,825	145,842	400,492,625	1,459,144,653	1,067,282,575	2,563,927,081
Animal products	3,689	100,352	259,157,349	1,310,727,221	480,458,187	1,813,185,823
Textiles and textile products	3,407	169,465	391,920,356	723,169,806	632,435,702	1,378,303,384
Wood and paper products	17,198	287,317	881,030,481	1,561,744,936	1,763,010,994	3,430,311,344
Iron and its products	3,166	304,728	1,078,530,027	1,808,728,716	1,777,079,766	3,631,360,402
Non-ferrous metal products	1,030	125,569	440,700,922	1,114,549,500	949,893,993	2,127,716,961
Non-metallic mineral products	1,264	52,788	184,530,804	770,531,901	615,324,067	1,456,119,348
Chemicals and allied products	1,104	50,935	174,849,466	391,963,368	467,919,639	882,604,171
Miscellaneous industries	1,345	30,970	85,475,661	101,297,453	148,719,214	250,998,990
Totals	38,028	1,267,966	3,896,687,691	9,241,857,554	7,902,124,137	17,554,527,504
1956¹						
Vegetable products	5,947	151,772	453,174,210	1,619,799,848	1,216,615,214	2,861,852,540
Animal products	3,427	101,851	286,213,670	1,367,009,813	527,614,028	1,907,739,674
Textiles and textile products	3,238	176,882	439,759,775	873,492,379	715,261,988	1,598,529,035
Wood and paper products	16,480	304,246	1,024,834,795	1,908,756,169	2,025,815,009	4,044,274,969
Iron and its products	3,330	335,578	1,312,720,926	2,592,078,167	2,324,499,201	4,928,087,306
Non-ferrous metal products	1,054	139,367	530,892,540	1,687,211,076	1,245,264,753	2,952,350,337
Non-metallic mineral products	1,290	57,850	224,903,087	1,044,699,405	812,120,222	1,949,765,214
Chemicals and allied products	1,119	52,149	198,158,796	490,456,716	550,797,152	1,068,993,907
Miscellaneous industries	1,543	33,325	100,034,391	138,033,316	187,437,012	325,155,804
Totals	37,428	1,353,020	4,570,692,190	11,721,536,889	9,605,424,579	21,636,748,986

¹ In 1952 the basis of collection was changed from "Value of products made" to "Value of factory shipments".

Subsection 3. Manufactures Classified by Origin of Materials

The distinction made between farm materials of Canadian and foreign origin is based on whether the materials are indigenous to Canada rather than on their actual source. Thus, the industries included in the foreign origin classes are those depending upon materials that cannot be grown in Canada, such as tea, coffee, spices, cane sugar, rice, rubber, cotton, etc. Industries included in the Canadian origin classes may, however, be using large quantities of imported materials.

The mineral origin group includes, in addition to non-ferrous metals so largely produced in Canada, the manufactures of iron and steel, or petroleum, and of other mineral substances, the raw materials for which are very largely imported. Products of mineral origin, with the exception of fuels, are nearly all durable goods. A high standard of living and advanced indus-

trial organization is usually indicated by relatively large production and consumption of mineral products. During periods of depression when the production of capital goods is curtailed, employment in the industries of the farm group, which produce mainly consumer goods, exceeds that of the mineral group. The industries of the mineral group in 1943, at the maximum of the war effort, had by far the greatest capital investment, employed the largest number of persons, and paid out the highest amount in salaries and wages. In 1943 the average capital per employee amounted to \$5,441 for the mineral group as compared with \$4,417 for the farm origin group. The mineral group also pays the highest wages. In 1956 the average salary and wage was \$3,883 for the mineral group and \$2,849 for the farm origin group.

TABLE 14. Principal Statistics of the Manufacturing Industries, Classified According to Origin of Material Used, by Main Groups, Significant Years 1924 - 56

Year and origin	Estab- lishments	Capital	Em- ployees	Salaries and wages	Cost at plant of materials used	Gross value of products
	No.	\$	No.	\$	\$	\$
1924						
Farm origin	8, 663	772, 791, 471	152, 488	153, 213, 763	716, 047, 892	1, 099, 279, 665
Mineral origin	2, 806	1, 010, 517, 944	136, 837	171, 068, 497	349, 800, 585	700, 002, 097
Forest origin	6, 373	876, 149, 932	126, 907	147, 719, 245	245, 183, 429	544, 282, 597
Marine origin	836	20, 304, 785	11, 157	3, 344, 348	16, 089, 332	26, 637, 962
Wild life origin	226	10, 837, 249	2, 944	3, 194, 213	7, 506, 169	13, 386, 266
Mixed origin	1, 305	204, 716, 127	57, 277	55, 927, 609	101, 563, 384	200, 718, 177
Grand totals	20, 709	2, 895, 317, 508	487, 610	534, 467, 675	1, 436, 190, 791¹	2, 584, 306, 764¹
Farm origin group:						
From field crop	4, 595	525, 717, 571	89, 436	87, 789, 237	433, 443, 376	691, 513, 259
From animal husbandry	4, 068	247, 073, 900	63, 052	65, 424, 526	282, 604, 516	407, 766, 406
Totals, farm origin	8, 663	772, 791, 471	152, 488	153, 213, 763	716, 047, 892	1, 099, 279, 665
Canadian origin	8, 379	546, 231, 949	114, 514	119, 217, 657	553, 357, 883	848, 236, 237
Foreign origin	284	226, 559, 522	37, 974	33, 996, 106	162, 690, 009	251, 043, 428
1929						
Farm origin	9, 041	969, 384, 866	181, 682	188, 306, 755	852, 606, 083	1, 396, 769, 569
Mineral origin	3, 219	1, 550, 662, 908	218, 879	304, 027, 803	678, 683, 203	1, 392, 499, 868
Forest origin	7, 353	1, 148, 558, 242	163, 863	191, 044, 307	313, 088, 964	722, 269, 066
Marine origin	730	28, 644, 442	16, 367	5, 411, 855	21, 496, 859	34, 966, 260
Wild life origin	234	14, 338, 686	3, 767	4, 783, 323	12, 847, 817	20, 861, 039
Mixed origin	1, 639	293, 302, 865	81, 973	83, 717, 174	150, 947, 887	316, 080, 314
Grand totals	22, 216	4, 004, 892, 009	666, 531	777, 291, 217	2, 029, 670, 813	3, 883, 446, 116
Farm origin group:						
From field crops	5, 191	697, 206, 163	114, 236	115, 201, 292	496, 842, 580	889, 075, 246
From animal husbandry	3, 850	272, 178, 703	67, 446	73, 105, 463	355, 763, 503	507, 694, 323
Totals, farm origin	9, 041	969, 384, 866	181, 682	188, 306, 755	852, 606, 083	1, 396, 769, 569
Canadian origin	8, 743	708, 461, 549	134, 680	140, 340, 993	682, 056, 026	1, 106, 006, 184
Foreign origin	298	260, 923, 317	47, 002	47, 965, 762	170, 550, 057	290, 763, 385
1933						
Farm origin	9, 695	844, 582, 058	158, 602	137, 711, 749	454, 882, 704	791, 956, 470
Mineral origin	3, 539	1, 306, 641, 651	130, 565	138, 101, 092	271, 434, 337	601, 428, 003
Forest origin	7, 796	882, 445, 602	102, 807	99, 046, 012	133, 550, 374	335, 886, 257
Marine origin	620	15, 532, 775	4, 064	2, 287, 385	10, 960, 289	17, 380, 323
Wild life origin	335	10, 507, 157	3, 498	3, 481, 885	7, 159, 079	13, 000, 927
Mixed origin	1, 795	219, 550, 595	69, 122	55, 619, 701	89, 802, 145	194, 423, 805
Grand totals	23, 780	3, 279, 259, 838	468, 658	436, 247, 824	967, 788, 928	1, 954, 075, 785
Farm origin group:						
From field crops	5, 746	609, 044, 529	93, 433	81, 655, 182	263, 007, 043	494, 048, 930
From animal husbandry	3, 949	235, 537, 529	65, 169	56, 056, 567	191, 875, 661	297, 907, 540
Totals, farm origin	9, 695	844, 582, 058	158, 602	137, 711, 749	454, 882, 704	791, 956, 470
Canadian origin	9, 373	629, 450, 643	124, 547	107, 807, 386	365, 559, 776	620, 197, 449
Foreign origin	322	215, 131, 415	34, 055	29, 904, 363	89, 322, 928	171, 759, 021
1939						
Farm origin	10, 203	952, 929, 892	220, 210	217, 724, 965	778, 250, 125	1, 289, 993, 021
Mineral origin	3, 474	1, 498, 265, 618	120, 752	280, 054, 303	669, 728, 573	1, 321, 444, 094
Forest origin	8, 430	951, 016, 933	142, 091	160, 798, 500	244, 944, 997	572, 335, 960
Marine origin	523	21, 479, 200	5, 369	3, 638, 794	18, 114, 698	28, 816, 536
Wild life origin	384	14, 723, 743	4, 604	5, 396, 623	11, 592, 066	19, 961, 526
Mixed origin	1, 791	208, 609, 063	75, 088	70, 197, 968	113, 528, 916	242, 232, 391
Grand totals	24, 805	3, 647, 024, 449	658, 114	737, 811, 153	1, 836, 159, 375	3, 474, 783, 528
Farm origin group:						
From field crops	6, 096	649, 746, 486	124, 708	126, 311, 033	410, 994, 461	759, 964, 866
From animal husbandry	4, 107	303, 183, 406	95, 502	91, 413, 932	367, 255, 664	530, 028, 155
Totals, farm origin	10, 203	952, 929, 892	220, 210	217, 724, 965	778, 250, 125	1, 289, 993, 021
Canadian origin	9, 382	699, 345, 423	171, 460	168, 260, 771	630, 779, 223	1, 011, 294, 132
Foreign origin	821	253, 584, 469	48, 750	49, 464, 194	147, 470, 902	278, 698, 889

¹ See footnote at end of table.

TABLE 14. Principal Statistics of the Manufacturing Industries, Classified According to Origin of Material Used, by Main Groups, Significant Years 1924-56 — Concluded

Year and origin	Estab- lishments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Gross value of products
	number			dollars		
1944						
Farm origin	10,329	287,756	394,716,309	1,781,014,374	870,995,104	2,688,731,415
Mineral origin	4,479	634,542	1,208,779,764	2,258,796,792	2,312,260,844	4,708,104,244
Forest origin	10,347	186,680	278,171,969	495,531,476	541,521,976	1,082,160,284
Marine origin	535	9,664	10,327,695	45,906,542	22,066,801	68,882,879
Wild life origin	535	6,190	9,430,191	28,076,572	15,728,926	43,985,177
Mixed origin	2,258	98,050	128,195,442	223,007,600	253,202,359	481,828,520
Grand totals	28,483	1,222,882	2,029,621,370	4,832,333,356	4,015,776,010	9,073,692,519
Farm origin group:						
From field crops	6,307	164,514	226,751,705	888,435,918	563,349,320	1,477,008,962
From animal husbandry	4,022	123,242	167,964,604	892,578,456	307,645,784	1,211,722,453
Totals, farm origin	10,329	287,756	394,716,309	1,781,014,374	870,995,104	2,688,731,415
Canadian origin	9,493	225,077	303,293,749	1,507,501,822	668,958,344	2,202,655,904
Foreign origin	836	62,679	91,422,560	273,512,552	202,036,760	486,075,511
1949						
Farm origin	10,023	312,573	608,297,050	2,664,102,189	1,327,990,992	4,042,745,891
Mineral origin	5,936	453,960	1,147,317,944	2,652,681,878	2,315,722,610	5,133,084,333
Forest origin	15,467	255,671	562,316,999	1,051,100,174	1,158,202,397	2,288,386,108
Marine origin	599	11,856	16,969,825	69,090,041	41,140,022	111,961,148
Wild life origin	663	8,370	18,008,212	38,475,825	28,844,758	67,646,428
Mixed origin	3,104	128,777	238,980,627	367,830,957	458,665,655	835,769,392
Grand totals	35,792	1,171,207	2,591,890,657	6,843,231,064	5,330,566,434	12,479,593,300
Farm origin group:						
From field crops	6,165	175,715	348,944,897	1,414,938,794	863,950,508	2,313,027,879
From animal husbandry	3,858	136,858	259,352,153	1,249,163,395	464,040,484	1,729,718,012
Totals, farm origin	10,023	312,573	608,297,050	2,664,102,189	1,327,990,992	4,042,745,891
Canadian origin	9,204	247,762	473,274,682	2,289,435,804	1,041,245,310	3,369,356,461
Foreign origin	819	64,811	135,022,368	374,666,385	286,745,682	673,389,430
1954²						
Farm origin	9,542	301,661	791,390,838	3,010,857,496	1,735,120,378	4,812,467,809
Mineral origin	6,854	539,830	1,902,255,686	4,083,393,939	3,808,242,171	8,113,391,979
Forest origin	16,823	280,573	857,047,039	1,547,843,710	1,727,150,805	3,380,340,406
Marine origin	586	14,202	26,001,277	95,632,683	55,219,381	153,456,535
Wild life origin	598	6,431	17,348,494	37,022,130	26,595,921	64,099,781
Mixed origin	3,625	125,269	302,644,357	467,107,596	549,795,481	1,030,770,994
Grand totals	38,028	1,267,966	3,896,687,691	9,241,857,554	7,902,124,137	17,554,527,504
Farm origin group:						
From field crops	6,135	173,171	468,666,325	1,631,251,171	1,170,756,138	2,845,128,473
From animal husbandry	3,407	128,490	322,724,513	1,379,606,325	564,364,240	1,967,339,336
Totals, farm origin	9,542	301,661	791,390,838	3,010,857,496	1,735,120,378	4,812,467,809
Canadian origin	8,612	242,239	624,181,936	2,617,517,447	1,377,694,249	4,041,115,667
Foreign origin	930	59,422	167,208,902	393,340,049	357,426,129	771,352,142
1956²						
Farm origin	9,520	314,308	895,469,715	3,288,193,503	1,960,806,742	5,299,072,621
Mineral origin	6,935	583,624	2,266,287,160	5,784,205,804	4,876,289,838	10,812,027,611
Forest origin	16,105	297,041	997,349,531	1,890,422,750	1,983,657,466	3,983,622,020
Marine origin	489	14,348	27,621,174	104,484,253	73,064,792	169,936,169
Wild life origin	538	5,703	17,421,903	40,102,758	26,982,782	67,367,781
Mixed origin	3,841	137,996	366,542,707	614,127,821	684,622,959	1,304,722,784
Grand totals	37,428	1,353,020	4,570,692,190	11,721,536,889	9,605,424,579	21,636,748,986
Farm origin group:						
From field crops	6,265	181,579	532,955,678	1,826,443,433	1,341,554,828	3,198,507,817
From animal husbandry	3,255	132,729	362,514,037	1,461,750,070	619,251,914	2,100,564,804
Totals, farm origin	9,520	314,308	895,469,715	3,288,193,503	1,960,806,742	5,299,072,621
Canadian origin	8,565	250,314	698,613,546	2,784,993,918	1,527,873,168	4,358,802,872
Foreign origin	955	63,994	196,856,169	503,199,585	432,933,574	940,269,749

¹ For the year 1924 the figures for "Cost of Materials" and "Gross Value of Products" include the value placed on intermediate products used in further processes in the chemical group of industries. For this reason these figures differ slightly from those contained in the other tables of this report.

² In 1952 the basis of collection was changed from "Value of Products Made" to "Selling value of Factory Shipments".

Subsection 4. Manufactures Classified by Type of Ownership

The present report deals with the type of ownership under which Canadian manufacturers operate. The first survey in 1946 did not include the fish-curing and packing industry, information for which was not available at that time. For this reason the figures for 1946 are not strictly comparable with those for succeeding years, although the inclusion of that industry has not materially altered the percentage distribution of individual ownership, incorporated companies, etc.

Of the 37,428 establishments operating in 1956, 1,691 establishments in the periodical publishing industry were unclassifiable, leaving 35,737 establishments in the four

categories of ownership. Individual ownership numbered 14,788 establishments, partnerships 4,550, incorporated companies 15,497 and co-operatives 902. The percentage distribution of the four categories of ownership are given below for the years 1946 to 1956. It is interesting to note that incorporated companies are becoming increasingly important, the percentage of the total number of establishments having risen from 33.4 in 1946 to 43.4 in 1956, while the other three categories declined in importance. This trend to incorporation is no doubt accentuated by the favourable income tax rate allowed companies on the first \$20,000 of income.

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

As is to be expected, the smaller establishments, regardless of the type of products manufactured, are carried on under individual ownership. Industries conducted on a small scale

contain therefore a large number of establishments in this category, the percentage decreasing as the scale of operations increases, as the following statement shows.

No.	Group	Average number of employees per establishment	Percentage of individual ownership establishments to total
1	Wood products.....	12.2	59.0
2	Printing, publishing and allied industries	15.8	42.6
3	Miscellaneous manufacturing industries	21.5	36.1
4	Foods and beverages	22.8	45.1
5	Non-metallic mineral products	34.0	30.4
6	Clothing	35.6	26.6
7	Chemicals and allied products	46.7	15.6
8	Leather products	48.6	27.4
9	Iron and steel products	66.5	23.9
10	Textile mills	73.4	30.3
11	Knitting mills	76.6	14.7
12	Non-ferrous metal products	96.5	23.4
13	Paper products	165.0	8.1
14	Products of petroleum and coal	165.3	2.8
15	Electrical apparatus and supplies	176.1	8.0
16	Tobacco products	188.5	29.4
17	Transportation equipment	239.0	26.1
18	Rubber products	254.2	12.1
	All groups	37.7	41.4

It is therefore found, according to the above, that in the wood products group 59 p.c. of the establishments were under individual ownership. The foods and beverages group had 45 p.c. of its establishments in this classification, followed by the printing, publishing and allied trades with 43 p.c., miscellaneous industries 36 p.c., non-metallic mineral products 30 p.c., textile mills 30 p.c., tobacco and tobacco products 29 p.c., leather products, 27 p.c., clothing 27 p.c., transportation 26 p.c. etc. The petroleum and coal products group with only 2.8 of the total had the smallest number of establishments operating under individual ownership.

The establishments operating under individual ownership are not as important, from the point of view of employment provided, as their large numbers would indicate. According to tables 1 and 2, these establishments which comprise 41 p.c. of the total have only 5 p.c. of the total employees. Partnerships accounted for 13 p.c. of the number of establishments and

3 p.c. of the total employees. Incorporated companies with 43 p.c. of the number of establishments had 92 p.c. of the employees. Cooperatives with 2 p.c. of the establishments had 1 p.c. of the employees.

On the basis of employment provided, incorporated companies are, by a wide margin, the most important factor in the employment field. In the petroleum and coal products group practically 100 p.c. of the employees were reported by such companies, while the rubber, electrical apparatus and supplies, paper and transportation equipment groups had 99 p.c. Companies in the chemicals had 98 p.c., tobacco and tobacco products and non-ferrous metal products 97 p.c., iron and steel products 96 p.c., textile mills and knitting mills 95 p.c., non-metallic mineral products 94 p.c., leather products 91 p.c., miscellaneous industries 88 p.c., printing publishing and allied trades 87 p.c., clothing 85 p.c. and foods and beverages 83 p.c. Companies in the wood products group with 76 reported the lowest percentage of the total employment.

TABLE 15. Percentage Distribution of Establishments in the Manufacturing Industries, Classified by Type of Ownership, by Provinces and Industrial Groups, 1956¹

Province or group	Individual ownership	Partnerships	Incorporated companies	Co-operatives	Total
per cent					
Province					
Newfoundland	49.3	29.0	21.6	0.1	100.0
Prince Edward Island	45.0	18.0	29.6	7.4	100.0
Nova Scotia	50.9	14.2	33.0	1.9	100.0
New Brunswick	53.0	10.4	34.0	2.6	100.0
Quebec	46.5	10.3	39.3	3.9	100.0
Ontario	35.7	12.6	50.0	1.7	100.0
Manitoba	37.4	14.1	46.9	1.6	100.0
Saskatchewan	47.9	15.2	31.0	5.9	100.0
Alberta	44.3	15.4	37.0	3.3	100.0
British Columbia	35.9	14.8	48.3	1.0	100.0
Yukon and Northwest Territories	25.0	8.3	66.7	—	100.0
Canada	41.4	12.7	43.4	2.5	100.0
Industrial group					
Foods and beverages	45.1	10.5	33.7	10.7	100.0
Tobacco and tobacco products	29.4	2.0	64.7	3.9	100.0
Rubber products	12.1	4.4	83.5	—	100.0
Leather products	27.4	10.4	62.2	—	100.0
Textile mills	30.3	10.8	58.7	0.2	100.0
Knitting mills	14.7	8.0	77.3	—	100.0
Clothing	26.6	15.5	57.9	—	100.0
Wood products	59.0	16.7	24.2	0.1	100.0
Paper products	8.1	3.9	88.0	—	100.0
Printing, publishing and allied industries ¹	42.6	14.5	42.4	0.5	100.0
Iron and steel products	23.9	10.6	65.5	—	100.0
Transportation equipment	26.1	9.8	64.1	—	100.0
Non-ferrous metal products	23.4	10.9	65.7	—	100.0
Electrical apparatus and supplies	8.0	2.6	89.4	—	100.0
Non-metallic mineral products	30.4	11.7	57.7	0.2	100.0
Products of petroleum and coal	2.8	—	96.3	0.9	100.0
Chemicals and allied products	15.6	3.8	80.2	0.4	100.0
Miscellaneous manufacturing industries	36.1	12.3	51.4	0.2	100.0

¹ Four main categories of ownership only; the non-classifiable group is not included.**TABLE 16. Percentage Distribution of Employment in the Manufacturing Industries, Classified by Type of Ownership, by Provinces and Industrial Groups, 1956¹**

Province or group	Individual ownership	Partnerships	Incorporated companies	Co-operatives	Total
per cent					
Province					
Newfoundland	6.2	4.8	89.0	—	100.0
Prince Edward Island	17.3	10.1	65.6	7.0	100.0
Nova Scotia	8.5	3.2	87.3	1.0	100.0
New Brunswick	9.1	2.8	86.5	1.6	100.0
Quebec	6.1	2.8	90.3	0.8	100.0
Ontario	3.2	2.1	94.4	0.3	100.0
Manitoba	4.6	3.4	91.1	0.9	100.0
Saskatchewan	9.2	5.0	74.0	11.8	100.0
Alberta	8.0	4.8	84.9	2.3	100.0
British Columbia	4.9	3.2	90.1	1.8	100.0
Yukon and Northwest Territories	13.7	—	86.3	—	100.0
Canada	4.8	2.6	91.8	0.8	100.0
Industrial group					
Foods and beverages	8.8	3.3	83.0	4.9	100.0
Tobacco and tobacco products	0.6	—	97.4	2.0 ²	100.0
Rubber products	0.3	—	99.7	—	100.0
Leather products	5.6	3.4	91.0	—	100.0
Textile mills	2.6	1.7	95.7	—	100.0
Knitting mills	1.8	2.8	95.4	—	100.0
Clothing	7.4	7.6	85.0	—	100.0
Wood products	16.1	7.6	76.0	0.3	100.0
Paper products	0.3	0.2	99.5	—	100.0
Printing, publishing and allied industries ¹	8.0	4.2	87.0	0.8	100.0
Iron and steel products	2.0	1.5	96.5	—	100.0
Transportation equipment	0.4	0.3	99.3	—	100.0
Non-ferrous metal products	1.2	0.9	97.9	—	100.0
Electrical apparatus and supplies	0.2	0.2	99.6	—	100.0
Non-metallic mineral products	3.5	2.4	94.1	—	100.0
Products of petroleum and coal	—	—	100.0	—	100.0
Chemicals and allied products	1.0	0.4	98.2	0.4	100.0
Miscellaneous manufacturing industries	7.3	3.9	88.6	0.2	100.0

¹ Four main categories of ownership only; the non-classifiable group is not included.² Includes partnerships.

TABLE 17. Percentage Distribution of Employment in the Forty Leading Industries, by Type of Ownership, 1936

No.	Industry	Individual ownership	Partnerships	Incorporated companies	Co-operatives	Total
		per cent				
1	Pulp and paper mills	—	—	100.0	—	100.0
2	Non-ferrous metal smelting and refining	—	—	100.0	—	100.0
3	Petroleum products	—	—	100.0 ^{1,3}	—	100.0
4	Motor vehicles	—	—	100.0	—	100.0
5	Slaughtering and meat packing	0.7	1.2	96.2	1.9	100.0
6	Primary iron and steel	—	—	100.0	—	100.0
7	Sawmills	24.5	10.6	64.4	0.5	100.0
8	Butter and cheese	8.5	3.6	64.0	23.9	100.0
9	Miscellaneous electrical apparatus	0.2	0.3	99.5	—	100.0
10	Rubber goods, including footwear	0.3	—	99.7	—	100.0
11	Aircraft and parts	0.1	—	99.9	—	100.0
12	Railway rolling stock	—	—	100.0	—	100.0
13	Miscellaneous food preparations	2.1	0.9	97.0	—	100.0
14	Motor vehicle parts	0.9	0.4	98.7	—	100.0
15	Machinery, industrial	0.9	0.5	98.6	—	100.0
16	Bakeries	24.4	7.2	68.1	0.3	100.0
17	Printing and publishing	4.9	1.9	92.8	0.4	100.0
18	Furniture	11.5	6.5	82.0	—	100.0
19	Sheet metal products	1.8	1.1	97.1	—	100.0
20	Clothing, men's factory	2.6	5.8	91.6	—	100.0
21	Machinery, heavy electrical	0.2 ²	—	99.8	—	100.0
22	Fruit and vegetable preparations	4.2	1.9	90.8	3.1	100.0
23	Telecommunication equipment	0.3	0.1	99.6	—	100.0
24	Brass and copper products	1.5	1.5	97.0	—	100.0
25	Iron castings	1.6	1.0	97.4	—	100.0
26	Sash, door and planing mills	14.5	7.0	78.5 ³	—	100.0
27	Boxes and bags, paper	1.0	1.1	97.9	—	100.0
28	Clothing, women's factory	4.4	5.5	90.1	—	100.0
29	Cotton yarn and cloth	0.1 ²	—	99.9	—	100.0
30	Miscellaneous chemical products	1.5	0.1	98.4	—	100.0
31	Flour mills	1.1	1.9	97.0 ³	—	100.0
32	Feeds, stock and poultry, prepared	16.7	7.5	55.7	20.1	100.0
33	Breweries	—	—	100.0	—	100.0
34	Fabricated and structural steel	—	—	100.0 ²	—	100.0
35	Acids, alkalies and salts	—	—	100.0	—	100.0
36	Fish curing and processing	7.6	1.9	83.4	7.1	100.0
37	Tobacco, cigars and cigarettes	1.2 ²	—	98.8	—	100.0
38	Synthetic silks	—	—	100.0 ¹	—	100.0
39	Wire and wire goods	1.7	2.3	96.0	—	100.0
40	Hardware tools and cutlery	3.0	2.3	94.7	—	100.0

¹ Includes Individual ownership.² Includes Partnerships.³ Includes Co-operatives.

TABLE 18. Principal Statistics of the Manufacturing Industries of Canada and Each Province, Grouped According to the Type of Ownership, 1956

Provinces	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		
Canada:						
Individual ownership	14,788	63,992	129,680,934	11,754,957	286,973,727	517,835,002
Partnerships	4,550	35,738	81,934,965	5,687,226	174,888,139	313,965,619
Incorporated companies	15,497	1,236,550	4,317,716,007	502,039,587	11,026,183,492	20,475,152,128
Co-operatives	902	10,754	27,678,822	4,458,936	203,503,600	264,786,231
Not classifiable ¹	1,691	5,986	13,681,462	—	29,987,931	65,010,006
Totals	37,428	1,353,020	4,570,692,190	523,940,706	11,721,536,889	21,636,748,986
Newfoundland:						
Individual ownership	379	647	726,869	73,730	1,013,970	2,288,816
Partnerships	222	506	383,001	35,622	628,637	1,316,336
Incorporated companies	166	9,321	29,320,835	6,868,062	53,699,516	119,850,818
Co-operatives	1	28	32,030	—	109,833	235,374
Not classifiable ¹	15	—	—	—	—	—
Totals	783	10,502	30,462,735	6,977,414	55,451,956	123,691,344
Prince Edward Island:						
Individual ownership	85	307	409,279	45,967	1,632,959	2,375,520
Partnerships	34	180	257,656	34,491	700,268	1,172,095
Incorporated companies	56	1,164	2,393,375	298,991	13,209,362	18,115,649
Co-operatives	14	123	173,044	21,979	2,256,895	2,825,522
Not classifiable ¹	3	1	50	—	7,358	8,459
Totals	192	1,775	3,233,404	401,428	17,806,842	24,497,245

¹ Consists of the industry "Publishing (only) of Periodicals".

TABLE 18. Principal Statistics of the Manufacturing Industries of Canada and Each Province, Grouped According to the Type of Ownership, 1956 — Concluded

Provinces	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		
Nova Scotia:						
Individual ownership	680	2,625	4,067,736	415,778	10,903,643	18,555,712
Partnerships	190	973	1,472,798	150,043	4,425,213	7,075,581
Incorporated companies	442	26,906	77,943,262	12,717,774	196,652,639	355,008,411
Co-operatives	25	323	415,772	62,726	2,572,419	3,415,381
Not classifiable ¹	65	110	48,942	—	225,155	343,018
Totals	1,402	30,937	83,948,510	13,346,321	214,779,069	384,398,103
New Brunswick:						
Individual ownership	519	2,052	3,010,604	369,310	9,488,532	15,162,799
Partnerships	102	629	985,974	80,369	2,089,922	3,773,704
Incorporated companies	333	19,480	56,389,468	13,683,005	157,647,283	285,402,284
Co-operatives	25	359	625,256	117,975	7,023,134	8,621,411
Not classifiable ¹	25	40	51,999	—	191,435	320,401
Totals	1,004	22,560	61,063,301	14,250,659	176,440,306	313,280,599
Quebec:						
Individual ownership	5,400	26,857	51,928,250	4,524,998	126,524,059	221,076,529
Partnerships	1,195	12,593	28,421,668	1,719,599	61,719,564	109,530,755
Incorporated companies	4,570	400,248	1,300,893,400	173,656,657	3,326,836,274	6,164,317,067
Co-operatives	454	3,508	7,161,204	1,149,101	75,457,695	92,639,318
Not classifiable ¹	493	2,931	8,010,042	—	14,984,074	34,939,030
Totals	12,112	446,137	1,396,414,564	181,050,355	3,605,521,666	6,622,502,699
Ontario:						
Individual ownership	4,487	20,266	46,149,367	4,082,845	97,675,615	176,857,622
Partnerships	1,579	13,629	34,368,842	2,283,905	77,134,020	134,638,996
Incorporated companies	6,289	603,316	2,220,812,397	222,085,177	5,459,596,546	10,273,015,644
Co-operatives	212	1,901	5,147,517	904,019	38,694,238	48,918,386
Not classifiable ¹	648	2,078	4,156,273	—	10,652,669	21,667,972
Totals	13,215	641,190	2,310,634,396	229,355,946	5,683,753,088	10,655,098,620
Manitoba:						
Individual ownership	528	1,952	3,941,769	379,148	8,432,771	15,169,661
Partnerships	199	1,433	3,223,178	245,299	6,881,929	12,147,156
Incorporated companies	662	38,867	124,968,973	12,697,742	343,966,989	609,186,225
Co-operatives	22	388	1,043,429	180,090	6,857,926	9,320,383
Not classifiable ¹	123	181	328,622	—	885,151	1,565,760
Totals	1,534	42,821	133,505,971	13,502,279	367,024,766	647,389,185
Saskatchewan:						
Individual ownership	361	1,061	2,017,599	194,601	2,519,818	6,091,786
Partnerships	114	577	1,310,085	132,355	2,454,323	4,979,932
Incorporated companies	233	8,494	28,801,942	6,868,982	144,499,730	249,174,555
Co-operatives	44	1,344	4,451,253	1,040,554	27,047,159	37,431,260
Not classifiable ¹	46	60	102,504	—	350,158	525,956
Totals	798	11,536	36,683,383	8,236,492	176,871,188	298,203,489
Alberta:						
Individual ownership	826	2,928	5,803,777	563,948	10,695,786	21,175,943
Partnerships	288	1,750	3,827,261	307,578	6,536,520	13,521,270
Incorporated companies	690	31,080	108,036,689	12,872,401	377,030,255	645,475,628
Co-operatives	62	835	2,290,619	270,584	17,143,546	21,687,980
Not classifiable ¹	105	199	236,759	—	732,140	1,327,918
Totals	1,971	36,792	120,195,105	14,014,511	412,138,247	703,188,739
British Columbia:						
Individual ownership	1,517	5,282	11,579,924	1,102,052	18,067,954	39,004,259
Partnerships	625	3,459	7,664,484	694,033	12,301,524	25,754,395
Incorporated companies	2,040	97,542	367,587,211	40,119,885	949,332,109	1,750,800,676
Co-operatives	43	1,954	6,323,528	700,771	26,330,801	39,733,018
Not classifiable ¹	168	358	714,241	—	1,849,958	4,076,118
Totals	4,393	108,595	393,869,388	42,616,741	1,007,882,346	1,859,368,466
Yukon and Northwest Territories:						
Individual ownership	6	24	65,778	6,512	34,839	131,754
Partnerships	2					
Incorporated companies	16	151	615,655	182,048	3,832,576	4,998,743
Totals	24	175	681,433	188,560	3,867,415	5,130,497

¹ Consists of the industry "Publishing (only) of Periodicals".

TABLE 19. Principal Statistics of the Manufacturing Industries of Canada Classified by Industrial Groups, and by type of Ownership 1956

Industrial groups	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		
1. Foods and beverages:						
Individual ownership	3,616	16,054	29,789,389	5,502,619	125,008,576	182,231,077
Partnerships	846	6,116	13,309,157	2,130,907	63,852,818	90,362,474
Incorporated companies	2,706	151,939	466,599,722	47,335,942	2,102,416,481	3,321,743,146
Co-operatives	855	8,899	21,935,991	3,561,975	182,896,194	232,365,558
Totals	8,023	183,008	531,634,259	58,531,443	2,474,174,069	3,826,702,255
2. Tobacco and tobacco products:						
Individual ownership	15	92	185,542	9,647	215,696	483,161
Partnerships	1					
Incorporated companies	33		30,123,313	745,936	149,895,803	238,759,711
Co-operatives	2					
Totals	51	9,613	30,308,855	755,583	150,111,499	239,242,872
3. Rubber products:						
Individual ownership	11	78	188,740	12,078	214,151	492,952
Partnerships	4	8	13,221	640	24,534	63,342
Incorporated companies	76	23,050	81,952,928	4,871,452	160,447,901	355,027,521
Totals	91	23,136	82,154,889	4,884,170	160,686,586	355,583,815
4. Leather products:						
Individual ownership	177	1,750	3,715,125	100,312	6,160,423	11,555,402
Partnerships	67	1,070	2,370,787	66,517	3,759,089	7,255,363
Incorporated companies	402	28,564	68,884,122	2,130,694	113,871,320	218,221,220
Totals	646	31,384	74,970,034	2,297,523	123,790,832	237,031,985
5. Textile mills:						
Individual ownership	292	1,825	3,718,744	225,343	6,609,388	13,586,700
Partnerships	104	1,201	2,730,119	144,868	4,441,284	8,777,800
Incorporated companies	567	67,847	192,878,647	14,639,321	419,369,418	744,612,627
Co-operatives	2					
Totals	965	70,873	199,327,510	15,009,532	430,420,090	766,977,127
6a. Knitting mills:						
Individual ownership	42	400	784,597	33,026	1,610,957	2,991,973
Partnerships	23	609	1,316,966	23,678	3,112,363	5,511,166
Incorporated companies	221	20,904	47,536,394	1,856,523	79,202,700	156,646,588
Totals	286	21,913	49,637,957	1,913,227	83,926,020	165,149,727
6b. Clothing:						
Individual ownership	671	6,689	13,334,781	317,198	22,568,106	44,068,562
Partnerships	391	6,857	16,003,884	289,809	29,470,504	53,845,004
Incorporated companies	1,463	76,253	178,877,546	2,611,035	347,210,417	635,856,396
Totals	2,525	89,799	208,216,211	3,218,042	399,249,027	733,769,962
7. Wood products:						
Individual ownership	6,548	21,842	39,480,645	3,393,548	87,053,217	161,753,418
Partnerships	1,853	10,281	20,060,975	1,566,103	39,682,403	75,357,470
Incorporated companies	2,684	103,053	315,831,686	15,243,406	659,576,164	1,205,257,920
Co-operatives	18	407	975,961	66,328	2,153,540	4,243,752
Totals	11,103	135,583	376,349,267	20,269,385	788,465,324	1,446,612,560
8. Paper products:						
Individual ownership	46	254	569,165	29,249	1,119,465	2,048,121
Partnerships	22	251	618,766	29,327	1,290,672	2,321,574
Incorporated companies	500	93,200	385,698,485	107,429,233	882,646,124	1,883,241,305
Totals	568	93,705	386,886,416	107,487,809	885,056,261	1,887,611,000
9. Printing, publishing and allied industries:						
Individual ownership	1,232	5,282	13,596,009	544,320	9,396,727	31,622,892
Partnerships	420	2,798	7,744,085	254,724	5,505,492	17,526,562
Incorporated companies	1,228	57,790	217,648,621	4,690,829	179,066,486	570,631,359
Co-operatives	14	505	1,701,948	38,764	1,244,958	3,643,444
Not classifiable ¹	1,691	5,986	13,681,462	—	29,987,931	65,010,006
Totals	4,585	72,361	254,372,125	5,528,637	225,201,594	688,434,263
10. Iron and steel products:						
Individual ownership	709	3,940	10,050,529	611,952	8,879,811	24,923,371
Partnerships	313	2,953	8,588,595	466,508	11,108,745	24,844,265
Incorporated companies	1,940	190,025	747,736,963	64,261,523	1,295,825,197	2,707,001,841
Co-operatives	1					
Totals	2,963	196,918	766,376,087	65,339,983	1,315,813,753	2,756,769,477
11. Transportation equipment:						
Individual ownership	154	623	1,428,638	78,583	1,575,115	3,658,407
Partnerships	58	362	900,923	38,457	1,255,367	2,409,713
Incorporated companies	379	140,272	551,242,265	21,229,036	1,283,466,922	2,186,866,855
Totals	591	141,257	553,571,826	21,346,076	1,286,297,404	2,192,934,975

¹ Consists of Industry "Publishing (only) of Periodicals".

TABLE 19. Principal Statistics of the Manufacturing Industries of Canada Classified by Industrial Groups, and by type of Ownership 1956 - Concluded

Industrial groups	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	
12. Non-ferrous metal products:						
Individual ownership	136	666	1,734,997	86,241	2,529,501	5,247,399
Partnerships	63	507	1,365,373	63,038	2,354,001	4,619,195
Incorporated companies	382	54,898	217,269,370	70,637,756	1,124,078,054	1,852,289,568
Totals	581	56,071	220,369,740	70,787,035	1,128,961,556	1,862,156,162
13. Electrical apparatus and supplies:						
Individual ownership	38	190	455,716	20,004	1,175,810	1,823,995
Partnerships	12	161	433,782	13,675	705,212	1,409,315
Incorporated companies	423	82,945	309,633,302	9,130,588	556,368,498	1,086,960,865
Totals	473	83,296	310,322,800	9,164,267	558,249,520	1,090,194,175
14. Non-metallic mineral products:						
Individual ownership	360	1,410	3,222,703	376,430	3,945,472	9,736,953
Partnerships	139	950	2,415,053	422,418	2,903,184	7,500,826
Incorporated companies	683	37,805	137,585,407	45,500,402	200,023,835	555,301,332
Co-operative	1					
Totals	1,183	40,165	143,223,163	46,299,250	206,872,491	572,539,111
15. Products of petroleum and coal:						
Individual ownership	3	17,685	81,679,924	50,360,263	837,826,914	1,377,226,103
Incorporated companies	103					
Co-operative	1					
Totals	107	17,685	81,679,924	50,360,263	837,826,914	1,377,226,103
16. Chemicals and allied products:						
Individual ownership	176	493	1,179,868	97,980	2,192,833	4,773,761
Partnerships	43	236	564,293	32,498	594,522	1,575,250
Incorporated companies	907	51,884	198,233,645	36,444,412	520,748,515	1,099,930,429
Co-operative	5	208	764,841	64,047	4,028,357	4,953,964
Totals	1,131	52,821	200,742,647	36,638,937	527,564,227	1,111,233,404
17. Miscellaneous manufacturing industries:						
Individual ownership	562	2,436	6,332,440	316,946	6,788,261	17,020,187
Partnerships	191	1,340	3,398,999	141,916	4,741,502	10,368,102
Incorporated companies	800	29,605	90,513,773	3,649,382	127,273,138	298,933,130
Co-operative	3	51	103,268	1,300	66,821	258,594
Totals	1,556	33,432	100,348,480	4,109,544	138,869,722	326,580,013

Subsection 5. Leading Manufacturing Industries

In the following statement, the rank of the ten leading industries in 1956, from the standpoint of gross value of pro-

duction or value of shipments is compared with their respective ranks in significant years since 1922.

Industry	Rank in						
	1956	1949	1944	1939	1933	1929	1922
Pulp and paper	1	1	5	2	1	1	2
Non-ferrous metal smelting and refining	2	3	2	1	2	9	¹
Petroleum products	3	5	14	6	6	10	9
Motor vehicles	4	4	7	5	11	4	6
Slaughtering and meat packing	5	2	1	3	3	2	3
Primary iron and steel	6	8	13	11	31	16	20
Sawmills	7	6	11	8	14	5	4
Butter and cheese	8	7	10	4	5	6	5
Miscellaneous electrical apparatus and supplies	9	19	²	²	²	²	²
Rubber goods, including footwear	10	15	15	14	4	11	21

¹ Did not rank among the forty leading industries that year.

² This industry was not classified separately but was included with electrical apparatus and supplies.

A prominent feature of Canadian Manufacturing development during the past twenty-five years has been the rapid growth of non-ferrous metal smelting. This industry, based upon the rich base-metal resources of the country, has taken its place among the leading manufactures, along with the industries based upon forest, agricultural and live-stock resources. Another feature of this development in manufacturing production is the rise of the petroleum products industry from fourteenth place in 1944 to third place since 1954. This is the direct result of the recent discoveries and development of the large oil resources of the Prairie Provinces and the rapid industrialization of Canada during the past decade.

The incidence of the depression resulted in a re-arrangement of the ranking of many industries which in some cases has proved to be temporary. During the war, the industries engaged in producing the equipment needed by the armed forces, such as shipbuilding, aircraft, automobiles, miscellaneous chemical products, and primary iron and steel, advanced to higher positions. When the war ended, the industries engaged in the production of consumer goods, by reason of the expanded demand for their products, bettered their position. Pulp and paper, after a lapse of a number of years, resumed its premier position.

The impetus given to Canadian manufacturing production by the Korean war is reflected in the advance of the aircraft industry to ninth position. This industry which did not rank

among the forty leading industries before World War II was in fourth place in 1944 and sixteenth place in 1952. The shipbuilding industry also bettered its position as a result of the defence program occasioned by the Korean war. This industry which did not rank among the forty leading industries in 1949 advanced to thirty-fourth place in 1952 and 1954. With the slackening in defence spending, operations declined with the result that in 1955 and 1956 this industry, again, did not rank among the forty leading industries.

The recovery in 1955 and 1956 from the minor recession experienced in 1954 resulted in some major changes in the ranking of the leading industries. Volume output of durable goods industries advanced by 17.2 p.c. as compared with 10.8 p.c. for non-durable goods. Pulp and paper, non-ferrous metal smelting and refining, and petroleum products had the same rank in 1956 as in 1954. Motor vehicles advanced from fifth to fourth place, primary iron and steel from eighth to sixth place, miscellaneous electrical apparatus and supplies from thirteenth to ninth place, and rubber goods from fourteenth to tenth place. A number of the industries producing non-durable goods declined in relative importance. Slaughtering and meat packing dropped from fourth to fifth place, sawmills from sixth to seventh place, butter and cheese from seventh to eighth place, miscellaneous food preparations from tenth to thirteenth place, and aircraft from ninth to eleventh place.

TABLE 20. Principal Statistics of the Forty Leading Industries of Canada, Ranked According to Selling Value of Factory Shipments, 1956

No.	Industry	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture ¹	Selling value of factory shipments
		number			dollars		
1	Pulp and paper	126	65,985	297,571,944	625,205,442	736,346,393	1,453,441,726
2	Non-ferrous metal smelting and refining	23	30,733	130,139,944	820,604,322	511,018,353	1,396,565,178 ²
3	Petroleum products	61	13,925	66,341,638	766,375,257	444,427,813	1,253,793,979 ²
4	Motor vehicles	16	35,099	149,948,223	697,299,987	298,259,463	988,143,273
5	Slaughtering and meat packing	154	24,667	90,471,885	667,993,524	171,398,415	844,888,684
6	Primary iron and steel	50	36,043	162,880,867	301,298,582	352,522,996	680,860,470
7	Sawmills	6,629	57,078	153,809,204	350,745,728	279,710,804	639,414,360 ²
8	Butter and cheese	1,369	20,135	58,430,883	319,962,639	101,805,614	431,255,262
9	Miscellaneous electrical apparatus and supplies	161	26,501	99,639,414	205,428,688	199,624,836	393,561,949
10	Rubber goods, including footwear	91	23,136	82,154,889	160,686,586	198,602,139	355,583,815
11	Aircraft and parts	52	35,563	146,428,014	138,155,854	212,269,685	354,510,085 ²
12	Railway rolling stock	29	28,118	100,729,171	207,028,080	134,093,999	345,516,206 ²
13	Miscellaneous food preparations	301	9,678	30,460,603	229,523,992	102,842,139	334,668,066
14	Motor vehicle parts	198	21,471	82,361,857	177,584,923	154,511,216	329,525,120
15	Machinery, industrial	329	26,575	102,884,112	142,776,773	200,479,761	329,447,227
16	Bread and other bakery products	2,624	35,456	93,759,028	145,925,800	150,249,262	306,805,298
17	Printing and publishing	768	30,907	116,025,853	83,988,564	218,964,666	305,326,585
18	Furniture	1,890	32,724	93,468,751	148,015,272	148,496,496	297,554,404
19	Sheet metal products	381	20,012	73,745,487	162,747,069	135,728,461	296,043,128
20	Clothing, men's factory	551	32,041	75,171,943	155,425,652	118,934,426	272,145,915
21	Machinery, heavy, electrical	74	23,636	95,729,972	116,074,348	163,584,152	261,832,208
22	Fruit and vegetable preparations	446	16,750	39,969,038	150,499,615	96,044,778	249,883,547
23	Telecommunication equipment	125	21,403	72,568,917	135,182,456	119,323,007	244,762,934
24	Brass and copper products	154	9,220	34,729,361	173,601,665	69,497,906	244,096,116
25	Castings, iron	199	17,361	66,815,656	123,391,722	122,732,230	244,028,587
26	Sash, door and planing mills	1,805	19,942	54,704,518	151,697,647	89,172,259	243,381,166
27	Boxes and bags, paper	215	15,529	48,851,694	150,435,248	90,933,771	241,444,038
28	Clothing, women's factory	683	25,821	63,223,780	132,860,064	106,186,011	237,611,438
29	Cotton yarn and cloth	50	21,939	59,458,812	144,017,345	87,365,325	236,360,054
30	Miscellaneous chemical products, n.e.s.	259	12,457	46,029,320	116,206,917	101,529,704	226,427,832
31	Printing and bookbinding	1,840	25,357	83,403,430	81,272,057	139,473,551	221,879,981
32	Flour mills	76	4,572	15,102,725	187,100,113	33,071,027	221,769,944
33	Feeds, stock and poultry	814	6,612	17,542,559	171,048,793	47,033,133	220,556,245
34	Breweries	59	8,724	36,770,347	53,046,993	161,030,802	215,897,007
35	Bridge and structural steel work	51	13,707	58,440,200	103,229,597	99,728,554	204,771,553 ²
36	Acids, alkalies and salts	48	9,083	40,664,572	85,037,630	96,705,138	193,541,164
37	Fish processing	489	14,348	27,621,174	104,484,253	73,064,792	169,936,169
38	Tobacco, cigars and cigarettes	35	7,828	26,447,523	89,837,143	79,120,370	169,528,803
39	Synthetic textiles and silk	47	15,694	49,115,583	76,492,980	79,629,177	161,161,495
40	Wire and wire goods	133	10,195	39,801,217	89,906,441	72,529,912	160,458,338
	Totals, leading industries	23,405	906,080	3,183,414,108	8,942,245,761	6,798,042,536	15,978,384,349
	Totals, all industries	37,428	1,353,020	4,570,692,190	11,721,536,889	9,605,424,579	21,636,748,986

¹ See footnote 1, Table 1.

² Reported on a production basis.

SECTION 4. PRINCIPAL FACTORS IN MANUFACTURING PRODUCTION

The subjects treated under this Section include capital, employment, salaries and wages, size of establishments and power and fuel used in manufacturing.

Subsection 1. Capital and Repair Expenditures

Prior to 1944 the following information on capital investment was collected: Fixed Capital—Land, buildings, fixtures, machinery, tools and other equipment. Working Capital—(1) Inventory value of raw materials, stocks in process, fuel and miscellaneous supplies on hand; (2) Inventory value of finished products; (3) Cash, bills and accounts receivable, prepaid expenses, etc. This was replaced by the collection of statistics on the expenditure on fixed capital and repairs.

The remarkable increase in capital employed in Canadian manufactures from the beginning of the twentieth century has, of course, run parallel with the rapid growth in industrial operations. From 1900 to 1905 the capital increased from \$446,900,000 to \$833,900,000 and advanced to \$1,958,700,000 in 1915. During this period returns were received from establishments with 5 hands or over, and, while the rise in wholesale prices did not exceed 37 p.c., the capital employed in manufactures increased nearly 340 p.c.

Capital expenditures by manufacturers in 1956 totalled \$487,700,000 for construction and \$906,100,000 for machinery

and equipment, while \$577,800,000 went for repairs. Of the total capital expenditures, amounting to \$1,393,800,000 in 1956, 18.5 p.c. was reported by paper products, 11.7 p.c. by iron and steel products, 10.4 p.c. by chemicals and allied products, 8.6 p.c. by non-metallic mineral products, 8.4 p.c. by non-ferrous metal products, 7.8 p.c. by foods and beverages, 6.7 p.c. by products of petroleum and coal, 4.3 p.c. by transportation equipment, 3.6 p.c. by wood products, etc.

Of the groups reporting capital expenditures of \$50,000,000 or more in 1956 eight reported increases and only one, viz. products of petroleum and coal reported a decrease of \$16,000,000. Of the groups reporting increases, paper products with \$118,700,000 led the list, followed by chemicals and allied products with \$88,600,000, non-metallic mineral products \$72,500,000, iron and steel products \$67,300,000, non-ferrous metal products \$33,500,000, wood products \$7,900,000, transportation equipment \$6,000,000, and foods and beverages \$5,200,000. Rubber products with expenditures of \$13,900,000 was the only other group to report a decline which amounted to \$1,200,000.

Variation in Capital Expenditure 1956 Compared with 1955

Group	1956	1955	Variation
		\$'000,000	
Paper products	257.4	138.7	+118.7
Iron and steel products	162.5	95.2	+ 67.3
Chemicals and allied products	144.9	56.3	+ 88.6
Non-metallic mineral products	120.0	47.5	+ 72.5
Non-ferrous metal products	117.4	83.9	+ 33.5
Foods and beverages	109.1	103.9	+ 5.2
Products of petroleum and coal	93.0	109.0	- 16.0
Transportation equipment	60.3	54.3	+ 6.0
Wood products	50.8	42.9	+ 7.9
All groups	1,393.8	946.3	+447.5

Capital expenditures in 1956 increased by \$447,500,000, the highest on record. This compares with an increase of \$124,200,000 in 1955 and declines of \$146,900,000 in 1954 and \$3,600,000 in 1953. These declines were preceded by an increase of \$180,000,000 in 1952 and \$290,100,000 in 1951. The above table gives the capital expenditures of the major groups in 1956 reporting \$50,000,000 or more, together with the expenditures of these groups in 1955.

Expenditures on capital assets which averaged \$983,000,000 during the past six years reflect the expansion and modernization which the manufacturing industries of Canada have experienced. Although the expansion was at a rapid rate, not all provinces, however, shared in this expansion at an equal rate. Newfoundland had relatively the highest capital expenditures of any province, the percentage of capital expenditures to the value of factory shipments during the period 1950-54

being 11.0 more than double the Canada average. Alberta with 10.7 was in second place and British Columbia with 7.3 was in third place. Ontario and Saskatchewan equalled the Canada average of 4.9, while Prince Edward Island, Nova Scotia, New Brunswick, Quebec and Manitoba were below this figure.

Some changes in the pattern of capital expenditures was evident in 1955 and 1956. All provinces, with the exception of Newfoundland and Prince Edward Island, reported higher expenditures in dollar values. Alberta with 13.1 p.c. displaced Newfoundland from the premier position as regards capital expenditures as a percentage of value of shipments. With the exception of Newfoundland, Prince Edward Island and Saskatchewan, all provinces reported increases in the percentage of capital expenditures in relation to shipments. For Canada as a whole the percentage rose from 4.9 in the 1950-54 period to 5.7 in the 1955-56 period.

Comparison of Capital Expenditures with Value of Factory Shipments, 1950-1956

Province	Annual average, 1950-54			Annual average, 1955-56		
	Capital expenditures	Selling value of factory shipments	Capital expenditures as a percentage of shipments	Capital expenditures	Selling value of factory shipments	Capital expenditures as a percentage of shipments
	\$'000,000		p.c.	\$,000,000		p.c.
Newfoundland	10.9	98.7	11.0	9.4	119.6	7.9
Prince Edward Island	0.7	22.2	3.2	0.4	24.1	1.7
Nova Scotia	12.0	301.3	4.0	23.7	357.8	6.6
New Brunswick	11.6	289.6	4.0	14.8	304.1	4.9
Quebec	194.2	5,003.5	3.9	300.4	6,272.4	4.8
Ontario	401.2	8,135.9	4.9	520.9	10,136.4	5.1
Manitoba	17.0	553.5	3.1	26.3	617.9	4.3
Saskatchewan	12.5	255.0	4.9	14.1	296.7	4.8
Alberta	53.9	502.1	10.7	87.8	672.2	13.1
British Columbia	97.8	1,342.3	7.3	172.6	1,769.4	9.8
Canada	811.8	16,506.5	4.9	1,170.0	20,575.3	5.7

TABLE 21. Capital and Repair Expenditures by the Manufacturing Industries, by Provinces and Industrial Groups, 1956, with Totals for 1944 - 55

Group and year	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	56.8	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	363.5	458.7
1953	324.5	644.5	969.0	94.6	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	513.6
Provinces, 1956						
Newfoundland	1.7	7.8	9.5	1.6	5.1	6.7
Prince Edward Island	—	0.2	0.2	—	0.2	0.2
Nova Scotia	15.8	9.4	25.2	5.9	9.0	14.9
New Brunswick	4.5	12.7	17.2	1.5	9.2	10.7
Quebec	114.1	222.6	336.7	30.2	130.8	161.0
Ontario	189.2	440.9	630.1	49.7	239.2	288.9
Manitoba	9.2	15.0	24.2	3.9	9.3	13.2
Saskatchewan	6.7	12.6	19.3	2.2	2.1	4.3
Alberta	55.5	58.6	114.1	5.9	10.9	16.8
British Columbia	91.0	126.3	217.3	11.3	49.8	61.1
Totals	487.7	906.1	1,393.8	112.2	465.6	577.8
Industrial groups, 1956						
Foods and beverages	32.6	76.5	109.1	12.2	45.0	57.2
Tobacco and tobacco products	3.5	4.7	8.2	0.9	2.1	3.0
Rubber products	2.9	11.0	13.9	1.1	7.4	8.5
Leather products	1.8	2.5	4.3	0.7	2.5	3.2
Textile products (except clothing)	10.3	28.0	38.3	3.4	17.1	20.5
Clothing (textile and fur) ¹	1.3	8.4	9.7	1.2	4.4	5.6
Wood products	14.0	36.8	50.8	7.4	28.8	36.2
Paper products	85.1	172.3	257.4	10.3	85.6	95.9
Printing, publishing and allied industries	5.3	20.2	25.5	1.6	5.5	7.1
Iron and steel products	40.3	122.2	162.5	15.4	93.5	108.9
Transportation equipment	16.7	43.6	60.3	10.6	32.0	42.6
Non-ferrous metal products	62.4	55.0	117.4	11.4	50.9	62.3
Electrical apparatus and supplies	14.7	26.8	41.5	3.8	15.6	19.4
Non-metallic mineral products	51.4	68.6	120.0	3.0	31.7	34.7
Products of petroleum and coal	83.9	9.1	93.0	21.6	8.1	29.7
Chemicals and allied products	57.9	87.0	144.9	6.2	31.9	38.1
Miscellaneous industries	3.6	8.7	12.3	1.4	3.5	4.9
Capital items charged to operating expense	—	124.7	124.7	—	—	—

¹ Includes "Knitting Mills".

TABLE 22. Capital and Repair Expenditures by the Manufacturing Industries, by Provinces 1948 - 56

Province	Capital expenditures			Repair expenditures		
	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
\$'000,000						
Newfoundland:						
1948 ¹	—	—	—	—	—	—
1949	2.3	6.0	8.3	1.5	3.6	5.1
1950	2.0	5.5	7.5	1.0	3.0	4.0
1951	3.4	6.4	9.8	1.2	4.2	5.4
1952	5.4	9.7	15.1	0.9	8.5	9.4
1953	5.2	8.1	13.3	1.6	4.1	5.7
1954	3.5	5.5	9.0	1.9	4.2	6.1
1955	2.6	6.6	9.2	1.3	5.6	6.9
1956	1.7	7.8	9.5	1.6	5.1	6.7
Prince Edward Island:						
1948	0.1	0.3	0.4	0.1	0.2	0.3
1949	0.1	0.2	0.3	0.1	0.1	0.2
1950	0.4	0.5	0.9	0.1	0.2	0.3
1951	0.2	0.2	0.4	0.1	0.2	0.3
1952	0.4	0.6	1.0	0.2	0.2	0.4
1953	0.2	0.7	0.9	0.1	0.2	0.3
1954	—	0.2	0.2	0.1	0.3	0.4
1955	0.1	0.4	0.5	0.1	0.3	0.4
1956	—	0.2	0.2	—	0.2	0.2

¹ Not available.

TABLE 22. Capital and Repair Expenditures by the Manufacturing Industries, by Provinces 1948-56 - Concluded

Province	Capital expenditures			Repair expenditures		
	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
	\$'000,000					
Nova Scotia:						
1948	5.9	6.5	12.4	5.0	5.8	10.8
1949	3.4	5.5	8.9	2.7	7.5	10.2
1950	1.7	5.9	7.6	4.0	5.1	9.1
1951	1.8	10.6	12.4	5.0	6.4	11.4
1952	6.7	10.2	16.9	7.0	8.1	15.1
1953	4.4	8.9	13.3	7.4	8.4	15.8
1954	2.9	7.0	9.9	6.1	7.2	13.3
1955	15.1	7.0	22.1	5.6	8.1	13.7
1956	15.8	9.4	25.2	5.9	9.0	14.9
New Brunswick:						
1948	4.4	10.7	15.1	1.2	7.1	8.3
1949	2.6	10.0	12.6	1.2	6.5	7.7
1950	1.2	6.3	7.5	1.1	6.4	7.5
1951	4.2	13.3	17.5	1.7	7.8	9.5
1952	3.1	10.6	13.7	1.1	8.5	9.6
1953	2.1	8.8	10.9	1.7	9.0	10.7
1954	2.0	6.5	8.5	1.4	8.4	9.8
1955	2.5	9.8	12.3	2.1	8.5	10.6
1956	4.5	12.7	17.2	1.5	9.2	10.7
Quebec:						
1948	58.1	127.3	185.4	20.5	76.6	97.1
1949	50.4	113.8	164.2	19.1	80.6	99.7
1950	44.0	108.5	152.5	19.2	81.7	100.9
1951	54.7	143.8	198.5	21.3	96.6	117.9
1952	66.0	164.9	230.9	25.5	103.9	129.4
1953	44.9	140.2	185.1	22.0	111.4	133.4
1954	72.4	131.5	203.9	22.9	113.9	136.8
1955	96.3	167.8	264.1	26.1	116.1	142.2
1956	114.1	222.6	336.7	30.2	130.8	161.0
Ontario:						
1948	89.4	200.7	290.1	38.3	123.4	161.7
1949	63.1	177.1	240.2	30.0	127.3	157.3
1950	56.1	161.8	217.9	30.2	140.9	171.1
1951	137.8	257.4	395.2	39.4	170.4	209.8
1952	158.3	318.9	477.2	43.6	179.5	223.1
1953	169.3	330.1	499.4	43.5	200.2	243.7
1954	124.3	292.0	416.3	46.0	196.9	242.9
1955	121.0	290.7	411.7	43.3	209.4	252.7
1956	189.2	440.9	630.1	49.7	239.2	288.9
Manitoba:						
1948	2.6	8.3	10.9	2.2	6.1	8.3
1949	3.6	9.9	13.5	2.3	6.5	8.8
1950	5.7	10.9	16.6	2.1	6.6	8.7
1951	7.9	9.7	17.6	2.5	7.5	10.0
1952	3.1	8.7	11.8	3.4	9.4	12.8
1953	2.8	9.0	11.8	3.2	9.1	12.3
1954	15.1	11.9	27.0	3.7	8.2	11.9
1955	12.4	15.9	28.3	4.0	7.5	11.5
1956	9.2	15.0	24.2	3.9	9.3	13.2
Saskatchewan:						
1948	2.0	3.3	5.3	1.0	1.5	2.5
1949	3.5	7.0	10.5	0.6	2.4	3.0
1950	2.3	6.2	8.5	0.5	2.6	3.1
1951	3.7	9.5	13.2	1.2	2.4	3.6
1952	3.5	6.2	9.7	1.4	2.8	4.2
1953	13.2	4.6	17.8	1.9	2.9	4.8
1954	9.8	3.5	13.3	2.6	2.3	4.9
1955	5.3	3.6	8.9	3.0	1.9	4.9
1956	6.7	12.6	19.3	2.2	2.1	4.3
Alberta:						
1948	9.6	6.7	16.3	2.0	4.8	6.8
1949	4.4	8.5	12.9	1.6	6.1	7.7
1950	3.2	13.4	16.6	1.7	6.1	7.8
1951	12.7	23.9	36.6	2.7	5.8	8.5
1952	43.4	31.8	75.2	4.1	7.1	11.2
1953	27.2	64.3	91.5	3.9	8.7	12.6
1954	22.3	27.3	49.6	4.2	10.2	14.4
1955	39.6	21.8	61.4	5.4	11.0	16.4
1956	55.5	58.6	114.1	5.9	10.9	16.8
British Columbia:						
1948	12.7	30.4	43.1	8.6	28.4	37.0
1949	23.2	41.2	64.4	7.6	26.6	34.2
1950	18.8	48.1	66.9	7.7	26.4	34.1
1951	41.2	50.2	91.4	9.9	35.7	45.6
1952	53.7	67.4	121.1	8.0	35.5	43.5
1953	55.2	69.8	125.0	9.3	31.5	40.8
1954	35.3	49.1	84.4	8.7	39.3	48.0
1955	49.6	78.2	127.8	9.7	44.6	54.3
1956	91.0	126.3	217.3	11.3	49.8	61.1

TABLE 23. Capital and Repair Expenditures by the Manufacturing Industries, by Industrial Groups, 1944-56

Group and year	Capital expenditures			Repair expenditures		
	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
	\$'000,000					
Foods and beverages:						
1944 ¹	10.7	11.4	22.1	8.5	21.2	29.7
1946	24.7	28.4	53.1	12.3	20.5	32.8
1948	31.9	56.5	88.4	13.2	28.6	41.8
1950	26.0	49.2	75.2	10.0	31.6	41.6
1951	28.0	51.0	79.1	11.8	34.3	46.1
1952	26.6	50.7	77.3	12.5	36.0	48.5
1953	26.0	59.0	85.0	12.8	40.1	52.9
1954	38.6	65.7	104.3	13.2	41.2	54.4
1955	38.5	65.4	103.9	12.6	43.5	56.1
1956	32.6	76.5	109.1	12.2	45.0	57.2
Tobacco and tobacco products:						
1944 ¹	—	—	—	—	—	—
1946	1.2	0.9	2.1	0.5	0.6	1.1
1948	0.8	1.9	2.7	0.5	1.3	1.8
1950	1.0	1.6	2.6	0.4	1.3	1.7
1951	0.5	1.7	2.2	0.4	1.3	1.7
1952	0.5	1.8	2.3	0.5	1.3	1.8
1953	1.0	2.2	3.2	0.6	1.5	2.1
1954	0.6	2.5	3.1	0.7	1.7	2.4
1955	1.6	2.8	4.4	0.9	1.7	2.6
1956	3.5	4.7	8.2	0.9	2.1	3.0
Rubber products (including footwear):						
1944 ¹	—	—	—	—	—	—
1946	3.9	3.6	7.5	1.1	3.7	4.8
1948	1.5	4.5	6.0	0.9	4.6	5.5
1950	0.6	4.1	4.7	0.7	4.6	5.3
1951	2.0	5.9	7.9	0.9	5.5	6.4
1952	2.7	7.3	10.0	0.9	6.0	6.9
1953	4.1	11.1	15.2	1.3	6.1	7.4
1954	4.6	11.1	15.7	1.0	5.9	6.9
1955	3.0	12.1	15.1	0.8	6.8	7.6
1956	2.9	11.0	13.9	1.1	7.4	8.5
Leather products:						
1944 ¹	—	—	—	—	—	—
1946	1.6	1.6	3.2	1.1	2.4	3.5
1948	1.2	2.2	3.4	1.0	2.6	3.6
1950	0.7	1.8	2.5	0.6	2.1	2.7
1951	0.9	1.9	2.8	0.6	2.1	2.7
1952	0.6	1.7	2.3	0.6	2.0	2.6
1953	0.9	2.2	3.1	0.7	2.3	3.0
1954	0.5	1.8	2.3	0.6	2.0	2.6
1955	0.5	1.8	2.3	0.6	2.2	2.8
1956	1.8	2.5	4.3	0.7	2.5	3.2
Textile products (except clothing):						
1944	1.8	4.9	6.7	2.8	7.6	10.4
1946	8.4	16.2	24.6	3.3	10.2	13.5
1948	6.5	29.1	35.6	3.9	14.2	18.1
1950	6.6	20.8	27.4	3.5	15.9	19.4
1951	9.9	29.2	39.1	4.0	16.7	20.7
1952	7.0	24.5	31.5	3.8	15.6	19.4
1953	7.9	20.0	27.9	2.8	16.6	19.4
1954	7.5	21.0	28.5	2.7	14.3	17.0
1955	7.6	20.5	28.1	3.0	16.6	19.6
1956	10.3	28.0	38.3	3.4	17.1	20.5
Clothing (textile and fur)*:						
1944	2.8	1.1	3.9	3.8	3.3	7.1
1946	2.6	5.8	8.4	2.2	3.8	6.0
1948	2.1	10.2	12.3	2.2	4.8	7.0
1950	2.5	9.4	11.9	1.4	4.6	6.0
1951	4.1	9.1	13.2	1.4	4.7	6.1
1952	1.6	11.1	12.7	1.3	4.4	5.7
1953	3.8	10.6	14.4	1.5	4.5	6.0
1954	2.2	7.6	9.8	1.3	4.0	5.3
1955	1.4	7.9	9.3	1.3	3.9	5.2
1956	1.3	8.4	9.7	1.2	4.4	5.6

¹ Figures not compiled separately; they are, however, included in the total. See Table 21, p. 50.

* Includes "Knitting mills".

TABLE 23. Capital and Repair Expenditures by the Manufacturing Industries, by Industrial Groups, 1944-56 — Continued

Group and year	Capital expenditures			Repair expenditures		
	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
	\$'000,000					
Wood products:						
1944	2.9	2.4	5.3	4.6	13.5	18.1
1946	10.9	9.5	20.4	5.7	12.2	17.9
1948	7.9	18.5	26.4	7.1	18.9	26.0
1950	8.1	21.3	29.4	5.4	19.4	24.8
1951	11.2	27.4	38.6	7.7	24.5	32.2
1952	9.3	22.5	31.8	6.1	23.5	29.6
1953	10.4	24.2	34.6	7.8	22.3	30.1
1954	8.4	24.5	32.9	6.5	24.1	30.6
1955	12.1	30.8	42.9	7.6	29.2	36.8
1956	14.0	36.8	50.8	7.4	28.8	36.2
Paper products:						
1944	8.0	6.7	14.7	1.9	32.3	34.2
1946	27.2	27.8	55.0	5.3	28.4	33.7
1948	29.1	60.4	89.5	7.0	47.3	54.3
1950	21.1	57.4	78.5	8.0	51.7	59.7
1951	41.7	83.2	124.9	9.7	69.0	78.7
1952	33.6	95.9	129.5	8.3	72.9	81.2
1953	22.5	81.6	104.1	7.0	69.7	76.7
1954	21.6	65.7	87.3	8.2	75.1	83.3
1955	32.9	105.8	138.7	8.9	75.1	84.0
1956	85.1	172.3	257.4	10.3	85.6	95.9
Printing, publishing and allied trades:						
1944	0.2	2.2	2.4	0.6	3.9	4.5
1946	2.9	4.4	7.3	1.3	2.4	3.7
1948	7.0	12.4	19.4	1.6	3.9	5.5
1950	5.0	14.4	19.4	1.7	4.1	5.8
1951	6.3	18.0	24.3	1.7	4.6	6.3
1952	3.3	11.0	14.3	1.5	4.1	5.6
1953	3.8	12.6	16.4	2.0	4.4	6.4
1954	11.7	19.7	31.4	2.4	4.9	7.3
1955	6.5	17.6	24.1	2.1	4.5	6.6
1956	5.3	20.2	25.5	1.6	5.5	7.1
Iron and steel products:						
1944	10.1	22.2	32.3	6.5	26.2	32.7
1946	14.9	22.0	36.9	8.4	22.8	31.2
1948	19.6	36.7	56.3	12.0	38.4	50.4
1950	13.5	30.7	44.2	12.7	41.7	54.4
1951	47.1	50.1	97.2	13.0	58.9	71.9
1952	46.2	89.7	135.9	16.1	64.8	80.9
1953	35.5	78.5	114.0	15.6	70.8	86.4
1954	22.0	66.4	88.4	12.6	64.0	76.6
1955	27.0	68.2	95.2	12.7	75.6	88.3
1956	40.3	122.2	162.5	15.4	93.5	108.9
Transportation equipment:						
1944	1.6	4.7	6.3	11.0	20.8	31.8
1946	5.4	10.3	15.7	3.7	14.4	18.1
1948	5.4	10.0	15.4	5.3	16.8	22.1
1950	9.9	17.4	27.3	5.7	20.0	25.7
1951	21.8	27.1	48.9	6.9	21.5	28.4
1952	37.1	25.0	62.1	11.6	31.1	42.7
1953	46.9	50.5	97.4	11.9	33.0	44.9
1954	20.9	44.3	65.2	10.9	30.0	40.9
1955	20.2	34.1	54.3	10.5	28.1	38.6
1956	16.7	43.6	60.3	10.6	32.0	42.6
Non-ferrous metal products:						
1944	6.4	2.4	8.8	5.0	15.3	20.3
1946	2.3	5.3	7.6	3.1	12.2	15.3
1948	8.9	16.8	25.7	7.8	25.9	33.7
1950	8.9	13.5	22.4	4.0	24.6	28.6
1951	22.4	26.0	48.4	6.9	30.3	37.2
1952	35.1	35.6	70.7	8.5	34.2	42.7
1953	37.6	41.7	79.3	8.7	36.1	44.8
1954	20.3	33.3	53.6	8.7	40.1	48.8
1955	37.4	46.5	83.9	8.3	43.8	52.1
1956	62.4	55.0	117.4	11.4	50.9	62.3

TABLE 23. Capital and Repair Expenditures by the Manufacturing Industries, by Industrial Groups, 1944-56 - Concluded

Group and year	Capital expenditures			Repair expenditures		
	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
	\$'000,000					
Electrical apparatus and supplies:						
1944 ¹	—	—	—	—	—	—
1946	3.0	8.7	11.7	1.2	5.0	6.2
1948	4.8	11.9	16.7	2.2	8.7	10.9
1950	3.1	10.6	13.7	2.0	10.5	12.5
1951	16.3	15.6	31.9	2.2	11.4	13.6
1952	21.8	18.6	40.4	2.8	11.7	14.5
1953	15.8	20.2	36.0	2.7	14.2	16.9
1954	11.7	20.0	31.7	3.1	13.6	16.7
1955	8.0	20.3	28.3	2.8	13.3	16.1
1956	14.7	26.8	41.5	3.8	15.6	19.4
Non-metallic mineral products:						
1944 ¹	1.4	1.2	2.6	0.8	6.5	7.3
1946	3.5	4.2	7.7	1.4	8.4	9.8
1948	11.1	17.0	28.1	2.3	13.3	15.6
1950	4.4	12.0	16.4	1.6	15.7	17.3
1951	11.5	18.9	30.4	4.7	15.6	20.3
1952	11.2	23.1	34.3	3.9	16.6	20.5
1953	11.0	21.3	32.3	2.2	22.1	24.3
1954	19.6	23.6	43.2	2.8	23.8	26.6
1955	22.1	25.4	47.5	3.2	27.1	30.3
1956	51.4	68.6	120.0	3.0	31.7	34.7
Products of petroleum and coal:						
1944 ¹	—	—	—	—	—	—
1946	5.2	4.6	9.8	2.4	5.2	7.6
1948	29.3	13.4	42.7	6.6	6.3	12.9
1950	14.3	18.5	32.8	4.8	9.7	14.5
1951	21.7	37.3	59.0	8.3	8.8	17.1
1952	41.1	36.4	77.5	11.2	9.5	20.7
1953	61.6	19.9	81.5	11.8	12.0	23.8
1954	79.6	14.0	93.6	15.7	11.5	27.2
1955	100.4	8.6	109.0	19.2	8.1	27.3
1956	83.9	9.1	93.0	21.6	8.1	29.7
Chemicals and allied products:						
1944	1.4	1.6	3.0	3.7	8.1	11.8
1946	11.6	8.0	19.6	2.9	10.3	13.2
1948	15.0	26.9	41.9	4.3	15.8	20.1
1950	7.3	19.0	26.3	4.3	19.1	23.4
1951	19.2	38.5	57.7	4.0	24.8	28.8
1952	61.2	79.8	141.0	4.5	26.6	31.1
1953	32.0	90.3	122.3	4.3	26.5	30.8
1954	15.1	24.7	39.8	6.2	31.4	37.6
1955	21.6	34.7	56.3	4.9	30.2	35.1
1956	57.9	87.0	144.9	6.2	31.9	38.1
Miscellaneous industries:						
1944	1.3	81.4 ²	82.7 ²	1.0	1.9	2.9
1946	2.9	43.7 ²	46.6 ²	0.9	1.8	2.7
1948	2.7	65.8 ²	68.5 ²	1.0	2.5	3.5
1950	2.4	3.6	6.0	0.8	2.4	3.2
1951	3.0	4.4	7.4	0.8	3.0	3.8
1952	4.7	4.1	8.8	1.1	3.2	4.3
1953	3.7	5.0	8.7	0.9	3.3	4.2
1954	2.7	4.5	7.2	1.0	3.3	4.3
1955	3.7	7.0	10.7	1.2	3.3	4.5
1956	3.6	8.7	12.3	1.4	3.5	4.9

¹ Figures not compiled separately; they are, however, included in the total. See Table 21, p. 50.² Includes allowance for capital items charged to operating expense.**TABLE 24. Capital and Repair Expenditures of the Twenty-five Leading Industries, 1948-56**
(Industries Ranked According to the Value of Factory Shipments in 1953)

Industry	Capital expenditures			Repair expenditures		
	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
	\$'000,000					
1. Pulp and paper:						
1948	25.7	53.6	79.3	6.2	43.6	49.8
1949	24.2	47.6	71.8	7.2	45.8	53.0
1950	17.9	50.7	68.6	7.0	46.5	53.5
1951	35.0	73.9	108.9	8.6	62.6	71.2
1952	29.0	86.6	115.6	7.3	66.5	73.8
1953	18.5	73.4	91.9	6.2	63.5	69.7
1954	13.8	55.2	69.0	7.3	68.5	75.8
1955	13.5	57.5	71.0	5.3	52.5	57.8
1956	34.0	100.3	134.3	7.1	60.6	67.7

TABLE 24. Capital and Repair Expenditures of the Twenty-five Leading Industries, 1948-56 — Continued

Industry	Capital expenditures			Repair expenditures		
	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
\$'000,000						
2. Non-ferrous metal smelting and refining:						
1948	7.5	9.8	17.3	7.1	18.6	25.7
1949	7.0	7.4	14.4	0.7	15.5	16.2
1950	6.7	9.4	16.1	2.8	19.7	22.5
1951	20.6	19.8	40.4	5.3	24.0	29.3
1952	32.6	29.7	62.3	7.0	26.9	33.9
1953	33.4	33.7	67.1	7.7	29.4	37.1
1954	19.5	27.7	47.2	7.3	33.3	40.6
1955	34.3	40.5	74.8	6.9	36.3	43.2
1956	53.7	45.7	99.4	10.2	43.6	53.8
3. Motor vehicles:						
1948	2.0	4.3	6.3	1.8	5.3	7.1
1949	1.1	4.7	5.8	1.4	5.1	6.5
1950	3.1	7.7	10.8	1.7	6.1	7.8
1951	7.4	10.3	17.7	1.8	6.5	8.3
1952	20.9	11.1	32.0	2.3	7.3	9.6
1953	27.0	27.1	54.1	3.0	9.4	12.4
1954	11.1	14.7	25.8	2.6	9.7	12.3
1955	13.0	17.0	30.0	2.6	10.4	13.0
1956	3.7	22.4	26.1	2.6	11.9	14.5
4. Slaughtering and meat packing:						
1948	2.2	3.8	6.0	3.4	3.7	7.1
1949	1.5	3.9	5.4	1.6	5.4	7.0
1950	2.2	3.2	5.4	1.5	5.5	7.0
1951	2.3	3.5	5.8	2.2	5.3	7.5
1952	3.1	4.7	7.8	2.4	5.8	8.2
1953	2.1	4.8	6.9	2.6	7.7	10.3
1954	4.0	5.8	9.8	2.5	7.6	10.1
1955	2.6	4.0	6.6	2.1	6.9	9.0
1956	5.0	8.1	13.1	2.2	8.4	10.6
5. Petroleum products:						
1948 ¹	—	—	—	—	—	—
1949 ¹	—	—	—	—	—	—
1950	9.6	14.5	24.1	3.3	7.1	10.4
1951	18.9	30.2	49.1	7.4	5.5	12.9
1952	32.1	28.0	60.1	9.6	6.1	15.7
1953	56.8	9.0	65.8	10.5	7.9	18.4
1954	75.1	7.5	82.6	14.7	7.7	22.4
1955	94.2	4.8	99.0	18.1	4.2	22.3
1956	83.0	6.5	89.5	21.0	4.3	25.3
6. Sawmills:						
1948	5.0	11.6	16.6	4.7	13.3	18.0
1949	4.3	12.2	16.5	3.3	12.9	16.2
1950	5.4	15.3	20.7	3.5	14.0	17.5
1951	6.4	17.4	23.8	5.1	18.0	23.1
1952	5.5	12.9	18.4	3.6	16.1	19.7
1953	4.0	12.5	16.5	5.1	16.0	21.1
1954	4.2	14.7	18.9	4.0	17.4	21.4
1955	4.9	19.3	24.2	4.9	19.8	24.7
1956	5.2	18.4	23.6	4.4	18.1	22.5
7. Primary iron and steel:						
1948	7.3	12.0	19.3	5.1	16.3	21.4
1949	2.4	9.2	11.6	5.4	15.4	20.8
1950	1.7	5.2	6.9	5.9	18.0	23.9
1951	28.9	21.4	50.3	5.5	27.8	33.3
1952	20.5	52.4	72.9	6.3	31.4	37.7
1953	11.9	38.0	49.9	7.2	38.6	45.8
1954	6.2	27.3	33.5	5.2	31.6	36.8
1955	6.6	27.9	34.5	5.2	43.0	48.2
1956	7.6	54.1	61.7	6.5	56.2	62.7
8. Aircraft and parts:						
1948	0.1	0.2	0.3	0.3	0.6	0.9
1949	0.9	0.5	1.4	0.5	1.0	1.5
1950	1.9	0.8	2.7	0.7	0.9	1.6
1951	4.7	1.4	6.1	0.9	1.0	1.9
1952	6.3	2.1	8.4	1.3	1.7	3.0
1953	8.3	3.5	11.8	0.9	3.9	4.8
1954	4.0	4.4	8.4	1.2	3.0	4.2
1955	3.4	7.2	10.6	1.6	2.4	4.0
1956	3.4	8.0	11.4	1.3	3.0	4.3
9. Butter and cheese:						
1948	2.8	8.1	10.9	1.5	4.0	5.5
1949	1.7	7.8	9.5	1.3	4.0	5.3
1950	1.5	7.1	8.6	1.2	4.4	5.6
1951	1.7	6.8	8.5	1.3	4.2	5.5
1952	2.4	7.1	9.5	1.8	4.4	6.2
1953	2.4	8.4	10.8	1.5	4.4	5.9
1954	2.3	9.6	11.9	1.7	4.9	6.6
1955	2.5	10.4	12.9	1.4	5.1	6.5
1956	2.9	10.5	13.4	1.3	4.8	6.1

¹ Not available.

TABLE 24. Capital and Repair Expenditures of the Twenty-five Leading Industries, 1948-56 - Continued

Industry	Capital expenditures			Repair expenditures		
	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
\$'000,000						
10. Railway rolling stock:						
1948.....	2.4	2.3	4.7	1.6	6.2	7.8
1949.....	1.9	4.0	5.9	1.7	6.7	8.4
1950.....	1.3	2.8	4.1	1.6	5.3	6.9
1951.....	2.1	2.4	4.5	1.9	5.1	7.0
1952.....	5.7	4.0	9.7	8.1	11.3	19.4
1953.....	3.4	5.9	9.3	4.6	9.1	13.7
1954.....	1.8	4.6	6.4	4.0	8.0	12.0
1955.....	1.7	2.3	4.0	3.7	6.2	9.9
1956.....	1.5	3.4	4.9	4.3	8.0	12.3
11. Motor vehicle parts:						
1948.....	1.1	2.6	3.7	0.7	3.5	4.2
1949.....	1.7	3.9	5.6	0.8	4.1	4.9
1950.....	2.5	5.5	8.0	0.7	4.9	5.6
1951.....	6.8	10.7	17.5	1.1	5.9	7.0
1952.....	5.2	5.7	10.9	1.4	6.1	7.5
1953.....	6.2	11.6	17.8	1.2	7.2	8.4
1954.....	2.3	18.1	20.4	0.9	5.8	6.7
1955.....	1.1	5.3	6.4	0.8	5.8	6.6
1956.....	3.5	5.8	9.3	0.9	6.4	7.3
12. Rubber goods, including footwear:						
1948.....	1.5	5.7	7.2	0.9	4.6	5.5
1949.....	1.7	4.6	6.3	0.6	4.4	5.0
1950.....	0.6	4.1	4.7	0.7	4.6	5.3
1951.....	2.0	5.9	7.9	0.9	5.5	6.4
1952.....	2.7	7.3	10.0	0.9	6.0	6.9
1953.....	4.1	11.1	15.2	1.3	6.0	7.3
1954.....	4.6	11.1	15.7	1.0	5.9	6.9
1955.....	3.0	12.1	15.1	0.8	6.8	7.6
1956.....	2.9	11.0	13.9	1.1	7.4	8.5
13. Miscellaneous food preparations:						
1948.....	0.7	2.1	2.8	0.4	0.6	1.0
1949.....	6.0	6.1	12.1	0.6	1.2	1.8
1950.....	0.6	2.2	2.8	0.4	0.8	1.2
1951.....	2.8	3.4	6.2	0.7	2.2	2.9
1952.....	1.9	2.2	4.1	0.4	0.9	1.3
1953.....	1.0	4.4	5.4	0.6	2.6	3.2
1954.....	2.2	5.0	7.2	0.7	2.8	3.5
1955.....	1.0	4.6	5.6	0.7	2.8	3.5
1956.....	0.8	5.0	5.8	0.7	3.0	3.7
14. Bread and other bakery products:						
1948.....	2.7	7.2	9.9	1.1	2.7	3.8
1949.....	1.5	6.2	7.7	1.1	2.9	4.0
1950.....	2.8	7.9	10.7	1.0	3.5	4.5
1951.....	2.5	8.4	10.9	1.1	4.1	5.2
1952.....	3.9	9.6	13.5	1.3	3.7	5.0
1953.....	2.6	9.2	11.8	1.3	5.1	6.4
1954.....	2.9	8.1	11.0	1.2	4.7	5.9
1955.....	2.0	9.2	11.2	1.3	4.2	5.5
1956.....	2.0	8.8	10.8	1.1	4.7	5.8
15. Clothing, men's, factory:						
1948.....	0.6	2.0	2.6	0.5	0.9	1.4
1949.....	0.7	1.6	2.3	0.5	0.9	1.4
1950.....	0.3	1.4	1.7	0.4	0.9	1.3
1951.....	0.5	1.6	2.1	0.3	1.0	1.3
1952.....	0.3	1.6	1.9	0.4	0.9	1.3
1953.....	1.3	1.8	3.1	0.5	0.9	1.4
1954.....	1.4	1.3	2.7	0.6	0.7	1.3
1955.....	1.0	1.4	2.4	0.3	0.6	0.9
1956.....	0.3	1.8	2.1	0.4	0.9	1.3
16. Flour mills:						
1948.....	1.7	4.3	6.0	0.5	2.2	2.7
1949.....	2.9	3.7	6.6	0.2	1.4	1.6
1950.....	0.7	2.3	3.0	0.2	1.5	1.7
1951.....	0.4	1.5	1.9	0.4	1.5	1.9
1952.....	0.5	1.7	2.2	0.2	1.6	1.8
1953.....	0.2	1.0	1.2	0.5	1.6	2.1
1954.....	0.5	2.0	2.5	0.3	1.3	1.6
1955.....	0.5	2.1	2.6	0.5	1.2	1.7
1956.....	0.5	2.9	3.4	0.5	1.1	1.6
17. Miscellaneous electrical apparatus and supplies:						
1948 ¹	—	—	—	—	—	—
1949 ¹	—	—	—	—	—	—
1950.....	0.7	3.4	4.1	0.7	4.1	4.8
1951.....	3.6	4.9	8.5	0.8	4.0	4.8
1952.....	6.7	5.5	12.2	1.1	5.0	6.1
1953.....	2.7	6.8	9.5	0.9	5.7	6.6
1954.....	3.0	6.8	9.8	1.0	5.6	6.6
1955.....	3.2	8.5	11.7	1.2	6.0	7.2
1956.....	7.8	13.6	21.4	1.8	7.9	9.7

¹ Not available.

TABLE 24. Capital and Repair Expenditures of the Twenty-five Leading Industries, 1948-56 - Concluded

Industry	Capital expenditures			Repair expenditures		
	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
\$'000,000						
18. Machinery, heavy electrical:						
1948 ¹	—	—	—	—	—	—
1949 ¹	—	—	—	—	—	—
1950	1.1	3.8	4.9	0.5	4.0	4.5
1951	3.5	5.0	8.5	0.6	7.0	7.6
1952	10.8	6.9	17.7	1.0	4.2	5.2
1953	8.1	6.1	14.2	1.0	5.5	6.5
1954	3.0	6.4	9.4	1.2	4.8	6.0
1955	1.9	5.1	7.0	0.8	4.3	5.1
1956	4.4	7.0	11.4	0.8	4.6	5.4
19. Printing and publishing:						
1948	4.2	4.8	9.0	0.8	1.9	2.7
1949	2.5	5.7	8.2	0.7	1.7	2.4
1950	2.9	5.7	8.6	0.6	1.7	2.3
1951	3.5	9.3	12.8	0.8	1.9	2.7
1952	2.5	5.5	8.0	0.8	1.9	2.7
1953	2.5	5.9	8.4	1.0	2.1	3.1
1954	6.1	9.7	15.8	1.0	2.1	3.1
1955	2.7	8.2	10.9	1.1	2.1	3.2
1956	3.0	9.8	12.8	0.9	2.5	3.4
20. Furniture:						
1948	1.0	2.6	3.6	0.8	1.5	2.3
1949	0.7	2.1	2.8	0.8	1.7	2.5
1950	0.9	2.1	3.0	0.9	1.6	2.5
1951	1.2	2.4	3.6	0.9	1.8	2.7
1952	0.9	2.4	3.3	0.8	1.8	2.6
1953	2.2	3.8	6.0	1.1	2.0	3.1
1954	1.7	3.1	4.8	1.3	2.1	3.4
1955	3.3	3.7	7.0	1.0	2.1	3.1
1956	2.3	3.8	6.1	0.9	2.1	3.0
21. Machinery, industrial:						
1948	3.1	6.3	9.4	1.4	3.4	4.8
1949	4.0	7.5	11.5	1.6	3.3	4.9
1950	1.3	3.6	4.9	0.8	2.2	3.0
1951	2.7	4.2	6.9	0.9	3.1	4.0
1952	7.0	8.4	15.4	1.1	3.3	4.4
1953	5.0	7.3	12.3	1.1	3.3	4.4
1954	2.5	7.6	10.1	1.1	3.4	4.5
1955	3.5	6.5	10.0	1.2	3.7	4.9
1956	5.6	10.0	15.6	1.4	5.8	7.2
22. Sheet metal products:						
1948	1.2	2.6	3.8	1.0	2.4	3.4
1949	1.5	2.6	4.1	1.0	2.5	3.5
1950	1.5	2.9	4.4	1.2	2.1	3.3
1951	3.5	3.9	7.4	1.0	3.1	4.1
1952	1.6	3.2	4.8	0.9	3.0	3.9
1953	2.2	4.2	6.4	0.8	3.1	3.9
1954	1.9	4.6	6.5	0.8	3.4	4.2
1955	1.5	5.8	7.3	0.8	3.7	4.5
1956	2.8	6.6	9.4	1.1	3.9	5.0
23. Clothing, women's, factory:						
1948	0.6	1.7	2.3	0.3	0.9	1.2
1949	0.7	1.8	2.5	0.2	0.8	1.0
1950	0.1	1.1	1.2	0.1	0.6	0.7
1951	0.7	0.9	1.6	0.1	0.6	0.7
1952	0.5	1.2	1.7	0.1	0.6	0.7
1953	—	1.3	1.3	0.1	0.5	0.6
1954	0.1	1.0	1.1	0.1	0.6	0.7
1955	0.1	1.2	1.3	0.2	0.6	0.8
1956	—	1.3	1.3	—	0.7	0.7
24. Cotton yarn and cloth:						
1948	1.9	8.9	10.8	1.4	4.5	5.9
1949	1.8	7.1	8.9	1.7	4.2	5.9
1950	2.0	8.1	10.1	1.5	4.9	6.4
1951	2.9	9.1	12.0	1.6	5.4	7.0
1952	1.9	6.6	8.5	1.7	5.6	7.3
1953	0.9	3.3	4.2	1.2	5.6	6.8
1954	0.4	1.6	2.0	1.0	4.8	5.8
1955	1.5	4.9	6.4	1.0	5.3	6.3
1956	2.7	9.5	12.2	1.7	5.4	7.1
25. Fruit and vegetable preparations:						
1948	1.6	3.8	5.4	0.8	3.0	3.8
1949	0.8	2.2	3.0	0.5	2.3	2.8
1950	0.9	1.6	2.5	0.6	2.3	2.9
1951	1.4	2.9	4.3	0.9	3.2	4.1
1952	1.0	2.8	3.8	1.0	3.2	4.2
1953	0.6	2.7	3.3	0.8	3.4	4.2
1954	1.4	4.0	5.4	0.9	3.9	4.8
1955	2.9	4.5	7.4	0.9	4.0	4.9
1956	2.2	5.2	7.4	1.0	4.0	5.0

¹ Not available.

Subsection 2. Value of Manufacturing Inventory

As explained in the section on Capital Employed, the collection of statistics on capital investment by manufacturers was discontinued in 1944. This was replaced by the collection annually of expenditure statistics on fixed capital, repairs and maintenance from all large manufacturers, with estimates being made for the smaller establishments. As a result of this change no information was available on investment in inventory. Before long, however, the need for this information became apparent. Consequently, beginning with 1949, calendar year-end inventory values were collected separately from all manufacturing plants with an annual gross value of production of \$50,000 or over. These values are inflated to a total by estimating for small firms in each industry on the basis of the gross value-inventory ratio of reporting firms.

Commencing with 1954 questions on inventory were put back on the forms used in the annual survey of manufactures. As a result, all establishments with shipments of \$50,000 or more were required to give this information. As in the case of the calendar year-end series, estimates for establishments with shipments of under \$50,000 were made on the same basis. By comparing the two series for 1954 it was found that they differed slightly. This is mainly due to the difference in time of reporting this information. In the first series the figures refer to the end of December while in the second they refer to the company year which in a number of cases might be anywhere from the end of January to the end of June. The figures in the first series are accordingly higher by 3.6 p.c. This is due to the desire of most companies to have as low an inventory as pos-

sible at the end of their financial year. When the financial year is other than the calendar year they could and usually do report a higher figure for December than they do for the end of their financial year which is reported in the second series.

It should be noted that the calendar year-end values as shown in the table below are not strictly comparable with those published in previous general reviews on manufacturing, since the series previously published has been reduced by the entire value of inventories held but not owned, i.e. held under progress payments arrangements. The deduction was made from the goods in process component. In previous reviews an item of total inventory holdings was shown separately, but no attempt was made to assign it to any specific component. While the assumption that all such inventory is part of goods in process is not strictly true, it is nevertheless a fairly good working approximation.

Company year-end inventory in 1956 totalled \$3,871,500,000, of which amount \$1,877,000,000 was raw materials and supplies, \$785,800,000 goods in process and \$1,208,700,000 finished goods. The iron and steel group with \$675.0 million reported the highest inventory of any group. Foods and beverages with \$576.2 million came second, followed by transportation equipment with \$302.7 million, paper products \$302.1 million, wood products \$279.7 million, electrical apparatus and supplies \$264.1 million, non-ferrous metal products \$251.2 million, chemicals and allied products \$243.6 million, etc.

TABLE 25. Value of Manufacturing Inventory Held at Plant or Plant Warehouse, Exclusive of Goods Purchased for Resale Without Further Processing, 1949-56¹

Year, province and industrial group	Total inventory	Raw materials and supplies	Goods in process	Finished goods
	\$'000,000			
1949	2,333.0	N.A.	N.A.	N.A.
1950	2,638.0	1,448.0	472.0	718.0
1951	3,390.0	1,781.0	610.0	999.0
1952 ²	3,350.0	1,817.0	568.0	965.0
1953 ²	3,519.0	1,830.0	613.0	1,076.0
1954	3,212.2	1,592.5	608.6	1,011.1
1955	3,409.0	1,670.4	706.4	1,032.2
Province				
Newfoundland	30.0	20.2	1.0	8.8
Prince Edward Island	2.2	.9	.1	1.2
Nova Scotia	66.3	29.5	15.8	21.0
New Brunswick	50.9	34.3	4.6	12.0
Quebec	1,188.0	625.5	237.7	324.8
Ontario	1,960.0	892.9	452.4	614.7
Manitoba	97.9	54.1	11.1	32.7
Saskatchewan	38.7	18.2	2.5	18.0
Alberta	105.9	44.1	13.2	48.6
British Columbia	330.8	157.0	47.4	126.4
Yukon and Northwest Territories8	.3		.5
Canada, 1956	3,871.5	1,877.0	785.8	1,208.7
Industrial group				
Foods and beverages	576.2	198.6	131.8	245.8
Tobacco and tobacco products	92.6	62.9	3.5	26.2
Rubber products	64.2	21.8	9.0	33.4
Leather products	54.0	25.4	10.3	18.3
Textiles	186.4	75.9	43.3	67.2
Knitting mills	41.0	11.7	12.0	17.3
Clothing	134.6	75.6	17.5	41.5
Wood products	279.7	153.5	35.2	91.0
Paper products	302.1	245.6	11.5	45.0
Printing, publishing and allied industries	49.2	29.1	12.9	7.2
Iron and steel products	675.0	332.2	170.8	172.0
Transportation equipment	302.7	137.5	127.7	37.5
Non-ferrous metal products	251.2	147.2	49.0	55.0
Electrical apparatus and supplies	264.1	88.5	75.9	99.7
Non-metallic mineral products	84.8	46.8	7.2	30.8
Products of petroleum and coal	199.4	61.6	18.5	119.3
Chemicals and allied products	243.6	130.2	34.3	79.1
Miscellaneous industries	70.7	32.9	15.4	22.4

¹ The opening inventory for 1956 differs from the closing inventory of 1955 because of the receipt of revised data, the inclusion of new firms and the removal of figures for firms that did not operate during 1956.

² Revised.

³ Less than \$50,000.

Subsection 3. Employment in Manufacturing Industries

Monthly Record of Employment.—Ordinarily, manufacturing employment in Canada reaches its highest point during the summer months. Some of the seasonal industries, such as canning, are most active then, textile industries are preparing winter goods, and industry generally feels the active demand of the agricultural purchasing power resulting from the prospect of the season's harvest.

After the setback of 1929, employment in 1930, 1931, 1932 and the first half of 1933 declined steadily, the monthly employment figures in each case being lower than the corresponding month of the previous year. The peak of employment in June, 1929, when 575,693 production workers were on the payrolls, was surpassed in September, 1937, with 582,305 production workers. After the outbreak of war the improvement in employment became increasingly rapid. A record high was reached in August, 1943, when 1,067,890 production workers were employed, an increase of 96.4 p.c. over the same month in 1939. The highest employment during 1944 occurred in June when 1,049,557 production workers were employed. From then on employment declined steadily to the end of 1945 when 819,619 production workers were reported. At the end of 1951 there were 953,952 production workers employed, compared with an employment of 961,820 production workers in December, 1944, and 1,021,630 in December, 1943.

During the first half of 1952 the number of production workers increased each month, but not to the extent of the employment in the same month of the previous year. From the middle of the year monthly employment figures exceeded those of the previous year. This trend continued to October 1953. The trend for the next two months was downward so that by the end of 1953 there were only 990,611 production workers as compared with 1,018,764 at the end of December 1952.

The minor recession experienced in 1954 is reflected in the monthly employment figures, the number employed each month being lower than the corresponding month of the previous year, although there was the usual upturn during the summer months. Employment at the end of December at 932,786 was at the lowest level since 1949 when 906,851 persons were employed. December 1952 with 1,018,764 production workers had the highest year-end figures during this period.

The downward trend of 1954 continued until the end of April 1955. From then on, the monthly employment figures were consistently higher than the corresponding months of the previous year, so that by the end of December 1956 production workers totalled 1,025,860 as compared with 993,215 the year before and 932,786 at the end of December 1954.

TABLE 26. Production Workers Employed in the Manufacturing Industries, by Months and Sex, Significant Years, 1922-56

Month	1922	1929	1933	1939	1943	1949	1954	1956
All wage-earners								
January	324,257	502,644	340,027	490,337	1,023,261	928,077	979,801	990,858
February	336,729	519,423	347,777	496,160	1,030,878	932,356	985,063	1,011,489
March	349,110	536,866	355,888	503,475	1,036,648	937,714	989,350	1,028,336
April	360,248	555,711	358,759	509,739	1,033,748	944,307	988,374	1,034,891
May	382,504	574,905	377,659	530,864	983,058	961,137	1,000,313	1,057,380
June	393,935	575,693	392,196	531,245	1,058,645	973,324	1,011,718	1,084,930
July	391,186	573,554	393,464	529,575	1,056,975	964,813	1,008,963	1,084,032
August	389,511	567,022	402,249	543,605	1,067,890	975,114	1,008,332	1,072,795
September	392,423	564,796	410,954	562,355	1,066,595	970,324	1,004,246	1,082,923
October	385,262	553,338	405,757	568,564	1,053,486	951,017	986,369	1,076,887
November	378,992	527,213	396,384	563,117	1,049,738	934,576	961,505	1,064,177
December	367,724	499,893	380,612	544,817	1,021,630	906,851	932,786	1,025,860
Male								
January	243,682	397,459	257,445	381,997	751,269	716,005	775,348	782,169
February	253,178	410,865	260,728	385,955	755,181	719,374	778,646	798,973
March	263,849	426,713	267,259	391,623	757,702	725,953	782,905	814,031
April	274,821	443,560	271,348	398,982	755,888	732,906	784,744	821,457
May	294,095	459,783	285,705	416,963	764,158	747,614	795,664	842,139
June	304,395	460,294	296,937	417,975	776,003	757,575	804,702	864,576
July	304,020	459,051	300,329	417,987	779,687	750,579	802,063	863,619
August	301,234	449,721	302,969	421,895	777,733	747,518	790,269	842,221
September	298,918	441,510	304,908	431,509	767,043	739,768	781,256	845,207
October	291,973	432,576	301,315	437,220	754,484	725,853	769,127	844,500
November	286,511	412,114	294,945	432,920	753,211	715,188	749,863	836,567
December	277,854	391,903	285,690	422,538	738,073	700,141	736,203	814,873
Female								
January	80,575	105,185	82,582	108,340	271,992	212,072	204,453	208,669
February	83,551	108,558	87,049	110,205	275,697	212,982	206,417	212,516
March	85,261	110,153	88,629	111,852	278,946	211,761	206,445	214,305
April	85,427	112,142	87,411	110,757	277,860	211,401	203,630	213,434
May	88,409	115,122	91,954	113,901	218,900	213,523	204,649	215,241
June	89,540	115,399	95,259	113,270	282,642	215,749	207,016	220,354
July	87,166	114,503	93,135	111,588	277,288	214,234	206,900	220,413
August	88,277	117,301	99,280	121,710	290,157	227,596	218,063	230,574
September	93,505	123,286	106,046	130,846	299,552	230,556	222,990	237,716
October	93,289	120,762	104,442	131,344	209,002	225,164	217,242	232,387
November	92,481	115,099	101,439	130,197	296,527	219,388	211,642	227,610
December	89,870	107,990	94,922	122,279	283,557	206,710	196,583	210,987

TABLE 27. Production Workers Employed in Manufacturing Industries, by Months, Sex and Provinces,
1955 and 1956

Province and month	1956			1955		
	Male	Female	Total	Male	Female	Total
	number					
Newfoundland:						
January	6,470	934	7,404	6,031	941	6,972
February	6,482	946	7,428	5,826	1,016	6,842
March	6,417	911	7,328	6,248	1,003	7,251
April	6,755	935	7,690	6,797	1,034	7,831
May	7,394	1,024	8,418	7,074	1,251	8,325
June	8,021	1,299	9,320	7,705	1,379	9,084
July	8,222	1,408	9,630	7,909	1,465	9,374
August	8,255	1,328	9,583	7,948	1,527	9,475
September	7,985	1,250	9,235	7,515	1,435	8,950
October	7,532	1,149	8,681	7,411	1,408	8,819
November	6,953	1,009	7,962	6,827	1,235	8,062
December	6,173	914	7,087	6,243	921	7,164
Prince Edward Island:						
January	604	167	771	638	188	826
February	601	153	754	653	180	833
March	619	187	806	653	115	768
April	839	162	1,001	918	145	1,063
May	1,275	758	2,033	1,335	677	2,012
June	1,225	756	1,981	1,257	612	1,869
July	1,127	553	1,680	1,171	598	1,769
August	1,226	609	1,835	1,214	524	1,738
September	1,073	554	1,627	1,114	439	1,553
October	934	411	1,345	948	324	1,272
November	868	386	1,254	845	274	1,119
December	704	269	973	695	209	904
Nova Scotia:						
January	20,402	2,978	23,380	19,379	2,925	22,304
February	21,057	3,060	24,117	19,679	2,868	22,547
March	21,105	3,065	24,170	20,206	2,871	23,077
April	21,341	3,090	24,431	21,899	3,096	24,995
May	23,931	3,721	27,652	23,226	3,657	26,883
June	24,673	3,796	28,469	23,692	3,781	27,473
July	23,141	3,579	26,720	23,588	3,602	27,190
August	24,221	4,042	28,263	23,179	3,678	26,857
September	23,268	3,830	27,098	22,958	3,643	26,601
October	22,967	3,927	26,894	22,512	3,645	26,157
November	22,394	3,744	26,138	22,109	3,380	25,489
December	21,087	3,458	24,545	21,526	3,265	24,791
New Brunswick:						
January	14,970	2,365	17,335	14,009	2,013	16,022
February	21,057	3,060	24,117	14,513	1,985	16,498
March	21,105	3,065	24,170	14,761	2,210	16,971
April	21,341	3,090	24,431	15,205	2,368	17,573
May	23,931	3,721	27,652	16,836	3,394	20,230
June	24,673	3,796	28,469	17,470	3,922	21,392
July	23,141	3,579	26,720	17,563	3,444	21,007
August	24,221	4,042	28,263	17,570	4,187	21,757
September	23,268	3,830	27,098	16,837	3,909	20,746
October	22,967	3,927	26,894	16,166	3,347	19,513
November	22,394	3,744	26,138	15,170	2,637	17,807
December	21,087	3,458	24,545	14,579	2,093	16,672
Quebec:						
January	243,629	91,922	335,551	230,878	87,772	318,650
February	245,267	93,804	339,071	234,186	89,577	323,763
March	248,244	94,041	342,285	236,444	89,864	326,308
April	252,122	93,071	345,193	241,416	89,314	330,730
May	257,145	92,054	349,199	250,137	89,859	339,996
June	267,592	93,412	361,004	256,146	90,306	346,452
July	267,152	93,062	360,214	256,689	90,475	347,164
August	269,027	96,780	365,807	258,393	95,638	354,031
September	265,988	97,824	363,812	255,853	97,061	352,914
October	261,802	97,184	358,986	254,892	96,831	351,723
November	258,358	95,966	354,324	251,528	95,733	347,261
December	251,207	90,991	342,198	245,415	91,020	336,435
Ontario:						
January	366,788	90,935	457,723	347,654	86,503	434,157
February	378,984	92,421	471,405	360,856	87,491	448,347
March	389,393	93,460	482,853	366,442	88,278	454,720
April	394,443	93,237	487,680	372,614	86,988	459,602
May	400,227	93,225	493,452	380,132	87,628	467,760
June	405,889	95,078	500,967	388,391	91,756	480,147
July	403,460	94,045	497,505	384,233	90,320	474,553
August	379,689	98,209	477,898	384,751	100,413	485,164
September	390,174	106,042	496,216	385,133	104,269	489,402
October	397,632	103,668	501,300	373,207	101,577	474,784
November	397,233	102,847	500,080	371,941	100,493	472,434
December	389,944	93,856	483,800	367,275	91,373	458,648

TABLE 27. Production Workers Employed in Manufacturing Industries, by Months, Sex and Provinces, 1955 and 1956 - Concluded

Province and month	1956			1955		
	Male	Female	Total	Male	Female	Total
	number					
Manitoba:						
January	25,239	7,368	32,607	23,660	7,330	30,990
February	25,425	7,575	33,000	23,718	7,353	31,071
March	25,622	7,643	33,265	23,759	7,294	31,053
April	25,603	7,552	33,155	24,019	7,262	31,281
May	26,260	7,511	33,771	24,528	7,175	31,703
June	26,912	7,748	34,660	25,109	7,429	32,538
July	27,092	7,657	34,749	25,765	7,489	33,254
August	26,920	8,094	35,014	26,127	7,778	33,905
September	26,916	8,051	34,967	26,210	7,928	34,138
October	26,727	7,983	34,710	26,352	8,005	34,357
November	26,088	7,485	33,573	26,117	7,664	33,781
December	25,464	7,024	32,488	25,525	7,187	32,712
Saskatchewan:						
January	6,996	887	7,883	7,049	880	7,929
February	7,046	871	7,917	7,162	878	8,040
March	7,087	905	7,992	7,142	877	8,019
April	6,972	927	7,899	7,091	906	7,997
May	7,338	1,019	8,357	7,344	953	8,297
June	7,833	1,056	8,889	7,628	1,033	8,661
July	7,945	1,065	9,010	7,696	1,061	8,757
August	7,962	1,085	9,047	7,588	1,075	8,663
September	7,678	1,051	8,729	7,257	1,020	8,277
October	7,510	1,027	8,537	7,050	1,012	8,062
November	7,394	1,041	8,435	7,153	1,012	8,165
December	7,267	962	8,229	6,908	914	7,822
Alberta:						
January	24,254	3,233	27,487	22,762	3,085	25,847
February	24,669	3,304	27,973	22,942	3,098	26,040
March	24,967	3,409	28,376	22,946	3,169	26,115
April	22,561	3,440	26,001	20,834	3,096	23,930
May	22,831	3,656	26,487	21,351	3,290	24,641
June	23,829	3,724	27,552	22,458	3,451	25,909
July	24,396	3,952	28,348	23,413	3,930	27,343
August	24,385	4,061	28,446	23,508	4,007	27,515
September	24,119	4,105	28,224	23,272	3,867	27,139
October	23,921	3,748	27,669	23,153	3,538	26,691
November	24,835	3,641	28,476	24,098	3,539	27,637
December	25,229	3,541	28,770	24,658	3,448	28,106
British Columbia:						
January	72,743	7,864	80,607	67,599	7,354	74,953
February	74,088	7,912	82,000	68,072	7,465	75,537
March	75,442	8,204	83,646	70,439	7,663	78,102
April	75,374	8,384	83,758	70,243	7,870	78,113
May	78,505	8,661	87,166	72,852	8,343	81,195
June	80,687	9,565	90,252	76,235	9,147	85,382
July	83,241	11,496	94,737	78,007	10,970	88,977
August	83,137	12,226	95,363	79,078	12,546	91,624
September	81,412	11,475	92,887	77,974	11,275	89,249
October	79,608	10,236	89,844	76,582	10,105	86,687
November	77,185	9,064	86,249	74,581	9,280	83,861
December	73,579	7,963	81,542	71,947	7,925	79,872
Yukon and Northwest Territories:						
January	94	16	110	46	7	53
February	99	17	116	66	10	76
March	88	17	105	71	11	82
April	108	19	127	112	15	127
May	128	19	147	97	15	112
June	162	20	182	148	17	165
July	182	22	204	174	19	193
August	132	20	152	182	21	203
September	92	19	111	144	19	163
October	87	19	106	120	17	137
November	74	18	92	85	15	100
December	69	16	85	72	17	89

TABLE 28. Production Workers Employed in the Manufacturing Industries, by Months, Sex, and Industrial Groups, 1955 and 1956

Group and month	1956			1955		
	Male	Female	Total	Male	Female	Total
	number					
Foods and beverages:						
January	97,821	29,342	127,163	96,278	28,391	124,669
February	97,439	29,550	126,989	95,650	28,046	123,696
March	98,309	30,439	128,748	96,261	28,309	124,570
April	101,678	31,444	133,122	100,847	29,649	130,496
May	107,844	35,104	142,948	106,812	34,129	140,941
June	114,278	39,442	153,720	114,923	39,319	154,242
July	118,758	42,414	161,172	117,750	40,917	158,667
August	119,867	46,979	166,846	120,621	51,599	172,220
September	117,868	50,670	168,538	116,292	48,713	165,005
October	111,930	43,649	155,579	111,454	42,238	153,692
November	107,789	38,904	146,693	107,437	38,025	145,462
December	102,008	31,534	133,542	100,672	29,659	130,331
Tobacco and tobacco products:						
January	4,124	5,874	9,998	4,557	6,058	10,615
February	3,827	5,879	9,706	4,010	5,701	9,711
March	3,356	5,446	8,802	3,834	5,622	9,456
April	2,715	4,394	7,109	2,921	4,544	7,465
May	2,700	4,568	7,268	2,652	4,480	7,132
June	2,729	4,651	7,380	2,678	4,668	7,346
July	2,698	4,645	7,343	2,633	4,517	7,150
August	2,751	4,731	7,482	2,696	4,539	7,235
September	2,874	4,746	7,620	2,788	4,426	7,214
October	2,771	4,727	7,498	2,829	4,679	7,508
November	3,978	6,536	10,514	3,946	5,954	9,900
December	4,016	5,966	9,982	3,777	5,196	8,973
Rubber products:						
January	13,500	3,509	17,009	12,101	3,397	15,498
February	13,359	3,632	16,991	12,422	3,519	15,941
March	13,377	3,559	16,936	12,465	3,507	15,972
April	13,462	3,605	17,067	12,591	3,635	16,226
May	13,635	3,673	17,308	12,732	3,724	16,456
June	13,818	3,839	17,657	12,854	3,774	16,628
July	13,730	3,750	17,480	12,872	3,791	16,663
August	14,076	4,015	18,091	13,329	4,045	17,374
September	14,118	4,071	18,189	13,620	4,174	17,794
October	14,294	4,093	18,387	13,700	4,185	17,885
November	14,258	4,066	18,324	13,687	3,881	17,568
December	13,925	3,791	17,716	13,410	3,570	16,980
Leather products:						
January	15,350	11,765	27,115	14,676	11,048	25,724
February	15,550	12,172	27,722	14,954	11,491	26,445
March	15,604	12,284	27,888	15,142	11,586	26,728
April	15,383	12,019	27,402	14,937	11,383	26,320
May	15,248	11,805	27,053	14,875	11,153	26,028
June	15,170	11,767	26,937	15,094	11,254	26,348
July	15,195	12,005	27,200	15,022	11,442	26,464
August	15,407	12,397	27,804	15,284	11,896	27,180
September	15,228	12,311	27,539	15,403	11,891	27,294
October	15,083	12,193	27,276	15,497	11,792	27,289
November	15,181	12,135	27,316	15,701	11,762	27,463
December	14,890	11,679	26,569	15,503	11,580	27,083
Textile products (except clothing):						
January	36,895	21,385	58,280	33,464	19,615	53,079
February	37,227	21,494	58,721	34,965	20,130	55,095
March	37,126	21,340	58,466	35,081	20,368	55,449
April	36,106	21,063	57,169	35,255	20,264	55,519
May	32,801	19,986	52,787	35,498	20,400	55,898
June	36,983	21,399	58,382	35,431	20,428	55,859
July	36,119	20,821	56,940	35,641	20,096	55,737
August	36,241	21,052	57,293	36,126	20,531	56,657
September	36,050	21,419	57,469	36,741	21,512	58,253
October	36,362	21,479	57,841	37,117	21,752	58,869
November	36,860	21,992	58,852	37,197	21,666	58,863
December	36,403	21,112	57,515	36,851	21,049	57,900
Clothing:						
January	21,536	55,972	77,508	22,020	54,054	76,074
February	21,965	57,602	79,567	22,400	55,601	78,001
March	21,888	57,812	79,700	22,425	56,203	78,628
April	21,429	56,960	78,389	22,050	55,327	77,377
May	20,997	55,941	76,938	21,351	54,554	75,905
June	20,907	55,205	76,112	21,357	54,182	75,539
July	21,403	54,276	75,679	21,787	53,242	75,029
August	21,977	56,860	78,837	22,490	56,475	78,965
September	22,067	57,966	80,033	22,488	58,375	80,863
October	22,058	58,278	80,336	22,330	58,357	80,687
November	21,476	56,894	78,370	21,751	57,409	79,160
December	21,118	53,890	75,008	21,477	54,987	76,464

TABLE 28. Production Workers Employed in the Manufacturing Industries, by Months, Sex and Industrial Groups, 1955 and 1956 — Continued

Group and month	1956			1955		
	Male	Female	Total	Male	Female	Total
	number					
Knitting mills:						
January	6,337	13,378	19,715	6,348	12,271	18,619
February	6,380	13,611	19,991	6,423	12,552	18,975
March	6,382	13,730	20,112	6,236	12,366	18,602
April	6,242	13,493	19,735	6,061	12,099	18,160
May	6,223	13,404	19,627	6,232	11,987	18,219
June	6,133	13,356	19,489	6,252	12,099	18,351
July	5,920	12,941	18,861	6,397	12,133	18,530
August	6,109	13,353	19,462	6,473	12,889	19,362
September	5,707	13,241	18,948	6,597	13,362	19,959
October	5,821	13,544	19,365	6,401	13,325	19,726
November	5,757	13,582	19,339	6,502	13,581	20,083
December	5,907	13,434	19,341	6,515	13,236	19,751
Wood products:						
January	97,163	5,419	102,582	91,538	5,003	96,541
February	99,751	5,563	105,314	93,362	5,158	98,520
March	102,100	5,672	107,772	97,039	5,186	102,225
April	101,160	5,629	106,789	99,011	5,218	104,229
May	110,941	5,804	116,745	109,437	5,363	114,800
June	116,245	5,923	122,168	115,191	5,535	120,726
July	116,033	5,877	121,910	113,658	5,501	119,159
August	113,339	6,016	119,355	111,865	5,580	117,445
September	108,843	5,955	114,798	107,848	5,648	113,496
October	104,299	6,042	110,341	103,578	5,702	109,280
November	99,155	6,022	105,177	98,982	5,621	104,603
December	92,821	5,694	98,515	94,949	5,464	100,413
Paper products:						
January	64,662	8,056	72,718	61,794	7,579	69,373
February	64,906	8,103	73,009	61,904	7,639	69,543
March	65,147	8,083	73,230	62,502	7,714	70,216
April	66,756	8,259	75,015	63,592	7,704	71,296
May	68,540	8,468	77,008	65,887	7,916	73,803
June	71,006	8,531	79,537	68,433	8,217	76,650
July	71,770	8,536	80,306	69,347	8,229	77,576
August	71,828	8,753	80,581	69,880	8,501	78,381
September	70,540	8,926	79,466	68,617	8,654	77,271
October	69,356	8,857	78,213	67,757	8,729	76,486
November	67,440	8,726	76,166	66,262	8,479	74,741
December	66,207	8,496	74,703	65,448	8,275	73,723
Printing publishing and allied trades:						
January	33,303	8,391	41,694	32,996	8,574	41,570
February	33,433	8,361	41,794	33,005	8,427	41,432
March	33,665	8,386	42,051	33,111	8,421	41,532
April	33,767	8,469	42,236	33,226	8,398	41,624
May	33,898	8,481	42,379	33,187	8,384	41,571
June	34,124	8,601	42,725	33,489	8,563	42,052
July	34,037	8,664	42,701	33,304	8,597	41,901
August	33,846	8,673	42,519	33,252	8,605	41,857
September	34,382	9,111	43,493	33,345	8,775	42,120
October	34,543	9,228	43,771	33,483	8,839	42,322
November	34,664	9,358	44,022	33,741	8,990	42,731
December	34,624	8,752	43,376	33,477	8,539	42,016
Iron and steel products:						
January	139,322	6,688	146,010	122,118	6,357	128,475
February	142,362	6,745	149,107	126,017	6,427	132,444
March	144,658	7,003	151,661	128,496	6,506	135,002
April	146,392	7,112	153,504	130,967	6,632	137,599
May	148,569	7,214	155,783	133,321	6,716	140,037
June	151,093	7,282	158,375	134,792	6,760	141,552
July	150,275	7,194	157,469	135,887	6,693	142,580
August	146,950	7,050	154,000	137,441	6,735	144,176
September	146,612	7,110	153,722	140,145	6,890	147,035
October	149,365	7,245	156,610	140,517	6,991	147,508
November	150,088	7,202	157,290	140,199	7,087	147,286
December	146,572	7,043	153,615	138,848	6,905	145,753
Transportation equipment:						
January	96,043	2,939	98,982	92,611	3,610	96,221
February	104,676	3,831	108,507	102,425	3,984	106,409
March	111,912	4,301	116,213	105,336	4,054	109,390
April	113,143	4,348	117,491	106,283	4,164	110,447
May	112,807	4,161	116,968	105,556	4,267	109,823
June	111,305	3,780	115,085	105,083	4,022	109,105
July	106,725	3,278	110,003	100,492	3,775	104,267
August	87,851	2,898	90,749	95,561	3,152	98,713
September	99,444	3,617	103,061	96,470	3,376	99,846
October	107,792	3,850	111,642	91,499	3,141	94,640
November	110,933	3,861	114,794	94,164	3,210	97,374
December	111,406	3,857	115,263	95,462	3,048	98,510

**TABLE 28. Production Workers Employed in the Manufacturing Industries, by Months, Sex and Industrial Groups,
1955 and 1956 — Concluded**

Group and month	1956			1955		
	Male	Female	Total	Male	Female	Total
	number					
Non-ferrous metal products:						
January	38,636	3,005	41,641	37,524	2,684	40,208
February	38,920	3,052	41,972	37,642	2,707	40,349
March	39,218	3,019	42,237	37,810	2,723	40,533
April	39,810	2,939	42,749	37,840	2,680	40,520
May	41,341	2,962	44,303	38,649	2,641	41,290
June	42,248	2,919	45,167	39,475	2,747	42,222
July	42,308	2,802	45,110	39,828	2,846	42,674
August	42,726	3,048	45,774	40,223	2,996	43,219
September	42,530	3,123	45,653	40,689	3,218	43,907
October	42,130	3,193	45,323	40,372	3,299	43,671
November	41,804	3,079	44,883	40,121	3,244	43,365
December	41,294	2,927	44,221	39,549	3,009	42,558
Electrical apparatus and supplies:						
January	37,006	16,677	53,683	34,524	14,820	49,344
February	38,340	16,354	54,694	34,576	14,619	49,195
March	39,211	16,498	55,709	34,468	14,381	48,849
April	39,037	16,489	55,526	34,541	14,123	48,664
May	39,214	16,335	55,549	34,990	14,233	49,223
June	39,847	16,612	56,459	35,558	14,841	50,399
July	39,827	16,468	56,295	35,017	15,168	50,185
August	40,975	17,438	58,413	36,740	16,702	53,442
September	41,293	17,578	58,871	36,593	18,231	54,824
October	41,777	17,715	59,492	35,608	18,747	54,355
November	41,535	17,373	58,908	35,869	18,450	54,319
December	40,885	16,258	57,143	36,296	17,204	53,500
Non metallic mineral products:						
January	27,739	1,934	29,673	25,179	1,783	26,962
February	27,732	1,975	29,707	25,572	1,832	27,404
March	28,502	1,890	30,392	26,337	1,975	28,312
April	29,886	1,997	31,883	28,045	1,896	29,941
May	31,928	2,097	34,025	29,949	1,998	31,947
June	33,086	2,096	35,182	31,429	2,089	33,518
July	33,342	2,015	35,357	32,525	2,229	34,754
August	32,780	2,008	34,788	33,008	2,173	35,181
September	32,352	1,968	34,320	32,304	2,117	34,421
October	32,112	1,887	33,999	31,923	2,075	33,998
November	30,799	1,880	32,679	30,821	2,111	32,932
December	29,039	1,895	30,934	29,285	2,033	31,318
Products of petroleum and coal:						
January	10,856	67	10,923	10,525	49	10,574
February	10,842	68	10,910	10,631	56	10,687
March	10,916	67	10,983	10,723	57	10,780
April	11,142	68	11,210	10,848	61	10,909
May	11,420	69	11,489	11,127	61	11,188
June	11,663	71	11,734	11,413	63	11,476
July	11,739	71	11,810	11,379	62	11,441
August	11,628	69	11,697	11,404	67	11,471
September	11,335	69	11,404	11,301	63	11,364
October	11,180	68	11,248	11,274	68	11,342
November	11,092	67	11,159	11,195	66	11,261
December	11,006	65	11,071	11,332	67	11,399
Chemicals and allied products:						
January	26,923	5,725	32,648	26,993	5,704	32,697
February	27,053	5,696	32,749	27,142	5,864	33,006
March	27,305	5,788	33,093	27,134	5,808	32,942
April	27,756	5,874	33,630	27,370	5,822	33,192
May	28,288	5,904	34,192	27,781	5,841	33,622
June	28,034	5,816	33,850	27,613	5,777	33,390
July	27,874	5,698	33,572	27,611	5,719	33,330
August	27,709	5,772	33,481	27,762	5,935	33,697
September	27,699	5,783	33,482	27,491	5,903	33,394
October	27,210	5,826	33,036	27,405	6,041	33,446
November	27,366	5,709	33,075	27,215	6,009	33,224
December	26,907	5,468	32,375	26,846	5,686	32,532
Miscellaneous industries:						
January	14,973	8,543	23,516	14,459	7,921	22,380
February	15,211	8,828	24,039	14,573	8,168	22,741
March	15,355	8,988	24,343	14,711	8,569	23,280
April	15,593	9,272	24,865	14,763	8,495	23,258
May	15,745	9,265	25,010	14,876	8,395	23,271
June	15,907	9,064	24,971	15,174	8,495	23,669
July	15,866	8,958	24,824	15,058	8,416	23,474
August	16,181	9,462	25,623	15,383	8,974	24,357
September	16,265	10,052	26,317	15,535	9,537	25,072
October	16,417	10,513	26,930	15,694	9,849	25,543
November	16,392	10,224	26,616	15,664	9,717	25,381
December	15,845	9,126	24,971	15,146	8,865	24,011

Subsection 4. Hours Worked in Manufacturing Industries

Hours Worked by Production Workers.—From 1932, the first year for which figures on hours worked per week by production workers are available, to 1945, each firm was required to report the number of hours worked by all its production workers during the month in which the greatest number had been employed, the only exception being the years 1938 and 1939 when one week in a month of normal employment was reported. In 1938 the number of hours worked per week were compiled by sex, and a change was also made in the analysis of the weekly hours worked. Since 1940 the hours worked per week include overtime while prior to that overtime was excluded. These changes make it impossible to measure accurately the changes in the number of hours worked per week. In any case, the figures in Table 29 do not refer to any particular month, since the month of highest employment might be May for one firm and October for another; they represent the summation of the different months of highest employment as reported by all firms. For a given industry, however, the month of highest employment is more significant as in this case it coincides for a great number of firms engaged in the same industry.

For all production workers, the hours worked per week declined from 48.9 in 1932 to 47.2 in 1939, and reached 50.6 in 1941, some of the increase no doubt being due to the inclusion of overtime. Since then there was a counter movement in the hours worked, especially among females, due to the employment of many workers on a part-time basis. Whereas in 1939 there were only 2.8 p.c. of male and 5.3 p.c. of female production workers working under 30 hours per week, in 1944 these percentages rose to 5.3 and 12.5 respectively. Since the end of the war the normal working week has been dropping steadily. In 1945 average hours per week for male production workers totalled 47.6 and for females 42.7.

The method of collecting statistics on hours worked was changed in 1946. Instead of collecting this information for one week in the month of highest employment which varied

from plant to plant, the last week of November was chosen for the base period. For 1948 and subsequent years the period was changed to the last week in October. The question on hours worked was taken out of the annual schedules used in connection with the census of manufactures and this information is now collected by the Employment Statistics Section. Establishments employing 15 hands or over only are covered. The statistics for 1946 to 1956 are, therefore, not exactly comparable with those for earlier years which include all establishments, both large and small.

On the above basis, the hours worked per week declined for all workers engaged in manufacturing. The hours of male production workers dropped from 44.9 in 1946 to 42.5 in 1956, female production workers from 40.0 to 39.2, male office employees from 42.0 to 39.4 and female office employees from 39.5 to 37.9.

Persons employed in 1950 and 1953 were classified on the basis of earnings per week instead of hours worked. For this reason the distribution of employees by hours worked per week is not available for these years. It is the intention in future to classify employees one year on the basis of hours worked, the second year on the basis of weekly earnings, while in the third year no break-down of either the hours worked or weekly earnings will be collected. Instead a more detailed break-down of salaried employees into (a) managerial and professional and (b) office workers will be requested.

Administrative and office employees as a rule work shorter hours than production workers as the following figures for 1956 indicate.

	Production Workers	Supervisory and Office Employees
Both sexes	41.8	38.9
Male	42.5	39.4
Female	39.2	37.9

TABLE 29. Production Workers in Manufacturing, Working Specified Numbers of Hours per Week in the Month of Highest Employment, 1938-45¹

Note: Hours worked per week in 1934-37 are given at p. 393 of the 1942 edition of the Canada Year Book; in 1940 and 1941 at p. 392 of the 1943-44 edition.

Hours worked per week	1938	1939	1942	1943	1944	1945
per cent						
All production workers:						
30 or less	4.1	3.4	4.3	6.2	7.4	7.4
31-43	16.9	14.6	8.6	10.7	12.7	16.2
44	14.3	13.8	7.7	7.4	9.5	12.1
45-47	11.3	10.9	7.0	8.3	9.1	10.8
48	20.7	22.2	21.4	20.5	20.6	21.4
49-50	10.6	11.2	9.2	9.6	9.8	9.8
51-54	6.7	7.9	12.9	12.5	10.8	8.4
55	3.5	4.1	5.6	5.2	4.4	3.2
56-64	10.4	10.4	16.9	14.6	11.8	7.6
65 or over	1.5	1.5	6.4	5.0	3.9	3.1
	100.0	100.0	100.0	100.0	100.0	100.0
Average hours per week	46.7	47.2	50.2	48.8	47.5	46.2
Male production workers:						
30 or less	3.4	2.8	3.6	4.6	5.3	5.4
31-43	16.6	14.2	7.0	7.9	9.8	13.1
44	13.1	12.7	6.9	6.2	9.0	11.7
45-47	10.5	10.0	5.6	7.2	7.9	9.8
48	21.3	22.8	21.7	21.5	21.5	22.9
49-50	10.0	10.6	8.4	8.8	9.5	10.0
51-54	7.4	8.2	12.6	13.2	11.9	9.5
55	3.6	4.4	5.8	5.7	5.0	3.8
56-64	12.3	12.5	20.4	18.3	15.1	9.7
65 or over	1.8	1.8	8.0	6.6	5.0	4.1
	100.0	100.0	100.0	100.0	100.0	100.0
Average hours per week	47.3	48.1	51.3	50.4	49.1	47.6
Female production workers:						
30 or less	6.7	5.3	6.2	10.0	12.5	12.3
31-43	17.9	15.8	13.0	17.6	20.1	23.8
44	18.3	17.8	9.9	10.3	10.8	13.2
45-47	14.2	13.9	11.1	11.2	12.2	13.2
48	18.8	20.4	20.8	18.2	18.4	17.7
49-50	12.6	13.2	11.5	11.6	10.5	9.1
51-54	4.5	6.6	13.5	10.7	8.2	5.7
55	3.1	3.5	4.9	4.0	2.9	1.9
56-64	3.5	3.2	7.2	5.3	3.4	2.4
65 or over4	.3	1.9	1.1	1.0	.7
	100.0	100.0	100.0	100.0	100.0	100.0
Average hours per week	44.6	45.2	46.9	44.8	43.6	42.7

¹ For 1938 and 1939, the hours worked do not include overtime, while for 1940 to 1945 overtime is included.

TABLE 30. Production Workers in Manufacturing Working Specified Numbers of Hours During the Last Week in October, 1946-55¹

Hours worked per week	1946 ²	1947 ²	1948	1949	1952	1955
	per cent					
All production workers:						
30 or less.....	6.7	6.7	6.1	6.3	6.1	5.9
31-34.....	10.8	2.9	3.0	3.1	3.5	4.1
35-39.....		7.8	8.4	8.5	8.1	8.2
40.....		12.2	13.2	15.3	25.9	32.2
41-43.....	11.5	10.6	10.9	11.1	11.9	11.3
44.....	10.3	8.5	9.3	8.6	6.6	5.9
45-47.....	18.2	18.7	18.9	18.8	13.9	11.5
48.....	13.7	12.9	11.8	10.7	7.6	6.7
49-50.....	6.6	6.5	6.1	5.7	5.0	4.2
51-53.....	5.4	4.3	4.0	3.9	3.6	3.4
54.....		1.3	1.3	1.2	1.3	1.1
55-64.....		6.5	6.0	5.9	5.5	4.7
65 or over.....	0.9	1.1	1.0	0.9	1.0	0.8
	100.0	100.0	100.0	100.0	100.0	100.0
Average hours per week.....	43.7	43.7	43.6	43.3	42.6	42.0
Male production workers:						
30 or less.....	4.7	4.6	4.4	4.3	4.6	4.4
31-34.....	8.0	2.1	2.2	2.3	2.9	3.5
35-39.....		6.1	6.4	6.7	6.6	6.6
40.....		11.9	12.9	15.5	27.3	34.2
41-43.....	10.6	9.2	9.9	10.4	11.3	10.8
44.....	10.7	8.7	9.7	8.8	6.4	5.9
45-47.....	18.8	19.7	19.4	19.2	13.9	11.2
48.....	15.8	15.0	13.9	12.5	8.5	7.5
49-50.....	7.1	7.0	6.6	6.3	5.4	4.5
51-53.....	6.3	4.9	4.6	4.4	3.9	3.6
54.....		1.6	1.5	1.3	1.5	1.3
55-64.....		7.8	7.3	7.1	6.5	5.5
65 or over.....	1.1	1.4	1.2	1.2	1.2	1.0
	100.0	100.0	100.0	100.0	100.0	100.0
Average hours per week.....	44.9	44.9	44.7	44.4	43.4	42.7
Female production workers:						
30 or less.....	13.1	13.7	12.2	12.8	11.9	11.6
31-34.....	19.7	5.5	5.6	5.8	5.9	6.4
35-39.....		13.6	15.0	14.6	13.5	14.1
40.....		13.4	14.1	14.8	20.9	25.1
41-43.....	14.6	15.0	14.5	13.3	13.9	13.1
44.....	8.9	7.8	7.9	7.9	7.4	5.6
45-47.....	16.1	15.9	17.4	17.5	14.2	12.4
48.....	7.1	5.7	5.1	4.5	3.9	3.7
49-50.....	5.0	4.9	4.1	3.9	3.3	3.3
51-53.....	2.5	2.0	2.0	2.3	2.4	2.3
54.....		0.5	0.5	0.5	0.6	0.6
55-64.....		1.9	1.5	2.0	1.9	1.7
65 or over.....	0.1	0.1	0.1	0.1	0.2	0.1
	100.0	100.0	100.0	100.0	100.0	100.0
Average hours per week.....	40.0	39.7	39.8	39.8	39.6	39.4

¹ Classified statistics on hours worked since 1946 are taken from the annual report "Earnings and Hours of Work in Manufacturing", compiled by the Employment Section of the Labour Division of the Bureau. These statistics which are collected every third year cover establishments employing 15 hands or over only.

² Last week in November.

TABLE 31. Average Hours Worked per Week in the Manufacturing Industries of Canada, by Provinces, 1946-56¹
 (Hours worked by wage-earners from 1938 to 1945 are given on page 53 of the 1950 General Review of the Manufacturing Industries of Canada)

Province and Year	Production workers			Administrative and office employees		
	Both sexes	Male	Female	Both sexes	Male	Female
	average hours					
Canada:						
1946	43.7	44.9	40.0	41.1	42.0	39.5
1948	43.6	44.7	39.8	40.3	41.1	38.8
1949	43.3	44.4	39.8	40.1	40.8	38.6
1950	43.5	44.6	40.0	39.7	40.2	38.4
1951	42.0	43.0	37.9	39.5	40.0	38.2
1952	42.6	43.4	39.6	39.4	39.9	38.0
1953	41.7	42.6	38.5	39.0	39.5	37.9
1954	41.5	42.3	38.5	39.0	39.4	37.9
1955	42.0	42.7	39.4	39.1	39.6	37.9
1956	41.8	42.5	39.2	38.9	39.4	37.9
Newfoundland:						
1950	46.9	47.7	41.9	42.6	43.5	39.9
1951	45.5	46.1	40.5	43.0	43.3	42.0
1952	44.1	44.6	40.2	42.7	43.0	41.3
1953	43.2	43.8	37.4	41.8	42.0	41.0
1954	42.8	43.3	38.3	40.7	40.9	39.9
1955	41.5	41.9	38.0	41.4	41.6	40.8
1956	40.9	42.0	33.4	40.8	40.9	40.3
Prince Edward Island:						
1946	46.3	46.9	45.0	—	—	—
1948	45.8	46.7	42.6	—	—	—
1949	47.7	48.1	46.8	—	—	—
1950	44.0	46.0	39.2	41.0	41.0	41.1
1951	45.9	46.4	44.4	43.4	44.3	41.3
1952	45.2	46.1	40.9	41.3	41.7	40.6
1953	45.8	46.2	44.6	40.5	41.0	39.7
1954	45.2	45.8	43.0	40.5	40.8	39.7
1955	44.3	45.1	42.0	41.0	41.3	40.4
1956	44.7	45.8	41.8	40.8	41.2	40.1
Nova Scotia:						
1946	45.7	46.0	43.6	43.1	44.1	40.7
1948	45.8	46.0	44.5	41.7	42.4	39.9
1949	44.5	44.8	42.6	40.5	40.9	39.6
1950	44.8	45.0	43.7	40.8	41.0	40.1
1951	43.3	43.4	42.9	41.7	42.3	40.2
1952	42.4	42.4	42.5	42.3	43.2	39.8
1953	41.6	41.7	41.2	40.5	40.9	39.2
1954	41.1	41.4	39.3	40.8	41.6	38.6
1955	41.4	41.6	39.9	41.1	42.0	38.4
1956	41.3	41.3	41.0	40.5	41.3	38.3
New Brunswick:						
1946	46.0	46.7	42.9	43.2	44.3	40.9
1948	46.1	47.0	41.9	42.7	43.8	40.4
1949	45.4	46.9	41.3	42.8	43.8	40.6
1950	45.0	46.3	39.3	42.0	43.0	39.6
1951	44.3	45.5	39.1	41.8	42.6	40.1
1952	44.1	44.8	40.8	41.5	42.2	39.5
1953	42.7	43.8	37.0	40.9	41.1	40.6
1954	42.6	43.3	37.6	40.3	40.9	38.9
1955	43.2	43.9	39.0	40.5	41.3	38.2
1956	43.7	44.3	40.4	40.7	41.5	38.4
Quebec:						
1946	45.4	47.1	41.2	41.5	42.5	39.6
1948	45.2	46.8	40.9	40.6	41.4	39.0
1949	44.5	46.3	40.2	40.4	41.1	38.8
1950	44.9	46.7	40.6	39.8	40.5	38.4
1951	43.0	44.8	37.8	39.7	40.3	38.1
1952	44.0	45.5	40.1	39.5	40.0	38.2
1953	42.8	44.4	38.5	39.2	39.7	37.9
1954	42.3	43.7	38.7	39.0	39.4	37.8
1955	43.3	44.7	39.8	39.2	39.7	37.9
1956	43.2	44.5	39.7	39.0	39.4	37.8

See footnote at end of table.

**TABLE 31. Average Hours Worked per Week in the Manufacturing Industries of Canada
by Provinces, 1946-56¹—Concluded**

Province and Year	Production workers			Administrative and office employees		
	Both sexes	Male	Female	Both sexes	Male	Female
	average hours					
Ontario:						
1946	42.8	44.0	38.8	40.5	41.3	39.2
1948	42.9	43.9	38.9	39.8	40.6	38.4
1949	42.8	43.8	39.4	39.7	40.4	38.3
1950	43.0	44.0	39.5	39.3	39.8	38.1
1951	41.6	42.4	37.9	39.0	39.5	37.9
1952	42.1	42.8	39.3	39.0	39.6	37.7
1953	41.4	42.0	38.7	38.7	39.2	37.6
1954	41.2	41.8	38.6	38.8	39.2	37.7
1955	41.6	42.1	39.3	38.9	39.3	37.8
1956	41.3	41.9	39.1	38.7	39.1	37.7
Manitoba:						
1946	42.8	43.8	39.6	42.7	43.3	41.1
1948	43.1	44.1	39.6	41.8	42.5	40.4
1949	43.4	44.5	39.7	41.3	41.9	39.9
1950	43.6	44.6	40.0	40.9	41.3	39.8
1951	41.6	42.4	38.4	40.3	40.5	39.6
1952	41.6	42.2	39.7	39.9	40.4	38.5
1953	40.9	41.7	37.9	39.9	40.2	38.8
1954	41.2	41.9	38.7	39.3	39.7	38.0
1955	41.6	42.3	39.1	39.6	40.1	38.2
1956	41.2	41.7	39.3	39.4	39.9	38.1
Saskatchewan:						
1946	44.0	44.3	41.2	42.9	43.7	41.3
1948	43.0	43.6	39.0	41.9	42.4	41.1
1949	42.4	42.9	39.2	42.2	42.7	41.1
1950	42.4	42.8	39.1	42.1	42.5	41.3
1951	41.4	41.8	38.6	41.3	41.6	40.9
1952	41.4	41.8	38.9	41.5	42.0	40.3
1953	41.2	41.6	37.8	40.7	41.3	39.4
1954	41.5	42.3	35.8	40.5	40.6	40.1
1955	41.4	42.1	36.5	40.4	40.7	39.6
1956	40.7	41.2	37.3	40.2	40.5	39.5
Alberta:						
1946	43.2	43.5	41.6	42.9	43.6	41.5
1948	43.3	43.8	40.7	42.5	43.2	40.7
1949	43.5	43.9	40.7	42.2	42.8	40.6
1950	42.6	43.0	39.7	41.3	41.7	39.8
1951	41.3	41.6	38.6	41.3	41.6	40.3
1952	41.4	42.0	38.2	40.5	40.9	39.4
1953	41.2	41.7	38.1	40.0	40.4	38.8
1954	41.4	42.1	36.6	40.2	40.5	39.2
1955	41.3	41.8	37.9	39.9	40.4	38.6
1956	41.1	41.4	38.6	40.0	40.3	38.9
British Columbia:						
1946	41.2	41.5	39.2	41.9	42.4	40.6
1948	40.3	40.6	38.0	40.6	41.0	39.5
1949	40.1	40.5	37.2	40.4	40.7	39.6
1950	40.2	40.5	37.8	39.9	40.2	39.0
1951	39.1	39.5	35.9	40.0	40.2	39.1
1952	39.3	39.7	36.2	39.6	40.0	38.3
1953	39.5	39.8	36.4	39.4	39.7	38.4
1954	39.6	40.0	35.6	39.3	39.7	38.2
1955	39.6	39.9	36.4	39.4	39.8	38.2
1956	39.5	39.8	36.5	39.2	39.4	38.3

¹ Statistics on hours worked since 1946 are taken from the annual report "Earnings and Hours of Work in Manufacturing", compiled by the Employment Section of the Labour Division of the Bureau. These statistics cover establishments employing 15 hands or over only. For 1946 and 1947 they refer to the last week in November and for 1948 to 1956 to the last week in October.

TABLE 32. Average Hours Worked per Week in the Manufacturing Industries of Canada, by Industrial Group, 1946-56¹

Group and year	Production workers			Administrative and office employees		
	Both sexes	Male	Female	Both sexes	Male	Female
	average hours					
Foods and beverages:						
1946	43.9	45.7	38.8	42.2	43.2	40.3
1948	44.0	45.9	38.8	41.4	42.4	39.4
1949	44.3	46.2	39.4	41.2	42.1	39.4
1950	43.8	45.7	39.0	40.9	41.5	39.3
1951	43.4	45.0	39.0	40.5	41.1	39.1
1952	43.1	44.7	39.1	40.5	41.1	38.7
1953	42.6	44.1	38.8	40.0	40.6	38.4
1954	41.8	43.3	37.9	39.7	40.2	38.4
1955	42.0	43.5	38.2	39.9	40.6	38.2
1956	41.8	43.2	38.6	39.8	40.4	38.2
Tobacco and tobacco products:						
1946	42.9	45.6	41.4	41.3	42.1	40.4
1948	42.5	45.0	41.2	40.2	40.8	39.3
1949	43.6	45.6	42.6	40.0	40.5	39.2
1950	41.5	43.0	40.7	38.4	38.6	37.9
1951	41.5	43.8	40.0	37.3	37.5	36.8
1952	40.8	42.6	39.7	37.5	37.7	37.2
1953	40.5	41.8	39.7	37.3	37.4	37.2
1954	40.5	42.1	39.5	37.6	37.8	37.2
1955	40.3	41.4	39.7	37.8	38.0	37.3
1956	39.4	41.5	38.2	37.8	37.9	37.6
Rubber products:						
1946	44.8	45.6	42.3	40.4	40.9	39.2
1948	43.4	44.3	40.8	39.2	39.7	38.2
1949	42.3	42.8	40.9	39.2	39.7	38.2
1950	43.6	44.2	41.8	39.6	40.1	38.5
1951	41.4	42.0	39.5	38.3	38.4	38.0
1952	42.3	42.8	40.6	38.7	39.1	37.9
1953	41.4	42.3	38.6	38.9	39.1	38.2
1954	41.6	42.0	40.0	39.1	39.4	38.2
1955	43.0	43.6	40.8	38.9	39.2	38.3
1956	42.4	43.1	39.9	38.8	39.1	38.1
Leather products:						
1946	42.5	43.9	40.6	43.1	44.5	40.3
1948	41.0	42.0	39.5	41.4	42.5	39.2
1949	40.1	41.3	38.4	41.5	42.6	39.2
1950	40.4	41.8	38.6	41.2	42.2	39.2
1951	37.6	38.7	36.0	40.2	41.2	38.1
1952	41.0	42.2	39.4	40.4	41.2	38.4
1953	38.5	39.9	36.7	39.8	40.6	37.9
1954	37.8	38.7	36.5	39.6	40.5	37.9
1955	40.6	41.7	39.1	39.8	40.8	37.9
1956	40.4	41.7	38.9	39.6	40.4	37.8
Textile products (except clothing):						
1946	43.8	46.6	41.3	41.5	42.6	39.4
1948	44.4	46.4	41.5	41.0	42.1	39.2
1949	44.6	46.4	41.8	41.0	41.9	39.2
1950	44.7	46.3	42.1	40.2	40.9	38.7
1951	40.4	42.0	37.7	39.8	40.5	38.4
1952	43.5	44.7	41.2	39.4	40.0	38.3
1953	41.1	42.3	38.9	39.7	40.5	38.1
1954	43.0	44.3	40.6	39.3	40.0	38.0
1955	43.5	45.0	40.9	40.1	40.9	38.1
1956	43.2	44.7	40.5	39.1	39.6	37.7
Clothing (including knitting mills):						
1946	41.0	44.8	38.7	41.5	42.7	39.8
1948	40.1	42.6	39.0	40.9	42.2	39.4
1949	39.2	41.6	38.2	40.6	41.7	39.1
1950	40.1	42.6	39.0	40.0	40.9	38.7
1951	36.7	38.8	35.8	39.5	40.4	38.3
1952	39.9	42.5	38.8	39.5	40.3	38.4
1953	38.2	40.6	37.3	39.6	40.6	38.2
1954	38.4	40.5	37.5	39.4	40.4	38.0
1955	39.6	41.7	38.8	39.9	40.8	38.6
1956	39.8	42.3	39.0	39.5	40.4	38.3

See footnote at the end of the table.

**TABLE 32. Average Hours Worked per Week in the Manufacturing Industries of Canada,
by Industrial Group, 1946-56¹ - Continued**

Group and year	Production workers			Administrative and office employees		
	Both sexes	Male	Female	Both sexes	Male	Female
	average hours					
Wood products:						
1946	45.1	45.4	41.3	43.7	45.2	40.2
1948	44.0	44.2	40.8	42.4	43.6	39.3
1949	44.1	44.3	40.6	42.4	43.5	39.4
1950	44.1	44.3	41.0	41.7	42.6	39.2
1951	42.9	43.0	40.6	41.5	42.5	38.7
1952	43.8	44.0	41.1	41.5	42.6	38.4
1953	43.8	44.0	40.4	41.2	42.1	38.5
1954	43.2	43.4	40.2	40.9	41.8	38.2
1955	43.5	43.7	40.9	40.9	41.8	38.2
1956	43.3	43.4	40.7	40.8	41.6	38.1
Paper products:						
1946	47.1	48.2	41.0	40.9	41.6	39.4
1948	47.2	48.0	41.3	40.2	40.7	38.7
1949	47.1	47.9	41.9	39.9	40.4	38.4
1950	47.5	48.3	42.1	39.1	39.6	37.8
1951	46.5	47.2	40.9	38.9	39.3	38.0
1952	45.1	45.5	41.6	38.4	38.7	37.4
1953	43.6	44.0	40.0	38.0	38.3	37.1
1954	42.7	43.1	39.2	37.7	37.9	37.0
1955	43.0	43.2	41.0	37.7	38.0	37.0
1956	42.4	42.7	40.0	37.5	37.7	36.8
Printing, publishing and allied industries:						
1946	42.0	43.3	38.5	39.9	40.6	39.0
1948	40.9	42.0	37.8	39.0	39.4	38.3
1949	41.0	41.8	38.3	38.7	39.2	37.8
1950	40.4	41.2	37.9	38.2	38.3	38.0
1951	40.0	40.6	38.0	38.2	38.5	37.8
1952	40.0	40.6	38.0	37.9	38.0	37.6
1953	40.0	40.7	37.9	37.3	37.4	37.0
1954	40.2	40.7	38.4	37.7	37.9	37.3
1955	40.1	40.7	38.2	37.6	37.9	37.2
1956	40.3	40.9	38.1	37.3	37.5	37.1
Iron and steel products:						
1946	44.8	45.0	41.8	40.9	41.5	39.3
1948	44.8	45.0	41.6	40.1	40.7	38.6
1949	43.6	43.7	41.5	39.8	40.3	38.4
1950	44.0	44.1	41.4	39.5	39.9	38.3
1951	42.5	42.7	39.8	39.1	39.6	37.9
1952	42.8	42.9	40.1	39.1	39.5	38.0
1953	42.1	42.2	39.6	38.9	39.3	37.6
1954	41.6	41.7	38.9	38.9	39.2	37.8
1955	42.6	42.8	39.9	38.9	39.2	37.8
1956	42.4	42.5	39.2	38.8	39.2	37.7
Transportation equipment:						
1946	42.3	42.4	40.3	42.2	42.8	40.5
1948	43.2	43.2	40.7	41.6	42.1	40.2
1949	42.9	43.0	39.6	41.5	41.9	40.1
1950	43.8	43.9	40.2	41.4	41.8	39.8
1951	42.1	42.2	38.7	41.0	41.3	39.9
1952	42.3	42.4	38.5	41.7	42.5	39.2
1953	41.6	41.8	38.1	39.9	40.2	38.8
1954	41.3	41.4	38.4	40.3	40.7	38.8
1955	40.5	40.6	38.6	40.2	40.5	39.1
1956	40.8	40.9	39.1	40.2	40.5	39.1
Non-ferrous metal products:						
1946	44.0	44.5	40.9	41.6	42.4	40.1
1948	43.9	44.3	40.7	41.0	41.7	39.1
1949	44.4	44.6	41.8	40.9	41.8	38.8
1950	44.2	44.5	41.5	39.9	40.6	38.3
1951	41.8	42.0	40.0	39.6	40.2	38.1
1952	42.1	42.2	41.0	39.0	39.4	37.8
1953	41.5	41.6	39.8	39.4	39.9	37.8
1954	41.7	41.9	40.0	38.8	39.2	37.5
1955	42.0	42.1	40.7	38.6	39.1	37.3
1956	41.6	41.7	40.4	38.4	38.7	37.5

See footnote at the end of the table.

TABLE 32. Average Hours Worked per Week in the Manufacturing Industries of Canada, by Industrial Group, 1946-56¹ - Concluded

Group and year	Production workers			Administrative and office employees		
	Both sexes	Male	Female	Both sexes	Male	Female
	average hours					
Electrical apparatus and supplies:						
1946	41.9	42.7	40.3	39.6	40.1	38.6
1948	41.8	42.6	39.5	39.0	39.3	38.3
1949	42.1	42.8	40.3	39.0	39.3	38.3
1950	42.4	43.3	40.2	38.6	38.8	38.0
1951	41.5	42.5	38.7	38.8	39.3	37.6
1952	42.1	42.8	40.1	38.5	38.8	37.6
1953	41.8	42.6	40.1	38.6	38.8	37.9
1954	40.9	41.5	39.5	38.8	39.1	38.1
1955	42.3	43.5	40.2	38.8	39.1	38.1
1956	41.7	42.7	39.3	39.1	39.4	38.4
Non-metallic mineral products:						
1946	46.1	46.6	42.0	41.4	42.3	39.2
1948	46.4	46.8	42.8	40.5	41.3	38.2
1949	46.0	46.4	41.8	39.9	40.8	37.8
1950	46.4	46.8	41.6	39.7	40.3	38.0
1951	45.0	45.3	40.2	39.3	39.9	37.6
1952	45.1	45.5	40.2	38.4	39.0	36.8
1953	44.4	44.7	40.9	39.2	39.9	37.1
1954	44.7	45.0	40.5	39.0	39.6	37.2
1955	45.0	45.3	40.5	39.5	40.1	37.5
1956	44.2	44.5	39.9	39.0	39.6	37.2
Products of petroleum and coal:						
1946	41.9	42.0	—	39.5	39.9	38.2
1948	42.1	42.1	—	38.2	38.5	37.1
1949	41.9	41.9	—	38.0	38.6	36.1
1950	41.3	41.3	—	36.7	37.4	34.1
1951	41.4	41.4	—	38.4	38.7	37.1
1952	41.5	41.5	—	36.7	37.0	35.9
1953	41.6	41.7	—	37.2	37.5	36.2
1954	41.6	41.7	—	36.8	37.0	36.1
1955	41.5	41.6	—	36.9	37.1	36.3
1956	40.6	40.6	—	36.8	37.0	36.1
Chemicals and allied products:						
1946	44.4	45.3	41.0	39.5	40.0	38.8
1948	44.0	44.9	40.4	38.8	39.3	38.0
1949	44.3	45.1	40.8	38.7	39.2	37.8
1950	43.4	44.1	40.1	38.3	38.8	37.5
1951	42.7	43.3	39.6	38.6	38.9	38.0
1952	42.3	42.8	39.6	38.4	38.7	37.9
1953	42.3	42.9	39.5	38.3	38.5	37.7
1954	41.6	42.1	39.0	38.0	38.2	37.6
1955	41.5	42.0	39.2	38.3	38.6	37.7
1956	41.5	42.0	39.2	38.0	38.1	37.6
Miscellaneous industries:						
1946	42.9	43.9	41.0	43.1	41.9	38.7
1948	42.3	43.6	40.4	41.7	41.2	38.2
1949	42.8	44.2	40.7	40.5	41.1	37.6
1950	42.8	44.3	40.6	40.0	41.0	38.4
1951	41.8	43.3	39.5	38.9	40.1	37.0
1952	42.4	44.3	39.8	38.3	39.5	35.9
1953	42.2	43.7	40.0	38.9	39.4	37.8
1954	42.1	43.1	40.3	38.8	39.6	37.5
1955	42.7	44.1	40.6	39.1	39.9	37.7
1956	42.5	43.9	40.6	38.3	38.9	37.4

¹ Statistics on hours worked since 1946 are taken from the annual report "Earnings and Hours of Work in Manufacturing, compiled by the Employment Section of the Labour Division of the Bureau. These statistics cover establishments employing 15 hands or over only. For 1946 and 1947 they refer to the last week in November and for 1948 to 1956 to the last week in October.

Subsection 5. Earnings in Manufacturing Industries

In 1956, the 37,428 establishments covered, employed 301,297 administrative and office employees and 1,051,723 production workers, a total of 1,353,020 persons. Out every 1,000 persons employed in manufacturing, 223 were classed as office employees and 777 as production workers; the former earned 28 p.c. and the latter 72 p.c. of the total amount paid out as remuneration for services.

A notable feature during the past few years was the reduction in the disparity between average annual earnings of office and production workers. Whereas in 1939 average annual earnings of production workers were only 56 p.c. of that paid to office workers, in 1943 the percentage rose to 76, they declined to 69 in 1947 and rose to 74 in 1956. This tendency towards equalization was due, in part, to the controls adopted

by the Government during the war years which tended to stabilize earnings of office workers more so than the earnings of production workers. The increase in average earnings of production workers was also influenced by the fact that large numbers were employed in the highly paid iron and steel industries and by the increase in the number of hours worked, some at overtime pay.

Ontario has a larger proportion of females among its office employees than the other provinces. The same situation prevails in Quebec with regard to production workers, due, no doubt, to the textile industries of the Province. The importance of the textile industries in providing employment to females is strikingly illustrated by the fact that of all female production workers engaged in the manufacturing industries of Canada in 1956, 41 p.c. were found in the textile and clothing groups.

Average earnings of office workers in 1956 amounted to \$4,222 which was \$1,386 or 49 p.c. higher than in 1949. Office

employees in Ontario with \$4,413 were the highest paid. Those in British Columbia were second with \$4,265, Quebec third with \$4,141 and Manitoba fourth with \$3,797. The fact that head offices of many large corporations are located in Montreal, Toronto, Winnipeg and Vancouver tends to raise the average salary of the provinces in which these cities are located.

Average earnings of production workers in 1956 amounted to \$3,136 which was \$1,069 or 52 p.c. higher than in 1949. The manufacturing industries of British Columbia paid the highest average annual wages of \$3,472. Ontario with \$3,349 was in second place, followed by Alberta with \$3,137, Saskatchewan \$3,114, Manitoba \$2,937, Newfoundland \$2,861, Quebec \$2,858, etc. The high figure shown for Yukon and Northwest Territories in regard to average earnings of production workers is due to the unusual conditions under which industry is carried on in these regions, and is not representative. Statistics of the distribution of employees by provinces and industrial groups as well as average annual earnings are given in Table 33.

TABLE 33. Annual Earnings in the Manufacturing Industries, by Provinces and Industrial Groups, 1956
with Totals for Significant Years, 1917 - 55

Year	Administrative and office employees ²				Production workers			
	Male	Female	Total earnings	Average annual earnings	Male	Female	Total earnings	Average annual earnings
	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 ¹	58,245	17,092	142,353,900	1,890	374,244	109,580	483,328,342	999
1929 ¹	67,731	21,110	175,553,710	1,976	454,768	122,922	601,737,507	1,042
1930 ¹	64,161	20,550	169,992,216	2,007	416,790	113,195	527,563,162	995
1931 ²	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	217,839,334	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	626,825	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	126,858	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	816,714,604	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	828,363	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

¹ The averages of the number of production workers and earnings for the years 1931 to 1956 are strictly comparable with those for the years up to 1925 but not with those for the intervening years. The figures for the latest years—as for the earliest—represent the earnings for complete man-years of work, with no allowance for periods of unemployment. The difference amounts only to about 3 or 4 p.c. in the total figures and affects chiefly the seasonal industries.

² 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 required to report themselves as production workers. In 1931 and subsequent years, however, all such proprietors reported themselves 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.

TABLE 33. Annual Earnings in the Manufacturing Industries, by Provinces and Industrial Groups, 1956
with Totals for Significant Years, 1917 to 1955 - Concluded

Year	Administrative and office employees				Production workers			
	Male	Female	Total earnings	Average annual earnings	Male	Female	Total earnings	Average annual earnings
	number		dollars		number		dollars	
Provinces, 1956								
Newfoundland	1,863	323	6,672,542	3,052	7,226	1,090	23,790,193	2,861
Prince Edward Island	338	96	981,372	2,261	926	415	2,252,032	1,679
Nova Scotia	3,780	1,161	16,142,859	3,267	22,471	3,525	67,805,651	2,608
New Brunswick	2,668	853	11,800,042	3,351	16,019	3,020	49,263,259	2,587
Quebec	68,315	26,101	391,023,668	4,141	257,492	94,229	1,005,390,896	2,858
Ontario	107,822	45,674	677,353,765	4,413	391,301	96,393	1,633,280,631	3,349
Manitoba	6,549	2,449	34,167,889	3,797	26,191	7,632	99,338,082	2,937
Saskatchewan	2,255	863	10,471,197	3,358	7,425	993	26,212,186	3,114
Alberta	6,804	2,150	32,877,638	3,672	24,192	3,646	87,317,467	3,137
British Columbia	15,864	5,323	90,360,706	4,265	77,982	9,426	303,508,682	3,472
Yukon and Northwest Territories	37	9	174,307	3,789	111	18	507,126	3,931
Canada totals,	218,295	85,002	1,272,025,985	4,222	831,336	220,387	3,298,666,205	3,136
Industrial groups, 1956								
Foods and beverages	26,392	10,986	139,119,490	3,722	108,121	37,509	392,514,769	2,695
Tobacco and tobacco products	810	416	6,073,932	4,954	3,208	5,179	24,234,923	2,890
Rubber products	3,897	1,628	23,377,147	4,231	13,800	3,811	58,777,742	3,338
Leather products	2,790	1,304	16,141,474	3,943	15,251	12,039	58,828,560	2,156
Textiles	8,886	4,357	55,745,640	4,209	36,380	21,250	143,581,870	2,491
Knitting mills	1,307	1,113	9,547,682	3,945	6,081	13,412	40,090,275	2,010
Clothing	7,222	4,481	48,393,341	4,135	21,594	56,502	159,822,870	2,046
Wood products	20,716	3,723	76,737,258	3,140	105,332	5,812	299,612,009	2,696
Paper products	12,239	4,797	89,885,892	5,276	68,176	8,493	297,000,524	3,874
Printing, publishing and allied industries	18,344	11,259	104,899,546	3,544	34,065	8,693	149,472,579	3,496
Iron and steel products	31,997	11,002	193,355,215	4,497	146,856	7,063	573,020,872	3,723
Transportation equipment	24,604	6,764	148,815,335	4,744	106,154	3,735	404,756,491	3,683
Non-ferrous metal products	8,840	3,201	55,832,556	4,637	41,080	2,950	164,537,184	3,737
Electrical apparatus and supplies	19,291	7,277	117,326,294	4,416	39,918	16,810	193,196,506	3,406
Non-metallic mineral products	5,710	1,696	31,417,495	4,242	30,790	1,969	111,805,668	3,413
Products of petroleum and coal	4,895	1,491	33,318,403	5,217	11,232	67	48,361,521	4,280
Chemicals and allied products	12,871	6,704	88,263,136	4,509	27,495	5,751	112,479,511	3,383
Miscellaneous industries	5,484	2,803	33,776,149	4,076	15,803	9,342	66,572,331	2,648

Average Annual Earnings in the Forty Leading Industries—

Variations in average earnings are related to the number of employees in industries or areas where pay levels are above or below the average because of differences in basic pay rates, in sex and occupational distributions, in amounts of bonus or commission payments, levels of activity, etc. The earnings of salaried men are substantially higher, on the average, than those of other categories, mainly because their numbers include relatively highly-paid managerial and professional workers. Women's earnings are generally well below those of men in the same industry, chiefly as a result of pay differentials, occupational differences, the greater incidence of part-time work and absenteeism among women, and their higher proportions of younger and less experienced workers.

In 1956 there were eight industries paying office workers \$5,000 or over, as compared with none in 1951. Indicative of the rapidly changing pattern of remuneration in manufacturing is the fact that in 1945, the last year of the war, no industry paid office workers annual salaries of over \$3,000. The highest average earnings in the year were \$2,935 reported by the brewing industry. Highest average earnings in 1956, amounting to \$5,896 were received by the administrative and office employees of the pulp and paper industry which has held the premier position for a number of years. Breweries with \$5,571,

primary iron and steel \$5,372, petroleum products \$5,339, acids, alkalies and salts \$5,178, motor vehicles \$5,119, veneer and plywood \$5,111 and bridge and structural steel \$5,005 were the other industries with \$5,000 and over. There were nine other industries with average salaries of \$4,500 to \$5,000, fourteen with salaries of \$4,000 to \$4,500, six with salaries of \$3,000 to \$4,000 and the remaining three averaged below \$3,000. Bread and other bakery products with \$2,967, butter and cheese with \$2,929 and sawmills with \$2,426 were the three industries in this category. Average salaries in the forty leading industries totalled \$4,309 as compared with \$4,032 for the smaller industries. This lower average is due in part to a higher proportion of female office employees in the smaller industries. In the forty leading industries 26 p.c. of the office employees were female while in the smaller industries 33 p.c. were in this category.

The increase in the average earnings of production workers since 1945 paralleled that of administrative and office workers. Whereas in 1945 there were only four industries averaging over \$2,000, in 1956 none of the forty leading industries averaged below this figure. In 1945 the highest annual earnings, amounting to \$2,365, were paid by the motor vehicle industry, while in 1956 the highest earnings which totalled \$4,383 were paid by the primary iron and steel industry which displaced the

petroleum products industry that has been in first place for a number of years. The highest earnings are usually paid by industries in which the proportion of skilled workers is high, and the proportion of female workers is low. Seven industries in 1956 had average annual earnings of \$4,000 or more. These were: primary iron and steel \$4,383, petroleum products \$4,377, pulp and paper \$4,236, acids, alkalies and salts \$4,140, non-ferrous metal smelting and refining \$4,096, bridge and structural steel work \$4,034 and motor vehicles \$4,022. In ten other industries average annual earnings ranged between \$3,500 and \$4,000, in nine they were between \$3,000 and \$3,500, in nine other they were between \$2,500 and \$3,000 while in the remaining five they were below \$2,500. This last group includes

industries made up of a large number of small establishments and in which the proportion of female workers is high. Cotton yarn and cloth with \$2,476, women's factory clothing \$2,136, men's factory clothing \$2,082, leather footwear \$2,077 and fruit and vegetable preparations \$2,052 are the industries included in this category. Average annual earnings of production workers in the forty leading industries amounted to \$3,301 as compared with \$2,757 for the smaller industries. The lower average for the smaller industries is due mainly to a higher proportion of female workers. Employment by sex, and average annual earnings in the forty leading industries are given in Table 34.

TABLE 34. Annual Earnings in the Forty Leading Industries, 1956

Note: Industries ranked according to the aggregate salaries and wages paid

No.	Industry	Administrative and office employees				Production workers			
		Male	Female	Total earnings	Average annual earnings	Male	Female	Total earnings	Average annual earnings
		number	number	dollars	dollars	number	number	dollars	dollars
1	Pulp and paper	8,286	2,581	64,075,889	5,896	54,079	1,039	233,496,055	4,236
2	Primary iron and steel	3,881	1,090	26,703,039	5,372	30,871	201	136,177,828	4,383
3	Sawmills	10,515	868	27,612,917	2,426	45,334	361	126,196,287	2,762
4	Motor vehicles	6,329	1,675	40,973,235	5,119	26,640	455	108,974,988	4,022
5	Aircraft and parts	10,159	2,917	60,860,882	4,654	21,920	567	85,567,132	3,805
6	Non-ferrous metal smelting and refining	4,297	1,052	25,950,477	4,851	25,389	49	104,189,467	4,096
7	Printing and publishing	9,557	5,251	54,375,481	3,672	14,153	1,946	61,650,372	3,829
8	Machinery, industrial	5,749	2,222	33,810,374	4,242	17,931	673	69,073,738	3,713
9	Railway rolling stock	2,367	364	13,323,443	4,879	25,351	36	87,405,728	3,443
10	Miscellaneous electrical apparatus and supplies	4,921	2,079	31,474,523	4,496	13,599	5,902	68,164,891	3,495
11	Machinery, heavy electrical	6,035	2,161	37,265,675	4,547	12,564	2,876	58,464,297	3,787
12	Bread and other bakery products	3,801	1,408	15,457,659	2,967	22,884	7,363	78,301,369	2,589
13	Furniture	4,369	1,417	21,821,357	3,771	24,652	2,286	71,647,394	2,660
14	Slaughtering and meat packing	4,117	1,346	23,389,774	4,281	15,576	3,628	67,082,111	3,493
15	Printing and bookbinding	4,458	2,072	25,573,743	3,916	13,604	5,223	57,829,687	3,072
16	Motor vehicle parts	3,154	1,096	20,300,052	4,776	14,868	2,353	62,061,805	3,604
17	Rubber goods, including footwear	3,897	1,628	23,377,147	4,231	13,800	3,811	58,777,742	3,338
18	Clothing, men's factory	2,565	1,622	17,182,199	4,104	8,215	19,639	57,989,744	2,082
19	Sheet metal products	3,094	1,157	19,618,651	4,615	14,127	1,634	54,126,836	3,434
20	Telecommunication equipment	6,259	2,083	34,925,368	4,187	6,818	6,243	37,643,549	2,882
21	Castings, iron	1,963	772	12,428,552	4,544	14,350	276	54,387,104	3,719
22	Petroleum products	4,338	1,271	29,946,374	5,339	8,252	64	36,395,264	4,377
23	Shipbuilding and repairs	2,089	563	11,045,967	4,165	15,037	93	52,639,583	3,545
24	Clothing, women's factory	1,854	1,407	15,039,244	4,612	5,253	17,307	48,184,536	2,136
25	Cotton yarn and cloth	2,122	1,131	13,193,627	4,056	12,186	6,500	46,265,185	2,476
26	Bridge and structural steel work	2,499	580	15,564,949	5,055	10,610	18	42,875,251	4,034
27	Butter and cheese	3,094	1,719	13,618,326	2,829	14,513	809	44,812,557	2,925
28	Sash, door and planing mills	3,335	680	13,717,673	3,417	15,725	202	40,986,845	2,573
29	Hardware, tools and cutlery	2,164	1,082	14,332,689	4,415	9,757	1,611	37,525,138	3,301
30	Synthetic textiles and silk	2,775	1,201	17,110,768	4,304	8,976	2,742	32,004,815	2,731
31	Boxes and bags, paper	1,908	1,001	11,994,339	4,123	7,959	4,661	36,857,355	2,921
32	Footwear, leather	1,725	831	9,794,375	3,832	9,117	8,508	36,600,267	2,077
33	Miscellaneous chemical products	2,957	1,218	19,025,879	4,557	6,869	1,413	27,003,441	3,260
34	Miscellaneous iron and steel products	1,984	509	10,704,843	4,294	8,536	420	30,316,794	3,385
35	Acids, alkalies and salts	2,257	694	15,280,533	5,178	6,064	68	25,384,039	4,140
36	Fruit and vegetable preparations	1,984	1,104	11,933,910	3,865	7,028	6,634	28,035,128	2,052
37	Wire and wire goods	1,488	644	9,566,478	4,437	7,269	794	30,234,739	3,750
38	Veneer and plywood	771	234	5,136,475	5,111	9,068	1,523	31,666,640	2,990
39	Breweries	1,619	427	11,397,925	5,571	6,619	59	25,372,422	3,799
40	Agricultural implements	2,043	524	10,776,491	4,198	7,182	89	25,927,087	3,566
	Totals, forty leading industries	152,779	53,682	889,681,302	4,309	612,745	120,076	2,419,295,210	3,301
	Totals, other industries	63,516	31,320	382,344,683	4,032	218,591	100,311	879,370,995	2,757
	Totals, all industries	216,295	85,002	1,272,025,985	4,222	831,336	220,387	3,298,666,205	3,136

Average Annual, Weekly and Hourly Earnings.— Statistics on employment and earnings are compiled in two separate divisions of the Bureau, viz. the Industry and Merchandising Division and the Labour Division. The Industry and Merchandising Division collects from every manufacturer once a year details of the number of persons employed and total payments made during the calendar year, classified by sex. This data is also classified into (a) administrative and office employees and (b) production and related workers. The office employees reported is the average for the year, while in the case of production workers manufacturers report the number of workers receiving pay during the last pay period of each month and the monthly average is calculated in the Bureau. We thus have statistics on employment broken down by sex with separate figures on the amounts paid to (a) administrative and office employees referred to as **Office Employees** and (b) production and related workers referred to as **Production Workers**. Average annual earnings, not broken down by sex, are, therefore, available for these two classes of employees.

Statistics on weekly and hourly earnings as well as hours worked per week are compiled by the Employment Section of the Labour Division. In addition to the monthly surveys on employment, payrolls and man-hours which covers all sectors of the economy, there is an annual survey on earnings and hours worked in the last week of October, covering the larger manufacturing establishments. Each year statistics of earnings and hours of male and female wage-earners and salaried employees are obtained, with additional detail collected in a three-year cycle since 1949. In 1956, as in 1953 and 1950, a distribution of wage-earners and salaried employees by amounts earned in the survey week was made. The first two inquiries had required distributions in \$5 intervals to \$60 per week, in \$10 intervals thereafter, with an upper class of \$100 and over while the 1956 survey called for distributions in \$10 intervals to \$150 a week. In 1955, a distribution of wage-earners in a given range of hours was obtained while, in 1954, information for office and clerical workers was segregated from that for managerial, professional and other salaried personnel. The annual and monthly surveys cover establishments usually employing 15 or more persons and include almost 90 p.c. of all employees in manufacturing as reported to the Annual Census of Manufactures.

Establishments co-operating in the annual surveys are asked to furnish material for all full-time, casual and part-time employees receiving pay in the last week in October, except home-workers. Proprietors, firm members, pensioners, and staffs of separately-organized sales offices are excluded. Establishments closed in the week because of labour disputes usually report for the nearest week of operation. Men and women are grouped as (1) wage-earners, defined generally as production workers, including working foremen, route-drivers, shipping and maintenance staffs, and related employees, and (2) salaried employees, comprising general office and clerical workers in the office and plant, executive, administrative and professional personnel, and travelling salesmen directly responsible to the plant administration. Hours and earnings in the week are required for workers of both sexes in each category.

The reported hours include full-time, short-time and overtime hours worked and any hours of paid absence in the week. The earnings cover the gross payrolls before deductions for taxes, unemployment insurance contributions, etc., including time, piece-work and commission earnings, regularly-paid incentive, cost-of-living and other bonuses, overtime earnings, and payments to persons absent with pay during the survey week.

While establishments differ to some extent in their classification of certain categories of employees, the proportions of salaried employees in the various industries and areas are generally related to the type and scale of operations. Where plants are typically small, as in Saskatchewan, proprietors and firm members (excluded from the surveys) frequently undertake managerial and office duties that in larger establishments require substantial staffs. On the other hand, large and multiple plant organizations and those requiring many professional workers, such as printing and publishing, employ above-average proportions of salaried personnel. Where travelling salesmen and associated office workers appear on the plant payroll, salaried workers are relatively more numerous than where separate sales offices are maintained. The proportions of em-

ployees reported as salaried staff and as wage-earners are affected by seasonal and market conditions and by other factors contributing to variations in production levels, which usually cause sharper fluctuations in numbers of wage-earners than of salaried employees.

Inter-industry and area variations in hours, as well as year-to-year changes, result from a variety of causes. These include (1) the length of the standard work week, (2) the number of casual and part-time workers and the hours they worked in the reported week, (3) amounts of overtime worked, and of time lost through absenteeism, labour turnover, industrial disputes, lay-offs, etc., (4) differing occupational requirements, and (5) varying proportions of men and women. Women generally average substantially less time than men. Their standard work week tends to be shorter, relatively small proportions of women are employed in industries where the work week is above-average, and they have a higher incidence of part-time work and of absenteeism.

Differences in average earnings are related to the distributions of employees in industries or areas where pay levels vary from the average because of variations in basic pay rates, in sex and occupational distributions, in amounts of bonus or commission payments, in levels of activity, etc. The earnings of salaried men are substantially higher, on the average, than those of other categories, mainly because their numbers include relatively highly-paid managerial and professional workers. Women's earnings are generally well below those of men in the same industries, chiefly as a result of pay differentials, occupational differences, the greater incidence of part-time work and absenteeism among women, and their higher proportions of younger and less experienced workers.

There are a few minor differences in the coverage and wording used by the two divisions. The terms "administrative and office employees" and "production and related workers" used by the Industry and Merchandising Division in its annual survey of manufactures corresponds more or less to the terms "salaried employees" and "wage-earners" used by the Employment Section of the Labour Division. There are, however, two minor differences in the two surveys. The Industry and Merchandising Division includes working proprietors with office employees while the Labour Division excludes them from their surveys. In the case of travelling salesmen attached to the plant the Labour Division includes them with salaried employees while the Industry and Merchandising Division does not consider them as being employed in manufacturing.

Prior to 1946 statistics on weekly and hourly earnings as well as hours worked by production workers were collected by the Industry and Merchandising Division in the annual survey of manufactures. Since then this phase of the work was taken over by the Employment Section of the Labour Division and was also expanded to include office employees.

The figures for the years 1934 to 1945 given in Table 35 are based on an analysis of a pay-list covering one week in the month of highest employment. For this reason the figures do not refer to any particular month, since the month of highest employment might be May for one firm and October for another; they represent the summation of the different months of highest employment as reported by all the firms. For a particular industry, however, the month of highest employment is more significant as in such a case it coincides for a great number of firms engaged in the same industry. The figures since 1946 are based on returns received from establishments employing 15 hands or over, and for 1946 and 1947 they refer to the last week in the month of November, whereas for 1948-1956 they refer to the last week in the month of October.

As mentioned above, average annual earnings in manufacturing, classified by sex, are not directly available. To calculate annual earnings by sex, the weekly earnings compiled by the Employment Section are correlated with the employment and payroll data obtained by the annual survey of manufactures. The following example will illustrate the method that is used.

In 1949 the paper products group, according to the annual census of industry, reported 9,077 male and 3,573 female office employees with total payments of \$46,537,336. From the October survey on weekly earnings this group showed

\$77.41 per week for male and \$34.88 per week for female office employees. The proportion of female to male earnings is therefore .451 $\left[\frac{\$34.88}{\$77.41} \right]$ Female employees are first reduced to a male basis and the calculation is then as follows:

Annual Earnings of Male Employees

$$\frac{\$46,537,336}{9,077 + .451 (3,573)} = \frac{\$43,537,336}{10,688} = \$4,354$$

Annual Earnings of Female Employees

$$\$4,354 \times .451 = \$1,964$$

In the foregoing calculation the assumption is made that annual earnings of male and female employees vary in the same proportion as their weekly earnings. In the above illustration it may also be noted that the calculated annual earnings for male employees amounting to \$4,354 are higher than the weekly earnings multiplied by 52 which total only \$4,025 (\$77.41x52). This difference is due to the fact that the earnings reported to the Census of Manufactures include payments to executives as well as bonuses to employees which are usually paid at the end of the year, while the earnings reported for the one week in the year exclude such payments.

Average Annual, Weekly and Hourly Earnings of Production Workers.— Average weekly earnings of male production workers for manufacturing as a whole amounted to \$70.67 in 1956, an

increase of \$23.34 or 49 p.c. as compared with 1949. Average hourly earnings advanced from \$1.07 in 1949 to \$1.66 in 1956, an increase of 55 p.c., while annual earnings at \$3,458 were 51 p.c. higher. There are wide regional and industrial variations in hourly earnings. British Columbia is the highest paying province, hourly earnings for male production workers being \$1.90 in 1956 as compared with \$1.66 for Canada as a whole. Ontario with \$1.75 was second while Prince Edward Island with \$1.05 was the lowest. On an industrial basis, male workers in products of petroleum and coal industries were the highest paid with an hourly average of \$2.07, while the leather group was the lowest with \$1.24.

Female production workers received on an average \$39.29 per week in 1956, an increase of \$12.11 or 45 p.c. since 1949. Hourly earnings at \$1.00 were 47 p.c. higher, while annual earnings at \$1,923 were 46 p.c. higher. In the case of females British Columbia with \$1.20 per hour was also the highest paying province, while Newfoundland with 57 cents was the lowest. The transportation equipment and tobacco groups with \$1.37 per hour paid the highest wages to its female production workers, and the leather products group the lowest with 85 cents per hour. The leather products group had the lowest hourly earnings for both male and female production workers.

The following table gives the weekly and hourly earnings of male and female production workers for each province and major industrial group for the year 1956.

Average Weekly and Hourly Earnings of Male and Female Production Workers, by Provinces and Industrial Groups, 1956

Province and industrial group	Male earnings		Female earnings	
	Weekly	Hourly	Weekly	Hourly
dollars				
Provinces				
Newfoundland	65.52	1.56	19.12	0.57
Prince Edward Island	47.92	1.05	25.69	0.61
Nova Scotia	58.19	1.41	25.88	0.63
New Brunswick	62.65	1.41	29.36	0.73
Quebec	67.56	1.52	37.46	0.94
Ontario	73.39	1.75	41.69	1.07
Manitoba	65.65	1.57	35.76	0.91
Saskatchewan	65.62	1.59	38.23	1.02
Alberta	67.96	1.64	42.72	1.11
British Columbia	75.53	1.90	43.67	1.20
Canada	70.67	1.66	39.29	1.00
Industrial groups				
Foods and beverages	62.35	1.44	36.12	0.94
Tobacco and tobacco products	70.10	1.69	52.43	1.37
Rubber products	74.79	1.74	45.47	1.14
Leather products	51.92	1.24	33.06	0.85
Textile products (except clothing)	56.89	1.27	39.53	0.98
Clothing, including knitting mills	59.78	1.41	35.00	0.90
Wood products	59.19	1.36	43.38	1.06
Paper products	80.45	1.88	41.00	1.03
Printing, publishing and allied industries	82.19	2.01	38.83	1.02
Iron and steel products	76.08	1.79	49.05	1.25
Transportation equipment	73.43	1.80	53.40	1.37
Non-ferrous metal products	74.82	1.79	39.57	0.98
Electrical apparatus and supplies	75.52	1.77	49.89	1.27
Non-metallic mineral products	70.61	1.59	46.83	1.17
Products of petroleum and coal	84.21	2.07	--	--
Chemicals and allied products	72.19	1.72	41.70	1.06
Miscellaneous industries	62.73	1.43	37.26	0.92

TABLE 35. Average Annual, Weekly and Hourly Earnings of Production Workers, Employed in the Manufacturing Industries, 1934-56¹

Note. Butter and cheese factories and fish curing and packing plants are excluded in the years 1938 to 1945, while sawmills are also excluded in 1945. By including sawmills, weekly earnings in 1945 would have been about \$34.35 for male wage-earners.

Year	All production workers			Male workers			Female workers		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	dollars								
1934	830	18.30	0.37	930	20.31	0.41 ²	539	11.80	0.25 ³
1935	870	18.50	0.38	966	20.41	0.41 ²	570	12.04	0.26 ²
1936	896	18.96	0.39	995	20.92	0.42 ²	577	12.20	0.26 ²
1937	965	3	3	3	3	3	3	3	3
1938	956	19.49	0.42	1,055	21.49	0.45	594	12.10	0.27
1939	975	20.14	0.43	1,076	22.23	0.46	619	12.78	0.28
1940	1,084	22.35	0.45	1,202	24.82	0.49	655	13.52	0.27
1941	1,220	24.95	0.49	1,355	27.72	0.54	736	15.05	0.32
1942	1,383	28.18	0.56	1,558	31.75	0.62	854	17.41	0.37
1943	1,525	29.87	0.61	1,726	33.80	0.67	987	19.33	0.43
1944	1,564	31.05	0.65	1,761	34.95	0.71	1,051	20.89	0.48
1945	1,538	30.98	0.67	1,739	35.04	0.74	984	19.84	0.47
1946	1,516	32.38	0.74	1,702	36.23	0.81	943	20.08	0.50
1947	1,713	37.19	0.85	1,909	41.35	0.92	1,067	23.11	0.58
1948	1,960	41.25	0.95	2,175	45.73	1.02	1,233	25.91	0.65
1949	2,067	42.61	0.98	2,291	47.33	1.07	1,315	27.18	0.68
1950	2,183	45.94	1.06	2,419	50.93	1.14	1,376	29.00	0.73
1951	2,434	51.32	1.22	2,693	56.46	1.31	1,492	31.27	0.83
1952	2,647	55.17	1.30	2,915	60.85	1.40	1,638	34.17	0.86
1953	2,792	56.75	1.36	3,082	62.71	1.47	1,723	35.07	0.91
1954	2,853	57.99	1.40	3,145	63.98	1.51	1,764	35.90	0.93
1955	2,963	60.53	1.44	3,267	66.86	1.57	1,833	37.52	0.95
1956	3,136	63.97	1.53	3,458	70.67	1.66	1,923	39.29	1.00

¹ Statistics on weekly and hourly earnings are taken from the annual report "Earnings and Hours of Work in Manufacturing", compiled by the Employment Section of the Labour Division of the Bureau. These statistics cover establishments employing 15 hands or over. For 1946 and 1947 they refer to the last week in November and for 1948 to the last week in October. Annual earnings are calculated. See text on page 76.

² Estimated on the basis of hours worked by female workers in 1938 and 1939 as compared with those worked by male workers in these years.

³ Not available.

TABLE 36. Average Annual, Weekly and Hourly Earnings of Production Workers in the Manufacturing Industries, by Provinces, 1946-56

(Statistics for the years 1938-45 are published on page 60 of the 1950 General Review of the Manufacturing Industries of Canada)

Province and year	All production workers			Male workers			Female workers		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	dollars								
Newfoundland:									
1949 ¹	2,392	—	—	—	—	—	—	—	—
1950	2,626	46.52	0.99	2,919	50.85	1.07	1,016	17.72	0.42
1951 ²	2,350	52.37	1.15	2,613	56.80	1.23	852	18.51	0.46
1952	2,479	54.42	1.23	2,705	58.78	1.32	903	19.62	0.49
1953	2,549	57.11	1.32	2,735	60.50	1.38	911	20.13	0.54
1954	2,820	57.57	1.35	3,059	61.67	1.43	1,043	21.01	0.55
1955	2,752	56.93	1.37	3,053	61.17	1.46	1,035	20.72	0.55
1956	2,861	59.89	1.46	3,154	65.52	1.56	921	19.12	0.57
Prince Edward Island:									
1946	911	21.51	0.46	1,097	25.42	0.54	555	12.87	0.29
1948	1,149	27.66	0.60	1,317	30.68	0.66	715	16.66	0.39
1949	1,145	29.76	0.62	1,323	33.96	0.71	718	18.45	0.40
1950	1,220	30.36	0.69	1,456	35.97	0.78	667	16.46	0.42
1951	1,312	34.10	0.74	1,521	38.33	0.83	808	20.34	0.46
1952	1,455	43.53	0.96	1,719	48.13	1.04	801	22.41	0.55
1953	1,616	38.07	0.83	1,846	42.94	0.93	1,032	24.02	0.54
1954	1,591	39.55	0.88	1,832	44.47	0.97	967	23.48	0.55
1955	1,607	39.76	0.90	1,857	45.82	1.02	940	23.17	0.55
1956	1,679	42.03	0.94	1,962	47.92	1.05	1,052	25.69	0.61

¹ Dash indicates that the information is not available.

² The average annual earnings are calculated on the basis of the total amount paid during the year as reported to census of industry, while the weekly earnings are based on an analysis of the pay-list for the last week in October and only cover establishments employing 15 hands or over. The drop in the average annual earnings is due in part to these factors as well as to the fact that in 1951 statistics for the processing of fish in Newfoundland were included with manufactures for the first time. As this is a seasonal industry annual earnings are, therefore, lower. In 1951 average annual earnings of production workers for both sexes for this industry averaged \$1,151 as compared with \$2,806 for the other industries of the province.

TABLE 36. Average Annual, Weekly and Hourly Earnings of Production Workers in the Manufacturing Industries, by Provinces, 1946-56 - Continued

Province and year	All production workers			Male workers			Female workers		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	dollars								
Nova Scotia:									
1946	1,398	31.44	0.69	1,502	33.90	0.74	762	17.18	0.39
1948	1,680	37.74	0.82	1,810	40.66	0.88	901	20.25	0.46
1949	1,810	39.56	0.89	1,959	42.87	0.96	911	19.94	0.47
1950	1,852	39.74	0.89	2,002	42.98	0.96	973	20.89	0.48
1951	2,024	44.77	1.03	2,179	48.30	1.11	998	22.14	0.52
1952	2,187	46.89	1.11	2,349	50.41	1.19	1,113	23.89	0.56
1953	2,313	49.27	1.18	2,494	53.15	1.27	1,100	23.45	0.57
1954	2,337	48.37	1.18	2,520	52.41	1.27	1,106	23.01	0.59
1955	2,446	51.53	1.25	2,641	55.62	1.34	1,173	24.70	0.62
1956	2,608	53.61	1.30	2,821	58.19	1.41	1,255	25.88	0.63
New Brunswick:									
1946	1,390	30.54	0.66	1,528	33.58	0.72	781	17.16	0.40
1948	1,741	38.03	0.84	1,915	41.55	0.88	1,015	22.04	0.53
1949	1,823	38.64	0.85	1,983	42.18	0.91	1,114	23.71	0.57
1950	1,865	40.68	0.90	2,035	44.45	0.96	1,099	24.01	0.61
1951	2,087	46.87	1.06	2,275	51.42	1.13	1,188	26.86	0.69
1952	2,201	48.33	1.10	2,376	52.19	1.17	1,340	29.42	0.72
1953	2,326	49.93	1.17	2,534	54.48	1.24	1,234	26.51	0.72
1954	2,375	51.28	1.21	2,594	55.16	1.27	1,209	25.70	0.68
1955	2,414	54.37	1.26	2,628	58.82	1.34	1,267	28.33	0.73
1956	2,587	57.61	1.32	2,826	62.65	1.41	1,325	29.36	0.73
Quebec:									
1946	1,445	30.51	0.67	1,660	34.95	0.74	926	19.49	0.47
1948	1,829	38.60	0.85	2,077	43.80	0.94	1,190	25.11	0.61
1949	1,907	39.61	0.89	2,171	45.19	0.98	1,246	25.93	0.65
1950	1,995	42.21	0.94	2,273	48.15	1.03	1,305	27.65	0.68
1951	2,216	47.26	1.10	2,528	53.58	1.20	1,385	29.37	0.78
1952	2,413	50.64	1.15	2,741	57.74	1.27	1,519	32.00	0.80
1953	2,558	52.48	1.23	2,911	59.72	1.35	1,592	32.67	0.85
1954	2,614	53.04	1.25	2,961	60.28	1.38	1,661	33.80	0.87
1955	2,695	55.84	1.29	3,061	63.69	1.43	1,708	35.53	0.89
1956	2,858	59.39	1.38	3,246	67.56	1.52	1,798	37.46	0.94
Ontario:									
1946	1,552	33.26	0.78	1,738	37.09	0.84	963	20.53	0.53
1948	2,060	42.86	1.00	2,273	47.10	1.07	1,300	26.92	0.69
1949	2,187	44.34	1.04	2,405	48.88	1.12	1,400	28.45	0.72
1950	2,328	48.46	1.13	2,560	53.33	1.21	1,472	30.69	0.78
1951	2,602	53.87	1.30	2,848	58.60	1.38	1,635	33.66	0.89
1952	2,840	58.27	1.38	3,094	63.60	1.49	1,788	36.78	0.94
1953	2,980	59.34	1.44	3,257	65.00	1.55	1,892	37.74	0.98
1954	3,026	60.83	1.48	3,304	66.54	1.59	1,916	38.56	1.00
1955	3,166	63.25	1.52	3,457	69.25	1.64	1,998	40.06	1.02
1956	3,349	66.87	1.62	3,662	73.39	1.75	2,080	41.69	1.07
Manitoba:									
1946	1,491	31.16	0.73	1,662	34.51	0.79	949	19.72	0.50
1948	1,833	39.22	0.91	2,042	43.48	0.99	1,144	24.35	0.62
1949	1,900	41.06	0.95	2,114	45.39	1.02	1,222	26.24	0.66
1950	2,013	43.73	1.00	2,234	48.30	1.08	1,276	27.56	0.69
1951	2,270	48.46	1.17	2,532	53.21	1.26	1,382	29.07	0.76
1952	2,443	51.17	1.23	2,698	56.34	1.34	1,562	32.63	0.82
1953	2,619	53.48	1.31	2,925	59.21	1.42	1,580	31.98	0.84
1954	2,647	54.85	1.33	2,939	60.70	1.45	1,631	33.67	0.87
1955	2,762	57.10	1.37	3,090	63.38	1.50	1,666	34.19	0.87
1956	2,937	59.19	1.44	3,273	65.65	1.57	1,784	35.76	0.91
Saskatchewan:									
1946	1,455	32.78	0.75	1,531	34.11	0.77	1,007	22.45	0.55
1948	1,916	40.12	0.93	2,022	42.12	0.97	1,252	26.09	0.67
1949	2,042	41.34	0.98	2,142	43.33	1.01	1,384	27.99	0.71
1950	2,115	43.71	1.03	2,217	45.58	1.07	1,419	29.17	0.75
1951	2,363	49.18	1.19	2,473	51.58	1.23	1,568	32.69	0.85
1952	2,609	52.87	1.28	2,730	55.30	1.32	1,753	35.52	0.91
1953	2,785	56.33	1.37	2,909	58.73	1.41	1,865	37.62	1.00
1954	2,900	58.67	1.41	3,056	61.86	1.46	1,748	35.41	0.99
1955	3,017	60.13	1.45	3,181	63.70	1.51	1,797	36.00	0.99
1956	3,114	62.13	1.53	3,275	65.62	1.59	1,909	38.23	1.02
Alberta:									
1946	1,477	32.40	0.75	1,582	34.50	0.79	981	21.38	0.51
1948	1,890	41.35	0.96	2,005	43.80	1.00	1,251	27.31	0.67
1949	2,025	43.80	1.01	2,137	46.01	1.05	1,385	29.83	0.73
1950	2,113	44.86	1.05	2,223	47.09	1.10	1,445	30.61	0.77
1951	2,323	50.39	1.22	2,449	52.83	1.27	1,531	33.04	0.86
1952	2,518	55.10	1.33	2,653	58.30	1.39	1,661	36.48	0.96
1953	2,718	58.43	1.42	2,864	61.66	1.48	1,787	38.45	1.01
1954	2,870	60.82	1.47	3,037	64.00	1.52	1,795	37.81	1.03
1955	2,977	61.80	1.50	3,141	65.16	1.56	1,894	39.31	1.04
1956	3,137	64.58	1.57	3,297	67.96	1.64	2,074	42.72	1.11

TABLE 36. Average Annual, Weekly and Hourly Earnings of Production Workers in the Manufacturing Industries, by Provinces, 1946-56 - Concluded

Province and year	All production workers			Male workers			Female workers		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
dollars									
British Columbia:									
1946	1,750	36.83	0.89	1,956	39.01	0.94	1,156	23.05	0.59
1948	2,182	46.02	1.14	2,298	48.27	1.19	1,360	28.58	0.75
1949	2,282	47.36	1.18	2,410	49.82	1.23	1,381	28.57	0.77
1950	2,393	50.73	1.26	2,522	53.34	1.32	1,458	30.84	0.82
1951	2,723	58.65	1.50	2,871	61.70	1.56	1,599	34.36	0.96
1952	2,975	62.21	1.58	3,127	65.35	1.65	1,776	37.11	1.03
1953	3,108	64.76	1.64	3,277	68.10	1.71	1,842	38.28	1.05
1954	3,221	66.95	1.69	3,386	70.07	1.75	1,900	39.31	1.10
1955	3,307	68.88	1.74	3,473	72.14	1.81	1,973	40.96	1.12
1956	3,472	72.39	1.83	3,638	75.53	1.90	2,103	43.67	1.20
Yukon and Northwest Territories ¹ :									
1946	2,249	—	—	—	—	—	—	—	—
1948	2,824	—	—	—	—	—	—	—	—
1949	2,502	—	—	—	—	—	—	—	—
1950	2,523	—	—	—	—	—	—	—	—
1951	2,686	—	—	—	—	—	—	—	—
1952	3,366	—	—	—	—	—	—	—	—
1953	3,331	—	—	—	—	—	—	—	—
1954	3,376	—	—	—	—	—	—	—	—
1955	3,684	—	—	—	—	—	—	—	—
1956	3,931	—	—	—	—	—	—	—	—

¹ Dash indicates that the information is not available.**TABLE 37. Average Annual, Weekly and Hourly Earnings of Production Workers in the Manufacturing Industries, by Industrial Groups, 1946-56**

Group and year	All production workers			Male workers			Female workers		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
dollars									
Foods and beverages:									
1946	1,389	29.15	0.66	1,574	33.09	0.72	869	18.27	0.47
1948	1,718	36.56	0.83	1,945	41.68	0.91	1,064	22.31	0.59
1949	1,817	38.45	0.87	2,046	43.98	0.95	1,140	24.51	0.62
1950	1,914	39.99	0.91	2,159	45.84	1.00	1,194	25.35	0.65
1951	2,113	44.79	1.03	2,371	50.67	1.13	1,370	29.29	0.75
1952	2,285	47.75	1.11	2,564	54.36	1.22	1,467	31.12	0.80
1953	2,393	49.47	1.16	2,687	56.52	1.28	1,537	32.31	0.83
1954	2,482	50.17	1.20	2,786	57.20	1.32	1,577	32.40	0.86
1955	2,570	51.88	1.24	2,882	59.16	1.36	1,654	33.96	0.89
1956	2,695	54.51	1.30	3,023	62.35	1.44	1,750	36.12	0.94
Tobacco and tobacco products:									
1946	1,168	23.85	0.56	1,468	30.05	0.66	995	20.37	0.49
1948	1,717	35.53	0.84	2,105	44.15	0.98	1,488	31.23	0.76
1949	1,882	38.63	0.89	2,258	46.74	1.03	1,662	34.42	0.81
1950	2,011	40.92	0.99	2,361	48.33	1.12	1,799	36.83	0.91
1951	2,279	51.75	1.25	2,657	60.49	1.38	2,030	46.24	1.16
1952	2,526	50.96	1.25	2,975	60.24	1.41	2,231	45.18	1.14
1953	2,580	52.43	1.30	3,025	61.69	1.48	2,305	46.99	1.18
1954	2,703	56.28	1.39	3,113	64.82	1.54	2,441	50.85	1.29
1955	2,849	57.14	1.42	3,282	66.30	1.60	2,567	51.84	1.31
1956	2,890	58.82	1.49	3,422	70.10	1.69	2,560	52.43	1.37
Rubber products:									
1946	1,567	36.78	0.82	1,769	41.09	0.90	1,031	23.96	0.57
1948	2,108	45.22	1.04	2,338	49.84	1.13	1,481	31.17	0.76
1949	2,138	43.36	1.03	2,353	47.68	1.11	1,520	30.80	0.75
1950	2,326	48.83	1.12	2,563	53.97	1.22	1,625	34.23	0.82
1951	2,622	54.69	1.32	2,861	59.77	1.42	1,848	38.59	0.98
1952	2,858	58.04	1.37	3,117	63.60	1.49	2,039	41.62	1.03
1953	2,981	59.08	1.43	3,259	64.74	1.53	2,102	41.73	1.08
1954	2,992	59.91	1.44	3,237	64.82	1.54	2,133	42.69	1.07
1955	3,154	65.03	1.51	3,434	70.87	1.63	2,191	45.18	1.11
1956	3,338	68.36	1.61	3,647	74.79	1.74	2,217	45.47	1.14
Leather products:									
1946	1,192	25.03	0.59	1,421	29.85	0.68	863	18.11	0.45
1948	1,428	30.22	0.74	1,684	35.57	0.85	1,054	22.28	0.56
1949	1,528	30.84	0.77	1,807	36.39	0.88	1,131	22.77	0.59
1950	1,562	32.80	0.81	1,850	38.96	0.93	1,149	24.20	0.63
1951	1,684	33.61	0.89	1,992	39.71	1.03	1,251	24.95	0.69
1952	1,890	38.38	0.94	2,218	46.04	1.09	1,371	28.45	0.72
1953	1,928	37.90	0.98	2,310	45.27	1.14	1,437	28.18	0.77
1954	1,958	37.87	1.00	2,306	44.48	1.15	1,492	28.78	0.79
1955	2,033	42.04	1.04	2,417	50.00	1.20	1,525	31.54	0.81
1956	2,156	43.37	1.07	2,567	51.92	1.24	1,635	33.06	0.85

TABLE 37. Average Annual, Weekly and Hourly Earnings of Production Workers in the Manufacturing Industries, by Industrial Groups, 1946-56 - Continued

Group and year	All production workers			Male workers			Female workers		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	dollars								
Textile products (except clothing):									
1946	1,271	24.13	0.55	1,453	28.33	0.61	1,019	19.87	0.48
1948	1,707	34.10	0.77	1,946	38.93	0.84	1,349	26.98	0.65
1949	1,830	36.93	0.83	2,068	41.67	0.90	1,458	29.39	0.70
1950	1,909	39.38	0.88	2,141	44.17	0.95	1,527	31.49	0.75
1951	2,046	40.00	0.99	2,292	44.81	1.07	1,627	31.82	0.84
1952	2,223	45.68	1.05	2,477	50.73	1.14	1,788	36.63	0.89
1953	2,278	44.20	1.08	2,545	49.28	1.17	1,825	35.34	0.91
1954	2,348	47.43	1.10	2,629	52.93	1.20	1,861	37.46	0.92
1955	2,423	48.36	1.11	2,702	54.21	1.20	1,905	38.22	0.93
1956	2,491	50.53	1.17	2,807	56.89	1.27	1,951	39.53	0.98
Clothing, including knitting mills:									
1946	1,191	25.38	0.62	1,693	34.54	0.77	972	19.81	0.51
1948	1,465	30.16	0.75	2,065	42.64	1.00	1,198	24.73	0.63
1949	1,542	30.46	0.78	2,170	43.31	1.04	1,261	25.17	0.66
1950	1,588	32.64	0.81	2,242	46.35	1.09	1,294	26.75	0.69
1951	1,691	33.21	0.91	2,383	47.14	1.22	1,380	27.28	0.76
1952	1,812	37.39	0.94	2,579	54.06	1.27	1,473	30.85	0.80
1953	1,886	37.15	0.97	2,667	53.33	1.31	1,547	30.94	0.83
1954	1,897	38.08	0.99	2,655	53.79	1.33	1,566	31.74	0.85
1955	1,940	38.96	0.98	2,725	55.56	1.33	1,613	32.90	0.85
1956	2,049	41.49	1.04	2,915	59.78	1.41	1,705	35.00	0.90
Wood products:									
1946	1,337	30.94	0.69	1,366	31.73	0.70	904	21.02	0.51
1948	1,727	39.16	0.89	1,758	40.00	0.91	1,199	27.30	0.67
1949	1,836	40.40	0.92	1,869	41.20	0.93	1,256	27.69	0.68
1950	1,925	43.61	0.99	1,957	44.48	1.00	1,335	30.34	0.74
1951	2,136	48.18	1.12	2,166	48.98	1.14	1,525	34.47	0.85
1952	2,279	51.86	1.18	2,312	52.80	1.20	1,637	37.36	0.91
1953	2,399	53.40	1.22	2,435	54.36	1.24	1,717	38.35	0.95
1954	2,484	54.52	1.26	2,521	55.41	1.28	1,787	39.29	0.98
1955	2,599	56.38	1.30	2,635	57.29	1.31	1,929	41.94	1.03
1956	2,696	58.22	1.35	2,734	59.19	1.36	2,004	43.38	1.06
Paper products:									
1946	1,835	36.97	0.79	2,004	40.20	0.83	944	18.94	0.46
1948	2,431	49.09	1.04	2,616	52.42	1.09	1,248	24.99	0.61
1949	2,535	49.74	1.06	2,721	53.31	1.11	1,350	26.44	0.63
1950	2,709	54.15	1.14	2,906	57.77	1.20	1,444	28.71	0.68
1951	3,130	63.98	1.38	3,347	67.87	1.44	1,630	33.05	0.81
1952	3,294	64.27	1.43	3,499	67.89	1.49	1,774	34.40	0.83
1953	3,434	66.85	1.53	3,648	70.77	1.61	1,842	35.77	0.89
1954	3,548	69.15	1.62	3,760	72.80	1.69	1,891	36.65	0.94
1955	3,652	72.34	1.68	3,858	76.26	1.77	1,983	39.17	0.96
1956	3,874	76.38	1.80	4,096	80.45	1.88	2,089	41.00	1.03
Printing, publishing and allied industries:									
1946	1,609	34.57	0.82	1,882	40.53	0.94	869	18.71	0.49
1948	2,082	42.90	1.05	2,395	49.52	1.18	1,109	22.94	0.61
1949	2,239	47.19	1.15	2,550	53.59	1.28	1,221	25.66	0.67
1950	2,413	50.30	1.25	2,747	57.64	1.40	1,277	26.80	0.71
1951	2,575	54.24	1.36	2,917	61.87	1.52	1,374	29.11	0.77
1952	2,818	59.64	1.49	3,179	67.84	1.67	1,500	32.00	0.84
1953	3,058	63.10	1.58	3,446	71.65	1.76	1,637	34.06	0.90
1954	3,179	66.24	1.65	3,577	74.85	1.84	1,688	35.35	0.92
1955	3,343	69.35	1.73	3,752	78.17	1.92	1,756	36.61	0.96
1956	3,496	72.78	1.80	3,916	82.19	2.01	1,848	38.83	1.02
Iron and steel products:									
1946	1,731	36.87	0.82	1,940	37.89	0.84	1,133	22.11	0.53
1948	2,257	46.64	1.04	2,305	47.61	1.06	1,443	29.83	0.72
1949	2,401	48.05	1.10	2,445	48.94	1.12	1,597	31.96	0.77
1950	2,534	52.23	1.19	2,581	53.18	1.21	1,665	34.28	0.83
1951	2,833	58.86	1.39	2,886	59.95	1.40	1,885	39.16	0.98
1952	3,109	63.09	1.47	3,159	64.05	1.49	2,088	42.35	1.06
1953	3,267	65.02	1.54	3,322	66.10	1.57	2,222	44.20	1.12
1954	3,275	65.75	1.58	3,330	66.82	1.60	2,258	45.33	1.17
1955	3,501	70.63	1.66	3,558	71.76	1.68	2,359	47.59	1.19
1956	3,723	74.85	1.76	3,785	76.08	1.79	2,441	49.05	1.25
Transportation equipment:									
1946	1,897	39.85	0.94	1,921	40.45	0.95	1,187	24.99	0.62
1948	2,419	48.90	1.13	2,442	49.33	1.14	1,687	34.07	0.84
1949	2,465	50.54	1.18	2,494	51.08	1.19	1,706	34.93	0.88
1950	2,647	55.06	1.26	2,680	55.67	1.27	1,825	37.91	0.94
1951	2,867	58.18	1.38	2,895	58.66	1.39	2,096	42.45	1.10
1952	3,095	64.13	1.52	3,127	64.66	1.53	2,201	45.51	1.18
1953	3,406	65.45	1.57	3,438	66.11	1.58	2,444	47.00	1.23
1954	3,390	67.74	1.64	3,419	68.37	1.65	2,523	50.46	1.32
1955	3,488	67.82	1.67	3,523	68.45	1.69	2,537	49.28	1.28
1956	3,683	72.75	1.78	3,718	73.43	1.80	2,703	53.40	1.37

TABLE 37. Average Annual, Weekly and Hourly Earnings of Production Workers in the Manufacturing Industries, by Industrial Groups, 1946-56 - Concluded

Group and year	All production workers			Male workers			Female workers		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	dollars								
Non-ferrous metal products:									
1946	1,713	35.51	0.81	1,833	37.78	0.85	1,014	20.90	0.51
1948	2,251	45.26	1.03	2,350	47.45	1.07	1,349	27.23	0.67
1949	2,419	48.26	1.09	2,521	50.26	1.13	1,437	28.63	0.69
1950	2,516	50.34	1.14	2,619	52.51	1.18	1,490	29.88	0.72
1951	2,866	57.56	1.38	2,979	59.68	1.42	1,618	32.40	0.81
1952	3,131	62.35	1.48	3,250	64.52	1.53	1,771	35.18	0.86
1953	3,277	64.43	1.55	3,399	66.59	1.60	1,852	36.30	0.91
1954	3,417	66.61	1.60	3,533	68.75	1.64	1,922	37.43	0.94
1955	3,557	70.02	1.67	3,678	72.41	1.72	1,986	39.13	0.96
1956	3,737	72.51	1.74	3,859	74.82	1.79	2,041	39.57	0.98
Electrical apparatus and supplies:									
1946	1,523	32.39	0.77	1,711	36.34	0.85	1,148	24.38	0.61
1948	2,125	44.06	1.05	2,319	48.01	1.13	1,614	33.42	0.85
1949	2,288	46.10	1.10	2,493	50.38	1.18	1,740	35.18	0.87
1950	2,414	49.90	1.18	2,649	55.03	1.27	1,788	37.14	0.92
1951	2,673	56.03	1.35	2,932	61.24	1.44	1,982	41.41	1.07
1952	2,929	59.28	1.41	3,181	64.59	1.51	2,201	44.67	1.11
1953	2,994	60.65	1.45	3,298	67.24	1.58	2,259	46.05	1.15
1954	3,150	60.62	1.48	3,450	66.81	1.61	2,415	46.75	1.18
1955	3,169	63.35	1.50	3,529	71.75	1.65	2,368	48.15	1.20
1956	3,406	67.73	1.62	3,786	75.52	1.77	2,503	49.89	1.27
Non-metallic mineral products:									
1946	1,547	32.78	0.71	1,614	34.11	0.73	1,039	21.97	0.52
1948	2,080	43.20	0.93	2,138	44.46	0.95	1,443	30.00	0.70
1949	2,193	45.22	0.98	2,252	46.45	1.00	1,540	31.10	0.74
1950	2,338	48.72	1.05	2,408	50.26	1.07	1,500	31.32	0.75
1951	2,616	54.77	1.22	2,699	56.31	1.24	1,646	34.33	0.85
1952	2,842	58.27	1.29	2,931	60.20	1.32	1,750	35.94	0.89
1953	2,990	60.28	1.36	3,084	62.26	1.39	1,884	38.03	0.93
1954	3,125	64.03	1.43	3,205	65.57	1.46	2,045	41.84	1.03
1955	3,198	66.44	1.48	3,271	68.06	1.50	2,113	43.97	1.09
1956	3,413	69.08	1.56	3,484	70.61	1.59	2,310	46.83	1.17
Products of petroleum and coal:									
1946	1,891	37.88	0.90	1,898	38.01	0.91	1,044	—	—
1948	2,435	50.14	1.19	2,445	50.18	1.19	1,345	—	—
1949	2,602	52.54	1.25	2,613	52.58	1.26	1,435	—	—
1950	2,776	56.00	1.36	2,787	56.09	1.36	1,532	—	—
1951	3,172	67.15	1.62	3,181	67.32	1.63	1,750	—	—
1952	3,595	72.33	1.74	3,607	72.50	1.75	1,984	—	—
1953	3,729	76.96	1.85	3,739	77.17	1.85	2,056	—	—
1954	3,811	78.58	1.89	3,821	78.78	1.89	2,102	—	—
1955	3,964	81.44	1.96	3,974	81.71	1.97	2,186	—	—
1956	4,280	83.83	2.07	4,292	84.21	2.07	2,365	—	—
Chemicals and allied products:									
1946	1,564	32.46	0.73	1,773	35.97	0.79	954	19.35	0.47
1948	2,029	41.05	0.93	2,227	45.03	1.00	1,223	24.72	0.61
1949	2,194	43.28	0.98	2,404	47.40	1.05	1,334	26.32	0.65
1950	2,325	46.52	1.07	2,541	50.54	1.15	1,410	28.07	0.70
1951	2,612	52.78	1.24	2,845	57.03	1.32	1,579	31.64	0.80
1952	2,827	56.56	1.34	3,073	61.20	1.43	1,718	34.21	0.86
1953	2,995	58.72	1.39	3,255	63.57	1.48	1,823	35.63	0.90
1954	3,090	60.44	1.46	3,345	65.46	1.56	1,920	37.56	0.96
1955	3,217	63.20	1.52	3,478	68.31	1.63	1,994	39.23	1.00
1956	3,383	67.08	1.62	3,650	72.19	1.72	2,110	41.70	1.06
Miscellaneous industries:									
1946	1,291	26.94	0.63	1,600	30.91	0.70	1,006	19.43	0.47
1948	1,652	33.84	0.80	1,920	39.33	0.90	1,244	25.49	0.63
1949	1,718	35.14	0.82	2,006	41.38	0.93	1,292	26.66	0.66
1950	1,803	38.01	0.89	2,106	44.48	1.00	1,365	28.83	0.71
1951	2,063	41.63	1.00	2,411	48.93	1.13	1,529	31.01	0.79
1952	2,186	44.05	1.04	2,574	52.98	1.20	1,555	32.00	0.80
1953	2,343	47.47	1.12	2,760	56.37	1.29	1,673	34.17	0.85
1954	2,455	48.74	1.16	2,894	57.31	1.33	1,742	34.64	0.86
1955	2,489	49.76	1.17	2,930	59.57	1.35	1,735	35.29	0.87
1956	2,648	52.06	1.22	3,118	62.73	1.43	1,852	37.26	0.92

Average Annual, Weekly and Hourly Earnings of Administrative and Office Employees.— Annual earnings of male office employees in 1956 averaged \$4,918, weekly earnings \$99.05 and hourly earnings \$2.51. For female office employees annual earnings averaged \$2,449, weekly earnings \$49.31 and hourly earnings \$1.30. Average annual earnings of all office employees totalled \$4,222 in 1956, an increase of 86 p.c. since 1946. Weekly earnings at \$85.23 were 94 p.c. higher and hourly earnings

at \$2.19 were 105 p.c. higher. There were seven groups with average weekly salaries for male office employees of \$100.00 or more. Petroleum products with \$126.42 per week paid the highest salaries. Paper products with \$117.86 came second, followed by non-ferrous metal products with \$104.06, transportation equipment \$103.42, electrical apparatus and supplies \$102.73, chemicals and allied products \$101.85 and tobacco products \$101.57. The leather products group paid the

lowest salaries of \$81.65. In the case of female office employees there were seven groups with average salaries of \$50.00 or more. Female employees in the petroleum and coal group received the highest weekly salary of \$57.72, followed by tobacco and tobacco products with \$56.19, transportation equipment \$53.81, paper products \$53.03, chemicals and allied

products \$52.51, non-ferrous metal products \$50.89 and electrical apparatus and supplies \$50.74. In this case too, the leather products group had the lowest weekly salary of \$42.06.

The following table gives the weekly and hourly earnings of male and female office workers for each province and major industrial group for the year 1956.

Average Weekly and Hourly Earnings of Male and Female Administrative and Office Employees by Provinces and Industrial Groups, 1956

Province and Industrial Group	Male earnings		Female earnings	
	Weekly	Hourly	Weekly	Hourly
	dollars			
Province				
Newfoundland	87.32	2.14	42.00	1.04
Prince Edward Island	66.64	1.62	31.11	0.78
Nova Scotia	82.64	2.00	39.06	1.02
New Brunswick	82.30	1.98	40.63	1.06
Quebec	96.89	2.46	49.40	1.31
Ontario	102.19	2.61	50.18	1.33
Manitoba	84.24	2.11	41.95	1.10
Saskatchewan	79.64	1.97	45.07	1.14
Alberta	91.71	2.28	46.77	1.20
British Columbia	102.47	2.60	49.61	1.30
Canada	99.05	2.51	49.31	1.30
Industrial group				
Foods and beverages	87.51	2.17	47.08	1.23
Tobacco and tobacco products	101.57	2.68	56.19	1.49
Rubber products	92.31	2.36	46.94	1.23
Leather products	81.65	2.02	42.06	1.11
Textile products (except clothing)	92.79	2.34	44.89	1.19
Clothing, including knitting mills	87.29	2.16	45.38	1.19
Wood products	89.31	2.15	45.06	1.18
Paper products	117.86	3.13	53.03	1.44
Printing, publishing and allied industries	91.91	2.45	46.72	1.26
Iron and steel products	99.50	2.54	48.75	1.29
Transportation equipment	103.42	2.55	53.81	1.38
Non-ferrous metal products	104.06	2.69	50.89	1.36
Electrical apparatus and supplies	102.73	2.61	50.74	1.32
Non-metallic mineral products	97.73	2.47	49.22	1.32
Products of petroleum and coal	126.42	3.42	57.72	1.60
Chemicals and allied products	101.85	2.67	52.51	1.40
Miscellaneous industries	95.04	2.44	48.29	1.29

TABLE 38. Average Annual, Weekly and Hourly Earnings of Administrative and Office Workers Employed in the Manufacturing Industries, 1946-56¹

Year	All employees			Male employees			Female employees		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	dollars								
1946	2,270	43.85	1.07	2,680	53.21	1.27	1,305	25.91	0.66
1947	2,484	49.78	1.23	2,933	60.21	1.46	1,396	28.68	0.74
1948	2,687	52.91	1.31	3,147	63.47	1.54	1,551	31.26	0.81
1949	2,836	54.85	1.37	3,317	65.37	1.60	1,655	32.62	0.85
1950	2,998	58.74	1.48	3,507	69.35	1.73	1,739	34.38	0.90
1951	3,296	65.98	1.67	3,852	77.55	1.94	1,907	38.42	1.01
1952	3,513	70.75	1.80	3,985	82.60	2.07	2,323	41.26	1.09
1953	3,707	73.87	1.89	4,327	86.43	2.19	2,159	43.13	1.14
1954	3,854	77.81	2.00	4,499	90.99	2.31	2,227	45.00	1.19
1955	3,990	80.57	2.06	4,636	93.50	2.36	2,332	47.02	1.24
1956	4,222	85.23	2.19	4,918	99.05	2.51	2,449	49.31	1.30

¹ Statistics on weekly and hourly earnings are taken from the annual report "Earnings and Hours of Work in Manufacturing", compiled by the Employment Section of the Labour Division of the Bureau. These statistics cover establishments employing 15 hands or over. For 1946 and 1947 they refer to the last week in November and for 1948 to 1956 to the last week in October. Annual earnings are calculated. See text on page 76.

TABLE 39. Average Annual, Weekly and Hourly Earnings of Administrative and Office Employees in the Manufacturing Industries, by Provinces, 1946-56

Year and province	All employees			Male employees			Female employees		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	dollars								
Newfoundland:									
1950	1,921	54.95	1.29	2,087	63.33	1.47	868	26.55	0.67
1951	2,383	62.04	1.44	2,604	70.71	1.63	1,135	30.80	0.73
1952	2,345	62.62	1.47	2,529	71.47	1.66	1,275	31.55	0.76
1953	2,403	68.54	1.64	2,620	78.07	1.86	1,554	34.44	0.84
1954	2,687	71.39	1.75	2,922	80.34	1.96	1,385	37.55	0.94
1955	2,793	73.59	1.78	3,028	81.87	1.97	1,475	39.85	0.98
1956	3,052	77.97	1.91	3,307	87.32	2.14	1,591	42.00	1.04
Prince Edward Island:									
1950	1,571	40.35	0.98	1,747	48.55	1.19	896	24.92	0.61
1951	1,715	46.90	1.08	1,918	55.98	1.26	917	26.75	0.65
1952	1,909	49.63	1.20	2,117	59.33	1.42	1,050	29.40	0.72
1953	2,009	53.69	1.33	2,260	64.81	1.58	1,087	31.15	0.79
1954	1,990	50.04	1.24	2,241	58.50	1.43	1,172	30.60	0.77
1955	2,115	55.82	1.36	2,358	65.59	1.59	1,221	33.96	0.84
1956	2,261	54.90	1.35	2,562	66.64	1.62	1,196	31.11	0.78
Nova Scotia:									
1946	1,788	39.89	0.93	2,020	46.36	1.06	1,026	23.54	0.58
1948	2,036	48.42	1.16	2,292	56.49	1.33	1,107	27.29	0.68
1949	2,179	50.47	1.25	2,455	59.45	1.45	1,169	28.29	0.71
1950	2,335	52.55	1.29	2,635	61.20	1.49	1,257	29.18	0.73
1951	2,500	58.43	1.40	2,821	67.83	1.60	1,329	31.95	0.80
1952	2,653	60.30	1.43	2,936	68.54	1.59	1,691	34.74	0.87
1953	2,775	62.82	1.55	3,122	72.01	1.76	1,539	35.48	0.91
1954	2,861	65.91	1.55	3,228	76.73	1.84	1,498	35.64	0.92
1955	2,993	66.43	1.62	3,372	76.48	1.82	1,669	37.88	0.99
1956	3,267	71.00	1.75	3,729	82.64	2.00	1,764	39.06	1.02
New Brunswick:									
1946	1,879	40.33	0.93	2,165	48.25	1.09	1,018	22.68	0.55
1948	2,204	46.70	1.09	2,516	55.94	1.28	1,208	26.86	0.67
1949	2,233	48.42	1.13	2,568	57.64	1.32	1,243	27.88	0.69
1950	2,404	51.60	1.23	2,774	61.40	1.43	1,298	28.71	0.73
1951	2,757	57.65	1.38	3,175	68.64	1.61	1,467	31.72	0.79
1952	2,910	61.83	1.49	3,258	71.50	1.69	1,867	35.44	0.90
1953	3,096	62.96	1.54	3,564	73.48	1.79	1,711	35.25	0.87
1954	3,117	66.18	1.64	3,593	77.96	1.91	1,660	35.98	0.93
1955	3,125	68.26	1.69	3,579	79.35	1.92	1,700	37.70	0.99
1956	3,351	70.98	1.74	3,820	82.30	1.98	1,887	40.63	1.06
Quebec:									
1946	2,298	44.57	1.07	2,667	53.30	1.25	1,334	26.63	0.67
1948	2,699	52.39	1.29	3,119	62.20	1.50	1,581	31.52	0.81
1949	2,812	54.66	1.35	3,256	64.41	1.57	1,670	33.05	0.85
1950	2,981	58.10	1.46	3,461	68.13	1.68	1,747	34.41	0.90
1951	3,241	64.67	1.63	3,769	75.77	1.88	1,858	37.32	0.98
1952	3,482	68.88	1.74	3,929	79.92	2.00	2,310	40.52	1.06
1953	3,670	72.23	1.84	4,260	84.12	2.12	2,143	42.33	1.12
1954	3,827	76.32	1.96	4,432	88.64	2.25	2,243	44.83	1.19
1955	3,959	79.25	2.02	4,578	91.26	2.30	2,344	46.74	1.23
1956	4,141	84.10	2.16	4,790	96.89	2.46	2,443	49.40	1.31
Ontario:									
1946	2,356	43.82	1.08	2,849	54.19	1.31	1,359	25.87	0.66
1948	2,816	53.63	1.35	3,373	65.20	1.61	1,626	31.40	0.82
1949	2,990	55.32	1.39	3,563	66.81	1.65	1,746	32.74	0.86
1950	3,150	59.81	1.52	3,749	71.40	1.79	1,830	34.84	0.91
1951	3,489	67.29	1.73	4,135	79.67	2.02	2,051	39.49	1.04
1952	3,691	72.73	1.87	4,236	85.77	2.17	2,461	42.24	1.12
1953	3,892	75.69	1.96	4,609	89.28	2.28	2,281	44.23	1.18
1954	4,030	79.67	2.05	4,774	93.91	2.40	2,334	45.88	1.22
1955	4,156	82.47	2.13	4,885	96.52	2.46	2,433	48.03	1.27
1956	4,413	87.14	2.25	5,200	102.19	2.61	2,553	50.18	1.33
Manitoba:									
1946	2,090	41.46	0.97	2,432	48.93	1.13	1,182	23.76	0.58
1948	2,563	49.68	1.19	2,981	58.98	1.39	1,404	28.21	0.70
1949	2,729	52.98	1.28	3,150	62.19	1.48	1,534	30.30	0.76
1950	2,818	54.21	1.33	3,239	62.42	1.51	1,662	32.01	0.80
1951	3,050	60.57	1.50	3,519	70.20	1.73	1,756	35.06	0.89
1952	3,219	64.14	1.61	3,638	73.66	1.82	2,114	37.27	0.97
1953	3,419	66.35	1.66	3,955	76.47	1.90	1,966	37.98	0.98
1954	3,525	68.30	1.74	4,083	79.10	1.99	2,050	39.67	1.04
1955	3,632	70.57	1.78	4,203	81.04	2.02	2,114	40.76	1.07
1956	3,797	73.17	1.86	4,398	84.24	2.11	2,190	41.95	1.10
Saskatchewan:									
1946	1,654	38.78	0.90	1,882	46.10	1.06	988	24.20	0.59
1948	1,937	44.90	1.07	2,216	54.52	1.29	1,148	28.25	0.69
1949	2,085	45.18	1.07	2,364	53.23	1.25	1,300	29.30	0.71
1950	2,317	49.76	1.18	2,640	58.13	1.37	1,468	32.34	0.78
1951	2,444	56.35	1.36	2,764	64.97	1.56	1,584	37.25	0.91
1952	2,605	58.08	1.40	2,871	67.22	1.60	1,883	38.11	0.95
1953	2,809	61.30	1.51	3,167	71.66	1.74	1,774	40.16	1.02
1954	2,925	63.96	1.58	3,305	74.68	1.84	1,844	41.65	1.04
1955	3,065	66.24	1.64	3,472	76.35	1.88	1,951	42.88	1.08
1956	3,358	69.51	1.73	3,817	79.64	1.97	2,160	45.07	1.14

TABLE 39. Average Annual, Weekly and Hourly Earnings of Administrative and Office Employees in the Manufacturing Industries, by Provinces, 1946-56 — Concluded

Year and province	All employees			Male employees			Female employees		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	dollars								
Alberta:									
1946	1,812	39.34	0.92	2,065	46.30	1.06	1,055	23.66	0.57
1948	2,122	48.20	1.13	2,382	55.81	1.29	1,239	29.04	0.71
1949	2,311	51.80	1.23	2,610	60.06	1.40	1,334	30.72	0.76
1950	2,454	55.05	1.33	2,777	62.62	1.50	1,441	32.47	0.82
1951	2,558	62.06	1.50	2,870	71.12	1.71	1,487	36.86	0.92
1952	2,888	67.20	1.66	3,183	76.73	1.88	1,919	40.55	1.03
1953	3,081	69.93	1.75	3,484	79.64	1.97	1,840	42.05	1.08
1954	3,240	74.38	1.85	3,685	85.34	2.11	1,857	43.04	1.10
1955	3,313	75.60	1.90	3,755	86.18	2.13	1,900	43.61	1.13
1956	3,672	80.71	2.02	4,161	91.71	2.28	2,122	46.77	1.20
British Columbia:									
1946	2,200	46.59	1.11	2,499	54.10	1.28	1,264	27.36	0.67
1948	2,522	56.38	1.39	2,835	65.16	1.59	1,451	33.40	0.85
1949	2,758	57.91	1.43	3,133	66.92	1.64	1,579	33.73	0.85
1950	2,871	60.83	1.53	3,242	69.77	1.74	1,637	35.23	0.90
1951	3,174	71.10	1.78	3,606	81.66	2.03	1,767	40.03	1.02
1952	3,414	74.54	1.88	3,785	84.76	2.12	2,131	42.00	1.10
1953	3,609	78.41	1.99	4,075	89.70	2.26	1,993	43.84	1.14
1954	3,796	81.81	2.08	4,305	93.83	2.36	2,075	45.22	1.18
1955	4,079	85.00	2.16	4,618	97.12	2.44	2,258	47.53	1.24
1956	4,265	89.54	2.28	4,900	102.47	2.60	2,372	49.61	1.30

TABLE 40. Average Annual, Weekly and Hourly Earnings of Administrative and Office Employees in the Manufacturing Industries, by Industrial Groups, 1946-56

Year and group	All employees			Male employees			Female employees		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	dollars								
Foods and beverages:									
1946	1,990	41.33	0.98	2,314	49.90	1.16	1,141	24.62	0.61
1948	2,384	52.01	1.26	2,792	62.62	1.47	1,348	30.24	0.77
1949	2,518	52.31	1.27	2,930	62.27	1.48	1,490	31.64	0.80
1950	2,693	55.06	1.35	3,129	64.05	1.54	1,608	32.92	0.84
1951	2,941	61.78	1.53	3,406	71.15	1.73	1,785	37.29	0.95
1952	3,103	64.68	1.60	3,500	73.74	1.79	2,145	39.65	1.03
1953	3,325	68.37	1.71	3,856	78.32	1.93	2,044	41.55	1.08
1954	3,476	70.78	1.78	4,027	81.40	2.03	2,122	42.87	1.12
1955	3,566	73.42	1.84	4,119	83.50	2.06	2,204	44.67	1.17
1956	3,722	76.93	1.93	4,307	87.51	2.17	2,317	47.08	1.23
Tobacco and tobacco products:									
1946	2,371	39.94	0.97	2,913	51.45	1.22	1,424	25.17	0.62
1948	2,863	52.47	1.31	3,412	64.94	1.59	1,836	34.92	0.89
1949	3,109	54.17	1.35	3,667	65.26	1.61	2,057	36.63	0.93
1950	3,256	57.86	1.51	3,821	67.18	1.74	2,247	39.48	1.04
1951	3,665	66.73	1.79	4,390	78.21	2.09	2,379	42.41	1.15
1952	3,922	68.33	1.82	4,408	78.96	2.09	3,055	47.34	1.27
1953	4,351	73.72	1.98	5,149	86.27	2.31	2,930	49.05	1.32
1954	4,565	79.50	2.11	5,410	93.84	2.48	3,078	53.44	1.44
1955	4,732	84.12	2.23	5,556	98.20	2.58	3,211	56.74	1.52
1956	4,954	85.50	2.26	5,840	101.57	2.68	3,230	56.19	1.49
Rubber products:									
1946	2,289	44.97	1.11	2,776	54.64	1.34	1,280	25.17	0.64
1948	2,800	51.84	1.32	3,333	61.95	1.56	1,606	29.88	0.78
1949	2,974	53.70	1.37	3,491	63.53	1.60	1,697	30.90	0.81
1950	3,070	58.09	1.47	3,597	67.97	1.70	1,759	33.26	0.86
1951	3,361	63.90	1.67	3,926	74.59	1.94	1,967	37.40	0.98
1952	3,572	67.63	1.75	3,999	78.53	2.01	2,415	40.87	1.03
1953	3,632	71.04	1.83	4,210	82.25	2.10	2,143	41.84	1.10
1954	3,977	74.07	1.89	4,630	85.57	2.17	2,371	43.80	1.15
1955	4,056	75.13	1.93	4,732	86.67	2.21	2,399	43.95	1.15
1956	4,231	79.77	2.06	4,946	92.31	2.36	2,518	46.94	1.23
Leather products:									
1946	2,398	37.93	0.88	2,795	45.12	1.01	1,465	23.66	0.59
1948	2,898	47.20	1.14	3,409	56.83	1.34	1,684	28.08	0.72
1949	3,033	48.95	1.18	3,533	57.94	1.36	1,819	29.86	0.76
1950	3,103	51.36	1.25	3,640	61.26	1.45	1,838	30.92	0.79
1951	3,264	56.30	1.40	3,795	66.47	1.61	1,958	34.33	0.90
1952	3,396	58.74	1.45	3,864	69.22	1.68	2,326	35.35	0.92
1953	3,623	61.71	1.55	4,256	73.25	1.80	2,162	37.24	0.98
1954	3,674	64.44	1.63	4,339	77.23	1.91	2,187	38.96	1.03
1955	3,782	66.17	1.66	4,473	78.49	1.92	2,268	39.81	1.05
1956	3,943	68.91	1.74	4,662	81.65	2.02	2,401	42.06	1.11

TABLE 40. Average Annual, Weekly and Hourly Earnings of Administrative and Office Employees in the Manufacturing Industries, by Industrial Groups, 1946-1956 - Continued

Year and group	All employees			Male employees			Female employees		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
dollars									
Textile products (except clothing):									
1946	2,675	48.08	1.16	3,338	59.30	1.39	1,522	27.07	0.69
1948	3,111	53.32	1.30	3,856	66.48	1.58	1,742	30.02	0.77
1949	3,199	53.69	1.31	3,884	65.47	1.56	1,864	31.46	0.80
1950	3,369	58.61	1.46	4,134	71.48	1.75	1,914	33.08	0.86
1951	3,655	65.41	1.64	4,465	79.67	1.97	2,063	36.78	0.96
1952	3,700	68.65	1.74	4,313	82.79	2.07	2,480	39.50	1.03
1953	3,827	70.73	1.78	4,635	84.77	2.09	2,234	40.87	1.07
1954	3,951	72.94	1.86	4,796	88.28	2.21	2,269	41.80	1.10
1955	4,027	75.10	1.87	4,874	88.74	2.17	2,354	42.83	1.12
1956	4,209	78.29	2.00	5,070	92.79	2.34	2,454	44.89	1.19
Clothing including knitting mills:									
1946	2,580	38.00	0.92	3,124	47.65	1.12	1,646	25.13	0.63
1948	3,004	45.97	1.12	3,691	58.76	1.39	1,897	30.22	0.77
1949	3,132	48.04	1.18	3,817	60.25	1.45	2,031	32.08	0.82
1950	3,233	51.12	1.28	3,964	64.27	1.57	2,057	33.33	0.86
1951	3,375	57.54	1.46	4,157	72.45	1.79	2,116	36.85	0.96
1952	3,561	60.73	1.54	4,136	76.11	1.89	2,639	38.74	1.01
1953	3,674	62.41	1.58	4,541	78.81	1.94	2,316	40.18	1.05
1954	3,763	66.24	1.68	4,662	84.43	2.09	2,308	41.82	1.10
1955	3,859	66.94	1.68	4,742	83.18	2.04	2,471	43.34	1.12
1956	4,103	69.75	1.77	5,066	87.29	2.16	2,634	45.38	1.19
Wood products:									
1946	1,419	42.65	0.98	1,527	50.08	1.11	760	24.92	0.62
1948	1,727	51.99	1.23	1,853	60.46	1.39	917	29.93	0.76
1949	1,905	54.15	1.28	2,038	62.56	1.44	1,015	31.14	0.79
1950	2,079	56.92	1.37	2,227	65.90	1.55	1,109	32.85	0.84
1951	2,250	64.48	1.55	2,407	74.34	1.75	1,204	37.16	0.96
1952	2,366	67.77	1.63	2,505	77.06	1.81	1,435	38.83	1.01
1953	2,534	71.35	1.73	2,717	81.52	1.94	1,342	40.28	1.05
1954	2,597	74.01	1.81	2,788	84.81	2.03	1,374	41.79	1.09
1955	2,879	76.34	1.87	3,094	86.53	2.07	1,572	44.02	1.15
1956	3,140	78.87	1.93	3,396	89.31	2.15	1,715	45.06	1.18
Paper products:									
1946	2,831	52.29	1.28	3,374	62.49	1.50	1,481	27.45	0.70
1948	3,475	62.64	1.56	4,069	73.69	1.81	1,921	34.82	0.90
1949	3,679	65.57	1.64	4,354	77.41	1.92	1,964	34.88	0.91
1950	3,866	68.96	1.76	4,576	81.14	2.05	2,009	35.64	0.94
1951	4,338	79.57	2.05	5,147	93.92	2.39	2,224	40.60	1.07
1952	4,618	83.19	2.17	5,318	97.11	2.51	2,803	43.80	1.17
1953	4,808	87.68	2.31	5,693	102.39	2.67	2,550	45.92	1.24
1954	4,950	93.19	2.47	5,863	109.16	2.88	2,603	48.45	1.31
1955	5,046	95.20	2.53	5,985	111.47	2.93	2,663	49.55	1.34
1956	5,276	101.05	2.69	6,243	117.86	3.13	2,809	53.03	1.44
Printing, publishing and allied industries:									
1946	2,084	37.07	0.93	2,479	45.76	1.13	1,316	24.30	0.62
1948	2,400	43.75	1.12	2,860	53.76	1.36	1,533	28.82	0.75
1949	2,368	46.55	1.20	2,879	57.12	1.46	1,526	30.30	0.80
1950	2,500	50.71	1.33	3,040	61.75	1.61	1,602	32.56	0.86
1951	2,749	57.20	1.50	3,352	69.61	1.81	1,773	36.83	0.97
1952	3,003	61.13	1.61	3,498	74.67	1.97	2,200	38.48	1.02
1953	3,142	63.88	1.71	3,840	78.01	2.09	2,016	40.95	1.11
1954	3,258	67.30	1.79	4,029	83.19	2.20	2,043	42.14	1.13
1955	3,412	68.54	1.82	4,179	84.02	2.22	2,181	43.84	1.18
1956	3,544	74.50	2.00	4,359	91.91	2.45	2,214	46.72	1.26
Iron and steel products:									
1946	2,429	50.14	1.23	2,891	52.88	1.27	1,391	25.43	0.65
1948	2,865	53.41	1.33	3,358	63.09	1.55	1,617	30.35	0.79
1949	3,095	55.77	1.40	3,574	65.17	1.62	1,762	32.13	0.84
1950	3,215	59.71	1.51	3,715	69.29	1.74	1,817	33.91	0.89
1951	3,635	67.65	1.73	4,195	78.15	1.97	2,056	38.30	1.01
1952	3,879	71.71	1.83	4,369	82.53	2.09	2,473	40.62	1.07
1953	3,993	74.88	1.93	4,598	86.02	2.19	2,285	42.71	1.14
1954	4,212	78.30	2.01	4,815	89.57	2.29	2,412	44.83	1.19
1955	4,274	81.53	2.10	4,891	93.13	2.38	2,455	46.77	1.24
1956	4,497	86.51	2.23	5,172	99.50	2.54	2,534	48.75	1.29
Transportation equipment:									
1946	2,574	50.14	1.19	2,981	57.95	1.35	1,446	28.08	0.69
1948	3,087	59.72	1.44	3,494	68.03	1.62	1,768	34.44	0.86
1949	3,277	62.04	1.50	3,713	71.01	1.70	1,827	34.95	0.87
1950	3,521	66.98	1.62	3,980	76.07	1.82	1,998	38.21	0.96
1951	3,733	71.39	1.74	4,214	80.85	1.96	2,162	41.51	1.04
1952	3,909	77.61	1.86	4,346	87.79	2.07	2,516	44.92	1.15
1953	4,301	79.43	1.99	4,876	90.20	2.24	2,482	45.93	1.18
1954	4,391	84.40	2.09	4,954	95.28	2.34	2,507	48.22	1.24
1955	4,553	87.76	2.18	5,074	98.30	2.43	2,633	50.98	1.30
1956	4,744	92.25	2.30	5,292	103.42	2.55	2,752	53.81	1.38

TABLE 40. Average Annual, Weekly and Hourly Earnings of Administrative and Office Employees in the Manufacturing Industries, by Industrial Groups, 1946-56 - Concluded

Year and group	All employees			Male employees			Female employees		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
dollars									
Non-ferrous metal products:									
1946	2,590	47.22	1.14	3,061	57.07	1.35	1,488	27.71	0.69
1948	2,921	57.70	1.41	3,426	68.57	1.64	1,644	32.91	0.84
1949	3,189	60.25	1.47	3,776	71.43	1.71	1,794	33.95	0.88
1950	3,349	63.55	1.59	3,938	74.95	1.85	1,855	35.27	0.92
1951	3,585	73.63	1.86	4,188	85.63	2.13	1,968	40.21	1.06
1952	3,870	78.70	2.02	4,402	90.39	2.29	2,373	42.39	1.12
1953	4,057	80.30	2.04	4,693	93.16	2.34	2,239	44.44	1.18
1954	4,336	85.75	2.21	4,994	97.90	2.50	2,372	46.53	1.24
1955	4,591	86.55	2.24	5,272	99.21	2.54	2,589	48.75	1.31
1956	4,637	91.28	2.38	5,366	104.06	2.69	2,624	50.89	1.36
Electrical apparatus and supplies:									
1946	2,267	45.46	1.15	2,732	54.74	1.37	1,382	27.68	0.72
1948	2,767	52.96	1.36	3,267	62.39	1.59	1,735	33.14	0.87
1949	2,990	55.15	1.41	3,489	64.32	1.64	1,877	34.58	0.90
1950	3,083	58.61	1.52	3,608	68.11	1.76	1,905	35.99	0.95
1951	3,468	64.82	1.67	4,055	75.51	1.92	2,060	38.37	1.02
1952	3,691	70.83	1.84	4,170	81.92	2.11	2,527	42.95	1.14
1953	3,925	75.07	1.95	4,565	87.17	2.25	2,360	45.04	1.19
1954	4,052	78.36	2.02	4,736	90.46	2.31	2,449	46.73	1.23
1955	4,067	83.39	2.15	4,691	95.57	2.44	2,472	50.38	1.32
1956	4,416	88.71	2.27	5,127	102.73	2.61	2,533	50.74	1.32
Non-metallic mineral products:									
1946	2,134	43.29	1.05	2,444	50.47	1.19	1,256	25.96	0.66
1948	2,642	53.45	1.32	3,005	62.03	1.50	1,512	31.22	0.82
1949	2,837	53.94	1.35	3,218	62.87	1.54	1,635	31.96	0.85
1950	2,970	58.29	1.47	3,388	67.41	1.67	1,701	33.85	0.89
1951	3,297	66.34	1.69	3,793	76.94	1.93	1,904	38.61	1.03
1952	3,511	71.45	1.86	3,951	82.48	2.12	2,276	41.15	1.12
1953	3,736	74.31	1.90	4,304	85.84	2.15	2,174	43.36	1.17
1954	3,852	77.54	1.99	4,392	89.31	2.26	2,214	45.01	1.21
1955	4,095	81.04	2.05	4,644	92.20	2.30	2,364	46.97	1.25
1956	4,242	85.90	2.20	4,786	97.73	2.47	2,412	49.22	1.32
Products of petroleum and coal:									
1946	2,412	47.66	1.21	2,747	54.05	1.35	1,338	26.33	0.69
1948	2,925	59.97	1.57	3,258	66.31	1.72	1,753	35.68	0.96
1949	3,100	61.40	1.62	3,490	68.49	1.77	1,769	34.70	0.96
1950	3,260	65.59	1.79	3,662	72.64	1.94	1,941	38.52	1.13
1951	3,662	74.52	1.94	4,147	81.92	2.12	2,161	42.72	1.15
1952	4,092	95.23	2.60	4,620	108.63	2.94	2,504	51.57	1.44
1953	4,217	98.27	2.64	4,881	111.87	2.98	2,309	52.95	1.46
1954	4,265	101.28	2.75	4,944	116.07	3.14	2,309	54.20	1.50
1955	4,458	105.76	2.87	5,148	121.46	3.27	2,322	54.77	1.51
1956	5,217	110.54	3.00	5,975	126.42	3.42	2,731	57.72	1.60
Chemicals and allied products:									
1946	2,386	43.88	1.11	2,946	55.92	1.40	1,426	27.08	0.70
1948	2,801	51.60	1.33	3,394	63.56	1.62	1,731	32.41	0.85
1949	2,883	54.89	1.42	3,481	67.30	1.72	1,782	34.46	0.91
1950	3,035	59.87	1.56	3,671	71.22	1.84	1,858	36.05	0.96
1951	3,379	66.37	1.72	4,061	78.79	2.03	2,079	40.31	1.06
1952	3,626	71.48	1.86	4,205	84.46	2.18	2,527	42.95	1.13
1953	3,808	74.59	1.95	4,581	88.12	2.29	2,336	44.90	1.19
1954	4,083	79.70	2.10	4,929	94.51	2.47	2,460	47.16	1.25
1955	4,206	82.41	2.15	5,034	96.63	2.50	2,582	49.53	1.31
1956	4,509	87.38	2.30	5,405	101.85	2.67	2,789	52.51	1.40
Miscellaneous industries:									
1946	2,298	39.89	0.93	2,797	51.41	1.23	1,393	25.62	0.66
1948	2,580	48.42	1.16	3,148	61.75	1.50	1,587	31.15	0.82
1949	2,816	50.47	1.25	3,435	63.44	1.54	1,700	31.43	0.84
1950	3,059	54.51	1.36	3,685	66.78	1.74	1,865	33.78	0.88
1951	3,246	60.89	1.57	3,960	75.50	1.88	1,925	36.73	0.99
1952	3,436	66.57	1.74	3,962	80.66	2.04	2,413	40.57	1.13
1953	3,733	69.21	1.78	4,053	84.11	2.14	2,027	42.08	1.11
1954	3,681	73.34	1.89	4,464	89.72	2.27	2,210	44.42	1.19
1955	3,900	75.26	1.93	4,713	91.55	2.29	2,338	45.45	1.21
1956	4,076	78.66	2.05	4,889	95.04	2.44	2,484	48.29	1.29

Office Workers and Other Salaries Employees.—A survey of weekly earnings of administrative and office employees, classified into (a) managerial and professional employees and (b) office workers, was undertaken for the first time in 1951 and repeated again in 1954. It is the intention to repeat this survey every third year in the future. According to Table 41 below average weekly salaries of all office and supervisory employees in 1954 averaged \$77.81. Male employees received \$90.99 and female employees \$45.00. The increase per week since 1951 for all employees totalled \$11.83, for males \$13.44 and for females \$6.58.

The average weekly salaries of office workers rose in the three years from \$51.14 to \$59.29, an advance of 15.9 p.c. as compared with 17.9 p.c. for all salaried employees. The average for men classed in the office group increased by \$10.26 to \$70.94, and for women by \$6.39 to \$44.16, representing an advance of 16.9 p.c. in each case. The upward movement was more pronounced in the durable goods division than in non-durables. Higher earnings for office workers were reported in 1954 in all provinces and industry groups, except tobacco and tobacco products, where the men's average salary, at \$68.31 was \$1.87 below the 1951 figure. The drop was caused mainly

by the transfer of a group of employees to a separately organized sales office since 1951 when they were paid well above the general level.

The residual group of salaried employees, composed mainly of managerial, professional and related staffs and professional salesmen, comprises a varied group, the composition of which may differ from firm to firm. Its components are affected not only by varying requirements for administrative and professional personnel but also by the extent to which proprietors

and firm members (excluded from the survey) undertake such duties, and by the organization of separate sales offices. The managerial and professional employees reported in 1951 averaged \$98.38 for the week; the men earned \$99.73 and the women \$57.04. Three years later, the averages were \$109.67 for both sexes, \$111.14 for men and \$64.89 for women. All industry groups and provinces reported higher earnings in 1954, raising the average salaries of the men to more than \$100 a week in most of the major industries in Canada.

TABLE 41. Average Weekly Earnings of the Administrative and Office Employees in the Manufacturing Industries of Canada, Classified on the basis of (a) Managerial and Professional Employees and (b) Office Workers, by Province and Industrial Group, 1951 and 1954¹

Province and group	All salaried employees			Managerial and professional employees			Office workers		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
dollars									
Province, 1951									
Newfoundland	62.04	70.71	30.80	116.20	121.37	--	47.02	52.93	30.19
Prince Edward Island	46.90	55.98	26.75	--	--	--	--	--	--
Nova Scotia	58.43	67.83	31.95	88.62	89.34	--	49.00	57.87	31.66
New Brunswick	57.65	68.64	31.72	93.40	93.54	--	44.96	53.97	31.51
Quebec	64.67	75.77	37.32	99.57	101.30	56.35	50.04	58.82	36.54
Ontario	67.29	79.67	39.49	98.81	100.13	57.80	52.02	62.44	38.86
Manitoba	60.57	70.20	35.06	87.91	88.56	--	47.28	55.69	34.53
Saskatchewan	56.35	64.97	37.25	79.53	79.98	--	44.73	51.31	36.97
Alberta	62.06	71.12	36.86	89.23	89.66	--	49.32	57.25	36.48
British Columbia	71.10	81.66	40.03	100.95	101.78	59.14	55.75	65.46	39.52
Canada	65.98	77.55	38.42	98.38	99.73	57.04	51.14	60.68	37.77
Industrial group, 1951									
Foods and beverages	61.78	71.15	37.29	86.89	87.54	57.65	48.31	56.49	36.72
Tobacco and tobacco products	66.73	78.21	42.41	87.06	86.56	--	56.47	70.18	41.53
Rubber products	63.90	74.59	37.40	97.48	98.26	--	48.40	56.32	37.09
Leather products	56.30	66.47	34.33	90.22	91.58	--	45.78	53.97	33.56
Textile products (except clothing)	65.41	79.67	36.78	103.41	105.45	54.65	48.21	58.75	36.08
Clothing, including knitting mills	57.54	72.45	36.85	95.67	99.62	58.38	44.92	55.32	35.55
Wood products	64.48	74.34	37.16	96.70	97.48	59.47	52.56	61.33	36.69
Paper products	79.57	93.92	40.60	125.26	126.91	58.22	56.87	67.67	40.06
Printing, publishing and allied industries	57.20	69.61	36.83	90.05	93.55	54.20	45.02	53.89	35.65
Iron and steel products	67.65	78.15	38.30	101.60	102.32	58.37	53.99	63.14	37.94
Transportation equipment	71.39	80.85	41.51	104.15	104.51	60.71	57.79	66.15	41.32
Non-ferrous metal products	73.63	85.63	40.21	100.99	101.79	57.75	52.87	63.70	39.67
Electrical apparatus and supplies	64.82	75.51	38.37	96.41	97.51	57.99	52.67	62.06	37.83
Non-metallic mineral products	66.34	76.94	38.61	97.87	98.31	--	50.64	59.17	38.24
Products of petroleum and coal	74.52	81.92	42.72	99.87	101.13	--	56.48	63.15	40.72
Chemicals and allied products	66.37	78.79	40.31	93.97	95.77	55.44	47.81	56.55	39.41
Miscellaneous industries	60.89	75.50	36.73	95.30	97.11	52.44	45.96	56.66	36.20
Province, 1954									
Newfoundland	71.39	80.34	37.55	112.28	112.78	--	53.32	60.20	37.01
Prince Edward Island	50.04	58.50	30.60	--	--	--	--	--	--
Nova Scotia	65.91	76.73	35.64	91.04	91.72	--	50.52	61.35	35.17
New Brunswick	66.18	77.96	35.98	96.48	97.32	--	51.71	62.69	35.61
Quebec	76.32	88.64	44.83	107.42	109.13	64.70	58.24	68.80	43.77
Ontario	79.67	93.91	45.88	112.90	114.38	66.15	60.58	73.22	45.09
Manitoba	68.30	79.10	39.67	96.31	97.38	58.43	53.52	63.35	39.00
Saskatchewan	63.96	74.68	41.65	85.69	86.34	--	50.57	60.27	41.30
Alberta	74.38	85.34	43.04	103.37	103.80	--	57.01	66.81	42.82
British Columbia	81.81	93.83	45.22	109.02	110.32	60.56	62.40	74.58	44.51
Canada	77.81	90.99	45.00	109.67	111.14	64.89	59.29	70.94	44.16
Industrial group, 1954									
Foods and beverages	70.78	81.40	42.87	93.93	94.68	59.38	54.81	65.06	42.33
Tobacco and tobacco products	79.50	93.84	53.44	105.52	106.59	--	57.85	68.31	51.06
Rubber products	74.07	85.57	43.80	107.27	107.27	--	55.75	64.87	43.24
Leather products	64.44	77.23	38.96	92.00	95.04	51.60	49.26	59.70	37.94
Textile products (except clothing)	72.94	88.28	41.80	107.28	108.98	60.52	51.19	62.10	40.99
Clothing including knitting mills	66.24	84.43	41.82	96.56	102.45	55.94	48.30	60.88	40.07
Wood products	74.01	84.81	41.79	101.31	101.97	59.23	56.42	66.58	41.36
Paper products	93.19	109.16	48.45	135.11	136.86	67.43	65.42	78.28	47.70
Printing, publishing and allied industries	67.30	83.19	42.14	105.92	108.44	67.64	51.68	63.28	40.92
Iron and steel products	78.30	89.57	44.88	111.19	111.81	67.79	60.52	70.42	44.43
Transportation equipment	84.40	95.28	48.22	119.86	120.40	71.21	69.64	80.01	47.90
Non-ferrous metal products	85.75	97.90	46.53	113.05	114.06	61.79	64.44	77.08	45.96
Electrical apparatus and supplies	78.36	90.46	46.73	111.58	112.43	71.90	63.44	74.58	46.13
Non-metallic mineral products	77.54	89.31	45.01	109.49	110.18	--	58.33	68.21	44.44
Products of petroleum and coal	101.28	116.07	54.20	138.05	142.07	74.81	61.61	69.59	51.13
Chemicals and allied products	79.70	94.51	47.16	107.44	108.94	71.72	56.30	68.97	45.62
Miscellaneous industries	73.34	89.72	44.42	105.69	107.61	62.80	54.06	66.95	43.57

¹ Taken from the annual reports "Earnings and Hours of Work in Manufacturing", compiled by the Employment Section of the Labour Division. The term "Administrative and Office Employees" as used by the annual survey of manufactures corresponds to the term "Salaried Employees" used by the Employment Section of the Labour Division.

-- Number too small to be significant.
-- Nil.

Distribution of Employees on the Basis of Weekly Earnings.— Prior to 1950 statistics on the distribution of employees on the basis of weekly earnings were compiled by the Industry and Merchandising Division in the annual census of manufactures. At first only wage-earners were covered and in 1944 salaried employees were also included. In 1946 this phase of manufacturing statistics was transferred to the Employment Section of the Labour Division. The 1950 survey which covered the last pay period in October made available data on the distribution of employees by earnings groups for the first time since the Census of Manufactures survey in January 1944. The data in the two surveys are not strictly comparable, largely because the earlier surveys included establishments employing less than 15 persons and were conducted for a different period of the year. Also the 1944 survey reflected wartime conditions.

Variation in the provincial distribution of employees by amounts earned are obviously related to pay levels, occupational and sex differences, number of casual and part-time workers, and length of the working week in the more important industries in each area. Most of the employees in the low-earnings ranges are casually-employed workers, or those who do not work full time in the week. Part-time work is particularly common among women; the 1952 survey showed that 11.9 p.c. of the female production workers reported in manufacturing worked 30 hours or less, as compared with 4.6 p.c. for men.

Short-time or casual work is characteristic of such industries as fish processing and fruit and vegetable canning, the duration of employment depending on the immediate availability of materials.

The tremendous change in the level of incomes of factory workers since the war is strikingly illustrated in Table 42. Whereas in 1940 only 3 p.c. of male and none of the female production workers received \$50 or more per week, in 1956 these percentages jumped to 85 and 24 respectively. The percentage of employees in the lower income groups declined accordingly. Whereas in 1940, 72 p.c. of male production workers received less than \$30 per week, in 1956 the percentage declined to 3. For female production workers the percentage in these groups declined from 99 to 28.

For office workers information on the distribution by income groups is only available for 1944, 1950, 1953 and 1956. Earnings by office workers, too, advanced to unprecedented heights. The percentage of male office workers receiving \$50 or more per week rose to 92 in 1956 from 39 in 1944, while for females the percentage in 1956 was 46 as compared with none in 1944. Tables 43 and 44 give the distribution by income groups of male and female production workers as well as office workers by provinces and major industrial groups for 1956.

TABLE 42. Distribution of Employees in the Manufacturing Industries, by Classes of Weekly Earnings, 1934-56

Year	Class range											Average weekly earnings
	Under \$10.00	\$10.00 to \$19.99	\$20.00 to \$29.99	\$30.00 to \$39.99	\$40.00 to \$49.99	\$50.00 to \$59.99	\$60.00 to \$69.99	\$70.00 to \$79.99	\$80.00 to \$89.99	\$90.00 to \$99.99	\$100.00 and over	
	per cent											\$
Male wage-earners:												
1934.....	12	43	32	10	2	1*						20.31
1936.....	10	40	35	11	3	1*						20.92
1940.....	6	29	37	19	6	3*						24.82
1944.....	3	9	25	31	20	9	2	1*				34.95
1950 ¹	1	2	5	14	26	28	14	6	2	1	1	50.93
1953 ¹	1	2	2	5	12	21	27	16	7	3	4	62.71
1956 ¹	--	1	2	4	8	14	22	20	13	7	9	70.67
Female wage-earners:												
1934.....	34	61	4	1	—	—	—	—	—	—	—	11.80
1936.....	30	65	4	1*								12.20
1940.....	23	68	8	1*								13.52
1944.....	10	45	33	10	2							20.89
1950 ¹	3	16	35	30	12	2	1	—	1	—	—	29.00
1953 ¹	3	9	26	28	20	10	3	1	--	--	--	35.07
1956 ¹	2	7	19	26	22	14	7	2	1	--	--	39.29
Male salaried employees:												
1944.....	1	6	13	21	20	15	9	15*				46.24
1950 ¹	—	1	5	8	13	19	17	12	8	5	12	69.35
1953 ¹	--	--	2	3	7	11	15	14	13	10	25	86.43
1956 ¹	--	--	1	2	5	7	10	12	13	12	38	99.05
Female salaried employees:												
1944.....	2	31	52	13	2	—	—	—	—	—	—	23.79
1950 ¹	—	4	27	43	19	5	1	1	—	—	—	34.38
1953 ¹	--	2	9	30	34	17	5	2	1	--	--	43.13
1956 ¹	--	1	4	18	31	25	12	5	2	1	1	49.31

¹ Statistics for 1950, 1953 and 1956 are taken from the annual reports "Earnings and Hours of Work in Manufacturing", compiled by the Employment Section of the Labour Division. The terms "wage-earners" and "salaried employees" in the above table correspond to the terms "production and related workers" and "administrative and office" employees in the annual survey of manufactures.

* And over

-- Number too small to be significant.

— Nil

TABLE 43. Distribution of Employees in the Manufacturing Industries, by Classes of Weekly Earnings and by Sex and Province, 1956

Province	Class range											Average weekly earnings
	Under \$20.00	\$20.00 to \$29.99	\$30.00 to \$39.99	\$40.00 to \$49.99	\$50.00 to \$59.99	\$60.00 to \$69.99	\$70.00 to \$79.99	\$80.00 to \$89.99	\$90.00 to \$99.99	\$100.00 to \$119.99	\$120.00 and over	
	per cent											\$
Male wage-earners:												
Newfoundland	9	7	9	10	12	12	13	9	5	7	7	65.52
Prince Edward Island ¹												47.92
Nova Scotia	3	6	9	17	20	19	13	7	4	2	--	58.19
New Brunswick	2	3	10	18	15	19	14	7	5	5	2	62.65
Quebec	1	3	5	11	17	22	18	10	5	5	3	67.56
Ontario	1	2	2	6	12	21	23	14	8	7	4	73.39
Manitoba	2	1	4	9	18	28	23	8	4	3	--	65.65
Saskatchewan	2	2	3	6	26	22	19	12	5	3	--	65.62
Alberta	1	1	2	7	18	28	22	11	6	3	1	67.96
British Columbia	1	1	2	3	7	26	23	19	9	6	3	75.53
Canada	1	2	4	8	14	22	20	13	7	6	3	70.67
Female wage-earners:												
Newfoundland	51	38	8	2	1	--	--	--	--	--	--	19.12
Prince Edward Island ¹												25.69
Nova Scotia	26	42	23	8	1	--	--	--	--	--	--	25.88
New Brunswick	20	35	26	14	4	1	--	--	--	--	--	29.36
Quebec	10	24	25	21	12	6	1	1	--	--	--	37.46
Ontario	6	14	27	24	17	8	3	1	--	--	--	41.69
Manitoba	9	26	31	18	11	4	1	--	--	--	--	35.76
Saskatchewan	10	18	25	22	16	8	--	1	--	--	--	38.23
Alberta	7	16	20	21	21	11	3	1	--	--	--	42.72
British Columbia	8	12	19	21	20	16	3	1	--	--	--	43.67
Canada	9	19	26	22	14	7	2	1	--	--	--	39.29
Male salaried employees:												
Newfoundland	1	5	7	12	12	7	8	8	9	11	20	87.32
Prince Edward Island ¹												66.64
Nova Scotia	--	1	4	9	13	13	11	13	11	13	12	82.64
New Brunswick	1	2	4	11	14	15	12	10	7	10	14	82.30
Quebec	1	1	3	6	8	11	12	12	10	15	21	96.89
Ontario	--	--	2	4	6	10	12	13	12	18	23	102.19
Manitoba	--	1	4	8	12	16	14	12	10	12	11	84.24
Saskatchewan	--	1	4	10	12	15	14	14	9	11	10	79.64
Alberta	1	1	2	4	9	12	15	14	11	15	16	91.71
British Columbia	--	--	2	3	5	8	11	14	15	20	22	102.47
Canada	--	1	2	5	7	10	12	13	12	17	21	99.05
Female salaried employees:												
Newfoundland	8	17	22	18	17	11	5	2	--	--	--	42.00
Prince Edward Island ¹												31.11
Nova Scotia	2	15	44	23	12	3	1	--	--	--	--	39.06
New Brunswick	2	16	34	27	13	4	3	--	1	--	--	40.63
Quebec	1	7	18	28	24	13	5	2	1	1	--	49.40
Ontario	1	3	16	32	27	13	5	2	1	--	--	50.18
Manitoba	1	8	33	35	15	6	2	--	--	--	--	41.95
Saskatchewan	1	2	25	40	23	6	2	1	--	--	--	45.07
Alberta	1	4	19	39	25	8	3	1	--	--	--	46.77
British Columbia	1	3	16	36	25	11	5	2	1	--	--	49.61
Canada	1	4	18	31	25	12	5	2	1	1	--	49.31

¹ Break down by class range not available.

-- Number too small to be significant.

- Nil.

TABLE 44. Distribution of Employees in the Manufacturing Industries, by Classes of Weekly Earnings, and by Sex and Industrial Group, 1956

Group	Class range											Average weekly earnings
	Under \$20.00	\$20.00 to \$29.99	\$30.00 to \$39.99	\$40.00 to \$49.99	\$50.00 to \$59.99	\$60.00 to \$69.99	\$70.00 to \$79.99	\$80.00 to \$89.99	\$90.00 to \$99.99	\$100.00 to \$119.99	\$120.00 and over	
	per cent											\$
Male wage-earners:												
Foods and beverages	3	3	6	11	19	23	20	8	4	3	--	62.35
Tobacco and tobacco products	2	1	2	4	10	38	23	10	6	4	--	70.10
Rubber products	2	1	2	6	14	19	19	17	10	9	1	74.79
Leather products	4	9	12	19	22	18	10	4	1	1	--	51.92
Textile products (except clothing)	2	3	8	22	27	18	12	5	2	1	--	56.89
Clothing, including knitting mills	3	7	10	15	17	17	12	8	5	5	1	59.78
Wood products	3	3	8	16	20	25	14	6	3	2	--	59.19
Paper products	1	1	2	4	8	20	21	15	11	11	6	80.45
Printing, publishing and allied industries	2	3	6	7	8	9	12	14	11	18	10	82.19
Iron and steel products	--	1	2	4	12	21	22	15	10	8	5	76.08
Transportation equipment	2	3	1	4	11	23	28	12	7	5	4	73.43
Non-ferrous metal products	1	1	2	4	9	19	28	24	8	3	1	74.82
Electrical apparatus and supplies	--	1	2	5	12	23	21	15	9	8	4	75.52
Non-metallic mineral products	1	1	2	6	16	28	21	13	6	5	1	70.61
Products of petroleum and coal	--	--	--	1	3	13	24	24	20	11	4	84.21
Chemicals and allied products	--	1	2	5	14	26	23	16	7	5	1	72.19
Miscellaneous industries	2	3	8	14	20	19	16	10	4	3	1	62.73
All groups	1	2	4	8	14	22	20	13	7	6	3	70.67
Female wage-earners:												
Foods and beverages	15	21	24	19	14	6	1	--	--	--	--	36.12
Tobacco and tobacco products	3	4	6	24	37	21	4	1	--	--	--	52.43
Rubber products	4	8	17	34	25	9	2	1	--	--	--	45.47
Leather products	10	30	33	17	7	2	1	--	--	--	--	33.06
Textile products (except clothing)	5	15	28	33	14	4	1	--	--	--	--	39.53
Clothing, including knitting mills	11	27	29	18	9	4	1	1	--	--	--	35.00
Wood products	7	14	25	21	12	17	3	1	--	--	--	43.38
Paper products	5	14	28	28	16	6	2	1	--	--	--	41.00
Printing, publishing and allied industries	8	18	29	26	11	5	2	1	--	--	--	38.83
Iron and steel products	3	8	17	22	24	18	6	2	--	--	--	49.05
Transportation equipment	4	4	11	20	21	28	8	3	1	--	--	53.40
Non-ferrous metal products	5	19	31	23	14	5	2	1	--	--	--	39.57
Electrical apparatus and supplies	2	6	18	24	28	14	5	2	1	--	--	49.89
Non-metallic mineral products	3	12	14	27	31	11	2	--	--	--	--	46.83
Products of petroleum and coal ¹												
Chemicals and allied products	4	12	25	35	17	5	1	1	--	--	--	41.70
Miscellaneous industries	7	24	34	17	10	6	2	--	--	--	--	37.26
All groups	9	19	26	22	14	7	2	1	--	--	--	39.29

¹ Breakdown by class range not available.

-- Number too small to be significant.

-- Nil.

TABLE 44. Distribution of Employees in the Manufacturing Industries, by Classes of Weekly Earnings, and by Sex and Industrial Group, 1956 — Concluded

Group	Class range											Average weekly earnings
	Under \$20.00	\$20.00 to \$29.99	\$30.00 to \$39.99	\$40.00 to \$49.99	\$50.00 to \$59.99	\$60.00 to \$69.99	\$70.00 to \$79.99	\$80.00 to \$89.99	\$90.00 to \$99.99	\$100.00 to \$119.99	\$120.00 and over	
	per cent											\$
Male salaried employees:												
Foods and beverages	--	1	3	7	11	14	16	14	10	11	13	87.51
Tobacco and tobacco products	--	--	1	5	7	11	19	13	11	12	21	101.57
Rubber products	--	--	2	5	9	12	14	15	13	13	17	92.31
Leather products	1	2	5	9	12	17	16	11	5	10	12	81.65
Textile products (except clothing)	--	1	3	5	10	13	16	13	9	13	17	92.79
Clothing, including knitting mills	--	3	6	8	10	13	13	10	7	12	18	87.29
Wood products	--	1	2	6	9	13	15	14	11	15	14	89.31
Paper products	--	--	1	3	4	8	10	12	11	16	35	117.86
Printing, publishing and allied industries	2	3	5	7	9	10	10	10	9	16	19	91.91
Iron and steel products	--	1	2	5	7	11	12	13	12	17	20	99.50
Transportation equipment	--	--	1	3	5	8	11	13	14	22	23	103.42
Non-ferrous metal products	--	--	2	3	6	8	10	13	15	20	23	104.06
Electrical apparatus and supplies	--	--	1	4	5	8	12	14	13	19	24	102.73
Non-metallic mineral products	--	--	2	4	7	13	14	14	12	15	19	97.73
Products of petroleum and coal	--	--	1	3	5	5	8	10	11	17	40	126.42
Chemicals and allied products	--	--	2	4	7	11	11	13	12	17	23	101.85
Miscellaneous industries	--	1	2	5	9	12	14	12	10	14	21	95.04
All groups	--	1	2	5	7	10	12	13	12	17	21	99.05
Female salaried employees:												
Foods and beverages	1	6	20	33	24	10	4	1	1	--	--	47.08
Tobacco and tobacco products	1	2	9	17	29	31	7	3	--	--	1	56.19
Rubber products	1	2	22	38	25	9	2	1	--	--	--	46.94
Leather products	2	14	29	28	17	6	3	1	--	--	--	42.06
Textile products (except clothing)	1	6	29	34	18	8	3	1	--	--	--	44.89
Clothing, including knitting mills	2	12	24	24	20	10	4	2	1	1	--	45.38
Wood products	1	8	24	34	19	9	3	1	1	--	--	45.06
Paper products	1	2	12	29	28	17	7	3	1	--	--	53.03
Printing, publishing and allied industries	3	7	24	30	19	9	4	2	1	1	--	46.72
Iron and steel products	1	4	18	34	25	11	4	2	1	--	--	48.75
Transportation equipment	--	2	11	26	31	21	6	2	1	--	--	53.81
Non-ferrous metal products	1	4	14	29	29	13	6	3	1	--	--	50.89
Electrical apparatus and supplies	1	2	17	33	28	12	5	1	1	--	--	50.74
Non-metallic mineral products	1	3	15	39	26	11	3	1	--	1	--	49.22
Products of petroleum and coal	--	1	5	23	32	20	9	4	3	3	--	57.72
Chemicals and allied products	--	2	13	34	28	13	6	2	1	1	--	52.51
Miscellaneous industries	1	4	17	33	28	11	3	2	--	1	--	48.29
All groups	1	4	18	31	25	12	5	2	1	1	--	49.31

-- Number too small to be significant.

-- Nil.

Real Earnings of Employees in Recent Years.—When the index number representing the average yearly earnings of production workers is divided by the consumer price index, on the same base, a measure of "real" income is obtained. Index numbers for 1931 to 1956 are given in Table 45. In 1933,

the height of the depression, real earnings were 63.9 on the 1949 base. From then on they rose steadily and stood at 101.5 in 1944, an increase of about 59 p.c. In 1946 real earnings dropped to 94.6 and from then on continued to rise each year. In 1956 the index stood at 128.5.

TABLE 45. Average Yearly Earnings, and Index Numbers of Earnings, Consumer Price Index and Real Earnings of Production Workers in the Manufacturing Industries, 1931 - 56

Year	Payments to production workers	Average number employed	Average yearly earnings	Index numbers (1949 = 100)		
				Average yearly earnings	Consumer price index	Real value of average yearly earnings
	\$	No.	\$			
1931	415, 277, 895	437, 149	950	46. 0	67. 9	67. 7
1932	322, 245, 926	381, 783	844	40. 8	61. 7	66. 1
1933	296, 929, 878	382, 022	777	37. 6	58. 8	63. 9
1934	355, 090, 929	427, 717	830	40. 2	59. 6	67. 4
1935	399, 012, 697	458, 734	870	42. 1	59. 9	70. 3
1936	438, 873, 377	489, 942	896	43. 3	61. 1	70. 9
1937	525, 743, 562	544, 624	965	46. 7	63. 0	74. 1
1938	498, 282, 208	521, 427	956	46. 3	63. 7	72. 7
1939	519, 971, 819	533, 342	975	47. 2	63. 2	74. 7
1940	679, 273, 104	626, 484	1, 084	52. 4	65. 7	79. 8
1941	978, 525, 782	802, 234	1, 220	59. 0	69. 6	84. 8
1942	1, 347, 934, 049	974, 904	1, 383	66. 9	72. 9	91. 8
1943	1, 598, 434, 879	1, 047, 873	1, 525	73. 8	74. 2	99. 5
1944	1, 611, 555, 776	1, 030, 324	1, 564	75. 7	74. 6	101. 5
1945	1, 427, 915, 830	928, 665	1, 538	74. 4	75. 0	99. 2
1946	1, 329, 811, 478	877, 150	1, 516	73. 3	77. 5	94. 6
1947	1, 611, 232, 166	940, 650	1, 713	82. 9	84. 8	97. 8
1948	1, 876, 773, 231	957, 491	1, 960	94. 8	97. 0	97. 7
1949	1, 963, 462, 720	949, 656	2, 067	100. 0	100. 0	100. 0
1950	2, 078, 634, 086	952, 244	2, 183	105. 6	102. 9	102. 6
1951	2, 459, 566, 313	1, 010, 588	2, 434	117. 8	113. 7	103. 6
1952	2, 713, 714, 909	1, 025, 355	2, 647	128. 1	116. 5	110. 0
1953	2, 940, 338, 939	1, 053, 226	2, 792	135. 1	115. 5	117. 0
1954	2, 821, 586, 476	989, 030	2, 853	138. 0	116. 2	118. 8
1955	2, 995, 267, 448	1, 010, 992	2, 963	143. 3	116. 4	123. 1
1956	3, 298, 666, 205	1, 051, 723	3, 136	151. 7	118. 1	128. 5

Percentages of Salaries and Wages to Net Value of Products.— Table 46 shows the relation between salaries and wages paid by manufacturers and the total net value of production. Figures of gross production are often used in such calculations, but the values out of which the wages of employees must come in the long run are the values added to the raw materials while they are in the factory. Such added values constitute the real production of the manufacturing plant and are alone available for payment of salaries and wages, interest, rent, taxes, repairs and all other overhead charges that ordinarily must be met. The percentage of salaries declined steadily with the increasing manufacturing production from 1924 to 1929, while from 1931 to

1935 and again in 1939 and 1954, due to decreased industrial activity, the percentage of salaries to value added was above normal. It should be borne in mind, however, that salaried employees increased 364 p.c. during the period 1917-56 while wage-earners increased 94 p.c. The percentage of wages has fluctuated much less than that of salaries. The number of wage-earning employees may be more rapidly adjusted to the activity of the industry and wage levels likewise may be more readily adjusted to the price levels of the products. Of the increase in the net value of production since 1939 amounting to \$8,074,372,678, \$3,832,881,037 or 47.5 p.c. was passed along in increased salaries and wages.

TABLE 46. Percentage of Salaries and Wages Paid to the Value Added by Manufacture, Significant Years, 1917-56

	Value added by manufacture ¹	Payments to		Percentages		
		Administrative and office workers	Production workers	Office payments to value added	Production payments to value added	Total payments to value added
		dollars		per cent		
1917	1,281,131,980	85,353,667	412,448,177	6.7	32.2	38.9
1920	1,621,273,348	141,837,361	575,656,515	8.7	35.5	44.2
1921	1,123,694,263	130,094,076	367,305,685	11.6	32.7	44.3
1926	1,305,163,549	142,353,900	483,328,342	10.9	37.0	47.9
1929	1,755,386,937	175,553,710	601,737,507	10.0	34.3	44.3
1933	919,671,181	139,317,946	296,929,878	15.1	32.3	47.4
1937	1,508,924,867	195,983,475	525,743,562	13.0	34.8	47.8
1939	1,531,051,901	217,839,334	519,971,819	14.2	34.0	48.2
1944	4,015,776,010	418,065,594	1,611,555,776	10.4	40.2	50.6
1945	3,564,315,899	417,857,619	1,427,915,830	11.7	40.1	51.8
1946	3,467,004,980	410,875,776	1,329,811,478	11.8	38.4	50.2
1947	4,292,055,802	474,693,800	1,611,232,166	11.0	37.6	48.6
1948	4,938,786,981	532,594,959	1,876,773,231	10.8	38.0	48.8
1949	5,330,566,434	628,427,937	1,963,462,720	11.8	36.8	48.6
1950	5,942,058,229	692,633,349	2,078,634,086	11.6	35.0	46.6
1951	6,940,946,783	816,714,604	2,459,566,313	11.8	35.4	47.2
1952	7,443,533,199	923,905,251	2,713,714,909	12.4	36.5	48.9
1953	7,993,069,351	1,016,679,409	2,940,338,939	12.7	36.8	49.5
1954	7,902,124,137	1,075,101,215	2,821,586,476	13.6	35.7	49.3
1955	8,753,450,496	1,147,142,086	2,995,267,448	13.1	34.2	47.3
1956	9,605,424,579	1,272,025,985	3,298,666,205	13.2	34.4	47.6

¹ Equivalent to "net value of products". see footnote 1, Table 1.

Subsection 6. Size of Manufacturing Establishments

The size of the manufacturing establishment is generally measured either by the value of product or by the number of employees, but each of these methods has its limitations. The latter takes no account of the differences in capital equipment at different times or in various industries and obviously the increased use of machinery, as in the flour-milling industry, may lead to an increase in production concurrently with a decrease in number of employees. The former measure has to be adjusted for changes in the price level and, as between industries, it makes those in which the cost of raw materials is relatively high appear to operate on a larger scale.

Size as Measured by Gross Value of Products.—While in 1922 the 420 establishments each producing over \$1,000,000 had an aggregate value of products of \$1,268,056,129 or 51 p.c. of the total production of all manufacturing industries, the 719 establishments producing over \$1,000,000 each in 1929

had an aggregate value of products of \$2,516,064,954, or 62 p.c. of the grand total for all manufacturing establishments—a very significant change in the short period of eight years. In 1931, however, the number of plants with a production of over \$1,000,000 dropped again to 482, their output being valued at \$1,451,658,954, or 53 p.c. of the total. With the increased production resulting from war needs, the number of plants with a production of \$1,000,000 or over jumped to 1,376 in 1944 and their output was about 75 p.c. of the total value of manufactures. With the end of the war and the consequent decline in production of the huge war plants the number of establishments with a production of \$1,000,000 or over, although increasing to 1,442 in 1946, nevertheless saw a decline in the proportion of their output to 67 p.c. of the total. With increased prices and an expansion in the physical volume of production during 1947 to 1956, establishments with a production of \$1,000,000 or over increased to 2,979 while their contribution to the total output rose to 81 p.c.

TABLE 47. Manufacturing Establishments, Classified According to Gross Value of Products 1929, 1939, 1944 and 1956

Group of gross values	1929 ¹			1939 ²		
	Estab- lishments	Total production	Average per estab- lishment	Estab- lishments	Total production	Average per estab- lishment
	No.	\$	\$	No.	\$	\$
Under \$25,000	14,024	106,735,470	7,611	15,623	120,903,054	7,739
\$ 25,000 but under \$ 50,000	2,802	99,529,725	35,521	2,803	99,558,383	35,519
50,000 " 100,000	2,209	156,308,744	70,760	2,215	156,410,769	70,614
100,000 " 200,000	1,688	237,532,492	140,718	1,584	225,582,130	142,413
200,000 " 500,000	1,519	504,218,217	331,941	1,285	390,626,844	303,990
500,000 " 1,000,000	636	443,597,677	697,481	689	466,441,130	676,983
1,000,000 " 5,000,000	601	1,217,866,089	2,026,400	520	1,091,293,939	2,098,642
5,000,000 and over	118	1,298,198,865	11,001,685	81	923,724,311	11,404,004
Totals and averages	23,597	4,063,987,279	172,225	24,800	3,474,540,560	140,102
	1944			1956 ³		
	Estab- lishments	Total production	Average per estab- lishment	Estab- lishments	Total production	Average per estab- lishment
	No.	\$	\$	No.	\$	\$
Under \$25,000	13,942	128,782,147	9,237	14,016	133,408,345	9,518
\$ 25,000 but under \$ 50,000	4,011	143,023,914	35,658	4,980	179,826,287	36,110
50,000 " 100,000	3,442	245,273,500	71,259	4,905	352,055,444	71,775
100,000 " 200,000	2,513	355,235,489	141,359	4,266	608,290,084	142,590
200,000 " 500,000	2,256	714,546,348	316,731	4,149	1,313,515,996	316,586
500,000 " 1,000,000	943	661,670,696	701,666	2,133	1,494,648,452	700,726
1,000,000 " 5,000,000	1,089	2,294,546,053	2,107,021	2,284	4,793,887,428	2,098,900
5,000,000 and over	287	4,530,614,372	15,786,113	695	12,761,116,950	18,361,319
Totals and averages	28,483	9,073,692,519	318,565	37,428	21,636,748,986	578,090

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

² Exclusive of Yukon and the Northwest Territories.

³ The figures for 1956 are "value of factory shipments" and not "production". They also include Newfoundland.

TABLE 48. Manufacturing Establishments Classified According to Selling Value of Factory Shipments, by Industrial Group, 1956

Industrial group, by size	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			
Canada:						
Under \$10,000	8,167	10,992	11,404,528	1,216,309	16,746,668	36,042,289
\$ 10,000 to \$ 24,999	5,849	17,789	32,088,600	2,940,079	44,019,219	97,366,056
25,000 " 49,999	4,980	27,803	58,348,586	4,584,658	84,248,053	179,826,287
50,000 " 99,999	4,905	45,022	106,757,717	8,170,668	175,725,418	352,055,444
100,000 " 199,999	4,266	64,955	167,454,427	12,264,238	323,974,525	608,290,084
200,000 " 499,999	4,149	125,306	346,033,921	22,319,225	693,959,204	1,313,515,996
500,000 " 999,999	2,133	127,965	371,224,539	24,162,638	789,126,808	1,494,648,452
1,000,000 " 4,999,999	2,284	349,694	1,130,319,793	85,424,603	2,503,484,257	4,793,887,428
5,000,000 and over	695	566,942	2,255,422,338	362,830,098	7,090,179,656	12,761,116,950
Head Offices ¹	—	16,552	91,637,741	28,190	73,081	—
Totals	37,428	1,353,020	4,570,692,190	523,940,706	11,721,536,889	21,636,748,986

¹ Under this heading are included only those head offices which are not located at the plant.

**TABLE 48. Manufacturing Establishments Classified According to Selling Value of Factory Shipments,
by Industrial Group, 1956 — Continued**

Industrial group, by size	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		
Foods and beverages:						
Under \$10,000	991	1,563	1,484,927	308,749	2,372,072	4,930,703
\$ 10,000 to \$ 24,999	1,320	3,761	5,688,607	1,041,803	12,369,500	22,547,350
25,000 " 49,999	1,240	5,488	9,987,922	1,739,199	27,208,908	45,205,429
50,000 " 99,999	1,294	8,825	17,286,978	3,024,866	61,062,319	93,142,969
100,000 " 199,999	1,187	11,379	24,605,410	4,169,022	120,166,572	170,134,918
200,000 " 499,999	933	18,563	44,220,373	5,571,928	194,640,965	287,629,842
500,000 " 999,999	437	19,773	52,066,565	6,651,399	190,752,327	308,897,815
1,000,000 " 4,999,999	473	52,348	155,552,061	16,545,669	602,710,137	990,047,959
5,000,000 and over	148	60,000	214,160,451	18,450,618	1,262,818,188	1,904,165,270
Head Offices ¹	—	1,308	6,580,965	28,190	73,081	—
Totals	8,023	183,008	531,634,259	58,531,443	2,474,174,069	3,826,702,255
Tobacco and tobacco products:						
Under \$10,000	14	23	25,241	5,571	23,230	56,928
\$ 10,000 to \$ 24,999	4	19	35,987	992	26,947	70,643
25,000 " 49,999	3	41	86,284	8,581	83,035	197,902
50,000 " 99,999	1					
100,000 " 199,999	3	116	281,754	20,294	525,891	1,056,457
200,000 " 499,999	2					
500,000 " 999,999	5	316	634,153	28,577	2,529,383	3,767,964
1,000,000 " 4,999,999	5	9,095	29,236,336	691,568	146,923,013	234,092,978
5,000,000 and over	14					
Head Offices ¹	—	3	9,100	—	—	—
Totals	51	9,613	30,308,855	755,583	150,111,499	239,242,872
Rubber products:						
Under \$10,000	7	11	13,866	987	7,311	30,039
\$ 10,000 to \$ 24,999	5	16	34,716	2,462	29,912	80,055
25,000 " 49,999	9	44	108,484	8,182	161,563	321,407
50,000 " 99,999	8	108	250,797	16,937	236,817	629,394
100,000 " 199,999	5	56	168,230	10,316	362,069	673,844
200,000 " 499,999	12	389	1,116,146	92,571	1,737,515	4,237,486
500,000 " 999,999	9	633	1,652,421	129,157	3,005,114	5,966,715
1,000,000 " 4,999,999	18	3,370	10,121,307	747,491	20,040,338	41,405,568
5,000,000 and over	18	18,509	68,688,922	3,876,067	135,105,947	302,239,307
Totals	91	23,136	82,154,889	4,884,170	160,686,586	355,583,815
Leather products:						
Under \$10,000	60	91	128,192	9,637	140,706	318,682
\$ 10,000 to \$ 24,999	74	215	396,815	23,001	538,888	1,144,173
25,000 " 49,999	59	404	743,328	36,441	1,181,591	2,211,190
50,000 " 99,999	105	1,283	2,580,579	74,494	3,685,416	7,585,930
100,000 " 199,999	89	2,145	4,504,010	124,515	6,557,355	13,188,297
200,000 " 499,999	129	6,440	14,606,274	387,425	22,032,714	43,613,956
500,000 " 999,999	65	6,754	15,183,430	328,799	22,984,888	45,912,334
1,000,000 " 4,999,999	63	14,052	36,827,406	1,313,211	66,669,274	123,057,423
5,000,000 and over	2					
Totals	646	31,384	74,970,034	2,297,523	123,790,832	237,031,985
Textile mills:						
Under \$10,000	100	164	230,215	17,297	171,906	528,580
\$ 10,000 to \$ 24,999	126	478	887,592	50,039	794,807	2,211,622
25,000 " 49,999	117	846	1,607,835	96,719	1,769,167	4,259,842
50,000 " 99,999	128	1,526	3,399,625	163,366	3,764,728	9,042,832
100,000 " 199,999	117	2,178	4,810,795	274,592	8,266,489	16,908,157
200,000 " 499,999	130	4,332	10,753,940	678,334	23,947,680	41,727,513
500,000 " 999,999	89	5,118	13,421,718	1,042,623	38,236,213	62,836,949
1,000,000 " 4,999,999	127	23,582	65,634,689	4,655,625	155,254,600	267,005,528
5,000,000 and over	31	30,296	87,122,396	8,030,937	198,214,500	362,456,104
Head Offices ¹	—	2,353	11,458,705	—	—	—
Totals	965	70,873	199,327,510	15,009,532	430,420,090	766,977,127
Knitting mills:						
Under \$10,000	9	17	20,146	1,563	24,801	38,398
\$ 10,000 to \$ 24,999	13	45	71,430	4,442	93,913	243,325
25,000 " 49,999	21	138	261,231	9,464	394,722	837,323
50,000 " 99,999	29	457	924,353	27,532	944,089	1,977,647
100,000 " 199,999	43	924	1,897,374	78,182	2,995,933	5,993,370
200,000 " 499,999	73	3,313	7,009,385	319,401	11,470,356	23,203,141
500,000 " 999,999	48	4,291	9,808,467	388,805	16,891,725	32,085,454
1,000,000 " 4,999,999	50	12,629	29,142,165	1,083,838	51,110,481	100,771,069
Head Offices ¹	—	99	503,406	—	—	—
Totals	286	21,913	49,637,957	1,913,227	83,926,020	165,149,727

¹ Under this heading are included only those head offices which are not located at the plant.

**TABLE 48. Manufacturing Establishments Classified According to Selling Value of Factory Shipments,
by Industrial Group, 1956 - Continued**

Industrial group, by size	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	
Clothing:						
Under \$10,000	128	247	319,826	15,234	329,343	774,409
\$ 10,000 to \$ 24,999	232	943	1,629,099	56,919	1,743,814	4,035,019
25,000 " 49,999	313	2,600	4,673,449	127,711	4,702,645	11,539,817
50,000 " 99,999	398	5,353	10,825,391	234,824	13,606,106	29,299,666
100,000 " 199,999	482	10,112	21,832,298	429,249	36,658,255	69,637,796
200,000 " 499,999	563	20,143	48,066,092	812,141	97,086,362	175,559,428
500,000 " 999,999	276	21,176	48,903,940	673,876	108,102,445	191,964,692
1,000,000 " 4,999,999	129	25,527	62,118,373	796,473	124,016,928	222,695,565
5,000,000 and over	4	3,379	8,514,604	71,615	13,003,129	28,263,570
Head Offices ¹	—	319	1,333,139	—	—	—
Totals	2,525	89,799	208,216,211	3,218,042	399,249,027	733,769,962
Wood products:						
Under \$10,000	4,254	6,011	5,137,420	541,697	8,445,059	18,026,992
\$ 10,000 to \$ 24,999	1,929	5,542	8,865,017	806,266	15,262,908	31,257,549
25,000 " 49,999	1,445	7,360	14,390,742	1,200,788	25,927,167	51,610,859
50,000 " 99,999	1,244	10,701	23,995,429	2,011,603	45,934,294	87,953,046
100,000 " 199,999	854	13,368	33,659,249	2,565,160	62,691,551	120,161,238
200,000 " 499,999	783	24,092	65,989,534	4,193,401	134,805,556	248,214,765
500,000 " 999,999	330	19,966	59,151,155	3,039,934	125,894,345	229,019,341
1,000,000 " 4,999,999	241	33,001	105,276,769	4,461,058	248,433,298	439,255,775
5,000,000 and over	23	14,510	53,953,547	1,449,478	121,071,146	221,112,995
Head Offices ¹	—	1,032	5,930,405	—	—	—
Totals	11,103	135,583	376,349,267	20,269,385	788,465,324	1,446,612,560
Paper products:						
Under \$10,000	26	40	43,547	1,117	44,466	115,278
\$ 10,000 to \$ 24,999	20	66	128,784	9,126	160,665	363,932
25,000 " 49,999	31	197	441,986	24,790	541,247	1,188,696
50,000 " 99,999	49	479	1,106,904	58,174	1,786,190	3,510,940
100,000 " 199,999	64	1,018	2,516,913	144,583	4,744,090	9,236,826
200,000 " 499,999	85	2,671	7,016,671	444,910	14,123,118	27,796,296
500,000 " 999,999	63	3,445	10,098,522	1,060,268	23,914,674	44,188,097
1,000,000 " 4,999,999	144	19,896	67,308,474	8,215,494	189,445,476	333,050,438
5,000,000 and over	86	62,851	277,870,033	97,529,347	650,296,335	1,468,160,497
Head Offices ¹	—	3,042	20,354,582	—	—	—
Totals	568	93,705	386,886,416	107,487,809	885,056,261	1,887,611,000
Printing, publishing and allied industries:						
Under \$10,000	1,612	1,427	1,731,895	103,204	3,488,809	6,193,812
\$ 10,000 to \$ 24,999	948	2,912	5,755,030	249,104	6,308,808	15,544,728
25,000 " 49,999	691	4,363	10,381,230	315,442	8,865,465	24,746,254
50,000 " 99,999	508	5,030	14,770,655	416,999	12,796,576	36,243,293
100,000 " 199,999	351	6,482	20,297,594	538,883	16,690,533	49,704,000
200,000 " 499,999	247	9,014	30,981,229	704,189	25,257,750	76,788,457
500,000 " 999,999	115	9,010	33,463,958	735,461	22,573,472	79,544,997
1,000,000 " 4,999,999	94	18,838	70,488,024	1,362,610	62,874,095	199,915,525
5,000,000 and over	19	15,180	65,945,073	1,102,745	66,346,086	199,753,197
Head Offices ¹	—	105	557,437	—	—	—
Totals	4,585	72,361	254,372,125	5,528,637	225,201,594	688,434,263
Iron and steel products:						
Under \$10,000	203	333	579,922	52,598	375,394	1,218,507
\$ 10,000 to \$ 24,999	396	1,315	3,048,244	214,203	2,018,084	6,691,622
25,000 " 49,999	401	2,671	6,584,648	344,203	4,415,877	14,391,215
50,000 " 99,999	439	4,678	13,417,415	684,165	11,150,456	31,774,903
100,000 " 199,999	391	6,726	21,988,890	1,115,075	22,430,589	55,795,666
200,000 " 499,999	439	13,606	47,433,141	2,174,669	58,549,523	139,880,870
500,000 " 999,999	251	14,928	53,136,318	2,319,360	83,213,262	175,157,143
1,000,000 " 4,999,999	341	59,033	221,221,332	11,059,282	367,147,530	755,101,497
5,000,000 and over	102	93,216	396,603,970	47,376,428	766,513,038	1,576,758,054
Head Offices ¹	—	412	2,362,207	—	—	—
Totals	2,963	196,918	766,376,087	65,339,983	1,315,813,753	2,756,769,477
Transportation equipment:						
Under \$10,000	93	146	215,405	15,968	158,464	458,289
\$ 10,000 to \$ 24,999	68	255	558,924	30,294	442,685	1,160,325
25,000 " 49,999	57	348	898,801	40,944	885,862	2,076,350
50,000 " 99,999	58	607	1,732,864	92,678	1,614,008	4,017,394
100,000 " 199,999	68	1,264	3,955,740	180,616	3,933,291	9,613,399
200,000 " 499,999	73	2,673	8,729,876	345,154	9,581,488	23,112,395
500,000 " 999,999	47	2,917	10,338,960	386,822	16,675,241	34,073,894
1,000,000 " 4,999,999	72	16,766	58,687,489	2,286,745	81,787,079	174,814,090
5,000,000 and over	55	115,579	464,633,294	17,966,855	1,171,219,286	1,943,608,839
Head Offices ¹	—	702	3,820,473	—	—	—
Totals	591	141,257	553,571,826	21,346,076	1,286,297,404	2,192,934,975

¹ Under this heading are included only those head offices which are not located at the plant.

**TABLE 48. Manufacturing Establishments Classified According to Selling Value of Factory Shipments,
by Industrial Group, 1956 — Concluded**

Industrial group, by size	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		
Non-ferrous metal products:						
Under \$10,000	50	72	121,962	6,014	95,079	258,290
\$ 10,000 to \$ 24,999	77	235	526,898	28,169	506,408	1,287,998
25,000 " 49,999	72	416	967,329	45,593	1,127,539	2,597,754
50,000 " 99,999	75	727	2,001,179	94,120	2,572,992	5,545,455
100,000 " 199,999	89	1,380	3,998,176	221,699	6,172,544	12,681,094
200,000 " 499,999	89	2,930	8,603,180	411,332	13,994,135	28,131,196
500,000 " 999,999	32	1,405	4,750,277	234,675	11,862,500	22,684,154
1,000,000 " 4,999,999	64	10,192	37,089,221	2,524,605	85,120,486	152,159,813
5,000,000 and over	33	37,577	156,690,827	67,220,828	1,007,509,873	1,636,810,408
Head Offices ¹	—	1,137	5,620,691	—	—	—
Totals	581	56,071	220,369,740	70,787,035	1,128,961,556	1,862,156,162
Electrical apparatus and supplies:						
Under \$10,000	20	27	41,930	2,450	35,460	85,029
\$ 10,000 to \$ 24,999	26	87	204,937	12,318	219,001	477,191
25,000 " 49,999	27	158	412,859	22,289	408,291	968,765
50,000 " 99,999	44	420	1,245,102	62,634	1,419,488	3,131,814
100,000 " 199,999	51	792	2,110,361	89,472	3,540,744	7,412,035
200,000 " 499,999	87	2,836	8,211,918	278,095	16,220,185	28,922,799
500,000 " 999,999	66	4,089	12,621,091	444,071	26,656,831	47,457,638
1,000,000 " 4,999,999	99	17,838	60,715,511	2,059,214	117,978,721	235,877,127
5,000,000 and over	53	56,502	221,759,412	6,193,724	391,770,799	765,861,777
Head Offices ¹	—	547	3,199,679	—	—	—
Totals	473	83,296	310,522,800	9,164,267	558,249,520	1,090,194,175
Non-metallic mineral products:						
Under \$10,000	169	258	368,776	47,069	316,026	852,047
\$ 10,000 to \$ 24,999	208	709	1,469,925	183,611	1,211,246	3,523,096
25,000 " 49,999	149	937	2,198,869	248,789	1,887,280	5,346,135
50,000 " 99,999	155	1,519	4,199,387	641,103	3,982,000	11,123,519
100,000 " 199,999	143	2,406	7,152,321	1,489,492	7,767,248	20,816,548
200,000 " 499,999	147	4,406	14,517,370	3,167,412	17,071,846	47,253,590
500,000 " 999,999	80	4,010	13,786,422	4,400,650	20,944,231	55,184,682
1,000,000 " 4,999,999	108	13,584	50,872,451	17,953,176	78,147,571	220,192,093
5,000,000 and over	24	11,754	45,793,263	18,167,948	75,545,043	208,247,401
Head Offices ¹	—	582	2,864,379	—	—	—
Totals	1,183	40,165	143,223,163	46,299,250	206,872,491	572,539,111
Products of petroleum and coal:						
Under \$10,000	2	18	44,878	3,709	41,193	98,978
\$ 10,000 to \$ 24,999	5	13	42,261	11,538	67,146	115,960
25,000 " 49,999	3	39	165,670	21,949	359,891	616,827
50,000 " 99,999	8	80	300,219	30,215	664,499	1,109,033
100,000 " 199,999	13	240	840,841	150,662	1,630,078	3,581,210
200,000 " 499,999	12	304	1,130,496	211,261	4,372,675	8,582,887
500,000 " 999,999	22	1,969	7,537,860	2,889,462	34,154,625	59,410,733
1,000,000 " 4,999,999	35	12,554	57,856,445	47,041,467	796,536,807	1,303,710,475
5,000,000 and over	—	2,468	13,761,254	—	—	—
Head Offices ¹	—	—	—	—	—	—
Totals	107	17,685	81,679,924	50,360,263	837,826,914	1,377,226,103
Chemicals and allied products:						
Under \$10,000	146	208	283,279	24,239	279,647	719,465
\$ 10,000 to \$ 24,999	108	298	614,282	54,565	648,982	1,786,215
25,000 " 49,999	97	424	1,037,038	65,001	1,478,128	3,499,477
50,000 " 99,999	130	894	2,422,076	180,446	4,067,589	9,443,457
100,000 " 199,999	129	1,377	4,420,530	315,778	8,187,217	17,775,852
200,000 " 499,999	179	3,477	11,468,338	851,424	26,166,472	58,014,946
500,000 " 999,999	132	4,942	17,235,913	1,534,839	44,675,548	95,797,308
1,000,000 " 4,999,999	165	15,347	54,825,540	6,540,212	170,423,895	359,128,498
5,000,000 and over	45	23,602	95,938,652	27,072,433	271,636,749	565,068,186
Head Offices ¹	—	2,252	12,496,889	—	—	—
Totals	1,131	52,821	200,742,647	36,638,937	527,564,227	1,111,233,404
Miscellaneous manufacturing industries:						
Under \$10,000	283	351	654,179	62,225	433,498	1,426,672
\$ 10,000 to \$ 24,999	290	878	2,131,235	169,746	1,606,855	4,852,404
25,000 " 49,999	245	1,371	3,563,577	241,129	3,181,990	8,797,458
50,000 " 99,999	232	2,360	6,394,026	362,633	6,702,889	16,930,812
100,000 " 199,999	193	3,229	9,177,450	476,538	11,887,902	27,017,752
200,000 " 499,999	165	6,104	16,246,626	726,734	25,375,214	55,221,906
500,000 " 999,999	76	4,888	13,840,733	552,061	25,841,934	51,526,390
1,000,000 " 4,999,999	69	11,985	38,241,605	1,194,473	52,239,924	124,661,799
5,000,000 and over	3	2,075	9,314,619	324,005	11,599,516	36,144,820
Head Offices ¹	—	191	784,430	—	—	—
Totals	1,556	33,432	100,348,480	4,109,544	138,869,722	326,580,013

¹ Under this heading are included only those head offices which are not located at the plant.

TABLE 49. Principal Statistics of the Twenty-Five Leading Manufacturing Industries Classified According to Selling Value of Factory Shipments, 1956

Industry, 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		
1. Pulp and paper mills:						
\$ 50,000 to \$ 99,999	3	82	182,948	35,862	285,780	548,158
100,000 " 199,999	2					
200,000 " 499,999	6	271	685,037	194,667	642,849	2,105,576
500,000 " 999,999	10	493	1,603,817	682,866	3,203,988	7,325,247
1,000,000 " 4,999,999	30	4,605	16,640,070	5,759,193	36,551,031	75,706,877
5,000,000 and over	75	57,955	260,880,973	96,833,303	584,521,794	1,367,755,868
Head Offices ¹	—	2,579	17,579,099	—	—	—
Totals	126	65,985	297,571,944	103,505,891	625,205,442	1,453,441,726
2. Non-ferrous metal smelting and refining:						
\$1,000,000 to \$4,999,999	2	30,788	130,139,944	64,942,503	820,604,322	1,396,565,178
5,000,000 and over	21					
Totals	23	30,788	130,139,944	64,942,503	820,604,322	1,396,565,178
3. Petroleum products:						
Under \$10,000	1					
\$ 10,000 to \$ 24,999	3	13	29,715	5,533	43,976	94,432
25,000 " 49,999	1					
50,000 " 99,999	3	26	138,544	10,405	229,721	320,900
100,000 " 199,999	1					
200,000 " 499,999	3	28	88,441	21,701	344,212	671,725
500,000 " 999,999	5	73	266,697	70,654	2,243,916	3,284,464
1,000,000 " 4,999,999	15	797	3,295,917	1,423,531	23,476,263	36,919,165
5,000,000 and over	29	10,523	48,812,374	41,595,400	740,037,169	1,212,508,293
Head Offices ¹	—	2,465	13,709,950	—	—	—
Totals	61	13,925	66,341,638	43,127,224	766,375,257	1,253,798,979
4. Motor vehicles:						
\$ 100,000 to \$ 199,999	1	247	1,001,820	31,403	1,434,696	2,584,622
500,000 " 999,999	3					
1,000,000 " 4,999,999	5	1,152	4,522,619	135,164	8,221,020	15,504,520
5,000,000 and over	7	33,095	141,058,659	5,812,242	687,644,271	970,054,131
Head Offices ¹	—	605	3,365,125	—	—	—
Totals	16	35,099	149,948,223	5,978,809	697,299,987	988,143,273
5. Slaughtering and meat packing:						
\$ 10,000 to \$ 24,999	1	17	38,680	3,211	54,703	135,898
25,000 " 49,999	3					
50,000 " 99,999	8	38	77,671	19,022	442,760	615,933
100,000 " 199,999	13	129	295,681	31,346	1,616,393	2,023,426
200,000 " 499,999	28	364	1,014,279	120,265	7,383,904	9,494,584
500,000 " 999,999	21	664	1,869,890	248,328	10,175,369	14,505,450
1,000,000 " 4,999,999	35	2,007	6,434,979	637,795	53,089,964	66,548,050
5,000,000 and over	45	21,448	80,740,705	4,534,616	595,230,431	751,565,343
Totals	154	24,667	90,471,885	5,594,583	667,993,524	844,888,684
6. Primary iron and steel:						
Under \$10,000	1	50	177,397	19,130	193,345	475,430
\$ 100,000 to \$ 199,999	3					
200,000 " 499,999	7	296	1,078,949	90,794	941,741	2,604,316
500,000 " 999,999	5	395	1,509,672	165,505	939,817	3,312,382
1,000,000 " 4,999,999	20	3,178	12,096,254	2,430,733	24,435,245	46,010,614
5,000,000 and over	14	32,108	147,919,846	35,605,789	274,788,434	628,457,728
Head Offices ¹	—	16	98,749	—	—	—
Totals	50	36,043	162,880,867	38,311,951	301,298,582	680,860,470
7. Sawmills:						
Under \$10,000	2,924	4,250	2,533,662	298,117	5,873,157	11,548,621
\$ 100,000 to \$ 24,999	1,119	3,169	3,828,524	378,999	9,611,212	18,091,131
25,000 " 49,999	861	3,991	6,654,741	630,218	16,605,343	30,862,637
50,000 " 99,999	742	5,845	11,956,873	1,116,842	28,713,087	52,533,134
100,000 " 199,999	459	6,396	15,571,140	1,384,011	34,176,211	64,225,610
200,000 " 499,999	337	9,026	25,190,074	1,981,705	54,206,419	102,322,532
500,000 " 999,999	97	5,612	17,495,556	931,609	35,648,977	69,362,846
1,000,000 " 4,999,999	77	9,597	33,824,851	1,471,948	88,191,031	157,135,635
5,000,000 and over	13	8,447	32,345,761	764,379	77,720,291	133,332,214
Head Offices ¹	—	745	4,408,022	—	—	—
Totals	6,629	57,078	153,809,204	8,957,828	350,745,728	639,414,360

¹ Under this heading are included only those head offices that are not located at the plant.

TABLE 49. Principal Statistics of the Twenty-Five Leading Manufacturing Industries Classified According to Selling Value of Factory Shipments, 1936 - Continued

Industry, 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		
8. Butter and cheese:						
Under \$10,000.....	11	11	9,104	1,786	57,607	68,839
\$ 10,000 to \$ 24,999.....	49	60	76,289	27,015	791,932	897,848
25,000 " 49,999.....	145	249	381,610	101,367	4,857,717	5,559,832
50,000 " 99,999.....	282	796	1,372,522	349,789	18,430,438	20,931,219
100,000 " 199,999.....	408	1,922	4,102,822	1,026,852	51,166,308	59,350,776
200,000 " 499,999.....	303	3,400	8,324,424	1,760,428	75,384,499	92,276,720
500,000 " 999,999.....	92	2,885	8,124,612	1,424,021	44,988,798	61,511,197
1,000,000 " 4,999,999.....	74	8,304	27,202,046	3,268,475	101,129,494	150,180,310
5,000,000 and over.....	5	2,508	8,837,454	799,088	23,155,846	40,478,521
Totals	1,369	20,135	58,430,883	8,758,821	319,962,639	431,255,262
9. Miscellaneous electrical apparatus and supplies:						
Under \$10,000.....	7	7	5,700	370	7,770	17,826
\$ 10,000 to \$ 24,999.....	11	30	72,119	4,753	83,470	198,968
25,000 " 49,999.....	11	65	167,527	5,801	145,858	386,602
50,000 " 99,999.....	13	119	385,058	9,383	347,119	895,411
100,000 " 199,999.....	15	247	643,552	30,093	978,865	2,120,512
200,000 " 499,999.....	34	974	3,004,173	119,316	6,224,968	11,276,101
500,000 " 999,999.....	21	1,254	3,918,707	142,467	8,403,859	14,516,675
1,000,000 " 4,999,999.....	32	5,184	16,697,115	866,560	38,155,673	75,173,419
5,000,000 and over.....	17	18,529	74,259,405	2,100,519	151,081,106	288,976,435
Head Offices ¹	—	92	486,058	—	—	—
Total	161	26,501	99,639,414	3,279,262	205,428,688	393,561,949
10. Rubber goods, including footwear:						
Under \$10,000.....	7	11	13,866	987	7,311	30,039
\$ 10,000 to \$ 24,999.....	5	16	34,716	2,462	29,912	80,055
25,000 " 49,999.....	9	44	108,484	8,182	161,563	321,407
50,000 " 99,999.....	8	108	250,797	16,937	236,817	629,394
100,000 " 199,999.....	5	56	168,230	10,316	362,069	673,844
200,000 " 499,999.....	12	389	1,116,146	92,571	1,737,515	4,237,486
500,000 " 999,999.....	9	633	1,652,421	129,157	3,005,114	5,966,715
1,000,000 " 4,999,999.....	18	3,370	10,121,307	747,491	20,040,338	41,405,568
5,000,000 and over.....	18	18,509	68,688,922	3,876,067	135,105,947	302,239,307
Totals	91	23,136	82,154,889	4,884,170	160,686,586	355,583,815
11. Aircraft and parts:						
\$ 10,000 to \$ 24,999.....	1	153	504,796	18,048	139,715	839,539
25,000 " 49,999.....	1					
50,000 " 99,999.....	10	171	675,178	31,600	306,081	1,306,826
100,000 " 199,999.....	9					
200,000 " 499,999.....	10	541	2,124,668	47,630	1,523,927	4,505,212
500,000 " 999,999.....	2					
1,000,000 " 4,999,999.....	10	3,915	14,582,847	456,190	8,363,439	27,101,506
5,000,000 and over.....	9	30,783	128,540,525	3,531,078	127,822,692	320,757,002
Totals	52	35,563	146,428,014	4,084,546	138,155,854	354,510,085
12. Railway rolling stock:						
\$ 10,000 to \$ 199,999.....	1	262	817,122	41,118	2,130,737	3,308,404
200,000 " 499,999.....	1					
500,000 " 999,999.....	4	2,603	8,962,420	387,518	12,439,297	22,477,336
1,000,000 " 4,999,999.....	8					
5,000,000 and over.....	15	25,253	90,949,629	3,965,491	192,458,046	319,730,466
Totals	29	28,118	100,729,171	4,394,127	207,028,080	345,516,206
13. Miscellaneous food preparations:						
Under \$10,000.....	30	46	47,746	8,450	79,171	135,462
\$ 10,000 to \$ 24,999.....	27	78	122,505	18,050	254,924	491,410
25,000 " 49,999.....	26	98	215,826	23,854	519,398	944,222
50,000 " 99,999.....	33	210	515,076	54,892	1,459,327	2,428,004
100,000 " 199,999.....	41	430	1,075,809	106,964	3,914,937	5,975,927
200,000 " 499,999.....	37	692	1,898,200	215,571	7,828,364	12,678,936
500,000 " 999,999.....	39	1,213	3,398,768	362,464	17,905,226	27,203,207
1,000,000 " 4,999,999.....	51	3,500	10,172,871	1,110,420	82,778,297	116,669,109
5,000,000 and over.....	17	2,945	10,523,590	1,671,528	114,784,348	168,141,789
Head Offices ¹	—	466	2,490,212	—	—	—
Totals	301	9,678	30,460,603	3,572,193	229,523,992	334,668,066

¹ Under this heading are included only those head offices that are not located at the plant.

TABLE 49. Principal Statistics of the Twenty-Five Leading Manufacturing Industries Classified According to Selling Value of Factory Shipments, 1956 — Continued

Industry, 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	
14. Motor vehicle parts:						
Under \$10,000	13	17	28,991	3,125	31,846	79,074
\$ 10,000 to \$ 24,999	14	48	110,110	6,960	76,590	255,210
25,000 " 49,999	18	98	259,488	15,067	309,830	684,529
50,000 " 99,999	23	206	571,448	41,623	703,229	1,545,994
100,000 " 199,999	25	427	1,395,177	70,067	1,678,837	3,569,649
200,000 " 499,999	33	893	2,934,081	146,490	4,955,886	9,961,651
500,000 " 999,999	25	1,397	4,649,837	184,512	9,833,896	18,331,208
1,000,000 " 4,999,999	32	4,872	17,155,563	774,703	39,231,179	73,172,055
5,000,000 and over	15	13,416	54,801,614	3,364,544	120,763,630	221,925,750
Head Offices ¹	—	97	455,348	—	—	—
Totals	198	21,471	82,361,857	4,607,091	177,584,923	329,525,120
15. Machinery, industrial:						
Under \$10,000	17	19	20,880	2,980	26,170	79,661
\$ 10,000 to \$ 24,999	17	64	129,107	7,304	94,566	287,318
25,000 " 49,999	25	135	372,201	22,458	330,879	905,483
50,000 " 99,999	37	402	1,183,237	52,293	943,529	2,737,455
100,000 " 199,999	60	1,103	3,765,241	173,510	3,352,851	8,635,898
200,000 " 499,999	56	1,650	6,102,388	253,876	7,314,569	17,834,514
500,000 " 999,999	38	2,621	9,538,013	280,629	13,344,934	28,884,431
1,000,000 " 4,999,999	67	11,787	46,616,942	1,186,936	61,885,697	139,048,782
5,000,000 and over	12	8,785	35,105,586	1,184,620	55,483,578	131,033,685
Head Offices ¹	—	9	50,517	—	—	—
Totals	329	26,575	102,884,112	3,164,606	142,776,773	329,447,227
16. Bread and other bakery products:						
Under \$10,000	387	678	708,728	140,945	1,159,330	2,402,388
\$ 10,000 to \$ 24,999	871	2,601	4,113,562	737,577	7,361,224	14,772,468
25,000 " 49,999	613	3,262	6,221,818	928,183	10,967,987	21,738,369
50,000 " 99,999	371	3,611	7,952,458	1,078,012	12,605,364	25,827,924
100,000 " 199,999	161	2,736	6,764,213	859,300	11,065,116	22,280,817
200,000 " 499,999	108	4,319	11,062,137	1,305,154	16,055,742	33,301,826
500,000 " 999,999	57	4,239	12,446,385	1,360,515	19,040,149	41,313,734
1,000,000 " 4,999,999	50	10,556	33,042,617	3,228,421	48,517,628	105,573,522
5,000,000 and over	6	3,454	11,447,110	1,117,547	19,153,260	39,594,250
Totals	2,624	35,456	93,759,028	10,755,654	145,925,800	306,805,298
17. Printing and publishing:						
Under \$10,000	130	200	391,327	33,085	160,279	758,030
\$ 10,000 to \$ 24,999	187	689	1,625,087	95,595	606,846	3,078,818
25,000 " 49,999	142	1,070	2,772,785	116,894	1,002,875	5,153,247
50,000 " 99,999	109	1,389	3,769,969	144,696	1,601,297	7,554,519
100,000 " 199,999	68	1,562	4,608,143	168,998	1,919,077	9,562,073
200,000 " 499,999	43	2,067	6,564,908	193,415	2,810,413	14,450,341
500,000 " 999,999	37	3,336	11,651,531	298,860	5,607,177	27,076,130
1,000,000 " 4,999,999	39	8,990	33,160,508	687,795	22,304,687	87,947,609
5,000,000 and over	13	11,555	51,278,283	857,429	47,975,913	149,745,818
Head Offices ¹	—	49	203,312	—	—	—
Totals	768	30,907	116,025,853	2,596,767	83,988,564	305,326,585
18. Furniture:						
Under \$10,000	546	717	1,172,356	95,000	1,173,058	2,938,338
\$ 10,000 to \$ 24,999	396	1,095	2,421,016	188,352	2,669,397	6,334,750
25,000 " 49,999	250	1,344	3,316,947	198,260	3,941,874	8,870,835
50,000 " 99,999	191	1,739	4,517,035	224,399	6,411,560	13,043,769
100,000 " 199,999	166	3,007	7,957,905	371,961	11,724,706	23,648,536
200,000 " 499,999	187	6,768	18,745,422	704,141	31,641,510	60,476,436
500,000 " 999,999	87	6,122	18,469,907	608,930	29,982,132	59,714,891
1,000,000 " 4,999,999	64	10,518	31,997,745	931,591	54,291,883	105,407,586
5,000,000 and over	3	1,414	4,870,418	122,431	6,179,152	17,119,263
Totals	1,890	32,724	93,468,751	3,445,065	148,015,272	297,554,404
19. Sheet metal products:						
Under \$10,000	7	10	13,620	1,750	8,720	34,782
\$ 10,000 to \$ 24,999	33	106	205,671	13,249	199,912	558,989
25,000 " 49,999	46	266	659,912	36,969	695,715	1,718,678
50,000 " 99,999	51	403	1,077,408	47,724	1,796,251	3,628,249
100,000 " 199,999	54	845	2,593,692	139,554	3,549,773	7,806,439
200,000 " 499,999	87	2,298	7,711,882	309,182	13,584,349	28,338,417
500,000 " 999,999	46	2,280	7,923,446	333,080	15,617,229	30,538,305
1,000,000 " 4,999,999	43	7,542	26,536,485	1,084,390	49,906,773	96,262,516
5,000,000 and over	14	6,262	27,023,371	1,206,403	77,388,347	127,156,753
Totals	381	20,012	73,745,487	3,172,301	162,747,069	296,043,128

¹ Under this heading are included only those head offices that are not located at the plant.

TABLE 49. Principal Statistics of the Twenty-Five Leading Manufacturing Industries Classified According to Selling Value of Factory Shipments, 1956 — Concluded

Industry, 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		
20. Clothing, men's factory:						
Under \$10,000.....	12	18	17,611	1,497	35,567	64,474
\$ 10,000 to \$ 24,999.....	25	93	155,532	5,182	242,156	459,505
25,000 " 49,999.....	30	195	365,599	9,837	576,173	1,072,160
50,000 " 99,999.....	53	495	1,005,720	23,923	2,335,692	4,015,692
100,000 " 199,999.....	129	2,428	4,829,142	90,759	11,163,076	18,547,651
200,000 " 499,999.....	156	5,320	11,809,103	224,198	30,130,197	49,370,074
500,000 " 999,999.....	85	6,361	14,021,743	213,882	37,697,096	60,955,932
1,000,000 " 4,999,999.....	58	14,208	34,680,868	414,631	62,706,434	115,435,757
5,000,000 and over.....	3	2,630	7,025,355	53,033	10,539,261	22,224,670
Head Offices ¹	—	293	1,261,270	—	—	—
Totals	551	32,041	75,171,943	1,036,942	155,425,652	272,145,915
21. Machinery, heavy electrical:						
Under \$10,000.....	1	17	33,211	2,660	16,407	54,823
\$ 10,000 to \$ 24,999.....	2	62	171,873	7,264	274,066	498,918
25,000 " 49,999.....	7	92	250,762	5,244	395,537	864,831
50,000 " 99,999.....	9	373	1,000,548	36,645	1,583,051	3,015,874
100,000 " 199,999.....	6	902	3,143,981	96,617	5,863,837	11,013,362
200,000 " 499,999.....	9	4,647	17,320,881	436,565	28,584,911	60,549,204
500,000 " 999,999.....	14	17,231	71,867,695	1,839,871	79,356,539	185,835,196
1,000,000 " 4,999,999.....	11	312	1,941,021	—	—	—
5,000,000 and over.....	—	—	—	—	—	—
Head Offices ¹	—	—	—	—	—	—
Totals	74	23,636	95,729,972	2,424,866	116,074,348	261,832,208
22. Fruit and vegetable preparations:						
Under \$10,000.....	39	53	59,642	7,585	139,985	215,716
\$ 10,000 to \$ 24,999.....	43	128	161,133	22,694	408,688	713,409
25,000 " 49,999.....	45	238	309,746	38,355	1,125,133	1,697,449
50,000 " 99,999.....	59	627	992,762	105,423	2,847,439	4,230,212
100,000 " 199,999.....	68	1,213	2,056,612	205,686	6,595,293	9,977,056
200,000 " 499,999.....	89	2,541	4,679,933	474,507	16,902,699	27,731,590
500,000 " 999,999.....	54	3,155	7,026,269	687,711	24,449,422	40,630,226
1,000,000 " 4,999,999.....	46	5,482	12,786,439	1,124,172	58,111,673	92,382,611
5,000,000 and over.....	3	2,985	10,669,502	655,734	39,919,283	72,305,278
Head Offices ¹	—	328	1,227,000	—	—	—
Totals	446	16,750	39,969,038	3,321,867	150,499,615	249,883,547
23. Telecommunication equipment:						
Under \$10,000.....	4	5	5,390	20	5,870	12,828
\$ 10,000 to \$ 24,999.....	9	35	89,107	3,775	84,294	157,381
25,000 " 49,999.....	6	37	97,070	5,908	98,920	227,296
50,000 " 99,999.....	13	131	411,594	16,510	428,024	1,003,279
100,000 " 199,999.....	18	291	783,023	27,855	1,262,754	2,821,752
200,000 " 499,999.....	23	948	2,579,042	49,882	3,798,052	7,714,025
500,000 " 999,999.....	17	1,240	3,597,739	90,641	6,014,027	11,815,715
1,000,000 " 4,999,999.....	20	4,546	14,749,670	279,211	23,023,448	47,981,895
5,000,000 and over.....	15	14,118	49,979,542	795,834	100,467,067	173,028,763
Head Offices ¹	—	52	276,740	—	—	—
Totals	125	21,403	72,568,917	1,269,636	135,182,456	244,762,934
24. Brass and copper products:						
Under \$10,000.....	11	13	26,457	2,085	25,272	50,582
\$ 10,000 to \$ 24,999.....	19	52	110,512	9,753	138,001	295,840
25,000 " 49,999.....	18	100	248,210	15,448	283,632	643,215
50,000 " 99,999.....	20	182	505,194	37,680	682,345	1,417,424
100,000 " 199,999.....	24	379	1,134,474	89,075	1,698,034	3,538,051
200,000 " 499,999.....	20	572	1,805,445	147,569	3,909,196	6,919,923
500,000 " 999,999.....	10	382	1,418,874	85,130	3,558,878	6,883,393
1,000,000 " 4,999,999.....	26	4,366	16,201,414	901,908	30,918,209	62,153,188
5,000,000 and over.....	6	3,163	13,204,955	1,116,465	132,388,098	162,194,500
Head Offices ¹	—	11	73,826	—	—	—
Totals	154	9,220	34,729,361	2,405,113	173,601,665	244,096,116
25. Iron castings:						
Under \$10,000.....	15	27	40,060	4,880	20,890	84,062
\$ 10,000 to \$ 24,999.....	16	53	112,949	12,178	76,866	252,296
25,000 " 49,999.....	19	158	397,393	23,748	207,951	739,018
50,000 " 99,999.....	23	289	827,011	43,680	546,731	1,695,122
100,000 " 199,999.....	27	589	1,681,178	82,912	1,416,578	3,932,158
200,000 " 499,999.....	42	1,802	5,927,089	288,241	4,832,817	13,983,662
500,000 " 999,999.....	22	1,469	5,353,896	243,696	5,968,730	15,066,292
1,000,000 " 4,999,999.....	21	3,775	14,569,469	851,668	17,017,852	42,063,426
5,000,000 and over.....	14	9,068	37,028,808	2,633,019	93,303,307	166,212,551
Head Offices ¹	—	131	877,803	—	—	—
Totals	199	17,361	66,815,656	4,184,022	123,391,722	244,028,587

¹ Under this heading are included only those head offices which are not located at the plant.

Size as Measured by Number of Employees.—In 1929, establishments employing 501 hands or over accounted for 27.3 p.c. 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 employing 101 hands or over. In 1929 they employed 61.9 p.c., in 1933, 55.7 p.c. and in 1939, 61.5 p.c.

The effect of the War on the concentration of industries into large units is illustrated by the increase in the number of establishments employing 500 hands or over. In 1939 such establishments numbered 172 and employed 25.6 p.c. of the total number of employees engaged in manufacturing. By 1944 the number had increased to 383 and the percentage of total employees to 47.0. 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 10,000. Three other plants employed between 8,000 and 9,000 persons, while the lowest five plants in this group employed between 7,000 and 8,000 workers.

With the resumption of peace-time production the larger establishments declined in size so that by 1956 only 66 establishments employed over 1,500 persons, as compared with 101 in 1944. In 1956 there were only three manufacturing plants employing between 9,000 to 10,000 persons. Three other establishments employed between 8,000 and 9,000 and four employed between 6,000 and 8,000. Altogether there were only twelve establishments employing over 5,000 persons in 1956.

Employees	Establishments
1,500 to 2,999	45
3,000 to 3,999	5
4,000 to 4,999	4
5,000 to 5,999	2
6,000 and over	10
Total	66

TABLE 50. Manufacturing Establishments, Classified by Number of Employees per Establishment, and by Provinces, 1956

Province	Up to 499	500 to 799	800 to 999	1,000 to 1,499	1,500 or over	Total
Newfoundland	781	—	—	1	1	783
Prince Edward Island	192	—	—	—	—	192
Nova Scotia	1,395	1	4	—	2	1,402
New Brunswick	996	5	1	2	—	1,004
Quebec	11,973	62	25	28	24	12,112
Ontario	13,018	96	32	36	33	13,215
Manitoba	1,524	4	2	2	2	1,534
Saskatchewan	798	—	—	—	—	798
Alberta	1,962	7	1	1	—	1,971
British Columbia	4,365	13	7	4	4	4,393
Yukon and Northwest Territories	24	—	—	—	—	24
Canada	37,028	188	72	74	66	37,428

TABLE 51. Manufacturing Establishments Classified by Number of Employees per Establishment, 1929, 1939, 1944 and 1956

Group	1929 ¹			1939 ²		
	Estab- lishments	Employees	Average per estab- lishment	Estab- lishments	Employees	Average per estab- lishment
	number					
Under 5 employees	12, 273	30, 446	3. 5	13, 002	28, 020	2. 2
5 to 20 employees.....	6, 160	62, 310	10. 1	6, 985	68, 151	9. 8
21 " 50 "	2, 531	81, 846	32. 3	2, 330	75, 324	32. 3
51 " 100 "	1, 262	90, 238	71. 5	1, 158	81, 646	70. 5
101 " 200 "	745	103, 944	139. 5	695	97, 063	139. 7
201 " 500 "	444	136, 397	307. 2	458	139, 687	305. 0
501 and over	182	189, 253	1, 040. 0	172	168, 168	977. 7
Totals and averages	23, 597	694, 434	29. 4	24, 800	638, 059	26. 5
	1944			1956 ⁴		
Under 5 employees	13, 208	29, 958	2. 3	15, 807	34, 424	2. 2
5 to 14 employees	7, 111	58, 404	8. 2	9, 768	81, 151	8. 3
15 " 49 "	4, 615	124, 408	27. 0	6, 468	173, 156	26. 8
50 " 99 "	1, 622	113, 869	70. 2	2, 101	145, 886	69. 4
100 " 199 "	900	126, 192	140. 2	1, 221	168, 495	138. 0
200 " 499 "	644	196, 707	305. 4	777	239, 195	307. 8
500 " 999 "	383	573, 344	1, 497. 0	260	181, 986	699. 9
1,000 " 1,499 "				74	91, 452	1, 235. 8
1,500 and over.....				66	220, 723	3, 344. 3
Head offices ³	—	—	—	—	16, 552	—
Not classifiable	—	—	—	886	—	—
Totals and averages	28, 483	1, 222, 882	42. 9	37, 428	1, 353, 020	36. 1

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

² Exclusive of Yukon and the Northwest Territories.

³ Under this heading are included only those head offices which are not located at the plant.

⁴ Includes Newfoundland.

TABLE 52. Principal Statistics of Manufacturing Industries, by Industrial Group, Classified by Number of Employees per Establishment 1956.

Industrial group, by size	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		
Canada:						
Under 5 employees	15,807	34,424	60,175,569	7,243,424	203,244,855	326,661,142
5 to 14 employees	9,768	81,151	205,696,606	18,222,717	545,227,029	944,093,327
15 " 49 "	6,468	173,156	490,166,876	37,943,269	1,237,380,837	2,219,534,830
50 " 99 "	2,101	145,886	430,594,776	31,950,179	1,049,324,465	1,952,641,081
100 " 199 "	1,221	168,495	522,458,735	47,058,234	1,422,446,267	2,568,576,166
200 " 499 "	777	239,195	821,741,428	101,088,230	2,199,554,427	4,143,302,508
500 " 999 "	260	181,986	679,327,988	106,492,369	1,923,874,580	3,546,252,188
1,000 " 1,499 "	74	91,452	353,714,544	49,118,376	919,763,113	1,702,268,319
1,500 and over	66	220,723	915,177,927	124,795,718	2,216,060,323	4,227,749,455
Head Offices ¹	—	16,552	91,637,741	28,190	73,081	—
Not classifiable ²	886	—	—	—	4,587,912	5,669,970
Totals	37,428	1,353,020	4,570,692,190	523,940,706	11,721,536,889	21,636,748,986
Foods and beverages:						
Under 5 employees	3,777	9,086	15,659,812	3,655,635	113,535,779	147,503,698
5 to 14 employees	2,454	19,499	43,108,476	7,781,957	232,757,670	327,858,101
15 " 49 "	1,094	29,048	72,218,752	10,794,971	360,502,182	535,414,667
50 " 99 "	332	23,117	66,085,049	7,642,603	283,681,134	470,860,896
100 " 199 "	206	28,741	83,732,522	8,873,485	406,443,020	641,595,881
200 " 499 "	115	34,614	113,106,821	9,643,890	494,095,113	777,258,745
500 " 999 "	36	24,505	82,002,755	6,915,841	332,400,280	537,140,589
1,000 " 1,499 "	8	—	—	—	—	—
1,500 and over	1	13,090	49,139,107	3,194,871	250,685,810	389,069,678
Head Offices ¹	—	1,308	6,580,965	28,190	73,081	—
Totals	8,023	183,008	531,634,259	58,531,443	2,474,174,069	3,826,702,255
Tobacco and tobacco products:						
Under 5 employees	18	37	56,728	10,034	57,660	131,303
5 to 14 employees	4	37	57,279	8,539	82,602	213,786
15 " 49 "	8	209	552,669	31,613	2,206,417	3,679,352
50 " 99 "	4	310	689,361	28,530	8,805,843	10,188,479
100 " 199 "	4	557	1,234,442	79,308	12,599,262	14,745,663
200 " 499 "	8	2,184	5,460,260	207,183	48,990,548	66,246,189
500 " 999 "	3	—	—	—	—	—
1,500 and over	2	6,276	22,249,016	390,376	77,369,167	144,038,100
Head Offices ¹	—	3	9,100	—	—	—
Totals	51	9,613	30,308,855	755,583	150,111,499	239,242,872
Rubber products:						
Under 5 employees	15	33	65,191	4,163	117,293	237,810
5 to 14 employees	15	115	337,016	27,929	529,636	1,172,331
15 " 49 "	19	535	1,577,120	125,421	4,836,715	8,271,496
50 " 99 "	9	627	1,901,430	191,905	3,168,475	7,624,447
100 " 199 "	8	1,010	2,991,576	226,724	6,583,944	12,785,348
200 " 499 "	8	2,588	8,431,691	618,885	16,212,986	33,236,096
500 " 999 "	9	6,138	20,537,033	1,047,106	30,215,335	72,610,396
1,000 " 1,499 "	6	—	—	—	—	—
1,500 and over	2	12,090	46,313,832	2,642,037	99,022,202	219,645,891
Totals	91	23,136	82,154,889	4,884,170	160,686,586	355,583,815
Leather products:						
Under 5 employees	156	358	719,809	57,151	1,634,689	2,814,636
5 to 14 employees	120	1,143	2,361,071	85,195	3,391,223	7,253,347
15 " 49 "	187	5,315	12,063,209	392,656	20,260,305	38,335,531
50 " 99 "	87	6,319	14,334,218	337,494	21,654,773	43,707,237
100 " 199 "	66	9,321	22,547,322	613,596	36,572,560	70,733,160
200 " 499 "	27	7,213	18,999,168	598,172	33,624,227	62,562,072
500 " 999 "	3	1,715	3,945,237	213,259	6,653,055	11,626,002
Totals	646	31,384	74,970,034	2,297,523	123,790,832	237,031,985
Textile mills:						
Under 5 employees	234	562	1,105,844	76,915	2,138,297	4,390,875
5 to 14 employees	258	2,225	5,078,477	281,726	13,655,735	22,961,411
15 " 49 "	253	6,826	16,652,119	1,094,592	50,714,720	81,314,555
50 " 99 "	84	5,744	15,104,072	1,055,169	38,463,520	64,725,977
100 " 199 "	60	8,704	24,562,179	1,494,156	65,771,650	108,589,896
200 " 499 "	53	16,967	47,526,797	3,700,267	92,357,849	173,833,991
500 " 999 "	10	7,518	19,852,187	1,517,483	44,557,150	78,246,888
1,000 " 1,499 "	9	10,865	30,541,283	2,593,230	83,727,689	143,756,403
1,500 and over	4	9,109	27,445,847	3,195,994	39,033,480	89,157,131
Head Offices ¹	—	2,353	11,458,705	—	—	—
Totals	965	70,873	199,327,510	15,009,532	430,420,090	766,977,127

See footnotes at the end of table.

TABLE 52. Principal Statistics of Manufacturing Industries, by Industrial Group, Classified by Number of Employees per Establishment 1956 - Continued

Industrial group, by size	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		
Knitting mills:						
Under 5 employees.....	34	80	187,461	12,245	759,372	1,253,763
5 to 14 employees.....	44	416	872,484	32,670	2,190,685	3,781,153
15 " 49 ".....	89	2,614	5,876,502	239,313	12,319,829	23,149,335
50 " 99 ".....	56	4,027	8,845,923	330,057	15,642,235	30,008,855
100 " 199 ".....	33	4,466	10,157,184	409,622	17,389,671	33,008,905
200 " 499 ".....	27	8,236	19,402,562	678,827	29,370,118	61,330,207
500 " 999 ".....	3	1,975	3,792,435	210,493	6,254,110	12,617,509
Head Offices ¹	—	99	503,406	—	—	—
Totals	286	21,913	49,637,957	1,913,227	83,926,020	165,149,727
Clothing:						
Under 5 employees.....	478	1,178	2,589,701	104,456	12,415,507	18,313,045
5 to 14 employees.....	670	5,830	14,496,708	354,383	42,484,350	68,171,204
15 " 49 ".....	884	24,250	57,508,689	946,642	107,981,265	201,596,661
50 " 99 ".....	300	20,210	45,692,868	675,948	85,998,009	158,640,931
100 " 199 ".....	140	18,693	40,702,354	584,038	80,596,688	146,687,450
200 " 499 ".....	45	13,371	30,996,311	413,475	47,638,694	94,589,772
500 " 999 ".....	7	5,948	14,896,441	139,100	22,134,514	45,770,899
1,000 " 1,499 ".....	1	—	—	—	—	—
Head Offices ¹	—	319	1,333,139	—	—	—
Totals	2,525	89,799	208,216,211	3,218,042	399,249,027	733,769,962
Wood products:						
Under 5 employees.....	6,790	13,371	17,964,689	1,758,135	38,352,137	74,468,337
5 to 14 employees.....	2,532	20,451	47,343,839	4,067,545	109,280,499	196,859,560
15 " 49 ".....	1,262	33,029	91,318,887	6,068,730	214,217,435	378,180,366
50 " 99 ".....	311	21,371	62,681,957	3,046,874	133,455,072	243,599,522
100 " 199 ".....	144	19,424	58,877,480	2,610,540	114,812,978	214,701,839
200 " 499 ".....	51	16,427	53,590,493	1,610,485	92,968,498	186,273,437
500 " 999 ".....	12	10,478	38,641,517	1,107,076	85,378,705	152,529,499
1,000 " 1,499 ".....	1	—	—	—	—	—
Head Offices ¹	—	1,032	5,930,405	—	—	—
Totals	11,103	135,583	376,349,267	20,269,385	788,465,324	1,446,612,560
Paper products:						
Under 5 employees.....	66	160	337,973	24,407	1,005,353	1,783,767
5 to 14 employees.....	90	794	2,157,310	163,969	5,963,827	10,530,509
15 " 49 ".....	142	3,944	11,175,742	1,041,062	29,344,037	53,132,295
50 " 99 ".....	89	6,354	19,154,398	2,092,751	57,880,318	105,184,125
100 " 199 ".....	70	9,845	32,888,987	3,937,829	88,890,445	159,736,052
200 " 499 ".....	61	19,960	78,155,963	21,954,348	217,912,160	424,680,111
500 " 999 ".....	33	24,584	108,217,205	38,996,091	254,523,333	589,220,576
1,000 " 1,499 ".....	11	14,410	67,069,879	21,114,640	139,806,372	320,801,524
1,500 and over.....	6	10,612	47,374,377	18,162,712	89,730,416	222,542,041
Head Offices ¹	—	3,042	20,354,582	—	—	—
Totals	568	93,705	386,886,416	107,487,809	885,056,261	1,887,611,000
Printing, publishing and allied industries:						
Under 5 employees.....	1,760	3,842	7,917,300	353,358	10,958,802	24,455,989
5 to 14 employees.....	1,166	9,627	27,239,257	778,484	23,386,714	66,915,945
15 " 49 ".....	506	12,881	42,425,742	1,036,071	32,571,382	105,707,175
50 " 99 ".....	149	10,533	36,381,702	822,001	30,397,631	94,630,365
100 " 199 ".....	63	8,551	31,545,341	690,033	25,061,859	81,366,845
200 " 499 ".....	38	11,979	43,620,235	809,783	37,717,160	125,830,851
500 " 999 ".....	13	8,735	36,860,623	550,266	35,453,066	109,882,518
1,000 " 1,499 ".....	2	6,108	27,824,488	488,641	25,067,068	73,974,605
1,500 and over.....	2	—	—	—	—	—
Head Offices ¹	—	105	557,437	—	—	—
Not classifiable ²	886	—	—	—	4,587,912	5,669,970
Totals	4,585	72,361	254,372,125	5,528,637	225,201,594	688,434,263
Iron and steel products:						
Under 5 employees.....	676	1,732	4,250,893	325,872	5,942,686	14,248,068
5 to 14 employees.....	886	7,892	23,646,414	1,280,854	31,116,425	73,527,689
15 " 49 ".....	785	20,966	71,366,661	3,372,800	111,305,504	241,595,565
50 " 99 ".....	256	18,262	66,398,535	2,957,416	115,244,816	234,952,171
100 " 199 ".....	152	21,076	79,267,778	5,141,312	151,253,727	294,314,428
200 " 499 ".....	140	43,140	165,168,092	7,786,744	279,104,944	588,016,249
500 " 999 ".....	47	31,291	125,135,117	7,665,090	216,390,196	437,619,492
1,000 " 1,499 ".....	10	12,587	51,466,273	5,940,135	111,290,892	219,478,428
1,500 and over.....	11	39,560	177,314,117	30,869,760	294,164,563	653,017,387
Head Offices ¹	—	412	2,362,207	—	—	—
Totals	2,963	196,918	766,376,087	65,339,983	1,315,813,753	2,756,769,477

See footnotes at the end of tables.

TABLE 52. Principal Statistics of Manufacturing Industries, by Industrial Group, Classified by Number of Employees per Establishment 1956 — Continued

Industrial group, by size	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		
Transportation equipment:						
Under 5 employees.....	172	395	863,550	57,975	1,812,331	3,962,968
5 to 14 employees.....	120	1,048	3,070,934	159,089	3,437,775	8,195,134
15 " 49 ".....	130	3,603	11,918,259	499,221	17,169,465	37,473,962
50 " 99 ".....	47	3,206	11,331,409	398,323	16,958,534	37,269,914
100 " 199 ".....	38	5,273	18,601,824	965,521	33,641,179	66,063,019
200 " 499 ".....	32	10,116	38,331,059	1,757,052	74,639,733	142,853,484
500 " 999 ".....	21	15,708	57,025,365	2,048,135	104,148,338	187,956,530
1,000 " 1,499 ".....	11	12,627	49,102,949	2,407,936	148,171,396	226,750,334
1,500 and over.....	20	88,579	359,506,004	13,052,824	886,318,653	1,482,409,630
Head Offices ¹	—	702	3,820,473	—	—	—
Totals	591	141,257	553,571,826	21,346,076	1,286,297,404	2,192,934,975
Non-ferrous metal products:						
Under 5 employees.....	154	363	865,368	62,854	1,864,031	3,419,086
5 to 14 employees.....	177	1,575	4,727,773	226,500	11,017,534	19,212,123
15 " 49 ".....	135	3,593	11,741,606	844,743	60,952,028	84,077,850
50 " 99 ".....	42	2,886	9,137,893	611,231	29,759,938	45,591,465
100 " 199 ".....	27	3,681	12,717,295	1,690,464	89,312,949	131,447,384
200 " 499 ".....	24	7,608	28,203,958	7,082,902	113,633,232	204,628,735
500 " 999 ".....	11	7,479	28,675,012	12,134,425	327,367,892	422,078,202
1,000 " 1,499 ".....	3	3,548	15,155,173	6,838,541	87,401,666	148,745,300
1,500 and over.....	8	24,201	103,524,971	41,295,375	407,652,286	802,956,017
Head Offices ¹	—	1,137	5,620,691	—	—	—
Totals	581	56,071	220,369,740	70,787,035	1,128,961,556	1,862,156,162
Electrical apparatus and supplies.....	55	121	287,385	21,905	789,540	1,341,343
5 to 14 employees.....	92	809	2,435,188	117,226	5,511,764	10,235,959
15 " 49 ".....	126	3,603	10,878,067	492,545	32,826,222	53,569,539
50 " 99 ".....	65	4,487	13,831,191	553,867	30,905,135	59,153,423
100 " 199 ".....	49	6,901	23,361,818	712,198	57,274,334	103,399,289
200 " 499 ".....	51	15,766	56,623,218	1,832,033	137,914,043	250,163,207
500 " 999 ".....	21	14,963	54,381,624	1,807,082	90,275,407	187,757,692
1,000 " 1,499 ".....	6	7,078	27,916,746	1,051,233	52,972,525	98,189,723
1,500 and over.....	8	29,021	117,607,884	2,576,178	149,780,550	326,384,000
Head Offices ¹	—	547	3,199,679	—	—	—
Totals	473	83,296	310,522,800	9,164,267	558,249,520	1,090,194,175
Non-metallic mineral products:						
Under 5 employees.....	411	988	2,025,335	264,550	3,085,666	7,368,245
5 to 14 employees.....	344	2,979	8,379,180	1,397,957	15,012,651	32,890,491
15 " 49 ".....	260	7,014	23,522,122	6,839,220	38,273,384	100,621,735
50 " 99 ".....	78	5,183	17,621,892	5,326,177	23,177,564	68,685,040
100 " 199 ".....	51	7,385	27,448,842	8,969,217	41,777,299	117,626,011
200 " 499 ".....	29	8,401	32,520,989	14,114,897	49,851,373	147,830,015
500 " 999 ".....	8	7,633	28,840,424	9,387,232	35,694,554	97,517,574
1,000 " 1,499 ".....	2	582	2,864,379	—	—	—
Head Offices ¹	—	—	—	—	—	—
Totals	1,183	40,165	143,223,163	46,299,250	206,872,491	572,539,111
Products of petroleum and coal:						
Under 5 employees.....	12	33	99,117	20,747	204,658	408,793
5 to 14 employees.....	22	197	726,962	124,401	4,471,821	6,432,067
15 " 49 ".....	24	641	2,629,886	636,735	10,933,011	22,200,653
50 " 99 ".....	11	805	3,271,460	2,742,848	44,536,376	62,778,596
100 " 199 ".....	12	1,744	7,455,740	5,375,131	90,603,951	140,868,847
200 " 499 ".....	20	6,385	28,618,856	20,914,831	335,092,115	570,388,262
500 " 999 ".....	5	5,412	25,116,649	20,545,570	351,984,982	574,148,885
1,500 and over.....	1	—	—	—	—	—
Head Offices ¹	—	2,468	13,761,254	—	—	—
Totals	107	17,685	81,679,924	50,360,263	837,826,914	1,377,226,103
Chemicals and allied products:						
Under 5 employees.....	361	797	1,827,761	159,841	4,205,877	10,380,822
5 to 14 employees.....	316	2,689	8,861,269	664,071	28,222,547	56,541,030
15 " 49 ".....	255	6,986	24,016,010	2,461,392	90,640,973	167,884,917
50 " 99 ".....	97	6,720	22,939,966	2,549,299	81,537,284	157,328,796
100 " 199 ".....	52	7,126	26,328,521	3,947,312	78,849,020	171,159,758
200 " 499 ".....	32	9,548	37,782,879	6,886,390	80,918,853	191,111,922
500 " 999 ".....	14	10,098	40,938,688	10,592,481	89,819,235	222,117,686
1,000 " 1,499 ".....	3	6,605	25,550,664	9,378,151	73,370,438	134,708,473
1,500 and over.....	1	—	—	—	—	—
Head Offices ¹	—	2,252	12,496,889	—	—	—
Totals	1,131	52,821	200,742,647	36,638,937	527,564,227	1,111,233,404

See footnotes at the end of table.

TABLE 52. Principal Statistics of Manufacturing Industries, by Industrial Group, Classified by Number of Employees per Establishment 1956 — Concluded

Industrial group, by size	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		
Miscellaneous manufacturing industries:						
Under 5 employees	638	1,288	3,351,652	273,181	4,365,177	10,178,594
5 to 14 employees	458	3,825	10,796,969	670,222	12,713,571	31,341,487
15 " 49 "	309	8,099	22,724,834	1,025,542	40,325,963	83,329,176
50 " 99 "	84	5,725	15,191,452	587,686	28,057,808	57,710,842
100 " 199 "	46	5,997	18,037,530	737,748	25,011,731	59,746,391
200 " 499 "	16	4,692	15,202,076	478,066	17,512,781	42,469,163
500 " 999 "	4	3,615	14,259,537	337,099	10,882,691	41,804,360
1,000 " 1,499 "	1		784,430	—	—	—
Head Offices ¹	—	191	—	—	—	—
Totals	1,556	33,432	100,348,480	4,109,544	138,869,722	326,580,013

¹ Under this heading are included only those head offices that are not located at the plant.

² Consists of the industry "Publishing (only) of Periodicals".

Size of Establishment in Leading Industries.— Table 53 summarizes the degree of concentration in some of the leading industries of Canada. Concentration is extremely marked in the case of motor vehicles, non-ferrous metal smelting and refining, railway rolling-stock, cotton yarn and cloth, primary iron and steel, pulp and paper, and heavy electrical machinery; whereas

in the case of women's factory clothing, miscellaneous food preparations, furniture, butter and cheese, bread and other bakery products, fruit and vegetable preparations, sawmills and men's factory clothing, the degree of concentration is low. This concentration is analysed in detail for each of the twenty-five leading industries in the tables following.

TABLE 53. Percentage Importance of Establishments, each Employing 200 or more Persons in the Twenty-Five Leading Industries, 1956.

No	Industry	Number of such establishments	Percentage of total number in the industry	Percentage of of total shipments in the industry
1	Pulp and paper	80	63.5	95.1
2	Non-ferrous metal smelting and refining	20	87.0	98.3
3	Petroleum products	17	27.9	83.5
4	Motor vehicles	9	56.3	99.0
5	Slaughtering and meat packing	33	21.4	78.2
6	Primary iron and steel	16	32.0	91.7
7	Sawmills	23	0.3	26.5
8	Butter and cheese	19	1.4	22.0
9	Miscellaneous electrical apparatus and supplies	26	16.1	81.4
10	Rubber goods, including footwear	25	27.5	91.5
11	Aircraft and parts	17	32.7	97.4
12	Railway rolling stock	18	62.1	96.5
13	Miscellaneous food preparations	4	1.3	17.4
14	Motor vehicle parts	23	11.6	75.0
15	Machinery, industrial	33	10.0	60.0
16	Bread and other bakery products	26	1.0	31.8
17	Printing and publishing	33	4.3	69.3
18	Furniture	17	0.9	17.6
19	Sheet metal products	26	6.8	55.9
20	Clothing, men's factory	34	6.2	37.3
21	Machinery, heavy, electrical	20	27.0	82.7
22	Fruit and vegetable preparations	8	1.8	35.3
23	Telecommunication equipment	26	20.8	80.4
24	Brass and copper products	12	7.8	46.1
25	Iron castings	23	11.6	78.4

TABLE 54. Principal Statistics of the Twenty-Five Leading Manufacturing Industries Classified According to the Number of Employees per Establishment, 1956

Industry 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	
1. Pulp and paper mills:						
5 to 14 employees.....	2	494	1,545,634	607,657	3,053,374	7,828,895
15 " 49 ".....	14					
50 " 99 ".....	14	998	3,574,783	1,327,466	10,112,480	22,272,651
100 " 199 ".....	16	2,313	8,421,617	2,938,039	18,989,297	40,967,401
200 " 499 ".....	33	11,901	50,544,747	20,594,040	130,371,309	283,962,057
500 " 999 ".....	30	22,678	101,461,808	38,761,337	233,142,194	555,067,157
1,000 " 1,499 ".....	11	14,410	67,069,879	21,114,640	139,806,372	320,801,524
1,500 and over.....	6	10,612	47,374,377	18,162,712	89,730,416	222,542,041
Head Offices ¹	—	2,579	17,579,099	—	—	—
Totals	126	65,985	297,571,944	103,505,891	625,205,442	1,453,441,726
2. Non-ferrous metal smelting and refining:						
15 to 49 employees.....	1	272	1,010,332	847,639	7,101,514	23,867,249
100 " 199 ".....	2					
200 " 499 ".....	5	1,870	7,067,641	5,999,824	76,554,631	130,716,698
500 " 999 ".....	6	4,470	17,972,451	11,250,514	294,416,734	368,619,899
1,000 " 1,499 ".....	2					
1,500 and over.....	7	24,176	104,089,520	46,844,526	442,531,443	873,361,332
Totals	23	30,788	130,139,944	64,942,503	820,604,322	1,396,565,178
3. Petroleum products:						
Under 5 employees.....	6	14	33,215	5,533	68,706	159,269
5 to 14 employees.....	10	102	391,874	80,991	2,200,637	3,354,703
15 " 49 ".....	9	258	1,222,150	444,723	7,952,929	14,912,775
50 " 99 ".....	8	593	2,432,600	1,969,941	37,288,490	52,103,585
100 " 199 ".....	11	1,565	6,844,271	5,303,715	88,362,395	136,869,109
200 " 499 ".....	12	4,192	20,004,668	15,971,201	296,976,126	497,354,278
500 " 999 ".....	4					
1,500 and over.....	1	4,736	21,702,910	19,351,120	333,525,974	549,045,260
Head Offices ¹	—	2,465	13,709,950	—	—	—
Totals	61	13,925	66,341,638	43,127,224	766,375,257	1,253,798,979
4. Motor vehicles:						
15 to 49 employees.....	2	181	630,161	23,820	1,389,227	3,225,209
50 " 99 ".....	2					
100 " 199 ".....	3	455	1,922,653	36,034	2,552,413	6,826,521
200 " 499 ".....	3					
500 " 999 ".....	1	2,799	10,771,445	533,036	59,735,303	70,965,756
1,000 " 1,499 ".....	1					
1,500 and over.....	4	31,059	133,258,839	5,385,919	633,623,044	907,125,787
Head Offices ¹	—	605	3,365,125	—	—	—
Totals	16	35,099	149,948,223	5,978,809	697,299,987	988,143,273
5. Slaughtering and meat packing:						
Under 5 employees.....	8	25	49,244	10,406	333,425	466,800
5 to 14 employees.....	41	382	958,266	139,550	12,166,863	14,334,608
15 " 49 ".....	42	1,187	3,543,727	443,760	32,811,675	40,673,266
50 " 99 ".....	16	1,134	4,007,896	297,322	38,015,408	47,436,641
100 " 199 ".....	14	2,102	7,283,794	642,818	63,390,771	80,947,404
200 " 499 ".....	21	6,815	24,939,439	1,377,977	188,765,854	233,792,690
500 " 999 ".....	8	6,317	23,253,481	942,746	144,016,463	184,762,569
1,000 " 1,499 ".....	3					
1,500 and over.....	1	6,705	26,436,038	1,740,004	188,493,065	242,474,706
Totals	154	24,667	90,471,885	5,594,583	667,993,524	844,888,684
6. Primary iron and steel:						
5 to 14 employees.....	3	160	618,729	66,083	594,806	1,938,063
15 " 49 ".....	5					
50 " 99 ".....	10	677	2,718,159	373,538	8,947,823	11,730,416
100 " 199 ".....	16	2,360	9,377,837	1,886,204	19,218,341	42,711,545
200 " 499 ".....	6	1,958	8,320,507	1,071,033	9,986,366	35,793,272
500 " 999 ".....	3					
1,000 " 1,499 ".....	2	4,477	18,102,887	6,103,214	36,798,837	80,581,852
1,500 and over.....	5	26,395	123,643,999	28,811,879	225,752,409	508,105,322
Head Offices ¹	—	16	98,749	—	—	—
Totals	50	36,043	162,880,867	38,311,951	301,298,582	680,860,470

¹ Under this heading are included only those head offices that are not located at the plant.

TABLE 54. Principal Statistics of the Twenty-Five Leading Manufacturing Industries Classified According to the Number of Employees per Establishment, 1956 - Continued

Industry 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		
7. Sawmills:						
Under 5 employees.....	4,494	8,946	9,125,778	974,424	25,206,478	46,847,583
5 to 14 employees.....	1,456	11,535	24,622,884	2,340,017	62,862,772	114,447,591
15 " 49 ".....	533	13,294	36,950,275	2,816,306	86,205,833	158,062,280
50 " 99 ".....	81	5,591	17,559,817	890,255	36,852,579	70,328,238
100 " 199 ".....	42	5,724	18,961,500	941,824	42,693,175	80,199,316
200 " 499 ".....	14	4,559	16,752,597	321,018	33,874,558	63,085,989
500 " 999 ".....	9	6,684	25,428,331	673,984	63,050,333	106,443,363
Head Offices ¹	—	745	4,408,022	—	—	—
Totals	6,629	57,078	153,809,204	8,957,828	350,745,728	639,414,360
8. Butter and cheese:						
Under 5 employees.....	753	1,956	3,469,136	936,560	62,215,309	69,378,550
5 to 14 employees.....	387	2,979	7,079,597	1,761,359	78,475,350	93,682,595
15 " 49 ".....	155	4,035	10,888,990	2,427,115	71,837,993	95,183,093
50 " 99 ".....	37	2,596	7,578,785	998,577	25,377,092	40,397,664
100 " 199 ".....	18	2,366	7,794,382	801,339	24,504,403	37,921,136
200 " 499 ".....	16	4,489	15,789,311	1,328,748	44,076,652	71,337,891
500 " 999 ".....	3	1,714	5,830,682	505,123	13,475,840	23,354,333
Totals	1,369	20,135	58,430,883	8,758,821	319,962,639	431,255,262
9. Miscellaneous electrical apparatus and supplies:						
Under 5 employees.....	20	42	88,284	5,385	203,914	367,630
5 to 14 employees.....	33	281	887,441	36,007	1,963,848	3,544,341
15 " 49 ".....	51	1,536	4,792,697	231,607	16,097,615	26,499,842
50 " 99 ".....	16	1,080	3,472,734	171,250	9,673,214	15,588,284
100 " 199 ".....	15	1,973	6,374,354	212,645	13,592,656	27,015,539
200 " 499 ".....	17	5,482	20,064,067	878,248	60,283,930	107,346,170
500 " 999 ".....	5	4,096	13,577,562	697,280	23,370,870	49,143,096
1,000 " 1,499 ".....	1	—	—	—	—	—
1,500 and over.....	3	11,919	49,896,217	1,046,840	80,242,641	164,057,047
Head Offices ¹	—	92	486,058	—	—	—
Totals	161	26,501	99,639,414	3,279,262	205,428,688	393,561,949
10. Rubber goods including footwear:						
Under 5 employees.....	15	33	65,191	4,163	117,293	237,810
5 to 14 employees.....	15	115	337,016	27,929	529,636	1,172,331
15 " 49 ".....	19	535	1,577,120	125,421	4,836,715	8,271,496
50 " 99 ".....	9	627	1,901,430	191,905	3,168,475	7,624,447
100 " 199 ".....	8	1,010	2,991,576	226,724	6,583,944	12,785,348
200 " 499 ".....	8	2,588	8,431,691	618,885	16,212,986	33,236,096
500 " 999 ".....	9	6,138	20,537,033	1,047,106	30,215,335	72,610,396
1,000 " 1,499 ".....	6	—	—	—	—	—
1,500 and over.....	2	12,090	46,313,832	2,642,037	99,022,202	219,645,891
Totals	91	23,136	82,154,889	4,884,170	160,686,586	355,583,815
11. Aircraft and parts:						
5 to 14 employees.....	9	90	335,793	15,463	115,115	685,271
15 " 49 ".....	20	514	1,970,298	59,880	1,206,565	4,058,370
50 " 99 ".....	4	557	2,277,010	47,300	1,284,427	4,446,329
100 " 199 ".....	2	—	—	—	—	—
200 " 499 ".....	6	1,735	6,888,293	309,154	7,536,545	18,166,051
500 " 999 ".....	5	4,752	17,158,607	408,626	13,482,821	34,892,207
1,000 " 1,499 ".....	1	—	—	—	—	—
1,500 and over.....	5	27,915	117,798,013	3,244,123	114,530,381	292,261,857
Totals	52	35,563	146,428,014	4,084,546	138,155,854	354,510,085
12. Railway rolling stock:						
5 to 14 employees.....	1	—	—	—	—	—
15 " 49 ".....	3	220	750,230	26,085	3,112,732	4,940,908
50 " 99 ".....	2	—	—	—	—	—
100 " 199 ".....	5	1,045	3,765,077	298,794	7,677,107	15,049,978
200 " 499 ".....	1	—	—	—	—	—
500 " 999 ".....	6	4,777	16,480,788	624,116	30,658,969	54,115,209
1,000 " 1,499 ".....	6	7,046	27,308,350	1,374,009	93,129,408	141,935,007
1,500 and over.....	5	15,030	52,424,726	2,071,123	72,449,864	129,475,104
Totals	29	28,118	100,729,171	4,394,127	207,028,080	345,516,206

¹ Under this heading are included only those head offices that are not located at the plant.

TABLE 54. Principal Statistics of the Twenty-Five Leading Manufacturing Industries Classified According to the Number of Employees per Establishment, 1956 — Continued

Industry 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		
13. Miscellaneous food preparations:						
Under 5 employees	91	223	474,087	67,125	2,345,354	3,500,889
5 to 14 employees	83	737	1,927,150	239,510	16,021,985	21,295,878
15 " 49 "	72	1,986	5,637,655	554,874	41,784,573	58,051,253
50 " 99 "	35	2,510	7,855,166	1,360,316	67,095,523	97,994,387
100 " 199 "	16	2,380	7,065,206	399,655	66,350,160	95,749,298
200 " 499 "	3					
500 " 999 "	1	1,376	5,011,127	950,713	35,926,397	58,076,361
Head Offices ¹	—	466	2,490,212	—	—	—
Totals	301	9,678	30,460,603	3,572,193	229,523,992	334,668,066
14. Motor vehicle parts:						
Under 5 employees	39	100	266,665	18,272	1,191,983	2,266,054
5 to 14 employees	42	384	1,174,550	63,813	1,714,360	3,774,464
15 " 49 "	57	1,611	5,390,843	274,812	10,097,263	19,400,902
50 " 99 "	20	1,395	4,843,280	192,166	9,902,143	19,928,871
100 " 199 "	17	2,306	7,721,110	417,467	21,325,522	36,946,023
200 " 499 "	16	5,164	20,046,428	1,023,671	43,683,769	83,311,482
500 " 999 "	4	3,276	13,901,196	572,452	39,053,111	63,050,235
1,000 " 1,499 "	2					
1,500 and over	1	7,138	28,562,437	2,044,438	50,616,772	100,847,089
Head Offices ¹	—	97	455,348	—	—	—
Totals	198	21,471	82,361,857	4,607,091	177,584,923	329,525,120
15. Machinery, industrial:						
Under 5 employees	46	111	283,708	18,349	961,847	1,704,137
5 to 14 employees	82	773	2,768,008	149,971	5,553,653	11,039,411
15 " 59 "	94	2,588	9,115,621	366,759	12,097,858	28,011,319
50 " 99 "	44	3,372	12,989,615	361,169	20,304,069	42,304,018
100 " 199 "	30	4,096	15,426,266	469,242	25,134,541	48,856,185
200 " 499 "	24	7,682	30,523,603	711,488	34,292,707	89,709,484
500 " 999 "	8					
1,500 and over	1	7,944	31,726,774	1,087,628	44,432,098	107,822,673
Head Offices ¹	—	9	50,517	—	—	—
Totals	329	26,575	102,884,112	3,164,606	142,776,773	329,447,227
16. Bread and other bakery products:						
Under 5 employees	1,397	3,507	5,959,123	1,149,762	11,746,696	23,378,165
5 to 14 employees	874	6,796	14,000,077	1,913,455	23,100,405	46,404,830
15 " 49 "	228	5,811	14,460,901	1,758,749	23,417,120	48,373,864
50 " 99 "	66	4,618	13,150,148	1,465,566	21,083,976	44,476,334
100 " 199 "	33	4,448	13,956,408	1,386,912	21,741,336	46,598,691
200 " 499 "	19	5,983	18,547,387	1,793,166	26,748,268	57,614,300
500 " 999 "	7	4,293	13,684,984	1,288,044	18,087,999	39,959,114
Totals	2,624	35,456	93,759,028	10,755,654	145,925,800	306,805,298
17. Printing and publishing:						
Under 5 employees	285	679	1,584,683	113,414	694,746	3,303,974
5 to 14 employees	260	2,206	6,020,253	248,448	2,347,216	11,754,300
15 " 49 "	114	2,810	8,286,771	273,049	3,716,673	17,811,408
50 " 99 "	49	3,651	12,196,218	341,435	5,879,666	29,466,108
100 " 199 "	27	3,452	12,370,564	326,965	7,157,659	31,262,461
200 " 499 "	22	7,047	26,284,470	494,527	20,904,180	76,895,612
500 " 999 "	7	4,905	21,255,094	310,288	18,221,356	60,858,117
1,000 " 1,499 "	2					
1,500 and over	2	6,108	27,824,488	488,641	25,067,068	73,974,605
Head Offices ¹	—	49	203,312	—	—	—
Totals	768	30,907	116,025,853	2,596,767	83,988,564	305,326,585
18. Furniture:						
Under 5 employees	1,015	1,980	4,258,996	332,007	5,802,391	12,677,149
5 to 14 employees	419	3,394	8,813,056	446,435	13,482,773	26,597,043
15 " 49 "	286	7,722	21,872,629	815,097	39,336,326	73,762,292
50 " 99 "	103	7,141	20,810,935	778,460	35,707,010	69,667,041
100 " 199 "	50	6,698	19,829,770	643,233	31,133,143	62,544,705
200 " 499 "	16					
500 " 999 "	1	5,789	17,883,365	429,833	22,553,629	52,306,174
Totals	1,890	32,724	93,468,751	3,445,065	148,015,272	297,534,404

¹ Under this heading are included only those head offices that are not located at the plant.

TABLE 54. Principal Statistics of the Twenty-Five Leading Manufacturing Industries Classified According to the Number of Employees per Establishment, 1956 - Continued

Industry 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		
19. Sheet metal products:						
Under 5 employees	71	221	548,902	39,464	1,323,817	2,574,537
5 to 14 employees	103	897	2,567,450	140,974	5,573,386	11,215,357
15 " 49 "	128	3,428	11,498,312	519,152	24,942,363	48,085,051
50 " 99 "	33	2,276	7,560,264	312,524	15,967,993	29,391,386
100 " 199 "	20	2,705	9,315,769	508,336	21,436,969	39,215,304
200 " 499 "	19	5,776	23,369,120	931,661	60,803,125	106,577,978
500 " 999 "	7	4,709	18,885,670	720,190	32,699,416	58,983,515
Totals	381	20,012	73,745,487	3,172,301	162,747,069	296,043,128
20. Clothing, men's factory:						
Under 5 employees	80	184	509,454	16,531	5,068,737	6,668,799
5 to 14 employees	119	1,023	2,734,633	61,026	15,589,971	21,741,284
15 " 49 "	194	5,304	12,331,428	213,601	31,312,985	51,569,277
50 " 99 "	74	4,942	10,079,531	183,946	22,678,920	38,756,958
100 " 199 "	50	6,856	14,926,826	210,132	29,196,308	51,812,505
200 " 499 "	27	8,240	19,921,609	231,188	31,908,085	61,865,093
500 " 999 "	6					
1,000 " 1,499 "	1	5,199	13,407,192	120,518	19,670,646	39,731,999
Head Offices ¹	—	293	1,261,270	—	—	—
Totals	551	32,041	75,171,943	1,036,942	155,425,652	272,145,915
21. Machinery, heavy, electrical:						
Under 5 employees	2					
5 to 14 employees	13	116	330,908	18,306	697,340	1,527,797
15 " 49 "	11	312	918,449	37,512	4,109,701	6,483,579
50 " 99 "	17	1,185	3,984,441	131,977	6,681,910	14,334,431
100 " 199 "	11	1,433	5,344,094	141,350	11,266,146	22,900,326
200 " 499 "	9	2,762	10,829,488	218,614	15,850,671	33,648,284
500 " 999 "	9					
1,500 and over	2	17,516	72,381,571	1,877,107	77,468,580	182,937,791
Head Offices ¹	—	312	1,941,021	—	—	—
Totals	74	23,636	95,729,972	2,424,866	116,074,348	261,832,208
22. Fruit and vegetable preparations:						
Under 5 employees	103	203	302,145	41,384	1,474,554	2,294,053
5 to 14 employees	108	934	1,655,635	192,846	5,789,765	9,650,937
15 " 49 "	150	4,183	8,225,458	829,362	33,837,563	53,185,174
50 " 99 "	50	3,376	6,720,242	669,539	24,733,562	42,827,895
100 " 199 "	27	3,661	8,343,965	720,008	34,207,070	53,598,545
200 " 499 "	6					
500 " 999 "	2	4,065	13,494,593	868,728	50,457,101	88,326,943
1,000 " 1,499 "	—					
Head Offices ¹	—	328	1,227,000	—	—	—
Totals	446	16,750	39,969,038	3,321,867	150,499,615	249,883,547
23. Telecommunication equipment:						
Under 5 employees	14	34	88,465	8,671	273,675	437,009
5 to 14 employees	24	222	668,353	17,131	1,197,471	2,254,149
15 " 49 "	32	896	2,613,724	78,276	5,173,178	9,245,934
50 " 99 "	21	1,428	4,063,464	105,852	7,180,441	15,977,327
100 " 199 "	8	1,265	4,017,742	54,138	13,171,885	20,132,032
200 " 499 "	16	4,728	15,357,476	332,824	41,184,099	64,685,063
500 " 999 "	4	2,800	9,089,801	156,273	23,969,415	42,477,358
1,000 " 1,499 "	3	3,575	13,999,356	228,060	19,215,300	39,863,232
1,500 and over	3	6,403	22,393,796	288,411	23,816,992	49,690,830
Head Offices ¹	—	52	276,740	—	—	—
Totals	125	21,403	72,568,917	1,269,636	135,182,456	244,762,934
24. Brass and copper products:						
Under 5 employees	36	81	183,769	17,898	279,423	550,702
5 to 14 employees	48	429	1,304,977	92,540	3,160,107	5,450,121
15 " 49 "	38	1,010	3,511,067	392,545	43,792,249	52,005,569
50 " 99 "	14	989	3,436,327	228,004	11,624,551	17,990,508
100 " 199 "	6	856	3,308,882	257,157	48,316,212	55,599,110
200 " 499 "	7	1,963	7,413,209	296,959	7,170,960	22,252,184
500 " 999 "	4					
1,000 " 1,499 "	1	3,881	15,497,304	1,120,010	59,258,163	90,247,922
Head Offices ¹	—	11	73,826	—	—	—
Totals	154	9,220	34,729,361	2,405,113	173,601,663	244,096,116

¹ Under this heading are included only those head offices that are not located at the plant.

TABLE 54. Principal Statistics of the Twenty-Five Leading Manufacturing Industries Classified According to the Number of Employees per Establishment, 1956 — Concluded

Industry 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		
25. Iron castings:						
Under 5 employees.....	31	70	132,811	12,920	209,543	566,165
5 to 14 employees.....	40	364	1,054,845	64,643	1,090,348	2,770,402
15 " 49 ".....	71	2,228	7,184,552	362,756	9,373,108	23,173,060
50 " 99 ".....	30	2,189	7,845,604	314,511	7,869,869	21,211,837
100 " 199 ".....	4	459	1,849,539	91,723	2,498,411	4,932,355
200 " 499 ".....	14	4,146	16,071,717	1,117,028	32,248,636	61,307,127
500 " 999 ".....	6					
1,000 " 1,499 ".....	3	7,774	31,798,785	2,220,441	70,101,807	130,067,641
Head Offices ¹	—	131	877,803	—	—	—
Totals	199	17,361	66,815,656	4,184,022	123,391,722	244,028,587

¹ Under this heading are included only those head offices that are not located at the plant.

Subsection 7. Fuel and Power Consumption

Cost of fuel and Electricity.— Fuel is used quite generally throughout the industrial field for the generation of power by means of steam and internal combustion engines. It is also used for the heating of plants, and for providing the heat necessary to some manufacturing processes. The most important industries where heat is applied to the materials to facilitate or accomplish the desired transformation are foundries and machine shops, brick, tile, lime, and cement-making, petroleum refining, the glass industry, distilleries, food preparation, rubber goods, etc. Fuel used for such heating purposes, as well as for power, is included in the figures of Table 55. In addition to the electricity used for ordinary power purposes, the figures include also the electricity used for heating boilers in the pulp and paper industry. Consumption of surplus energy in electric boilers increased rapidly during the years preceding the Second World War.

The figures of the table do not include coke charged to iron-blast furnaces or foundry cupolas. Neither do they include fuels that constitute the raw materials to be transformed, as coal in the coke and gas industries and crude petroleum in the refining industry.

The value of purchased fuel consumed increased 484 p.c. from 1939 to 1956. Part of the increase was due to an increase in the quantity used and part to the rise in the unit cost of fuels of all kinds. The cost of electricity purchased, on the other hand, has increased during the same period by 277 p.c. The groups of industries in which fuel was most extensively used in 1956 were: paper products, products of petroleum and coal, foods and beverages, iron and steel products, non-metallic mineral products, non-ferrous metal products and chemicals and allied products.

Of the total cost of purchased fuel and electricity for Canada as a whole in 1956, 63.6 p.c. was for fuel and 36.4 for electricity. Percentage wise, Nova Scotia with 77.0 p.c. of the Provincial total was the largest user of fuel, while Quebec with 55.4 p.c. was the smallest. Provinces lacking in water power resources naturally have to rely on fuel for power, and for this reason the percentage that fuel is to the total is much higher than in Provinces such as Quebec where there is an abundant supply of water for power purposes. In the Provinces of Prince Edward Island, Nova Scotia, New Brunswick, Saskatchewan, and Alberta, primary power produced from fuels is an important factor in power utilization.

Power Consumption.— Power equipment installed in manufacturing establishments is a very good barometer of the industrial development of Canada, inasmuch as production is increasingly dependent on power equipment. Increases and decreases in productive capacity, measured in horse-power, are not the result of temporary fluctuations in cost and values in the same manner as capital investments, values of products,

etc. Of course, power equipment installed is not a measure of the actual utilization of power for there is generally an excess over actual requirements, i.e., over power equipment in operation. Producers must have an installed operating margin in excess of normal requirements to provide for booming business conditions or breakdown of part of the plant. In times of depression this margin increases. During short periods of expanded production, the number of horse-power per wage-earner tends to decrease in view of the fact power equipment is not immediately increased, the expanded production being secured through overtime work or an increase in the number of shifts worked.

Of the total increase in power equipment employed in manufacturing industries between 1939 and 1953, 75 p.c. was in electric motors operated by power purchased from central electric stations. However, some sections of Canada are not well provided with water power and in such sections primary power derived from steam engines or turbines, and internal combustion engines—which include all gasoline engines, gas engines (natural, coal, and producer gas), and compression-ignition engines—also has increased rapidly during the period covered. During the period 1939-1953 there was an increase of 31 p.c. in the capacity of hydraulic turbines and water wheels, 56 p.c. in the capacity of steam engines and steam turbines, 115 p.c. in the capacity of electric motors, while internal combustion engines increased more than fivefold. The collection of statistics on power equipment was discontinued in 1949, but was collected again for 1953.

Power consumed by the manufacturing industries, purchased power as well as power generated for own use, totalled 46.5 billion K.W.H. in 1956, an increase of 140 p.c. as compared with 1939. Of the total consumed Quebec used 49.6 p.c., Ontario 27.4 p.c., British Columbia 13.9 p.c., Newfoundland 2.1 p.c., New Brunswick and Manitoba 1.9 p.c., and Alberta 14 p.c.

The non-ferrous metal products group with 33.1 p.c. of the total was the largest user of electric power in 1956. Prior to this, the paper products group held the premier position in this respect. Although non-ferrous metal products had a small edge on the consumption of electric power, the paper products group still is the largest user of purchased fuel and electricity. The paper products group was the second largest user of power in 1956 with 32.9 p.c. of the total, followed by products of petroleum and coal with 9.6 p.c., iron and steel products 7.2 p.c., non-metallic mineral products 4.5 p.c., and foods and beverages 2.7 p.c.

Table 55 gives details of purchased fuel and electricity as well as the K.W.H. consumption by industrial groups and provinces. Table 56 gives details of power equipment and Tables 57 and 58 give details of fuel consumption for selected years from 1926 to 1956.

TABLE 55. Value of Fuel and Electricity Used by the Manufacturing Industries of Canada, 1939 - 55 with Details by Provinces and Industrial Groups, 1956

Note: Includes fuel and electricity used in smelters for metallurgical purposes

Year, province or group	Value of purchased fuel	Value of purchased electricity	Total	Consumption of electric power		
				Purchased	Generated for own use	Total
		dollars			M kwh.	
1939	57,053,131	50,509,121	107,572,252	17,072,764	2,357,669	19,430,433
1940	78,550,913	58,429,262	136,980,175	17,954,995	2,640,918	20,595,913
1941	102,886,816	71,754,501	174,641,317	20,289,238	2,840,841	23,130,079
1942	121,512,643	85,205,846	206,718,489	23,650,840	3,345,443	26,996,283
1943	134,004,345	91,950,030	225,954,375	26,399,730	3,211,610	29,611,340
1944	137,883,770	87,699,383	225,583,153	25,777,238	2,752,124	28,529,362
1945	128,384,255	83,999,865	212,384,120	23,986,993	2,362,260	26,349,253
1946	127,179,620	83,273,105	210,452,725	25,250,876	2,714,261	27,965,137
1947	163,813,503	90,876,176	254,689,679	26,728,239	3,467,535	30,195,774
1948	209,063,839	94,475,355	303,539,194	24,907,413	4,590,676	29,498,089
1949	208,776,571	97,019,231	305,795,802	25,067,855	5,898,390	30,966,245
1950	229,993,079	106,940,541	336,933,620	27,482,129	6,266,050	33,748,179
1951	252,573,952	124,140,044	376,713,996	31,243,249	6,369,094	37,612,343
1952	257,443,536	135,537,806	392,981,342	32,418,626	6,450,729	38,869,355
1953	259,212,493	152,576,328	411,788,821	34,226,135	6,901,443	41,127,578
1954	265,242,482	159,189,746	424,432,228	36,362,316 ¹	6,072,634 ¹	42,434,950
1955	282,828,016	174,961,454	457,789,470	38,812,010 ¹	6,001,563 ¹	44,813,573
Provinces, 1956						
Newfoundland	4,058,849	2,918,565	6,977,414	652,389	313,793	966,182
Prince Edward Island	260,366	141,062	401,428	5,561	—	5,561
Nova Scotia	10,267,995	3,078,326	13,346,321	366,703	46,215	412,918
New Brunswick	10,750,527	3,500,132	14,250,659	441,113	445,469	886,582
Quebec	100,292,933	80,757,422	181,050,355	21,646,135	1,475,970	23,122,105
Ontario	156,278,993	73,076,953	229,355,946	10,805,540	1,973,605	12,779,145
Manitoba	8,880,803	4,621,476	13,502,279	889,866	8,567	898,433
Saskatchewan	5,766,593	2,469,899	8,236,492	412,822	2,640	415,462
Alberta	9,252,328	4,762,183	14,014,511	553,666	85,681	639,347
British Columbia	27,320,720	15,296,021	42,616,741	4,477,575	2,019,782	6,497,357
Yukon and Northwest Territories	174,521	14,039	188,560	502	919	1,421
Canada	333,304,628	190,636,078	523,940,706	40,251,872¹	6,372,641¹	46,624,513
Industrial groups, 1956						
Foods and beverages	43,952,991	14,578,452	58,531,443	1,194,200	82,784	1,276,984
Tobacco and tobacco products	473,039	282,544	755,583	23,570	—	23,570
Rubber products	2,375,724	2,508,446	4,884,170	319,804	8,306	328,110
Leather products	1,390,664	906,859	2,297,523	53,380	—	53,380
Textiles	9,124,258	5,885,274	15,009,532	749,834	91,980	841,814
Knitting mills	1,267,876	645,351	1,913,227	41,675	3,444	45,119
Clothing	1,582,473	1,635,569	3,218,042	77,307	—	77,307
Wood products	11,838,682	8,430,703	20,269,385	555,075	184,731	739,806
Paper products	64,392,949	43,094,860	107,487,809	10,821,160	4,535,561	15,356,721
Printing, publishing and allied industries	2,850,724	2,677,913	5,528,637	163,759	—	163,759
Iron and steel products	41,781,665	23,558,318	65,339,983	3,339,021	261	3,339,282
Transportation equipment	13,607,350	7,738,726	21,346,076	797,143	66,931	864,074
Non-ferrous metal products	33,263,028	37,524,007	70,787,035	14,290,439	1,121,430	15,411,869
Electrical apparatus and supplies	4,627,661	4,536,606	9,164,267	502,939	16,254	519,193
Non-metallic mineral products	34,105,612	12,193,638	46,299,250	2,104,320	14,857	2,119,177
Products of petroleum and coal	44,589,556	5,770,707	50,360,263	836,275	894	837,169
Chemicals and allied products	19,855,806	16,783,131	36,638,937	4,236,506	245,208	4,481,714
Miscellaneous industries	2,224,570	1,884,974	4,109,544	145,465	—	145,465

¹ Since 1954 electricity previously reported as "Generated for own use" in the Fertilizer Industry in British Columbia, has been treated as "Electricity purchased". — Of the total "Generated for own use and for sale", approximately 1,905,000 M. kwh. were generated by thermal plant and 4,790,000 M. kwh. by hydro-electric plant.

**TABLE 56. Power Equipment Installed in the Manufacturing Industries of Canada, 1926-48,
with Details by Provinces and Industrial Groups, 1953**

Year and province or group	Steam engines and turbines	Internal combustion engines	Hydraulic turbines and water wheels	Total	Electric motors operated by purchased power	Total power equipment	Electric motors operated by power generated by establishments reporting	Total electric motors
	horse-power							
Totals, 1926	698,343	56,068	603,618	1,358,029	1,764,348	3,122,377	391,708	2,156,056
1929	762,697	60,841	645,270	1,468,808	2,386,840	3,855,648	495,921	2,882,761
1933	738,297	76,583	657,683	1,472,563	2,662,445	4,135,008	497,392	3,159,837
1937	834,703	98,233	649,557	1,582,493	3,129,790	4,712,283	602,955	3,732,745
1939	827,801	121,997	731,390	1,681,188	3,364,099	5,045,287	694,450	4,058,549
1944	1,013,615	288,312	729,216	2,031,143	4,437,296	6,468,439	779,717	5,217,013
1946	1,032,639	368,458	732,859	2,133,956	4,649,993	6,783,949	820,371	5,470,364
1948	1,076,411	544,888	1,150,308	2,771,607	5,387,807	8,159,414	931,312	6,319,119
Province, 1953								
Newfoundland	16,015	14,468	235,935	266,418	15,557	281,975	225,504	241,061
Prince Edward Island	651	3,323	632	4,606	3,034	7,640	—	3,034
Nova Scotia	58,880	38,590	13,100	110,570	144,638	255,208	82,711	227,349
New Brunswick	96,125	26,070	14,030	136,225	186,253	322,478	88,556	274,809
Quebec	233,411	111,508	253,880	598,799	2,887,658	3,486,457	173,419	3,061,077
Ontario	554,856	168,009	316,958	1,039,823	3,108,826	4,148,649	423,112	3,531,938
Manitoba	10,675	14,907	28	25,610	207,057	232,667	6,219	213,276
Saskatchewan	17,168	30,355	—	47,523	65,845	113,368	1,997	67,842
Alberta	67,015	94,608	—	161,623	176,037	337,660	23,620	199,657
British Columbia	236,959	238,120	127,065	602,144	606,857	1,209,001	278,403	885,260
Yukon and Northwest Territories	—	2,354	—	2,354	246	2,600	—	246
Totals	1,291,755¹	742,312	961,628	2,995,695	7,402,008	10,397,703	1,303,541	8,705,549
Industrial group, 1953								
Foods and beverages	76,515	53,946	22,074	152,535	623,869	776,404	50,343	674,212
Tobacco and tobacco products	466	375	—	841	10,345	11,186	—	10,345
Rubber products	6,038	182	1,500	7,720	134,452	142,172	270	134,722
Leather products	1,770	193	150	2,113	41,667	43,780	370	42,037
Textiles (except clothing)	29,814	7,099	16,311	53,224	311,147	364,371	16,932	328,079
Knitting mills	2,936	462	1,790	5,188	60,587	65,775	204	60,791
Clothing, (textile and fur)	643	235	—	878	25,693	26,571	—	25,693
Wood products	257,627	522,452	31,836	811,915	441,268	1,253,183	94,301	535,569
Paper products	361,680	7,412	872,557	1,241,649	2,331,436	3,573,085	926,613	3,258,049
Printing, publishing and allied industries	619	1,043	—	1,662	78,320	79,982	—	78,320
Iron and steel products	178,364	47,651	263	226,278	1,049,778	1,276,056	72,149	1,121,927
Transportation equipment	124,320	10,461	127	134,908	460,305	595,213	55,633	515,938
Non-ferrous metal products	20,570	358	—	20,928	670,914	691,842	6,195	677,109
Electrical apparatus and supplies	8,372	6,646	3,975	18,993	240,343	259,336	—	240,343
Non-metallic mineral products	12,003	46,333	716	59,052	287,661	346,713	5,789	293,450
Products of petroleum and coal	116,324	22,971	6	139,301	158,884	298,185	14,260	173,144
Chemicals and allied products	89,754	14,035	10,323	114,112	417,095	531,207	59,082	476,177
Miscellaneous industries	3,940	458	—	4,398	58,244	62,642	1,400	59,644

¹ Includes "steam engines" 365,992 hp. and "steam turbines" 925,763 hp.

**TABLE 57. Values of Fuel and Electricity Consumed in the Manufacturing Industries for Selected Years 1926-1953
and by Province and Industrial Group, 1956**

No.	Year, province or group	Coal					Coke	Gasoline
		Bituminous			Anthracite	Lignite		
		Canadian	Imported	Sub-bituminous				
		dollars						
1	1926 ⁴	34,500,291		²	2,173,178	533,928	4,157,935	692,404
2	1929 ⁴	15,832,290	21,754,377	²	1,844,736	707,058	2,332,823	430,258
3	1933 ⁴	7,571,912	10,770,107	²	1,033,154	522,626	1,574,426	254,510
4	1937 ⁵	15,648,467	16,255,262	²	1,253,376	759,600	5,169,524	799,060
5	1939	15,744,444	13,386,496	²	1,151,278	740,593	4,870,875	1,208,131
6	1944	19,785,479	55,667,410	²	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	8,425,418
8	1948	28,160,528	73,315,170	440,737	2,274,727	1,598,940	9,575,838	13,442,363
9	1953 ⁶	34,503,085	68,523,205	615,660	2,629,506	2,241,781	9,622,024	22,892,625
	Provinces							
10	Newfoundland ⁶	81,983	⁷	—	12,123	—	9,949	250,480
11	Prince Edward Island	39,926	5,467	—	6,165	—	⁷	77,619
12	Nova Scotia	2,087,624	29,288	—	14,335	⁷	347,748	990,210
13	New Brunswick	6,790,128	65,715	—	8,535	—	9,683	886,688
14	Quebec	22,837,429	11,031,948	25,937	1,302,867	⁷	2,858,078	9,485,260
15	Ontario	5,813,601	54,115,277	227,920	1,354,218	1,191,861	6,132,597	15,625,598
16	Manitoba	1,470,870	254,380	132,204	7,940	859,329	376,812	1,336,893
17	Saskatchewan	1,515,730	⁷	52,192	⁷	88,832	2,996	590,729
18	Alberta	18,121	⁷	149,171	⁷	—	172,003	1,708,667
19	British Columbia	2,535,992	17,561	167,906	14,977	⁷	2,542,643	4,612,120
20	Yukon and Northwest Territories	—	—	—	—	—	—	13,200
21	Totals—1956 ⁶	43,191,404	65,520,769	755,330	2,721,907	2,140,733	12,452,676	35,577,464
	Industrial groups							
22	Foods and beverages	2,754,748	6,312,081	372,312	428,678	433,898	221,109	15,064,541
23	Tobacco and tobacco products	63,180	116,484	—	⁷	—	—	36,443
24	Rubber products	131,447	1,655,080	—	2,256	—	—	80,450
25	Leather products	151,940	658,557	3,489	33,751	13,787	3,751	147,233
26	Textiles	2,192,368	3,237,887	17,090	81,702	3,729	5,693	340,096
27	Knitting mills	197,991	440,136	—	21,415	—	—	169,548
28	Clothing	49,103	140,666	5,251	24,722	6,819	2,438	583,508
29	Wood products	336,776	550,264	45,706	57,530	18,677	44,379	7,000,475
30	Paper products	19,286,530	19,454,168	192,840	50,145	1,338,654	⁷	885,084
31	Printing publishing and allied industries	134,565	106,140	6,811	27,696	4,782	20,251	1,079,136
32	Iron and steel products	1,854,186	2,665,572	12,685	665,385	28,194	638,429	2,573,601
33	Transportation equipment	1,055,044	4,132,005	⁷	107,470	191,955	185,645	1,232,193
34	Non-ferrous metal products	5,717,085	6,989,256	⁷	932,654	⁷	6,846,619	504,874
35	Electrical apparatus and supplies	89,658	971,108	⁷	99,024	6,142	73,633	363,137
36	Non-metallic mineral products	7,780,897	8,911,017	91,891	26,495	62,311	626,268	3,701,152
37	Products of petroleum and coal	73,509	134,545	—	11,142	4,657	3,747,575	281,887
38	Chemicals and allied products	1,244,357	8,663,402	992	109,331	15,825	30,358	784,157
39	Miscellaneous industries	78,020	382,401	4,978	42,221	11,242	5,459	749,949

¹ Exclusive of the Butter and Cheese industry in the province of Quebec in 1953.

² Not collected.

³ Includes manufactured and natural.

⁴ 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 with current data.

TABLE 57. Values of Fuel and Electricity Consumed in the Manufacturing Industries for Selected Years 1926-1953 and by Province and Industrial Group, 1956

Kerosene	Fuel oil	Wood	Gas			Other fuel	Total cost of fuel	Electricity		No.
			Liquified petroleum	Other manufactured	Natural			Purchased ¹	Generated for sale ¹	
dollars										
²	7,102,676	2,533,424	—	4,182,186 ³		804,478	56,680,500	26,235,597	²	1
51,743	7,874,831	2,604,803	—	5,218,678	905,039	809,305	60,365,941	37,775,877	904,791	2
39,870	4,566,630	1,635,716	—	4,097,925	729,385	727,081	33,523,342	33,092,334	36,393	3
52,438	8,580,369	1,636,098	—	6,148,643	1,256,276	2,015,923	59,575,036	50,032,810	288,842	4
59,635	8,560,418	1,562,119	—	6,506,782	1,385,110	1,887,250	57,063,131	50,509,121	405,690	5
216,651	21,822,975	2,340,460	—	13,779,303	3,110,803	2,219,490	137,883,770	87,699,383	1,219,086	6
213,947	23,872,464	2,189,271	—	12,086,381	1,881,984	2,100,659	127,179,620	83,273,105	1,589,447	7
635,233	50,987,211	1,991,384	—	20,507,352	2,080,617	4,053,739	209,063,839	94,475,355	887,402	8
1,075,536	77,034,810	1,368,106	1,585,671	27,642,079	4,671,710	4,806,695	259,212,493	152,576,328	2,486,054	9
6,239	3,662,851	4,467	2,409	400	—	27,584	4,058,849	2,918,565	180,118	10
212	122,958	4,899	2,575	—	—	378	260,366	141,062	400	11
9,998	4,418,743	21,166	31,068	2,241,257	⁷	71,986	10,267,995	3,078,326	16,264	12
7,249	2,825,082	110,599	18,359	215	3,348	24,926	10,750,527	3,500,132	394,939	13
988,809	40,651,317	543,397	873,024	6,857,502	152,424	2,682,771	100,292,933	80,757,422	393,463	14
227,506	42,383,374	313,550	1,214,045	18,080,546	4,249,870	5,349,030	156,278,993	73,076,953	1,043,012	15
8,055	3,378,987	27,584	56,968	825,588	25,461	122,249	8,880,803	4,621,476	—	16
10,409	1,882,986	6,265	52,320	1,060,457	223,876	276,283	5,766,593	2,469,899	—	17
6,819	598,268	2,826	133,236	1,487,756	4,853,224	122,022	9,252,328	4,762,183	334	18
39,228	13,416,315	48,693	131,892	2,068,386	162,301	1,562,478	27,320,720	15,296,021	330,347	19
—	126,258	⁷	264	31,115	1,134	2,350	174,521	14,039	41,427	20
1,304,524	113,467,139	1,083,646	2,516,160	32,653,222	9,675,877	10,242,057	333,304,628	190,636,078	2,400,304	21
101,014	13,212,277	455,024	581,514	612,523	1,653,633	1,749,639	43,952,991	14,578,452	20,590	22
—	236,292	⁷	190	2,200	197	17,140	473,039	282,544	—	23
489	455,756	2,500	947	30,376	15,423	1,000	2,375,724	2,508,446	—	24
384	290,871	2,567	1,356	14,137	6,503	62,338	1,390,664	906,859	—	25
30,962	2,686,292	1,293	53,330	39,394	62,603	370,099	9,124,258	5,885,274	98,766	26
⁷	414,379	—	2,383	1,282	4,913	15,817	1,267,876	645,351	—	27
3,802	508,439	⁷	4,111	23,858	24,312	204,867	1,582,473	1,635,569	—	28
69,925	3,252,458	133,510	69,845	17,304	86,711	155,122	11,838,682	8,430,703	142,041	29
896,310	20,270,419	27,427	77,188	42,638	73,968	1,796,509	64,392,949	43,094,860	1,654,582	30
12,960	1,152,631	349	26,892	124,876	150,207	3,428	2,850,724	2,677,913	—	31
37,851	21,550,976	25,546	236,699	9,872,315	1,235,353	384,873	41,781,665	23,558,318	—	32
20,683	3,588,690	10,051	325,329	122,154	927,525	1,708,448	13,607,350	7,738,726	—	33
72,118	11,035,535	39,069	138,922	255,069	598,574	132,512	33,263,028	37,524,007	37,036	34
2,322	1,937,418	—	101,584	361,051	298,523	323,614	4,627,661	4,536,606	—	35
27,853	10,086,562	339,472	157,564	582,053	1,486,065	226,012	34,105,612	12,193,638	334	36
5,650	17,770,408	—	671,904	18,129,033	1,613,757	2,145,489	44,589,556	5,770,707	41,427	37
11,098	4,257,571	35,500	47,701	2,390,173	1,349,014	916,327	19,855,806	16,783,131	405,528	38
11,091	760,165	10,138	18,701	32,786	88,596	28,823	2,224,570	1,884,974	—	39

⁵ Electricity purchased for metallurgical purposes in the Non-ferrous Metal Smelting and Refining is included for the first time.⁶ Newfoundland included.⁷ Included in the total.

TABLE 58. Quantities of Fuel and Electricity Consumed in the Manufacturing Industries for Selected Years 1926-1953 and by Province and Industrial Group, 1956

No.	Year, Province or Group	Coal					Coke	Gasoline
		Bituminous			Anthracite	Lignite		
		Canadian	Imported	Sub-bituminous				
		short ton					Imp. gal.	
1	1926 ⁵	5,776,719		²	283,678	146,098	475,232	2,386,916
2	1929 ⁵	2,816,122	3,943,007	²	255,700	164,544	380,432	1,717,560
3	1933 ⁵	1,499,715	2,026,083	²	145,017	158,437	288,811	1,079,807
4	1937 ⁶	2,907,671	2,828,519	²	173,993	265,440	657,994	3,665,243
5	1939	2,893,613	2,262,378	²	167,465	238,698	596,077	5,306,656
6	1944	2,538,345	7,336,983	²	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 ⁶	3,180,027	6,811,887	77,382	195,261	466,994	673,896	64,521,694
	Provinces, 1956							
10	Newfoundland ⁷	4,258	⁸	—	618	—	430	543,375
11	Prince Edward Island	2,559	350	—	311	—	⁸	189,959
12	Nova Scotia	198,760	1,852	—	777	⁸	25,259	2,483,499
13	New Brunswick	641,140	4,092	—	447	—	396	2,112,924
14	Quebec	1,973,732	891,018	1,852	97,987	⁸	172,094	24,794,936
15	Ontario	528,173	5,250,266	18,046	101,829	219,934	371,063	44,375,516
16	Manitoba	131,115	18,277	20,998	522	212,784	32,515	3,655,040
17	Saskatchewan	116,038	⁸	6,597	⁸	16,245	111	1,596,563
18	Alberta	1,703	⁸	28,484	⁸	—	32,778	5,085,763
19	British Columbia	221,483	1,195	12,979	781	⁸	122,093	13,032,390
20	Yukon and Northwest Territories	—	—	—	—	—	—	45,185
21	Totals — 1956 ⁷	3,818,961	6,167,119	88,956	203,322	449,001	756,747	97,915,150
	Industrial groups							
22	Foods and beverages	229,271	565,545	48,419	29,420	78,605	11,253	41,450,144
23	Tobacco and tobacco products	5,088	9,540	—	⁸	—	—	84,747
24	Rubber products	10,395	160,932	—	97	—	—	222,214
25	Leather products	11,613	63,804	314	2,945	2,621	220	363,803
26	Textile products (except clothing)	192,263	276,849	1,214	6,067	653	475	862,720
27	Knitting mills	18,104	45,285	—	1,734	—	—	378,606
28	Clothing	3,692	10,046	489	1,524	500	129	1,536,764
29	Wood products	26,182	40,860	6,091	3,267	2,434	3,087	18,833,869
30	Paper products	1,735,969	1,746,793	14,551	3,452	249,718	⁸	2,411,846
31	Printing publishing and allied industries	34,465	7,689	515	1,546	505	1,284	2,949,806
32	Iron and steel products	177,568	230,948	1,208	52,443	4,112	79,057	6,893,498
33	Transportation equipment	99,580	424,963	⁸	10,526	94,208	6,711	4,021,379
34	Non-ferrous metal products	424,475	623,751	⁸	73,376	⁸	322,142	1,380,802
35	Electrical apparatus and supplies	8,221	84,443	⁸	4,033	826	4,017	970,816
36	Non-metallic mineral products	717,446	782,190	15,744	1,790	10,779	36,554	10,134,240
37	Products of petroleum and coal	8,360	17,939	—	1,161	344	288,667	1,291,252
38	Chemicals and allied products	110,555	1,042,931	73	7,267	2,624	1,601	2,175,738
39	Miscellaneous industries	5,714	32,611	245	2,663	1,066	1,500	1,952,906

¹ Exclusive of the Butter and Cheese industry in the province of Quebec in 1953.

² Not collected.

³ Includes manufactured and natural.

⁴ Value only, available.

TABLE 58. Quantities of Fuel and Electricity Consumed in the Manufacturing Industries for Selected Years 1926-1953 and by Province and Industrial Group, 1956

Kerosene	Fuel oil	Wood	Gas			Electricity			No.
			Liquified petroleum	Other manufactured	Natural	Purchased ¹	Generated for own use ¹	Generated for sale ¹	
Imp. gal.		cords	Imp. gal.	M cu. ft.			kwh.		
²	110,378,654	722,098	—	40,588,854 ³		⁴	²	²	1
227,469	150,910,662	655,975	—	41,628,619	4,558,391	⁴	1,150,974,484	53,593,323	2
239,141	115,926,083	549,712	—	23,119,514	3,118,402	9,771,514,859	1,241,399,928	2,108,460	3
334,125	167,824,977	504,261	—	59,952,258	5,802,210	17,092,769,974	2,328,675,496	48,534,697	4
437,201	195,134,885	475,320	—	71,881,777	6,112,911	17,072,764,222	2,357,668,720	76,571,743	5
1,309,144	349,495,395	408,227	—	118,057,302	12,598,361	25,777,238,678	2,752,124,500	127,214,139	6
1,244,716	376,006,524	348,440	—	95,490,776	8,744,901	25,250,876,449	2,714,261,524	166,073,767	7
3,752,703	482,218,705	309,127	—	146,548,124	9,962,480	24,907,413,154	4,590,676,828	203,779,877	8
6,099,492	834,641,849	299,468	9,840,533	73,441,492	21,516,353	34,026,135,310	6,901,443,188	349,904,956	9
19,215	41,138,144	23,253	4,558	192	—	652,388,841	313,793,000	15,377,600	10
759	736,745	478	5,221	—	—	5,561,319	—	13,300	11
43,842	49,149,985	2,639	230,094	8,178,350	⁶	366,703,323	46,214,514	2,130,427	12
31,297	27,752,078	11,839	50,979	229	6,037	441,112,582	445,468,860	43,049,140	13
12,139,070	425,705,595	103,372	8,087,709	13,269,868	202,728	21,646,135,515	1,475,970,344	66,622,629	14
1,061,872	369,895,633	36,542	6,770,151	49,519,050	6,585,048	10,805,539,678	1,973,605,004	153,117,381	15
32,137	42,198,343	2,866	350,196	1,577,920	35,301	889,866,221	8,566,992	—	16
42,293	28,367,342	627	270,475	2,492,503	1,226,308	412,821,712	2,640,433	—	17
27,992	6,332,536	288	1,196,114	4,446,864	35,875,437	553,666,389	85,680,961	41,600	18
138,780	131,179,195	6,843	588,788	4,317,726	422,139	4,477,574,678	2,019,781,722	40,345,659	19
—	2,065,423	⁸	380	35,247	3,545	501,912	918,660	161,740	20
13,537,257	1,124,521,019	188,776	17,554,665	83,837,949	44,356,597	40,251,872,170	6,372,640,490	320,859,476	21
483,387	113,117,396	110,401	3,053,350	870,052	5,273,813	1,194,199,571	82,783,576	1,767,700	22
—	2,193,203	⁸	829	1,900	169	23,569,793	—	—	23
1,923	4,080,468	250	2,620	25,725	7,076	319,804,417	8,306,000	—	24
5,689	1,873,383	333	3,997	22,109	14,203	53,380,207	—	—	25
179,162	22,945,082	282	344,494	157,280	417,097	749,834,309	91,979,954	14,439,000	26
⁸	2,847,241	—	6,673	188	10,310	41,674,427	3,444,320	—	27
13,304	3,343,005	⁸	15,741	21,865	65,747	77,307,398	—	—	28
262,467	16,552,610	22,729	311,598	45,428	325,421	555,074,906	184,730,401	17,096,453	29
11,629,868	235,988,625	4,177	315,649	55,094	361,371	10,821,160,058	4,535,560,491	264,455,324	30
78,352	7,671,675	52	115,045	137,992	1,810,119	163,759,071	—	—	31
158,768	184,974,195	2,660	980,863	33,243,319	1,566,361	3,339,021,376	260,500	—	32
107,762	30,102,660	1,290	2,176,402	135,841	1,379,026	797,142,785	66,931,334	—	33
331,376	101,580,414	1,484	801,145	251,928	2,331,231	14,290,438,770	1,121,430,109	12,219,100	34
9,370	15,139,346	—	581,663	416,393	263,243	502,939,137	16,254,000	—	35
135,818	95,540,158	38,058	1,016,232	1,343,568	8,167,527	2,104,319,813	14,857,373	41,600	36
35,900	242,793,528	—	7,554,317	41,913,210	12,520,680	836,274,650	894,260	161,740	37
47,817	38,272,547	4,650	206,975	5,164,381	9,706,100	4,236,506,163	245,208,172	10,678,559	38
56,255	5,505,483	2,328	67,072	31,676	137,103	145,465,319	—	—	39

⁵ 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 already published in order to make the series comparable with current data.

⁶ Electricity purchased for metallurgical purposes in the Non-ferrous Metal Smelting and Refining is included for the first time.

⁷ Newfoundland included.

⁸ Included in total.

PART II. PROVINCIAL AND LOCAL DISTRIBUTION OF MANUFACTURING PRODUCTION

SECTION 1. TYPE AND CONCENTRATION OF MANUFACTURING PRODUCTION

This part of the Report is introduced by a general analysis of the concentration of the manufacturing industries in the provinces. In the sections that follow, the principal features of the manufactures of each province are brought out and finally the distribution of manufacturing throughout the principal cities and towns of Canada is shown.

Ontario and Quebec are by far the most important manufacturing provinces of Canada. Their combined production in 1955 amounted to \$17,277,601,319 or 80 p.c. of the total gross value of manufactured products. The proximity of Ontario to the coal-fields of Pennsylvania, the water power and other varied resources of the provinces, and their nearness to the

larger markets of Canada and the United States have all contributed to this progress.

Table 1 shows the outstanding predominance of Ontario and Quebec in each industrial group. Quebec leads in the manufacture of tobacco and tobacco products, textiles (except clothing), clothing (textile and fur), and paper products. In each of the other groups Ontario has the greater production of the two provinces. In the production of wood products British Columbia with 42 p.c. of the total holds the dominant position, outranking both Ontario and Quebec which account respectively for 25 and 22 p.c. of the total. In each of the other groups Ontario and Quebec lead by a wide margin.

TABLE 1. Summary Statistics of Manufactures of Each Province, Classified by Industrial Groups, 1956

Province and group	Estab- lish- ments	Em- ployees	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							
Foods and beverages	8,023	183,008	531,634,259	58,531,443	2,474,174,069	1,311,492,763	3,826,702,255
Tobacco and tobacco products	51	9,613	30,308,855	755,583	150,111,499	88,298,796	239,242,872
Rubber products	91	23,136	82,154,889	4,684,170	160,686,586	198,602,139	355,583,815
Leather products	646	31,384	74,970,034	2,297,523	123,790,832	112,857,380	237,031,985
Textiles	965	70,873	199,327,510	15,009,532	430,420,090	323,820,707	766,977,127
Knitting mills	286	21,913	49,637,957	1,913,227	83,926,020	81,158,559	165,149,727
Clothing	2,525	89,799	208,216,211	3,218,042	399,249,027	337,265,504	733,769,962
Wood products	11,103	135,583	376,349,267	20,269,385	788,465,324	646,223,303	1,446,612,560
Paper products	568	93,705	386,886,416	107,487,809	885,056,261	908,726,918	1,887,611,000
Printing, publishing and allied industries	4,585	72,361	254,372,125	5,528,637	225,201,594	459,224,177	688,434,263
Iron and steel products	2,963	196,918	766,376,087	65,339,983	1,315,813,753	1,429,985,145	2,756,769,477
Transportation equipment	591	141,257	553,571,826	21,346,076	1,286,297,404	906,154,667	2,192,934,975
Non-ferrous metal products	581	56,071	220,369,740	70,787,035	1,128,961,556	667,853,158	1,862,156,162
Electrical apparatus and supplies	473	83,296	310,522,800	9,164,267	558,249,520	577,411,595	1,090,194,175
Non-metallic mineral products	1,183	40,165	143,223,163	46,299,250	206,872,491	322,821,042	572,539,111
Products of petroleum and coal	107	17,685	81,679,924	50,360,263	837,826,914	489,299,180	1,377,226,103
Chemicals and allied products	1,131	52,821	200,742,647	36,638,937	527,564,227	556,240,754	1,111,233,404
Miscellaneous industries	1,556	33,432	100,348,480	4,109,544	138,869,722	187,988,792	326,580,013
Totals	37,428	1,353,020	4,570,692,190	523,940,706	11,721,536,889	9,605,424,579	21,636,748,986
Newfoundland							
Foods and beverages	87	3,898	7,512,203	859,489	18,191,830	16,042,195	34,492,121
Tobacco and tobacco products	—	—	—	—	—	—	—
Rubber products	—	—	—	—	—	—	—
Leather products	5	116	231,593	28,197	431,250	264,902	667,403
Textiles	4	93	238,152	19,820	361,045	325,689	728,054
Knitting mills ¹	—	—	—	—	—	—	—
Clothing	3	173	232,277	12,276	282,412	276,270	541,873
Wood products	604	1,518	2,014,027	218,760	4,012,106	3,119,228	7,428,339
Paper products ²	2	3,369	16,434,551	5,232,154	28,030,105	35,444,029	68,085,288
Printing, publishing and allied industries	40	446	1,258,016	55,476	768,641	2,188,485	3,001,271
Iron and steel products	10	284	840,864	62,101	883,659	1,401,323	2,136,778
Transportation equipment	4	20	43,839	2,950	26,630	49,941	79,543
Non-ferrous metal products	—	—	—	—	—	—	—
Electrical apparatus and supplies ¹	—	—	—	—	—	—	—
Non-metallic mineral products	12	350	1,158,722	431,309	1,334,360	2,554,139	4,483,328
Products of petroleum and coal ¹	—	—	—	—	—	—	—
Chemicals and allied products	5	78	207,746	20,631	830,905	652,989	1,469,308
Miscellaneous industries ³	7	157	290,745	34,251	299,013	288,519	578,038
Totals	783	10,502	30,462,735	6,977,414	55,451,956	62,607,709	123,691,344
Prince Edward Island							
Foods and beverages	93	1,179	2,126,592	319,169	14,392,800	4,232,652	19,115,958
Tobacco and tobacco products ⁴	—	—	—	—	—	—	—
Rubber products	—	—	—	—	—	—	—
Leather products	—	—	—	—	—	—	—
Textiles	4	79	146,341	13,972	1,217,971	266,294	1,463,046
Knitting mills	—	—	—	—	—	—	—
Clothing	—	—	—	—	—	—	—
Wood products	71	223	299,453	27,111	486,831	510,377	1,027,527
Paper products ⁴	—	—	—	—	—	—	—
Printing, publishing and allied industries	11	169	375,230	18,156	167,867	597,817	783,888
Iron and steel products	4	27	63,472	2,794	94,554	92,718	184,101
Transportation equipment ⁴	—	—	—	—	—	—	—
Non-ferrous metal products	—	—	—	—	—	—	—
Electrical apparatus and supplies	—	—	—	—	—	—	—
Non-metallic mineral products	3	13	30,199	4,543	21,496	52,252	80,936
Products of petroleum and coal	—	—	—	—	—	—	—
Chemical and allied products ⁴	—	—	—	—	—	—	—
Miscellaneous industries	—	—	—	—	—	—	—
All other groups ⁴	6	85	192,117	15,683	1,425,323	409,518	1,841,789
Totals	192	1,775	3,233,404	401,428	17,806,842	6,161,628	24,497,245

See footnotes at the end of table.

TABLE 1. Summary Statistics of Manufactures of Each Province, Classified by Industrial Groups, 1956 — Continued

Province and group	Estab- lish- ments	Em- ployees	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		
Nova Scotia							
Foods and beverages	345	8,076	16,424,089	2,131,063	59,242,296	31,580,016	92,103,930
Tobacco and tobacco products	—	—	—	—	—	—	—
Rubber products	—	—	—	—	—	—	—
Leather products	3	71	156,430	1,973	216,340	232,997	451,300
Textiles	13	487	1,153,715	124,424	2,706,653	3,256,753	6,065,945
Knitting mills	5	927	1,698,722	106,723	3,614,638	2,950,644	6,556,228
Clothing	9	398	614,000	41,493	1,489,883	906,238	2,362,030
Wood products	712	4,218	7,309,368	579,958	19,478,223	13,202,651	33,210,003
Paper products	7	1,484	5,211,332	1,616,656	10,309,369	13,389,452	25,241,787
Printing, publishing and allied industries	141	1,413	4,037,648	133,334	2,495,936	7,720,013	10,315,291
Iron and steel products	49	6,596	23,551,125	3,951,228	38,403,611	36,438,393	76,547,067
Transportation equipment	58	5,310	16,530,988	696,918	24,010,191	25,093,403	49,870,296
Non-ferrous metal products	—	—	—	—	—	—	—
Electrical apparatus and supplies ¹	—	—	—	—	—	—	—
Non-metallic mineral products	26	606	1,629,762	635,436	1,859,750	3,664,295	6,116,931
Products of petroleum and coal ¹	—	—	—	—	—	—	—
Chemicals and allied products	16	284	860,122	154,144	2,895,358	2,569,897	5,805,673
Miscellaneous industries ¹	18	1,067	4,771,209	3,172,971	48,056,821	18,815,490	69,751,616
Totals	1,402	30,937	83,948,510	13,346,321	214,779,069	159,820,242	384,398,103
New Brunswick							
Foods and beverages	321	6,635	14,040,865	2,417,733	76,599,964	32,251,498	110,856,887
Tobacco and tobacco products	—	—	—	—	—	—	—
Rubber products	—	—	—	—	—	—	—
Leather products	7	310	626,725	17,865	1,140,468	1,066,279	2,211,481
Textiles	14	773	1,642,768	183,436	2,426,897	1,767,497	4,423,673
Knitting mills ¹	—	—	—	—	—	—	—
Clothing	4	150	191,223	4,483	272,686	255,594	521,953
Wood products	478	3,911	7,470,192	578,374	20,236,733	13,001,964	33,822,625
Paper products	16	4,587	19,261,696	8,910,186	51,383,064	47,060,554	105,365,921
Printing, publishing and allied industries	72	1,974	2,533,879	104,988	1,680,892	4,360,834	6,147,264
Iron and steel products	31	1,350	3,858,532	265,213	6,928,004	7,102,185	14,062,451
Transportation equipment	8	2,219	6,705,990	315,103	8,069,124	8,334,876	16,680,411
Non-ferrous metal products ¹	—	—	—	—	—	—	—
Electrical apparatus and supplies	—	—	—	—	—	—	—
Non-metallic mineral products	27	553	1,665,490	1,170,008	1,850,991	3,959,959	6,903,566
Products of petroleum and coal ¹	—	—	—	—	—	—	—
Chemicals and allied products	9	149	467,912	83,514	3,118,034	1,200,294	4,565,905
Miscellaneous industries ¹	17	949	2,598,029	199,756	2,733,449	4,952,954	7,718,462
Totals	1,004	22,560	61,063,301	14,250,659	176,440,306	125,314,488	313,280,599
Quebec							
Foods and beverages	2,622	47,170	131,497,271	15,882,520	665,869,615	338,634,681	1,017,902,846
Tobacco and tobacco products	29	7,610	25,401,504	514,167	87,450,941	74,134,924	162,189,718
Rubber products	35	6,877	20,706,605	953,037	28,771,073	37,322,772	65,052,656
Leather products	351	16,673	36,549,774	762,042	55,493,886	54,993,680	110,901,398
Textiles	444	39,760	109,321,931	7,964,094	233,328,192	171,677,880	412,018,417
Knitting mills	147	10,490	23,212,591	820,243	40,263,626	37,445,389	77,757,340
Clothing	1,559	56,497	126,086,297	1,864,746	261,943,691	208,868,296	469,088,037
Wood products	3,156	34,684	81,388,305	4,337,447	178,160,560	144,470,237	323,479,620
Paper products	193	37,226	154,188,880	50,367,736	340,515,063	357,243,361	742,161,888
Printing, publishing and allied industries	1,255	19,549	67,073,064	1,262,259	65,715,054	123,583,504	190,478,617
Iron and steel products	704	44,593	164,222,367	10,165,172	268,482,367	301,439,896	566,429,391
Transportation equipment	115	33,927	127,374,722	4,370,297	162,769,485	184,781,090	352,018,841
Non-ferrous metal products	193	19,613	75,078,926	35,510,153	503,028,394	228,859,051	765,829,926
Electrical apparatus and supplies	98	24,303	88,948,191	2,342,516	145,773,511	150,291,448	285,052,524
Non-metallic mineral products	348	11,783	40,877,285	15,153,460	61,976,748	93,413,000	169,249,003
Products of petroleum and coal	19	3,662	16,678,535	17,639,736	283,357,498	159,619,036	460,447,263
Chemicals and allied products	365	21,194	79,090,202	10,012,543	178,640,246	169,485,926	356,932,499
Miscellaneous industries	479	10,526	28,718,114	1,128,187	43,981,716	51,884,587	95,511,715
Totals	12,112	446,137	1,396,414,564	181,050,355	3,605,521,666	2,888,148,758	6,622,502,699
Ontario							
Foods and beverages	2,865	73,134	225,591,853	23,910,549	954,985,896	563,241,631	1,541,164,773
Tobacco and tobacco products	19	1,989	4,879,299	240,271	62,645,595	14,124,980	76,997,344
Rubber products	48	16,191	61,228,450	3,910,310	131,739,169	160,856,206	289,917,252
Leather products	230	12,946	34,362,921	1,402,876	60,602,059	51,574,293	112,348,261
Textiles	378	27,771	81,611,581	6,435,468	173,240,616	137,220,552	316,103,918
Knitting mills	120	9,957	23,556,803	941,935	38,157,095	38,594,885	76,929,479
Clothing	700	24,208	61,482,716	974,782	98,001,154	96,361,690	193,720,881
Wood products	2,438	37,113	104,248,659	4,940,851	183,686,372	167,495,757	353,921,923
Paper products	263	35,733	142,857,109	30,133,427	333,381,487	326,996,907	687,695,184
Printing, publishing and allied industries	1,883	36,631	135,308,455	2,918,676	120,784,379	240,445,208	362,906,060
Iron and steel products	1,497	123,365	496,123,648	46,685,258	865,555,742	940,193,303	1,821,034,425
Transportation equipment	249	84,391	345,631,105	14,447,715	1,038,786,265	614,522,337	1,647,169,029
Non-ferrous metal products	304	27,212	106,584,300	23,606,017	485,438,888	339,557,989	844,909,087
Electrical apparatus and supplies	310	56,656	213,771,658	6,513,603	393,210,322	411,767,061	770,502,085
Non-metallic mineral products	527	20,368	76,004,597	21,253,051	105,300,625	168,144,728	292,658,035
Products of petroleum and coal	35	7,458	34,687,112	15,793,357	263,131,684	158,778,753	437,538,165
Chemicals and allied products	558	25,893	99,578,302	22,828,211	290,183,395	316,986,746	623,257,477
Miscellaneous industries	791	20,174	63,125,828	2,419,589	84,922,345	121,707,225	206,325,242
Totals	13,215	641,190	2,310,634,396	229,355,946	5,683,753,088	4,868,570,251	10,655,098,620

See footnotes at end of table.

TABLE 1. Summary Statistics of Manufactures of Each Province, Classified by Industrial Group, 1956 — Continued

Province and group	Estab- lish- ments	Em- ployees	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		
Manitoba							
Foods and beverages	372	9,922	31,481,477	3,134,147	163,529,747	70,130,282	236,670,887
Tobacco and tobacco products	—	—	—	—	—	—	—
Rubber products	3	12	25,268	1,375	45,762	92,963	132,100
Leather products	21	693	1,567,032	46,231	3,454,036	2,582,782	5,919,663
Textiles	37	739	1,803,180	75,621	7,352,877	3,322,823	10,760,076
Knitting mills	4	78	157,063	8,056	477,023	344,375	823,300
Clothing	154	5,728	13,386,227	209,067	25,549,658	20,256,204	45,851,864
Wood products	281	3,033	8,231,738	437,745	15,914,000	12,771,097	29,139,174
Paper products	24	1,512	5,436,599	1,404,982	15,196,062	15,386,379	31,907,448
Printing, publishing and allied industries	295	3,793	11,743,501	276,096	9,907,556	21,263,529	31,369,604
Iron and steel products	130	5,542	19,793,751	1,346,659	35,083,313	38,375,541	72,773,774
Transportation equipment	28	6,604	22,833,892	676,915	23,289,773	24,308,367	48,179,474
Non-ferrous metal products	18	465	1,769,879	572,850	9,199,933	12,023,303	21,710,535
Electrical apparatus and supplies	20	1,050	3,230,676	104,403	5,916,614	6,634,950	12,545,808
Non-metallic mineral products	44	1,403	4,346,619	2,839,876	7,490,955	12,275,640	22,547,633
Products of petroleum and coal	7	780	3,583,085	2,088,022	33,047,319	20,460,973	55,653,836
Chemicals and allied products	37	744	2,165,147	175,078	7,840,099	6,128,728	14,012,930
Miscellaneous industries	59	723	1,950,837	105,156	3,730,039	3,649,618	7,391,079
Totals	1,534	42,821	133,505,971	13,502,279	367,024,766	270,017,554	647,389,185
Saskatchewan							
Foods and beverages	225	4,052	15,810,305	1,887,205	88,825,046	38,043,926	128,541,293
Tobacco and tobacco products	—	—	—	—	—	—	—
Rubber products	—	—	—	—	—	—	—
Leather products	—	—	—	—	—	—	—
Textiles	8	72	140,474	2,980	828,552	245,051	1,084,936
Knitting mills	—	—	—	—	—	—	—
Clothing	12	250	580,958	20,945	1,097,655	1,125,369	2,269,760
Wood products	241	1,243	2,865,865	210,932	4,615,562	4,856,250	9,633,716
Paper products	4	25	73,033	2,669	134,354	224,409	355,004
Printing, publishing and allied industries	185	1,533	4,554,413	148,276	3,286,240	8,049,612	11,506,711
Iron and steel products	50	851	2,504,993	113,876	4,649,601	3,364,004	8,026,237
Transportation equipment	5	16	43,980	3,090	36,501	66,727	106,359
Non-ferrous metal products ¹	—	—	—	—	—	—	—
Electrical apparatus and supplies ¹	—	—	—	—	—	—	—
Non-metallic mineral products	31	464	1,441,154	404,058	1,664,998	2,902,571	4,783,369
Products of petroleum and coal	12	1,254	5,466,124	3,378,490	54,652,371	28,781,969	86,806,022
Chemicals and allied products	9	200	780,001	31,233	2,611,721	1,092,119	3,673,536
Miscellaneous industries ³	16	576	2,422,083	2,032,738	14,468,587	24,875,635	41,416,546
Totals	798	11,536	36,683,383	8,236,492	176,871,188	113,627,642	298,203,489
Alberta							
Foods and beverages	425	11,241	34,967,306	2,851,840	204,179,337	83,106,085	287,687,720
Tobacco and tobacco products	—	—	—	—	—	—	—
Rubber products ¹	—	—	—	—	—	—	—
Leather products	10	42	98,671	2,493	103,204	132,916	232,699
Textiles	20	375	1,425,493	72,704	3,804,174	2,367,369	5,784,911
Knitting mills	4	44	88,498	1,716	93,849	138,955	230,068
Clothing	24	915	2,143,827	23,613	4,742,285	3,892,760	8,398,603
Wood products	821	5,825	13,902,032	1,002,725	28,184,482	25,799,240	54,655,115
Paper products	14	635	2,195,460	169,694	7,045,264	5,320,206	12,376,899
Printings, publishing and allied industries	277	2,618	8,014,054	183,633	6,683,353	16,230,084	23,080,561
Iron and steel products	160	4,232	15,417,023	777,372	28,468,054	27,832,588	55,286,716
Transportation equipment	22	3,054	10,658,084	239,782	12,413,531	11,757,040	24,343,894
Non-ferrous metal products	12	760	3,387,350	462,805	8,454,870	9,047,591	17,866,279
Electrical apparatus and supplies	7	177	609,750	57,006	2,947,462	985,893	3,773,752
Non-metallic mineral products	72	2,735	8,970,568	1,887,313	14,193,140	21,537,746	37,635,783
Products of petroleum and coal	20	2,055	9,315,296	3,988,554	76,654,518	52,030,881	132,699,568
Chemicals and allied products	32	1,703	7,636,306	2,202,874	12,920,905	23,192,506	35,356,192
Miscellaneous industries ³	51	381	1,365,387	90,187	1,249,819	2,458,951	3,779,979
Totals	1,971	36,792	120,195,105	14,014,511	412,138,247	285,830,811	703,188,739
British Columbia							
Foods and beverages	663	16,683	52,132,590	5,125,928	228,272,295	134,096,419	357,936,229
Tobacco and tobacco products ¹	—	—	—	—	—	—	—
Rubber products	4	53	187,640	18,570	129,279	321,537	470,565
Leather products	19	533	1,376,888	35,846	2,349,589	2,009,531	4,299,780
Textiles	43	724	1,843,875	117,013	5,153,113	3,360,799	8,544,151
Knitting mills	4	278	686,534	12,609	1,080,076	1,402,236	2,348,609
Clothing	60	1,480	3,498,686	66,437	5,869,603	5,323,083	11,014,955
Wood products	2,288	43,755	148,454,608	7,923,498	333,387,130	260,655,238	599,637,945
Paper products	44	9,131	41,217,077	9,649,842	99,040,890	107,631,115	214,370,009
Printing, publishing and allied industries	424	5,224	19,421,095	425,573	13,699,146	34,727,110	48,770,712
Iron and steel products	327	10,073	39,984,381	1,968,837	67,244,736	73,720,433	140,240,237
Transportation equipment	101	5,691	23,683,055	588,027	16,841,586	37,151,290	54,337,935
Non-ferrous metal products	49	7,018	29,943,136	8,526,352	107,776,808	51,353,768	167,807,430
Electrical apparatus and supplies	35	824	3,174,199	128,047	9,639,057	6,164,995	16,215,380
Non-metallic mineral products	93	1,890	7,098,767	2,520,196	11,179,428	14,316,712	28,080,527
Products of petroleum and coal	9	1,624	7,653,575	4,199,544	76,278,946	51,634,715	132,113,205
Chemicals and allied products	97	2,525	9,825,019	1,112,212	26,668,516	34,625,881	63,993,654
Miscellaneous industries ³	133	1,089	3,688,263	198,210	3,272,148	5,754,411	9,187,143
Totals	4,393	108,595	393,869,388	42,616,741	1,007,882,346	824,249,273	1,859,368,466

See footnote at the end of table.

TABLE 1. Summary Statistics of Manufactures of Each Province, Classified by Industrial Groups, 1956 — Concluded

Province and group	Estab- lish- ments	Em- ployees	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		
Yukon and Northwest Territories							
Foods and beverages	5	18	49,708	11,800	85,243	133,378	229,611
Wood products	13	60	165,020	11,984	303,325	341,264	656,573
Miscellaneous industries ¹	6	97	466,705	164,776	3,478,847	601,581	4,244,313
Totals	24	175	681,433	188,560	3,867,415	1,076,223	5,130,497

¹ Confidential. Included with miscellaneous industries.² Publication of these figures is authorized by the firms concerned.³ Confidential. Includes all groups marked with 1.⁴ Included with all other groups.⁵ Includes printing and publishing, sheet metal products, jewellery and silverware, petroleum products, and acids, alkalies and salts.

The degree of concentration of manufacturing in large units is illustrated in Table 2. In Ontario 40.8 p.c. of all persons engaged in manufacturing were employed in establishments having 500 or more employees as compared with 36.9 p.c. for Canada as a whole. Ontario assumed the premier position in 1956, displacing Newfoundland which formerly ranked first.

Quebec ranked second with 33.0 p.c., followed by Newfoundland and Nova Scotia with 32.1 p.c., New Brunswick 31.1 p.c., British Columbia 27.5 p.c., Manitoba 24.6 p.c., and Alberta 18.6 p.c. There were no plants in either Prince Edward Island or Saskatchewan employing 500 or more persons.

TABLE 2. Concentration of Manufacturing Production in Each Province, 1956

Province	Number of establishments employing 500 or more persons	Percentage of total number of establishments in province	Provincial percentage of number of employees accounted for by these establishments
Newfoundland	2	0.3	32.1
Prince Edward Island	—	—	—
Nova Scotia	7	0.5	32.1
New Brunswick	8	0.8	31.1
Quebec	139	1.1	38.0
Ontario	197	1.5	40.8
Manitoba	10	0.7	24.6
Saskatchewan	—	—	—
Alberta	9	0.5	18.6
British Columbia	28	0.6	27.5
Yukon and Northwest Territories	—	—	—
Canada	400	1.1	36.9

TABLE 3. Principal Statistics of Manufacturing Industries of Canada and Each Province, Classified by Number of Employees per Establishment, 1956

Province and 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	
Canada:						
Under 5 employees	15,807	34,424	60,175,569	7,243,424	203,244,855	326,661,142
5 to 14 employees	9,768	81,151	205,696,606	18,222,717	545,227,029	944,093,327
15 " 49 "	6,468	173,156	490,166,876	37,943,269	1,237,380,837	2,219,534,830
50 " 99 "	2,101	145,886	430,594,776	31,950,179	1,049,324,465	1,952,641,081
100 " 199 "	1,221	168,495	522,458,735	47,058,234	1,422,446,267	2,568,576,166
200 " 499 "	777	239,195	821,741,428	101,088,230	2,199,554,427	4,143,302,508
500 " 999 "	260	181,986	679,327,988	106,492,369	1,923,874,580	3,546,252,188
1,000 " 1,499 "	74	91,452	353,714,544	49,118,376	919,763,113	1,702,268,319
1,500 and over	66	220,723	915,177,927	124,795,718	2,216,060,323	4,227,749,455
Not classifiable	886	—	—	—	4,587,912	5,669,970
Head Offices ¹	—	16,552	91,637,741	28,190	73,081	—
Totals	37,428	1,353,020	4,570,692,190	523,940,706	11,721,536,889	21,636,748,986
Newfoundland:						
Under 5 employees	617	964	683,171	91,481	1,392,165	2,831,914
5 to 14 employees	63	511	1,062,404	136,176	2,495,927	5,149,657
15 " 49 "	55	1,433	3,249,271	397,612	6,820,590	13,746,781
50 " 99 "	26	1,894	4,726,301	407,955	9,886,975	19,375,155
100 " 199 "	11	1,447	2,567,966	592,776	4,078,911	8,828,137
200 " 499 "	3	—	—	—	—	—
1,000 " 1,499 "	1	4,247	18,118,422	5,351,414	30,765,773	73,747,004
1,500 and over	1	—	—	—	—	—
Not classifiable	6	—	—	—	11,615	12,696
Head Offices ¹	—	6	55,200	—	—	—
Totals	783	10,502	30,462,735	6,977,414	55,451,956	123,691,344

¹ Under this heading are included only those head offices that are not located at the plant.

TABLE 3. Principal Statistics of Manufacturing Industries of Canada and Each Province, Classified by Number of Employees per Establishment, 1956 — Continued

Province and 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		
Prince Edward Island:						
Under 5 employees	115	222	276, 067	41, 505	1, 890, 645	2, 579, 436
5 to 14 employees	40	338	530, 428	87, 856	2, 761, 795	3, 833, 376
15 " 49 "	31	746	1, 258, 322	154, 514	7, 383, 277	9, 759, 384
50 " 99 "	2					
100 " 199 "	1	469	1, 168, 587	117, 553	5, 766, 194	8, 320, 062
200 " 499 "	1					
Not classifiable	2	—	—	—	4, 931	4, 987
Totals	192	1, 775	3, 233, 404	401, 428	17, 806, 842	24, 497, 245
Nova Scotia:						
Under 5 employees	714	1, 492	1, 930, 602	217, 226	4, 761, 596	8, 632, 936
5 to 14 employees	363	3, 041	5, 729, 863	690, 184	18, 747, 621	31, 401, 779
15 " 49 "	180	4, 754	10, 084, 289	1, 225, 184	29, 508, 236	49, 463, 925
50 " 99 "	48	3, 442	7, 766, 968	1, 184, 234	20, 008, 535	37, 380, 126
100 " 199 "	17	2, 267	5, 578, 185	708, 487	11, 463, 494	22, 492, 240
200 " 499 "	21	5, 974	19, 037, 553	4, 422, 652	75, 011, 113	122, 756, 370
500 " 999 "	5	9, 926	33, 672, 599	4, 898, 354	55, 186, 993	112, 154, 879
1,500 and over "	2					
Not classifiable	52	—	—	—		
Head Offices ¹	—	41	148, 451	—	91, 481	115, 848
Totals	1, 402	30, 937	83, 948, 510	13, 346, 321	214, 779, 069	384, 398, 103
New Brunswick:						
Under 5 employees	528	1, 076	1, 358, 276	176, 325	4, 087, 178	6, 907, 665
5 to 14 employees	258	2, 148	4, 016, 998	589, 985	12, 064, 840	20, 763, 564
15 " 49 "	129	3, 427	7, 061, 203	921, 556	23, 980, 027	38, 100, 777
50 " 99 "	37	2, 495	5, 590, 257	734, 741	18, 036, 234	29, 308, 429
100 " 199 "	24	3, 287	8, 221, 007	1, 293, 951	20, 910, 075	39, 971, 870
200 " 499 "	9	2, 966	9, 721, 619	2, 559, 868	26, 824, 342	44, 408, 150
500 " 999 "	6					
1,000 " 1,499 "	2	7, 011	24, 163, 982	7, 974, 233	70, 502, 414	133, 771, 220
Not classifiable	11	—	—	—	35, 196	48, 924
Head Offices ¹	—	150	929, 959	—	—	—
Totals	1, 004	22, 560	61, 063, 301	14, 250, 659	176, 440, 306	313, 280, 599
Quebec:						
Under 5 employees	5, 126	11, 395	19, 918, 896	2, 472, 139	95, 064, 722	136, 618, 161
5 to 14 employees	3, 109	25, 711	60, 371, 254	4, 960, 571	185, 126, 472	305, 170, 648
15 " 49 "	2, 196	59, 082	149, 273, 649	10, 080, 887	371, 462, 306	660, 254, 350
50 " 99 "	689	47, 654	124, 491, 203	7, 576, 600	275, 320, 342	531, 448, 987
100 " 199 "	398	54, 588	152, 726, 617	15, 591, 288	439, 958, 521	777, 454, 533
200 " 499 "	232	72, 734	225, 836, 910	30, 001, 811	573, 908, 905	1, 107, 516, 684
500 " 999 "	87	61, 572	222, 416, 229	52, 294, 816	920, 651, 032	1, 551, 814, 621
1,000 " 1,499 "	28	34, 331	126, 709, 513	25, 486, 337	343, 148, 523	651, 701, 604
1,500 and over "	24	71, 370	273, 210, 803	32, 585, 906	399, 474, 087	898, 787, 971
Not classifiable	223	—	—	—	1, 406, 756	1, 735, 140
Head Offices ¹	—	7, 700	41, 459, 490	—	—	—
Totals	12, 112	446, 137	1, 396, 414, 564	181, 050, 355	3, 605, 521, 666	6, 622, 502, 699
Ontario:						
Under 5 employees	4, 784	10, 724	21, 214, 329	2, 659, 314	63, 097, 494	106, 180, 079
5 to 14 employees	3, 476	29, 169	79, 538, 874	6, 549, 373	195, 387, 980	344, 317, 880
15 " 49 "	2, 565	69, 622	211, 268, 063	16, 475, 437	519, 565, 404	950, 400, 382
50 " 99 "	895	62, 720	197, 085, 966	14, 678, 344	484, 353, 172	899, 256, 435
100 " 199 "	565	78, 646	259, 120, 522	18, 650, 571	624, 226, 264	1, 163, 681, 265
200 " 499 "	409	124, 744	440, 771, 707	37, 216, 715	1, 008, 842, 604	1, 954, 746, 834
500 " 999 "	128	87, 199	337, 541, 920	42, 565, 130	679, 065, 299	1, 407, 705, 252
1,000 " 1,499 "	36	44, 765	176, 801, 124	16, 167, 106	469, 825, 598	851, 650, 809
1,500 and over "	33	127, 369	551, 896, 364	74, 393, 956	1, 637, 202, 936	2, 974, 461, 117
Not classifiable	324	—	—	—	2, 186, 337	2, 698, 587
Head Offices ¹	—	6, 232	35, 395, 527	—	—	—
Totals	13, 215	641, 190	2, 310, 634, 396	229, 355, 946	5, 683, 753, 088	10, 655, 098, 620
Manitoba:						
Under 5 employees	634	1, 377	2, 543, 405	257, 486	6, 090, 860	11, 158, 178
5 to 14 employees	396	3, 289	8, 129, 226	837, 146	24, 904, 998	41, 089, 159
15 " 49 "	232	6, 217	17, 297, 713	1, 307, 837	40, 009, 684	72, 539, 990
50 " 99 "	114	7, 724	22, 861, 197	1, 422, 103	60, 941, 542	106, 331, 799
100 " 199 "	54	7, 721	22, 853, 446	3, 358, 404	81, 390, 880	143, 558, 440
200 " 499 "	21	5, 780	20, 911, 734	4, 490, 775	52, 894, 284	108, 491, 252
500 " 999 "	6	4, 457	16, 324, 569	1, 126, 692	52, 542, 265	87, 411, 354
1,000 " 1,499 "	2					
1,500 and over "	2	6, 070	21, 411, 158	701, 836	48, 013, 768	76, 555, 946
Not classifiable	73	—	—	—	236, 485	253, 067
Head Offices ¹	—	186	1, 173, 523	—	—	—
Totals	1, 534	42, 821	133, 505, 971	13, 502, 279	367, 024, 766	647, 389, 185

¹ Under this heading are included only those head offices that are not located at the plant.

TABLE 3. Principal Statistics of Manufacturing Industries of Canada and Each Province, Classified by Number of Employees per Establishment, 1956 — Concluded

Province and 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		
Saskatchewan:						
Under 5 employees	411	849	1,477,328	184,657	2,937,713	5,821,788
5 to 14 employees	225	1,759	4,550,958	661,631	14,042,709	23,876,543
15 " 49 "	82	2,184	6,683,098	818,752	19,781,018	34,183,921
50 " 99 "	28	1,952	6,381,621	696,722	15,209,893	32,522,310
100 " 199 "	13	1,686	5,220,936	732,965	28,178,134	40,381,305
200 " 499 "	9	2,885	11,466,492	5,141,765	96,610,694	161,273,011
Not classifiable	30	—	—	—	111,027	144,611
Head Offices ¹	—	221	902,950	—	—	—
Totals	798	11,536	36,683,383	8,236,492	176,871,188	298,203,489
Alberta:						
Under 5 employees	981	2,017	3,139,098	379,994	8,986,334	15,335,421
5 to 14 employees	536	4,420	11,519,598	1,070,240	31,236,501	54,439,527
15 " 49 "	239	6,139	19,246,501	1,722,513	53,471,848	97,734,009
50 " 99 "	74	5,046	16,364,284	1,371,399	45,047,749	82,217,450
100 " 199 "	41	5,443	18,233,639	2,777,650	77,691,468	134,447,327
200 " 499 "	21	6,446	25,505,269	5,719,020	113,352,026	196,366,736
500 " 999 "	8	6,848	23,945,960	973,695	82,199,446	122,431,140
1,000 " 1,499 "	1	—	—	—	152,875	217,129
Not classifiable	70	—	—	—	—	—
Head Offices ¹	—	433	2,240,756	—	—	—
Totals	1,971	36,792	120,195,105	14,014,511	412,138,247	703,188,739
British Columbia:						
Under 5 employees	1,883	4,276	7,558,136	751,624	14,790,442	30,244,649
5 to 14 employees	1,293	10,694	29,992,890	2,613,409	57,661,349	112,806,570
15 " 49 "	759	19,552	64,744,767	4,838,977	165,398,447	293,351,331
50 " 99 "	187	12,733	44,678,477	3,705,159	117,314,416	210,499,032
100 " 199 "	97	13,301	47,749,318	3,329,502	134,010,562	236,856,010
200 " 499 "	51	16,582	68,122,228	11,343,632	244,427,290	435,432,932
500 " 999 "	20	14,887	58,461,790	3,913,906	122,617,174	246,800,901
1,000 " 1,499 "	4	4,731	20,119,668	1,901,707	29,884,346	65,958,811
1,500 and over	4	10,256	45,110,229	10,190,635	121,354,030	226,979,049
Not classifiable	95	—	—	—	351,209	438,931
Head Offices ¹	—	1,583	9,331,885	28,190	73,081	—
Totals	4,393	108,595	393,869,388	42,616,741	1,007,882,346	1,859,368,466
Yukon and Northwest Territories:						
Under 5 employees	14	32	76,261	11,673	145,706	350,715
5 to 14 employees	9	143	605,172	176,887	3,721,709	4,779,782
50 " 99 "	1	—	—	—	—	—
Totals	24	175	681,433	188,560	3,867,415	5,130,497

¹ Under this heading are included only those head offices that are not located at the plant.**TABLE 4. Principal Statistics of the Manufacturing Industries of Canada and Each Province, Classified According to the Selling Value of Factory Shipments per Establishment, 1956**

Province and 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		
Canada:						
Under \$10,000	8,167	10,992	11,404,528	1,216,309	16,746,668	36,042,289
\$ 10,000 to \$ 24,999	5,849	17,789	32,088,600	2,940,079	44,019,219	97,366,056
25,000 " 49,999	4,960	27,803	58,348,586	4,584,658	84,248,053	179,826,287
50,000 " 99,999	4,905	45,022	106,757,717	8,170,668	175,725,418	352,055,444
100,000 " 199,999	4,266	64,955	167,454,427	12,264,238	323,974,525	605,290,084
200,000 " 499,999	4,149	125,306	346,033,921	22,319,225	693,959,204	1,313,515,996
500,000 " 999,999	2,133	127,965	371,224,539	24,162,630	789,126,808	1,494,648,452
1,000,000 " 4,999,999	2,284	349,694	1,130,319,793	85,424,603	2,503,484,257	4,793,887,428
5,000,000 and over	695	566,942	2,255,422,338	362,830,098	7,090,179,656	12,761,116,950
Head Offices ¹	—	16,552	91,637,741	28,190	73,081	—
Totals	37,428	1,333,020	4,570,692,190	523,940,706	11,721,536,889	21,636,748,986
Newfoundland:						
Under \$10,000	570	824	447,717	61,653	781,732	1,708,283
\$ 10,000 to \$ 24,999	55	197	291,143	28,088	370,457	837,178
25,000 " 49,999	35	202	368,573	41,704	500,270	1,198,636
50,000 " 99,999	17	266	435,011	49,108	521,047	1,148,560
100,000 " 199,999	38	862	1,834,149	160,492	3,069,250	5,465,119
200,000 " 499,999	30	1,201	2,432,041	219,999	4,796,365	9,365,677
500,000 " 999,999	24	1,956	4,051,155	510,017	8,809,723	16,720,230
1,000,000 " 4,999,999	12	4,988	20,527,746	5,906,353	36,603,112	87,247,661
5,000,000 and over	2	—	—	—	—	—
Head Offices ¹	—	6	55,200	—	—	—
Totals	783	10,502	30,462,735	6,977,414	35,451,956	123,691,344

¹ Under this heading are included only those head offices that are not located at the plant.

TABLE 4. Principal Statistics of the Manufacturing Industries of Canada and Each Province, Classified According to the Selling Value of Factory Shipments per Establishment, 1956 - Continued

Province and 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		
Prince Edward Island:						
Under \$10,000	72	92	73, 195	6, 994	129, 411	302, 979
\$ 10,000 to \$ 24,999	24	80	98, 324	13, 124	210, 911	383, 023
25,000 " 49,999	20	104	138, 320	21, 232	480, 342	764, 592
50,000 " 99,999	24	213	331, 264	48, 910	1, 047, 056	1, 670, 822
100,000 " 199,999	29	449	716, 389	76, 062	2, 630, 372	3, 967, 832
200,000 " 499,999	14	348	626, 580	72, 888	3, 173, 836	4, 345, 542
500,000 " 999,999	7					
1,000,000 " 4,999,999	1	489	1, 249, 332	162, 218	10, 134, 914	13, 062, 455
5,000,000 and over	1					
Totals	192	1, 775	3, 233, 404	401, 428	17, 806, 842	24, 497, 245
Nova Scotia:						
Under \$10,000	471	656	513, 291	45, 525	981, 174	1, 892, 710
\$ 10,000 to \$ 24,999	238	746	1, 094, 903	116, 627	1, 951, 646	3, 888, 053
25,000 " 49,999	173	985	1, 718, 631	153, 583	3, 238, 375	6, 104, 549
50,000 " 99,999	183	1, 757	2, 964, 653	294, 927	7, 516, 683	12, 893, 632
100,000 " 199,999	122	2, 112	4, 085, 243	455, 515	9, 304, 012	16, 967, 459
200,000 " 499,999	116	3, 506	7, 717, 879	1, 040, 399	20, 296, 137	35, 210, 102
500,000 " 999,999	42	2, 511	5, 681, 657	694, 339	17, 057, 592	29, 689, 852
1,000,000 " 4,999,999	50	9, 987	27, 048, 597	2, 401, 775	54, 387, 597	103, 461, 747
5,000,000 and over	7	8, 636	32, 975, 205	8, 143, 631	100, 045, 853	174, 289, 999
Head Offices ¹	—	41	148, 451	—	—	—
Totals	1, 402	30, 937	83, 948, 510	13, 346, 321	214, 779, 069	384, 398, 103
New Brunswick:						
Under \$10,000	352	549	457, 069	49, 327	803, 988	1, 554, 947
\$ 10,000 to \$ 24,999	142	461	619, 200	64, 482	1, 228, 552	2, 380, 290
25,000 " 49,999	133	776	1, 301, 983	113, 214	2, 517, 719	4, 794, 023
50,000 " 99,999	134	1, 278	2, 324, 944	312, 801	5, 294, 396	9, 643, 878
100,000 " 199,999	86	1, 557	2, 842, 381	331, 669	6, 515, 476	11, 902, 933
200,000 " 499,999	74	2, 341	5, 146, 692	558, 492	12, 803, 480	22, 753, 851
500,000 " 999,999	35	2, 265	5, 091, 609	833, 798	13, 922, 348	24, 507, 352
1,000,000 " 4,999,999	39	6, 862	17, 221, 767	2, 528, 595	45, 187, 618	80, 596, 519
5,000,000 and over	9	6, 321	25, 127, 697	9, 457, 281	88, 166, 729	155, 146, 306
Head Offices ¹	—	150	929, 959	—	—	—
Totals	1, 004	22, 560	61, 063, 301	14, 250, 659	176, 440, 306	313, 280, 599
Quebec:						
Under \$10,000	2, 134	2, 893	3, 287, 589	331, 741	5, 045, 542	10, 392, 452
\$ 10,000 to \$ 24,999	1, 992	5, 832	10, 088, 786	899, 694	16, 006, 693	33, 034, 414
25,000 " 49,999	1, 767	9, 981	19, 262, 263	1, 491, 578	31, 579, 384	63, 597, 785
50,000 " 99,999	1, 764	16, 781	36, 171, 414	2, 445, 545	67, 210, 348	126, 900, 409
100,000 " 199,999	1, 503	23, 301	53, 937, 992	3, 316, 631	120, 863, 588	214, 316, 273
200,000 " 499,999	1, 408	44, 109	109, 755, 276	6, 220, 768	242, 699, 863	442, 130, 450
500,000 " 999,999	703	46, 487	119, 787, 258	6, 396, 203	264, 691, 540	489, 106, 517
1,000,000 " 4,999,999	636	105, 351	309, 689, 604	25, 808, 914	692, 681, 607	1, 319, 735, 052
5,000,000 and over	205	183, 702	692, 974, 892	134, 139, 281	2, 164, 743, 101	3, 923, 289, 347
Head Offices ¹	—	7, 700	41, 459, 490	—	—	—
Totals	12, 112	446, 137	1, 396, 414, 564	181, 050, 355	3, 605, 521, 666	6, 622, 502, 699
Ontario:						
Under \$10,000	2, 252	2, 856	3, 442, 062	376, 364	4, 630, 559	10, 248, 889
\$ 10,000 to \$ 24,999	1, 944	5, 974	11, 644, 144	1, 058, 728	14, 006, 071	32, 711, 352
25,000 " 49,999	1, 695	9, 359	21, 055, 262	1, 624, 395	28, 171, 009	61, 617, 584
50,000 " 99,999	1, 722	15, 177	39, 568, 241	2, 882, 850	59, 618, 654	123, 470, 541
100,000 " 199,999	1, 578	23, 823	65, 940, 177	4, 762, 701	116, 345, 768	226, 018, 471
200,000 " 499,999	1, 677	51, 523	151, 168, 105	9, 194, 372	270, 648, 258	535, 495, 569
500,000 " 999,999	884	52, 739	165, 592, 009	10, 332, 922	308, 742, 396	622, 093, 303
1,000,000 " 4,999,999	1, 117	176, 311	598, 642, 970	39, 911, 112	1, 218, 772, 942	2, 405, 575, 712
5,000,000 and over	346	297, 196	1, 218, 185, 899	159, 212, 502	3, 662, 817, 431	6, 637, 867, 199
Head Offices ¹	—	6, 232	35, 395, 527	—	—	—
Totals	13, 215	641, 190	2, 310, 634, 396	229, 355, 946	5, 683, 753, 088	10, 655, 098, 620
Manitoba:						
Under \$10,000	371	440	501, 927	52, 692	753, 893	1, 572, 605
\$ 10,000 to \$ 24,999	277	844	1, 647, 920	154, 584	2, 016, 407	4, 602, 050
25,000 " 49,999	176	1, 021	2, 276, 988	152, 893	2, 834, 490	6, 253, 073
50,000 " 99,999	161	1, 598	3, 724, 711	320, 639	5, 589, 383	11, 533, 642
100,000 " 199,999	184	2, 651	7, 075, 620	608, 277	14, 630, 399	26, 724, 055
200,000 " 499,999	152	4, 823	13, 140, 294	742, 403	27, 355, 028	50, 198, 787
500,000 " 999,999	101	6, 022	17, 252, 004	1, 156, 783	39, 287, 154	70, 517, 255
1,000,000 " 4,999,999	91	12, 288	39, 749, 976	2, 500, 473	102, 751, 358	183, 149, 280
5,000,000 and over	21	12, 948	46, 963, 008	7, 813, 535	171, 806, 654	292, 838, 238
Head Offices ¹	—	186	1, 173, 523	—	—	—
Totals	1, 534	42, 821	133, 505, 971	13, 502, 279	367, 024, 766	647, 389, 185

¹ Under this heading are included only those head offices that are not located at the plant.

TABLE 4. Principal Statistics of the Manufacturing Industries of Canada and Each Province, Classified According to the Selling Value of Factory Shipments per Establishment, 1956 — Concluded

Province and 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		
Saskatchewan:						
Under \$10,000	271	345	361,198	43,867	446,472	1,065,627
\$ 10,000 to \$ 24,999	130	412	792,486	68,714	787,977	2,092,415
25,000 " 49,999	112	616	1,364,112	123,609	1,595,747	4,059,197
50,000 " 99,999	76	683	1,724,567	228,849	2,309,392	5,153,724
100,000 " 199,999	64	735	2,237,824	319,429	4,510,616	8,691,457
200,000 " 499,999	76	1,730	5,410,912	587,106	12,785,411	23,909,717
500,000 " 999,999	32	1,372	4,083,344	402,584	14,690,232	22,439,806
1,000,000 " 4,999,999	26	2,424	7,780,544	818,048	23,926,006	46,869,051
5,000,000 and over	11	2,996	12,025,446	5,644,286	115,819,335	183,922,495
Head Offices ¹	—	221	902,950	—	—	—
Totals	798	11,536	36,683,383	8,236,492	176,871,188	298,203,439
Alberta:						
Under \$10,000	649	854	743,389	95,842	1,077,538	2,413,892
\$ 10,000 to \$ 24,999	303	917	1,680,866	145,987	2,082,624	5,048,921
25,000 " 49,999	212	1,243	2,658,625	195,156	3,208,973	7,753,288
50,000 " 99,999	261	2,283	5,807,758	520,001	8,632,877	19,030,411
100,000 " 199,999	188	2,549	7,241,930	614,782	14,230,605	26,579,829
200,000 " 499,999	166	4,046	12,606,924	906,132	22,146,731	52,587,287
500,000 " 999,999	74	3,532	11,389,977	881,167	29,333,447	51,242,629
1,000,000 " 4,999,999	88	9,961	34,109,056	3,909,196	91,480,779	177,483,340
5,000,000 and over	30	10,974	41,715,824	6,746,248	233,744,673	361,049,142
Head Offices ¹	—	433	2,240,756	—	—	—
Totals	1,971	36,792	120,195,105	14,014,511	412,138,247	703,188,739
British Columbia:						
Under \$10,000	1,021	1,478	1,572,301	151,694	2,088,939	4,871,785
\$ 10,000 to \$ 24,999	741	2,319	4,119,346	338,873	5,343,326	12,349,658
25,000 " 49,999	648	3,475	8,056,230	655,653	9,994,744	23,321,675
50,000 " 99,999	560	4,973	13,669,004	1,060,050	17,692,247	40,404,340
100,000 " 199,999	471	6,884	21,434,644	1,610,960	31,691,689	67,282,185
200,000 " 499,999	436	11,679	38,029,218	2,776,666	71,254,095	137,519,014
500,000 " 999,999	230	10,830	37,761,830	2,862,665	88,057,713	162,595,213
1,000,000 " 4,999,999	223	24,780	91,559,159	6,713,542	261,628,238	453,064,983
5,000,000 and over	63	40,594	168,335,771	26,368,448	520,058,274	957,979,613
Head Offices ¹	—	1,583	9,331,885	28,190	73,081	—
Totals	4,393	108,595	393,869,388	42,616,741	1,007,882,346	1,859,368,466
Yukon and Northwest Territories:						
Under \$10,000	4	5	4,790	610	7,420	18,120
\$ 10,000 to \$ 24,999	3	7	11,482	1,178	14,555	38,702
25,000 " 49,999	9	39	127,599	11,641	127,000	361,885
50,000 " 99,999	3	13	36,150	6,988	93,335	205,285
100,000 " 199,999	3	111	501,412	163,143	3,625,105	4,506,505
500,000 " 999,999	1					
1,000,000 " 4,999,999	1					
Totals	24	175	681,433	188,560	3,867,415	5,130,497

¹ Under this heading are included only those head offices that are not located at the plant.

SECTION 2. THE MANUFACTURES OF THE ATLANTIC PROVINCES

The Atlantic Provinces are of economic importance in a number of fields, such as pulp and paper, fish processing, saw-mills and primary iron and steel. In Newfoundland manufacturing production is dominated by the forest and fisheries resources. Pulp and paper was the most important industry in 1956 with shipments valued at \$68,085,288, followed by fish processing with \$18,279,005. These two industries accounted for 70 per cent of the total production of the Province. In Prince Edward Island agriculture and fishing resources make butter and cheese, slaughtering and meat packing, and fish processing the leading industries. Nova Scotia is renowned for its coal mines and its fisheries as well as extensive forests and agricultural lands and is favoured with easy access by sea to the high-grade iron-ore supply of Newfoundland. On these resources are based the leading manufactures of primary iron and steel, fish processing, pulp and paper, shipbuilding and sawmills. In addition, an important petroleum refinery, railway rolling stock, cotton yarn and cloth and coke and gas plants add to the diversification of the Province. The forests of New Brunswick give a leading place to its pulp and paper and sawmilling industries. Other important manufacturing and processing activities are based on fish and agricultural resources.

Nova Scotia and New Brunswick, despite the lack of large rivers, have valuable sources of hydraulic power, a considerable portion of which has been developed. Tentative estimates give Newfoundland a potential of almost 1,000,000 h.p. at ordinary minimum flow, while in Labrador, the Hamilton River is outstanding as a potential source of power. Turbine installation at the end of 1956 totalled 336,750 h.p. in Newfoundland, 1,882 in Prince Edward Island, 177,018 in Nova Scotia and 164,130 in New Brunswick. Compared with Quebec, Ontario and British Columbia, the installed power in the Atlantic Provinces, is very small, amounting to 679,780 h.p. This compares with a total of 1,191,745 in the Prairie Provinces and 18,403,048 in the whole of Canada.

Manufacturing establishments reporting in 1956 numbered 3,381 for the Atlantic Provinces as a whole. These plants furnished employment to 55,774 persons who received \$178,707,950 in salaries and wages. They also shipped goods with a selling value at the factory of \$845,867,291 and spent \$464,478,173 for materials, while the value added by manufacture totalled \$353,904,067.

Considering the Atlantic Provinces as an economic unit, pulp and paper was the leading industry in 1956 with factory shipments valued at \$191,465,894. This was followed by fish processing with \$81,202,927, primary iron and steel \$51,321,212, sawmills \$44,251,499 and railway rolling stock \$33,758,676. These five industries accounted for 49 p.c. of the total value of factory shipments of the Atlantic Region. Other important industries, in order of value of factory shipments and with shipments valued at \$10,000,000 or more, were: petroleum products, sugar refining, butter and cheese, shipbuilding, bread and other bakery products, slaughtering and meat packing, sash, door and planing mills, miscellaneous food preparations, printing and publishing, prepared stock and poultry feeds, breweries, miscellaneous iron and steel products, and coke and gas products.

For the Atlantic Provinces as a whole there was an increase of 1.5 p.c. in the number of persons employed and 10.6 p.c. in the value of factory shipments in 1956 as compared with the previous year. Not all industries, however, shared in the advance. Of the leading industries, fish processing with a loss of 8.4 p.c. in the value of shipments reported the greatest decline. This was followed by sawmills with a drop of 4.9 p.c. and shipbuilding with a drop of 4.2 p.c. The majority of the leading industries with shipments of \$10,000,000 or more, however, reported increased shipments. The greatest gain of 97.4 p.c. was reported by the railway rolling stock industry, followed by primary iron and steel with 17.8 p.c. and pulp and paper 7.5 p.c. A notable feature of the 1956 manufacturing operations in the Atlantic Provinces was the expansion in the petroleum products industry in Nova Scotia, with shipments almost double the previous year.

Principal Statistics of the Atlantic Provinces, 1956

Province	Establishments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	number			\$'000		
Newfoundland	783	10,502	30,463	55,452	62,608	123,691
Prince Edward Island	192	1,775	3,233	17,807	6,162	24,497
Nova Scotia	1,402	30,937	83,949	214,779	159,820	384,398
New Brunswick	1,004	22,560	61,063	176,440	125,314	313,281
Total	3,381	65,774	178,708	464,478	353,904	845,867

In the Atlantic region the program of industrial development has been more selective than in some of the other provinces. Fish processing, new sawmills, increased pulp-making capacity and the manufacture of non-metallic building materials like cement and gypsum products have accounted for well over half of the industrial growth. There are however, a few outstanding exceptions. Two sizeable defence plants have been established in Nova Scotia, one to repair and overhaul naval aircraft and the other to build and repair radar and related electronic equipment. Considerable development has taken place in Newfoundland. Besides plants for the manufacture of cement and gypsum wallboard and plaster, factories for producing boots and shoes, birch veneer, leather goods, industrial machinery and a leather tannery were established, thus broadening the industrial base of the province. With these exceptions, most of the developments in the Atlantic Provinces have been either small and scattered or confined to the modernization and expansion of manufacturing facilities that were already established at the close of World War II.

In spite of the rapid development in the Atlantic Provinces since 1949 manufacturing production did not quite keep pace with the development in the more industrialized provinces of Ontario, Quebec and British Columbia. This is indicated by a

slight drop in the Atlantic Provinces' share of the Canadian total from 4.52 in 1949 to 3.83 in 1956. In number of persons employed there was an increase of 2.4 per cent for the Atlantic Provinces as compared with an increase of 15.3 per cent for Canada as a whole. For salaries and wages paid the increase was 49.3 per cent as compared with 76.2 per cent for Canada, and in selling value of factory shipments the increase was 46.6 per cent for the Atlantic Provinces and 73.2 per cent for Canada as a whole.

Up to 1952 the increase in employment in the Atlantic Provinces was about the same as for Canada as a whole. Between 1953 and 1955, however, employment in the Atlantic Provinces declined by 6.0 p.c. while for Canada as a whole the decline was only 2.2 p.c. In 1956 the same situation prevailed. Employment in the Atlantic Provinces rose by 1.5 p.c. as compared with 1955, while for Canada as a whole the increase was 4.2 p.c. The increased employment since 1949 reported by Newfoundland, Prince Edward Island and Nova Scotia was offset by a drop 3.8 p.c. in New Brunswick, resulting in a net increase of only 2.4 p.c. for the Atlantic Provinces as compared with an increase of 15.3 p.c. for Canada. Selling value of factory shipments was 46.6 p.c. higher in the Atlantic Provinces while for Canada as a whole it was 73.2 p.c. higher.

Variation in Employment and Factory Shipments, 1956 Compared with 1949

Province	Employees	Salaries and wages	Selling value of selling shipments
	per cent		
Newfoundland ¹	+10.5	+66.3	+56.8
Prince Edward Island	+1.6	+51.6	+35.2
Nova Scotia	+5.5	+53.5	+55.3
New Brunswick	-3.8	+38.1	+35.3
Atlantic Provinces	+2.4	+49.3	+46.6
Canada	+15.3	+76.2	+73.2

¹ Exclusive of fish processing.

TABLE 5. Principal Statistics of the Leading Industries of Newfoundland, 1956

No.	Industries	Estab-lish-ments	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 ¹	2	3,369	16,434,551	28,030,105	35,444,029	68,085,288
2	Fish processing	44	2,838	4,710,364	10,146,784	8,294,199	18,279,005
3	Breweries	3	200	654,818	916,008	2,492,053	3,616,522
4	Sash, door and planing mills	25	278	727,223	2,144,379	1,154,613	3,344,673
5	Bread and other bakery products	14	285	748,366	1,840,282	1,370,857	3,296,717
6	Carbonated beverages	10	133	330,810	895,666	1,351,802	2,327,482
7	Sawmills	542	848	491,350	933,046	1,052,455	2,050,109 ²
8	Printing and publishing	6	270	855,912	428,501	1,577,876	2,035,272
9	Biscuits	3	155	309,540	635,519	605,176	1,247,118
10	Other leading industries ³	8	570	1,817,673	5,210,259	4,271,565	10,049,640
	Totals, leading industries	657	8,946	27,080,607	51,180,549	57,614,625	114,331,826
	Totals, all industries	783	10,502	30,462,735	55,451,956	62,607,709	123,691,344

¹ Publication of these figures was authorized by the firms concerned.² Reported on a production basis.³ Includes: Dairy products, n.e.s.; Cement, hydraulic; Gypsum products; Miscellaneous food preparations; Paints, varnishes and lacquers; Slaughtering and meat packing.

TABLE 6. Principal Statistics of the Leading Industries of Prince Edward Island, 1956

No.	Industries	Estab-lish-ments	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	17	161	360,830	4,091,097	822,575	4,989,395
2	Fish processing	30	510	638,996	3,160,383	1,035,831	4,270,513
3	Feeds, stock and poultry, prepared	13	58	107,246	949,151	178,319	1,143,806
4	Fruit and vegetable preparations	10	119	119,116	700,039	268,880	1,049,581
5	Printing and publishing	3	156	357,890	152,860	574,215	743,722
6	Sawmills	61	112	103,016	239,520	259,285	510,451 ¹
7	Other leading industries ²	4	289	847,526	7,455,299	1,855,753	9,492,390
	Totals, leading industries	138	1,405	2,534,620	16,748,349	4,994,858	22,199,858
	Totals, all industries	192	1,775	3,233,404	17,806,842	6,161,628	24,497,245

¹ Reported on a production basis.² Includes: Bags, cotton and jute; Fertilizers; and Slaughtering and meat packing.

TABLE 7. Principal Statistics of the Leading Industries of Nova Scotia, 1956

No.	Industries	Estab-lish-ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
		number			dollars		
1	Primary iron and steel	3	4,366	16,706,991	25,989,767	23,646,154	51,321,212
2	Fish processing	140	3,938	7,372,778	28,374,456	11,977,297	40,787,255
3	Pulp and paper	4	1,238	4,661,463	8,433,403	12,042,521	22,022,222
4	Shipbuilding	18	2,907	9,267,326	8,162,706	12,355,945	20,867,905 ¹
5	Sawmills	582	2,632	3,917,041	11,104,882	7,902,241	19,318,842 ¹
6	Butter and cheese	23	733	1,879,373	7,905,114	3,351,023	11,623,772
7	Miscellaneous iron and steel	3	782	2,409,339	5,304,226	4,859,505	10,237,173
8	Sash, door and planing mills	64	835	1,895,972	5,576,942	2,745,888	8,421,869
9	Bread and other bakery products	81	867	1,910,406	4,233,215	3,728,778	8,294,678
10	Printing and publishing	26	827	2,878,389	1,417,619	5,459,029	6,968,622
11	Knitted goods, other than hosiery	3	826	1,543,504	3,389,719	2,734,189	6,092,763
12	Feed, stock and poultry, prepared	16	102	212,306	3,665,239	857,756	4,548,566
13	Fruit and vegetable preparations	16	487	872,276	2,747,728	1,767,842	4,236,093
14	Carbonated beverages	29	280	705,784	1,348,092	2,567,754	4,063,592
15	Miscellaneous food preparations	11	207	406,694	2,409,425	1,488,744	3,942,349
16	Confectionery	5	902	1,556,083	2,826,005	963,991	3,893,136
17	Slaughtering and meat packing	5	62	162,728	2,035,000	713,138	2,768,715
18	All other leading industries ²	15	4,384	15,059,513	72,236,147	40,907,211	116,793,467
	Totals, leading industries	1,044	26,375	73,417,966	197,159,685	140,069,006	346,202,231
	Totals, all industries	1,402	30,937	83,948,510	214,779,069	159,820,242	384,398,103

¹ Reported on a production basis.² Includes: Breweries; Cotton yarn and cloth; Boxes and bags, paper; Bridge and structural steel; Wire and wire goods; Aircraft and parts; Railway rolling stock; Salt; Coke and gas products; and Petroleum products.

TABLE 8. Principal Statistics of the Leading Industries of New Brunswick, 1956

No.	Industries	Estab- lish- ments	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	7	4,322	18,591,704	48,791,503	45,745,661	101,358,384
2	Sawmills	366	2,763	4,845,384	12,740,895	9,347,727	22,372,097 ¹
3	Fish processing	146	2,531	3,320,057	11,591,936	6,485,643	17,866,154
4	Miscellaneous food preparations	13	392	699,588	8,995,105	3,276,281	12,373,864
5	Slaughtering and meat packing	3	338	1,394,008	8,016,644	1,678,633	9,869,890
6	Butter and cheese	29	438	986,036	7,094,372	2,140,149	9,624,557
7	Bread and other bakery products	59	901	1,988,690	4,578,373	3,869,001	8,823,409
8	Sash, door and planing mills	61	764	1,805,301	5,590,735	2,339,882	8,103,250
9	Feeds, stock and poultry, prepared	14	190	440,206	6,170,987	1,074,898	7,321,443
10	Heating and cooking apparatus	3	700	2,032,192	2,750,618	3,750,193	6,558,879
11	Printing and publishing	20	634	1,809,646	914,261	3,248,667	4,235,509
12	Fertilizers	3	125	402,338	3,023,879	786,954	4,042,169
13	Boxes and bags, paper	8	198	496,915	1,860,634	1,093,692	3,008,907
14	Carbonated beverages	24	204	534,289	908,754	1,625,676	2,655,221
15	Confectionery	6	327	634,159	1,136,384	1,092,374	2,299,303
16	Footwear, leather	3	294	594,831	1,070,943	1,033,405	2,106,249
17	Sheet metal products	5	103	207,689	1,277,402	797,326	2,094,918
18	Other leading industries ²	12	4,733	14,025,380	39,042,295	25,594,197	66,541,754
	Totals, leading industries	782	19,957	54,808,413	165,555,720	114,980,359	291,255,957
	Totals, all industries	1,004	22,560	61,063,301	176,440,306	125,314,488	313,280,599

¹ Reported on a production basis.² Includes: Biscuits; Breweries; Brass and copper; Brooms, brushes and mops; Cement, hydraulic; Railway rolling stock; Synthetic textiles; Shipbuilding and Sugar refining.

SECTION 3. THE MANUFACTURES OF QUEBEC

Quebec with about 30 per cent of Canada's total selling value of factory shipments ranks as the second largest industrial province in Canada. The manufacturing industries of Quebec in 1956 shipped goods with a record selling value at the factory of \$6,522,502,699 and represents an increase of 11.8 p.c. over the previous year. Accompanying the increase in shipments was an increase of 3.9 p.c. in the number of persons employed which totalled 446,137. Although the value of factory shipments in 1956 was 22.9 p.c. higher than in 1953 the number of persons employed increased only by 1.0 p.c. This result conforms to the trend in recent years for employment to increase at a lower rate than volume of production. With the increase in automation and technological improvements this trend should continue even at a more accelerated pace. Indicative of this trend is the increase since 1949 for Canada as a whole of 31.8 p.c. in the volume of production as compared with an increase of only 15.5 p.c. in the number of persons employed. Since indexes of volume of production are not available by provinces no comparison can be made for Quebec. There is no doubt, however, that the volume of production in Quebec in 1956 was the highest on record.

The recovery in 1955 from the minor recession of 1954 continued at an accelerated pace in 1956. All groups reported higher value of shipments in 1956 as compared with the previous year. For the province as a whole the increase was 11.8 p.c. as compared with an increase of 10.9 p.c. for Canada. In employment too, all groups with the exception of three reported increases. Employment in the clothing group which provides work to the greatest number of workers was about the same as in 1955. Employment in the chemicals and allied products group was slightly lower, while the products of the petroleum and coal group reported a drop of 9.4 p.c. For manufacturing as a whole in Quebec there was an increase of 3.9 p.c. in the number of persons employed as compared with an increase of 4.2 p.c. for Canada.

Indexes of physical volume measure changes in production more accurately than any other indicators. Since such indexes are not available for provinces, changes in employment have to be considered as reflecting more or less the growth or decline of the various sectors of the manufacturing field. In comparing the changes in employment between the record high of

1953 with that of 1956 it is found that in spite of an increase of 22.9 p.c. in value of shipments for the province as a whole, employment went up only 1.0 p.c. during the same period. The greatest decline in employment since 1953 was reported by the transportation equipment group with a drop of 22.4 p.c. This was followed by products of petroleum and coal with a drop of 6.7 p.c., leather products 6.6 p.c., clothing 5.2 p.c., and textiles 3.0 p.c. All the other groups reported more employees in 1956 than in 1953. Of these, electrical apparatus and supplies with an increase of 18.8 p.c. reported the greatest expansion in production. This was followed by non-metallic mineral products with 17.1 p.c., paper products 14.5 p.c., printing, publishing and allied industries 9.8 p.c., rubber goods 9.5 p.c., non-ferrous metal products 6.4 p.c., miscellaneous industries 6.4 p.c., foods and beverages 5.0 p.c., iron and steel products 4.5 p.c., chemicals and allied products 2.5 p.c., knitting mills 2.1 p.c., wood products 2.1 p.c. and tobacco and tobacco products 1.4 p.c.

Quebec has developed its \$6.6 billion manufacturing output with such leading industries as pulp and paper, non-ferrous metal smelting and refining, petroleum products, slaughtering and meat packing, cotton yarn and cloth, men's and women's clothing, tobacco, cigars and cigarettes, synthetic textiles and silk, railway rolling stock, leather footwear and miscellaneous electrical apparatus. In common with the rest of Canada, Quebec experienced a great industrial expansion following the second World War. Nor was this expansion confined to the existing industrial areas, but spread to many towns and villages in the accessible areas of the province.

Quebec's leading industry is pulp and paper with an output of approximately \$618 million in 1956. Quebec is a principal world centre for the production of newsprint with 55 major pulp and paper plants concentrated in the Trois Rivières and Shawinigan Falls districts as well as along the Saguenay, Ottawa, and St. Lawrence rivers. The production of non-ferrous metals has expanded considerably during the past decade. The output of aluminum in Canada has made impressive strides during the past years and reached a record total of 620,321 tons in 1956. After the end of the war, with the disappearance of the demands for defense, surplus productive capacity appeared. New civilian uses were found to take up the slack, so that by 1948 the industry was producing 75 p.c. of its peak wartime output. To this has been added the defense demands created by the Korean war and in 1952 the peak level of production attained in 1943 has again been reached. Quebec, with its new furniture factories, its new titanium smelter and its expanded aluminum-making facilities, is challenging Ontario's long established lead in a number of the wood and non-ferrous metal products industries.

There are several important factors which contributed to the great industrial development of the Province. 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. There is also an extensive highway system linking the small rural areas to the big industrial centres. Other significant factors include abundant forest resources, water power, minerals, agricultural lands and, of even more importance, an industrious and stable population.

Quebec is the richest of the Canadian provinces in both developed and undeveloped waterpower resources. Its present installation, approaching 8,500,000 h.p., is more than 45 p.c. of the Canadian total. The Quebec Hydro-Electric Commission's Beauharnois development on the St. Lawrence river, with present capacity of 1,408,000 h.p., is to be expanded to a capacity of more than 2,000,000 h.p. The Shipshaw plant of the Aluminum Company of Canada on the Saguenay River is rated at 1,200,000 h.p. On the St. Maurice River, the Shawinigan Water and Power Company operates seven hydro-electric plants with a total capacity of 1,695,000 h.p. Up to 1955, two of these developments were the largest in the country. The completion of the Sir Adam Beck-Niagara Generating Station No. 2 on the Niagara River which raised the combined capacity of Stations Nos. 1 and 2 to 1,820,000 makes it the largest single installation in Canada.

Two of the most important industrial developments in Quebec today are the Ungava iron ore project and the new titanium industry. With the exploitation of the Ungava iron deposits on which it is believed, the future of the great steel industries of this Continent rests. Quebec's industrial base is being expanded to the point where the future industrial development of this Province is well assured.

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 \$100,000,000. By the end of 1956 it accounted for about 9 p.c. of the gross value of Quebec's manufactures and for about 42 p.c. of the Canadian total for this industry. Other large Canadian industries in which Quebec predominates are: tobacco, cigars and cigarettes 93.1 p.c. of the Canadian total; women's factory clothing 69.9 p.c., cotton yarn and cloth 57.7 p.c., men's factory clothing 56.2 p.c., synthetic textiles and silk 51.8 p.c., miscellaneous electrical apparatus and supplies 46.5 p.c., non-ferrous metal smelting and refining 43.7 p.c., pulp and paper 42.5 p.c., railway rolling stock 42.0 p.c., miscellaneous chemical products 40.3 p.c., brass and copper products 40.1 p.c., acids, alkalies and salts 39.8 p.c., aircraft and parts 37.1 p.c., and petroleum products 35.0 p.c. Two medium-sized industries with Canada shipments of over \$100,000,000 also predominated in Quebec. These were leather footwear with 57.8 p.c. and medicinal and pharmaceutical preparations 47.1 p.c.

Quebec also predominates in a large number of the smaller industries. The candle industry contributed 95.2 p.c. of the Canadian total, men's clothing contractors 93.7 p.c., women's clothing contractors 82.2 p.c., cotton thread 79.5 p.c., children's clothing 76.9 p.c., embroidery, pleating and hemstitching 76.0 p.c., oiled and waterproofed clothing 75.3 p.c., dyeing and finishing of textiles 75.2 p.c., oilcloth, linoleum and other coated fabrics 73.0 p.c., narrow fabrics 72.6 p.c., fur dressing and dyeing 72.3 p.c., process cheese 70.9 p.c., lasts, trees and shoe findings 69.8 p.c., boot and shoe findings, leather 68.8 p.c., artificial flowers and feathers 67.8 p.c., miscellaneous clothing 67.4 p.c., miscellaneous textiles 61.4 p.c., fur goods 59.6 p.c., corsets 58.5 p.c., buttons, buckles and fasteners 51.6 p.c., asbestos products 50.5 p.c., woollen cloth 38.4 p.c., etc.

Manufacturing establishments reporting in 1956 numbered 12,112. These plants furnished employment to 446,137 persons who received \$1,396,414,564 in salaries and wages. They also shipped goods with a selling value at the factory of \$6,522,502,699 and spent \$3,605,521,666 for materials. The value added by manufacture totalled \$2,888,148,758.

The value added is obtained by subtracting the cost of materials, including fuel and electricity, from the gross value of products. The difference represents the value added to the materials by labour. It is this difference which the employer of labour uses to pay for the labour itself, the overhead expenses, interest and profits.

To calculate the value of production, it is necessary to adjust the value of shipments for the difference in the opening and closing inventories of finished goods. As the census of industry schedules for 1952 and 1953 did not contain data on opening and closing inventories, no calculation can be made directly for value of production. For these two years, therefore, the value added is obtained by subtracting from the shipments the cost of materials, including fuel and electricity. The value thus obtained is somewhat different to the actual value. Beginning with 1954 it is again possible to obtain value of production figures, by adding to the value of shipments the changes in the inventory of finished products. The figures for value added in 1954 and 1955 are, therefore, comparable with 1951 and prior years.

TABLE 9. Principal Statistics of the Forty Leading Industries of Quebec, 1956

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	Pulp and paper	56	28,698	128,499,398	265,565,971	308,041,729	617,986,409
2	Non-ferrous metal smelting and refining.	10	11,922	48,072,349	390,496,486	185,842,373	610,354,584 ¹
3	Petroleum products	8	2,803	13,632,244	272,981,751	150,408,254	438,753,511 ¹
4	Miscellaneous electrical apparatus and supplies	43	14,196	54,255,517	92,111,341	98,835,599	182,939,412
5	Slaughtering and meat packing	40	5,081	17,297,167	143,749,886	26,806,404	172,597,212
6	Clothing, women's factory	432	17,167	40,827,221	95,385,604	71,919,745	166,180,661
7	Cotton yarn and cloth	21	14,133	38,302,322	101,498,550	55,896,351	159,904,697
8	Tobacco, cigars and cigarettes	23	7,236	24,643,322	84,220,983	73,065,989	157,838,470
9	Clothing men's factory	315	16,831	38,702,864	91,884,505	62,220,638	152,919,664
10	Railway rolling stock	7	12,596	44,570,606	85,940,415	56,853,194	145,052,697 ¹
11	Aircraft and parts	24	12,643	52,036,156	43,123,506	86,936,528	131,405,109 ¹
12	Butter and cheese	614	5,058	12,558,257	102,762,408	25,254,862	131,122,282
13	Miscellaneous food preparations	83	2,675	8,312,142	71,622,744	33,371,072	105,457,911
14	Machinery, industrial	56	8,292	32,229,377	44,860,545	63,307,915	102,460,691
15	Furniture	627	11,468	30,520,718	50,434,014	50,669,003	101,061,088
16	Brass and copper products	40	2,952	11,261,272	74,305,581	23,627,385	97,915,790
17	Sawmills	1,499	9,571	17,949,787	58,708,315	36,997,202	96,712,360 ¹
18	Miscellaneous chemical products n.e.s.	82	6,607	23,036,743	54,424,831	34,036,143	91,189,367
19	Bread and other bakery products	934	10,464	24,849,451	42,834,161	40,800,264	86,893,668
20	Synthetic textiles and silk	32	10,178	29,729,378	40,963,469	38,708,115	83,436,694
21	Footwear, leather	152	12,069	26,425,031	39,324,670	39,370,851	78,987,408
22	Acids, alkalies and salts	15	3,835	17,219,123	37,988,226	34,449,680	77,001,898
23	Boxes and bags, paper	64	5,158	14,690,309	48,431,711	27,929,591	76,190,773
24	Feeds, stock and poultry prepared	296	1,988	4,828,911	58,015,293	13,799,030	72,538,441
25	Primary iron and steel	15	4,273	16,938,168	25,111,454	43,405,627	71,614,798
26	Printing and publishing	78	6,833	25,820,190	21,136,278	49,653,185	71,294,036
27	Sheet metal products	88	4,996	17,942,944	35,322,914	34,706,836	69,736,517
28	Rubber goods, including footwear	35	6,877	20,706,605	28,771,073	37,322,772	65,052,656
29	Bridge and structural steel work	14	4,564	18,991,443	36,252,157	27,868,150	64,717,867 ¹
30	Printing and bookbinding	612	7,586	24,234,007	22,629,635	39,629,892	62,704,470
31	Breweries	5	2,669	11,365,588	15,944,804	47,322,916	62,067,744
32	Shipbuilding and repairs	11	7,444	26,818,703	25,575,532	35,180,101	61,427,966 ¹
33	Sash, door and planing mills	778	5,803	13,642,454	35,974,546	24,830,713	61,033,303
34	Medicinal and pharmaceutical preparations	92	3,779	12,999,651	18,756,187	38,143,691	57,691,174
35	Distilled liquors	8	2,408	8,919,672	18,622,636	35,901,664	54,813,918
36	Telecommunication equipment	26	6,661	22,423,306	27,265,819	27,039,512	53,023,760
37	Wire and wire goods	37	3,150	12,316,167	31,032,989	21,758,396	52,288,031
38	Carbonated beverages	185	2,827	8,281,387	14,870,549	33,114,192	49,064,509
39	Castings, iron	53	4,153	14,733,941	23,337,525	25,188,283	47,384,025
40	Concrete products	200	3,206	9,812,483	23,375,029	22,291,007	46,895,724
	Totals, leading industries, listed²	7,710	310,850	1,020,396,374	2,795,614,093	2,182,504,854	5,087,711,385
	Totals, all industries	12,112	446,137	1,396,414,564	3,605,521,666	2,888,148,758	6,622,502,699

¹ Reported on a production basis.² Sugar refining is also a leading industry. Statistics, however, are confidential.

SECTION 4. THE MANUFACTURES OF ONTARIO

The manufacturing industries of Ontario in 1956 reported \$10,555,098,620 as the selling value of factory shipments, an increase of 10.3 p.c. over the previous year. This is the first time that shipments passed the ten billion mark and accordingly are the highest on record. Accompanying the increase in shipments was an increase of 4.5 p.c. in the number of employees which totalled 641,190 in 1956. Although the selling value of factory shipments in 1955 and 1956 exceeded the previous high reported in 1953 by 20 p.c., the number of persons employed was only 6,636 or 1.0 p.c. higher. This result conforms to the trend in recent years for employment to increase at a lower rate than volume of production. With the increase in automation and technological improvements this trend should continue at a more accelerated pace. Indicative of this trend is the increase since 1949 for Canada as a whole of 31.8 p.c. in the volume of production as compared with an increase of only 15.5 p.c. in the number of persons employed. Since indexes of volume of production are not available by provinces no comparison can be made for Ontario. There is no doubt, however, that the volume of production in Ontario in 1956 was the highest on record.

As Ontario is a major producer of durable goods, such as transportation equipment, primary iron and steel, telecommunication equipment and heavy electrical machinery, it therefore experiences wider fluctuations in manufacturing production than provinces producing nondurable or consumer goods. As a result, the small downturn of 1954 was more keenly felt by Ontario manufacturers. Factory shipments in that year were 3.9 p.c. lower as compared with a drop of 1.3 p.c. for Canada as a whole, while in employment the drop in Ontario was 5.6 p.c. while for Canada it was 4.5 p.c. Conversely, with the improvement during the past two years Ontario in 1956 reported an increase of 24.9 p.c. in factory shipments and 7.1 p.c. in employment as compared with 1954. This compares with increases of 23.3 p.c. and 6.7 p.c. for Canada as a whole.

Ontario, which is now recognized as one of the world's major industrial areas, accounts for approximately half of Canada's manufacturing production. Here, the proximity of raw materials, cheap hydro-electric power, and a strategic location in relation to export markets, not only on this continent but overseas, have been the decisive factors in the development of Ontario to its present industrial position. Most of the manufactures of the province and most of its population are located in Southern Ontario. This area has the inestimable advantage of bordering on the St. Lawrence-Great Lakes waterway system which gives access westward to the heart of the continent and eastward to the shipping routes of the world, and which is also the source of most of Ontario's hydro-electricity. Many new industrial areas are being created as new industries and branch plants of established industries are increasingly being located in the smaller towns.

Despite the great industrial progress made by other provinces, Ontario continues to maintain its predominance and in 1956 produced about 49 per cent of the nation's manufactured goods. A vast increase of steel ingot capacity is being made possible by developments at Steep Rock Iron Mines. At Sarnia, huge investments have gone into the construction of new plant for a whole group of new products based on Alberta oil flowing through the Edmonton-Superior pipe line. Other significant developments are taking place in synthetic rubber, synthetic textiles, and industrial and consumer chemicals. Ontario has continued to gain in such traditional lines as motor vehicles, industrial and farm machinery, and the manufacture of household equipment. The same may be said of other "hard" goods like business and office machinery and electrical apparatus and supplies. Numerous plants making aircraft components and building materials have favoured the Toronto area, while chemical and synthetic textile plants have been rising in the vicinity of Sarnia and along the lower reaches of the St. Lawrence River Between Cornwall and Kingston.

Ontario has the greatest diversification of manufacturing production of any province. Certain industries, such as the manufacture of motor vehicles, motor vehicle parts, heavy electrical machinery, agricultural implements, machine tools, starch and glucose, bicycles and the processing of raw tobacco are carried on practically in this province alone. Of the forty leading industries in Canada in 1956, a substantial number of them were dominated by Ontario's share of the total production. These industries, with the percentage which the production of each bears to that of the 1956 Canada totals are as follows: motor vehicles 98.8, motor vehicle parts 95.4, heavy electrical machinery 89.7, rubber goods 81.5, primary iron and steel 78.1, telecommunication equipment 76.7, iron castings 71.9, fruit and vegetable preparations 67.4, sheet metal products 59.7, wire and wire goods 58.4, aircraft and parts 58.1, industrial machinery 57.4, printing and bookbinding 57.3, brass and copper products 55.1, miscellaneous chemical products 54.6, acids, alkalies and salts 53.0, boxes and bags, paper 52.0, miscellaneous electrical apparatus 50.6, furniture 49.7, printing and publishing 48.7, synthetic textiles 44.9, and stock and poultry feeds 44.3.

There are also a number of medium-sized industries with a total Canadian production of over \$100,000,000 in which Ontario dominated. Agricultural implements with 90.5 p.c., soaps and washing compounds 88.5 p.c., household and office machinery 80.0 p.c., refrigerators, vacuum cleaners, etc. 79.3 p.c., hardware, tools and cutlery 72.3 p.c., heating and cooking apparatus 68.7, and confectionery 57.2 p.c. were in this category.

In addition Ontario dominated many of the smaller industries in 1956 as is indicated by the following percentages of the Canadian total. In this category were: machine tools 100.0, tobacco processing and packing 93.8, bicycles and parts 92.9, non-ferrous metal products 92.3, prepared breakfast foods 90.5, automobile accessories, fabric 88.6, wine 88.1, typewriter supplies 86.5, leather tanneries 84.3, artificial abrasives 83.8, cordage, rope and twine 77.5, sporting goods 76.0, carpets, mats and rugs 75.7, batteries 73.1, white metal alloys 72.8, jewellery and silverware 71.9, toys and games 71.5, wool yarn 70.2, feed mills 69.9, aluminum products 64.8, animal oils and fats 61.3, boilers, tanks and plate work 55.3, knitted goods, other than hosiery 47.9, hosiery 44.3, etc.

Establishments reporting in 1956 numbered 13,215. They furnished employment to 641,190 persons who were paid \$2,310,334,396 in salaries and wages, and spent \$5,583,753,088 for materials used. The value added by manufacture which is the calculated value of production less the cost of materials used, including the cost of fuel and electricity, amounted to \$4,868,570,251, while the selling value of factory shipments totalled \$10,555,098,620.

The value added is obtained by subtracting the cost of materials, including fuel and electricity, from the gross value of products. The difference represents the value added to the materials by labour. It is this difference which the employer of labour uses to pay for the labour itself, the overhead expenses, interest and profits.

To calculate the value of production, it is necessary to adjust the value of shipments for the difference in the opening and closing inventories of finished goods and goods in process. As the census of industry schedules for 1952 and 1953 did not contain data on opening and closing inventories, no calculation can be made directly for value of production. For these two years, therefore, the value added is obtained by subtracting from the shipments the cost of materials, including fuel and electricity. The value thus obtained is somewhat different to the actual value. Beginning with 1954 it is again possible to obtain value of production figures, by adding to the value of shipments the changes in the inventory of finished products and goods in process. The figures for value added since 1954 are, therefore, comparable with 1951 and prior years.

TABLE 10 Principal Statistics of the Forty Leading Industries, of Ontario 1956

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 vehicles	9	34,239	146,427,948	691,146,202	293,018,027	976,395,839
2	Non-ferrous metal smelting and refining	9	10,985	47,779,018	300,682,938	233,785,554	554,055,630 ¹
3	Primary iron and steel	18	25,654	122,151,730	239,452,056	271,173,067	531,684,074
4	Pulp and paper	41	20,316	91,289,800	188,607,881	227,429,017	441,628,702
5	Petroleum products	13	5,480	26,206,838	214,388,049	130,759,078	357,663,026 ¹
6	Slaughtering and meat packing	55	9,050	34,674,321	259,163,528	71,161,876	332,270,861
7	Motor vehicle parts	116	20,096	77,735,398	170,269,794	146,647,126	314,359,075
8	Rubber goods, including footwear	48	16,191	61,228,450	131,739,169	160,856,206	289,917,252
9	Machinery, heavy, electrical	53	21,524	88,050,963	102,757,112	149,083,838	234,826,366
10	Aircraft and parts	24	19,868	83,964,069	90,764,813	112,784,782	206,140,322 ¹
11	Miscellaneous electrical apparatus and supplies ..	99	11,846	43,792,121	105,982,193	97,081,939	199,296,354
12	Machinery, industrial	199	14,884	58,168,311	83,573,849	112,795,141	189,129,281
13	Telecommunication equipment	87	14,141	48,068,638	106,947,987	89,184,545	187,796,572
14	Sheet metal products	196	11,914	45,269,455	97,323,294	80,644,750	176,746,722
15	Castings, iron	92	11,238	44,811,331	90,009,054	85,264,991	175,425,420
16	Fruit and vegetable preparations	196	10,518	27,019,988	98,383,729	68,127,594	168,448,987
17	Butter and cheese	435	7,371	23,289,441	108,385,356	37,837,876	149,641,307
18	Printing and publishing	292	14,455	57,514,583	41,488,660	105,944,540	148,546,386
19	Furniture	750	16,071	48,514,237	71,754,730	75,818,420	147,883,962
20	Brass and copper products	87	5,368	20,575,710	92,894,966	40,439,412	134,380,898
21	Miscellaneous food preparations	110	4,598	15,541,193	85,865,402	46,423,486	133,449,970
22	Bread and other bakery products	849	15,000	41,769,848	60,786,551	63,282,436	128,404,739
23	Printing and bookbinding	787	13,319	45,417,696	48,260,677	78,539,003	127,157,891
24	Boxes and bags, paper	106	7,988	26,542,918	76,611,310	48,720,201	125,459,373
25	Miscellaneous chemical products n.e.s.	126	5,110	20,454,971	56,821,390	61,057,157	123,684,015
26	Refrigerators, vacuum cleaners and appliances	56	7,543	27,816,756	59,177,399	65,385,621	118,501,819
27	Railway rolling stock	12	6,268	24,043,600	72,620,287	42,007,232	115,658,339 ¹
28	Hardware, tools and cutlery	284	10,939	39,373,343	44,161,133	71,854,079	115,247,984
29	Agricultural implements	28	8,861	33,686,124	58,215,977	46,659,425	111,059,789
30	Miscellaneous paper goods, n.e.s.	109	6,858	22,987,164	61,613,827	44,826,387	107,441,315
31	Machinery, household, office and store	46	6,623	24,009,686	51,697,020	52,849,315	102,657,248
32	Acids, alkalies and salts	25	4,701	20,700,570	42,729,113	52,623,051	102,509,807
33	Feeds, stock and poultry, prepared	342	2,998	8,093,784	73,562,280	22,982,500	97,808,676
34	Soaps, washing compounds and cleaning prep- arations	68	3,031	12,535,500	40,875,170	55,754,121	96,798,597
35	Wire and wire goods	73	6,153	24,354,384	50,420,668	44,447,045	93,668,886
36	Flour mills	44	1,792	6,054,182	74,263,823	12,604,808	87,497,208
37	Breweries	21	3,342	14,933,441	22,369,678	62,808,904	86,719,251
38	Heating and cooking apparatus	60	5,976	22,271,554	47,007,139	39,807,767	84,917,640
39	Clothing, men's factory	143	10,429	26,135,167	40,860,104	39,900,041	80,155,925
40	Bridge and structural steel work	25	5,253	22,847,100	33,985,874	40,936,569	75,675,460 ¹
	Totals, leading industries	6,133	437,991	1,676,101,331	4,387,620,182	3,583,306,927	8,030,710,968
	Totals, all industries	13,215	641,190	2,310,634,396	5,683,753,088	4,868,570,251	10,655,098,620

¹ Reported on a production basis.

SECTION 5. THE MANUFACTURES OF THE PRAIRIE PROVINCES

The leading industries of the Prairie Provinces are those based on agricultural resources—grain-growing, cattle-raising and dairying areas. Next in importance, generally, are industries providing for the more necessary needs of the resident population, such as the baking of bread, printing and publishing, etc. The extensive railway services require large shops for the maintenance of rolling-stock, especially in the Winnipeg area. The widespread use of motor vehicles and power machinery on farms has given rise to petroleum refineries in each province. This industry has made tremendous strides in the Prairie Provinces since 1949. At that time it ranked third in importance, being outranked by slaughtering and meat packing which was then in first place and by flour mills which ranked second. In 1956 it assumed the premier position in the Prairie Provinces in selling value of factory shipments. Of greater significance is the fact that it has increased its proportion of the total manufacturing production of the Prairie Provinces from 8.5 p.c. in 1949 to 16.5 p.c. in 1956. Manitoba, as the early commercial centre of the prairies, has had a greater industrial development than either of the other provinces. Its natural resources of accessible water power, forests and, more recently, minerals, have given rise to quite a diversification of industrial production. In Saskatchewan, while the main economic role continues to be played by agriculture, both oil and mineral wealth are being developed.

Considering the Prairie Provinces as an economic unit, petroleum products, as was mentioned before, had the largest value of factory shipments in 1956, amounting to \$272,367,057, followed closely by slaughtering and meat packing with \$264,886,950, flour mills \$99,572,619, butter and cheese \$94,256,235 and railway rolling stock \$50,364,723. These five industries accounted for about 47 p.c. of the total value of factory shipments of the Prairie Provinces. Other leading industries, in order of value of factory shipments and with shipments of \$15,000,000 or more were: bread and other bakery products, printing and publishing, breweries, bridge and structural steel, men's factory clothing, sash, door and planing mills, miscellaneous food preparations, furniture, sawmills, sheet metal products, concrete products, printing and bookbinding, sugar refining, hydraulic cement, prepared stock and poultry feeds, pulp and paper, primary iron and steel, and carbonated beverages. Non-ferrous metal smelting and refining is also a major industry in the Prairie Provinces. Information concerning it cannot, however, be published without disclosing the operations of individual establishments.

In water-power resources, the Prairie Provinces are not so well endowed as the more highly industrialized provinces of Quebec, Ontario and British Columbia. At the end of 1956 power installation in the three Provinces totalled only

1,191,745 h.p. or about 6 p.c. of the Canadian total. Manitoba had 796,900 h.p., Saskatchewan 109,335 h.p. and Alberta 285,010 h.p. With the present developments of natural gas and oil, the Prairie Provinces, will in large measure be able to overcome a lack of water-power resources which is so vital to industrial development. Manitoba has more water-power resources and has developed them to a greater extent than either of the other Prairie Provinces. Practically all the developed sites are located on the Winnipeg River. These supply not only Winnipeg and its suburban areas but, also more than 400 municipalities and a large part of rural areas of southern Manitoba where farm electrification is a primary objective. In Saskatchewan, water-power development is confined to the northern mining districts. The southern portions of Saskatchewan and Alberta are lacking in water-power resources but have fuel reserves. In Alberta, present developments are located in the Bow River basin and serve Calgary and numerous other municipalities between the International Boundary and the area north of Edmonton.

In the Prairie Provinces, the nature of developments vary from one province to another. Alberta has moved to the forefront, especially since 1950. There the emphasis has been more on the manufacture of machinery and equipment for the burgeoning oil and gas industries. Chemicals, and especially petrochemicals, have made striking gains; second in terms of new growth, they now embrace various rayon intermediates and polythene plastics, as well as fertilizers and the manufacture of other new inorganic products like caustic soda and chlorine. Sizeable gains have been made by the expansion of food-processing plants and the construction of still more factories for making building materials.

Developments in Saskatchewan, by contrast, have continued along more or less traditional lines. The largest gains, for instance, have been recorded in food processing. The manufacture of building materials, including non-metallic mineral products and lumber, has also increased. However, the largest

single gain in employment has been in the refining of prairie oil for local use.

Although Manitoba experienced considerable development in manufacturing production since 1949, it did not, percentage-wise, keep pace with the other two Prairie Provinces. The change was not so much in the magnitude but rather in the nature of manufacturing production. The emphasis has shifted from the production of food and clothing to the production of products of mineral origin, such as iron and steel, non-metallic mineral products and products of petroleum and coal. There was also a wider diversification of products as is evidenced by the increase of 258 employees in the miscellaneous group. For manufacturing as a whole the increase in the number of persons employed totalled 865. The largest increase of 768 was reported by the iron and steel group. The non-metallic mineral products group with 511 reported the second largest increase, followed by electrical apparatus and supplies with 416, products of petroleum and coal 344, miscellaneous industries 258 and paper products 167. Only three groups reported major declines in employment: foods and beverages 704, clothing, including knitting mills 577 and wood products 170. The foods and beverages group which in 1949 accounted for 25 p.c. of the employment in manufacturing, accounted for only 23 p.c. of the total in 1956. The foods and beverages group with 9,922 employees was still in first place in 1956 as an employer of labour. This was followed by transportation equipment with 6,604, clothing 5,728, iron and steel products 5,542, printing and publishing 3,793 and wood products 3,033. These six groups accounted for 31 p.c. of the manufacturing employment in Manitoba.

According to Table 1, manufacturing establishments in 1956 numbered 4,303 for the Prairie Provinces as a whole. These plants furnished employment to 91,149 persons who received \$290,384,459 in salaries and wages. They also shipped goods with a selling value at the factory of \$1,648,781,413 and spent \$955,034,201 for materials, while the value added by manufacture totalled \$669,475,007.

Principal Statistics of the Prairie Provinces, 1956

Province	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	number			\$'000		
Manitoba	1,534	42,821	133,506	367,025	270,018	647,389
Saskatchewan	798	11,536	36,683	176,871	113,528	298,203
Alberta	1,971	36,792	120,195	412,138	285,831	703,189
Total	4,303	91,149	290,384	956,034	669,477	1,648,781

In spite of the rapid development in the Prairie Provinces since 1939, manufacturing production did not keep pace with the developments in the more industrialized provinces of Ontario, Quebec and British Columbia. This is indicated by the slight drop in the Prairie Provinces' share of the Canadian total from 8.13 p.c. in 1939 to 7.91 p.c. in 1953. In 1954 conditions were reversed. The Prairie Provinces reported an increase of 1.4 p.c. in the value of factory shipments as compared with a decline of 1.3 p.c. for Canada as a whole. As a result of this the Prairie Provinces' share of the Canadian

total was again 8.13 p.c., the same as in 1939. In 1955 and 1956, however, the situation deteriorated again with the percentage of the total dropping to 7.52.

According to the table below, Manitoba and Saskatchewan did not keep pace with manufacturing developments in Canada as a whole. Alberta on the other hand fared much better. Compared with 1949 employment increased by 39.2 p.c. and value of factory shipments by 89.0 p.c. This compares with increases for Canada as a whole of 15.5 p.c. and 73.4 p.c. respectively.

Variation in Employment and Factory Shipments, 1956 Compared with 1949

Province	Employees	Earnings	Selling value of factory shipments
	per cent		
Manitoba	+ 2.1	+ 55.1	+36.4
Saskatchewan	+ 6.4	+ 61.3	+38.2
Alberta	+39.2	+118.1	+89.0
Prairie Provinces	+15.1	+ 77.1	+55.2
Canada	+15.5	+ 76.3	+73.4

TABLE 11. Principal Statistics of the Leading Industries of Manitoba, 1956

No.	Industries	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Value of factory shipments
		number			dollars		
1	Slaughtering and meat packing	13	3,196	11,834,164	76,670,429	24,416,035	101,465,534
2	Petroleum products	5	512	2,544,659	32,193,237	19,805,919	53,941,998 ¹
3	Railway rolling stock	4	4,956	17,396,498	17,285,936	15,871,178	33,661,632 ¹
4	Butter and cheese	69	1,273	3,647,253	21,071,352	6,438,077	28,014,515
5	Flour mills	7	579	1,669,470	20,906,966	4,129,988	25,141,602
6	Clothing, men's factory	53	2,809	6,173,404	13,690,442	9,750,837	23,361,450
7	Miscellaneous food preparations	23	564	1,843,288	14,460,279	5,176,756	19,889,457
8	Furniture	126	1,787	5,098,222	10,573,864	7,924,888	18,832,860
9	Printing and publishing	78	1,951	6,040,072	5,102,583	11,962,789	17,154,605
10	Pulp and paper	3	582	2,597,630	5,725,724	9,734,993	16,696,382
11	Bread and other bakery products	144	1,785	4,873,406	7,009,939	7,776,206	15,357,512
12	Clothing, women's, factory	24	1,521	3,883,420	7,232,409	5,343,306	12,597,053
13	Sheet metal products	26	1,026	3,339,609	7,123,296	5,759,599	12,560,115
14	Breweries	6	598	2,482,849	2,269,158	9,228,241	11,617,482
15	Printing and bookbinding	82	1,249	4,009,438	3,352,189	6,804,511	10,250,733
16	Boxes and bags, paper	10	603	1,943,546	5,832,725	3,338,683	9,084,247
17	Feeds, stock and poultry, prepared	36	244	655,020	6,015,539	1,764,985	7,845,762
18	Agricultural implements	15	490	1,492,451	4,972,987	2,515,440	7,508,539
19	Miscellaneous iron and steel products	11	682	2,471,468	4,158,690	4,114,227	7,435,050
20	Bags, cotton and jute	3	207	539,739	5,245,724	1,113,084	6,337,598
21	Paints, varnishes and lacquers	5	251	708,784	3,115,581	2,624,393	5,716,591
22	Carbonated beverages	22	373	1,115,368	2,085,750	3,441,450	5,673,275
23	Concrete products	11	310	954,984	3,175,106	2,009,391	5,194,459
24	Other leading industries ²	10	3,866	14,591,115	27,165,377	41,545,401	72,804,795
	Totals, leading industries	786	31,414	101,905,857	306,435,282	212,590,377	528,143,246
	Totals, all industries	1,534	42,821	133,505,971	367,024,766	270,017,554	647,389,185

¹ Reported on a production basis.² Includes; Aircraft and parts, Bridge and structural steel work, Cement, hydraulic, Gypsum products, Non-ferrous metal smelting and refining, Primary iron and Steel, and Sugar refining.

TABLE 12. Principal Statistics of the Leading Industries of Saskatchewan, 1956

No.	Industries	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Value of factory shipments
		number			dollars		
1	Petroleum products	10	1,218	5,330,747	54,342,324	28,408,987	86,090,448 ¹
2	Flour mills	9	752	2,543,293	35,569,638	6,119,615	42,062,532
3	Slaughtering and meat packing	8	1,160	4,138,668	22,192,975	8,982,156	31,334,254
4	Butter and cheese	57	1,266	3,543,465	20,625,949	7,035,601	28,017,342
5	Bread and other bakery products	98	1,151	3,137,686	4,592,918	5,492,188	10,406,524
6	Breweries	5	345	1,402,380	2,036,931	7,304,965	9,576,313
7	Printing and publishing	96	1,175	3,488,611	2,279,660	6,394,607	8,824,671
8	Sash, door and planing mills	33	417	1,211,688	2,227,843	2,060,403	4,290,522
9	Carbonated beverages	24	238	660,060	1,499,054	2,333,238	3,992,141
10	Sheet metal products	6	267	815,412	2,788,219	1,149,889	3,918,958
11	Sawmills	164	430	596,450	1,196,787	1,252,213	2,519,096 ¹
12	Concrete products	19	205	640,901	1,318,687	1,165,659	2,350,174
	Totals, leading industries listed above²	529	8,624	27,509,361	150,670,985	77,699,521	233,382,975
	Totals, all industries	798	11,536	36,683,383	176,871,188	113,627,642	298,203,489

¹ Reported on a production basis.² Non-ferrous metal smelting and refining is also a leading industry. Statistics, however, are confidential since there are less than three firms reporting.

TABLE 13. Principal Statistics of the Leading Industries of Alberta, 1956

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	Petroleum products	17	2,041	9,280,495	76,445,714	51,877,453	132,334,611 ¹
2	Slaughtering and meat packing	15	3,961	14,182,645	105,710,535	26,383,993	132,087,162
3	Butter and cheese	98	1,901	5,452,281	28,709,749	8,754,907	38,224,428
4	Flour mills	11	720	2,080,789	26,365,279	6,078,967	32,368,485
5	Sash, door and planing mills	112	1,832	5,244,067	12,977,672	8,047,384	21,218,632
6	Sawmills	603	2,641	4,958,395	9,516,569	10,469,675	20,503,303 ¹
7	Bread and other bakery products	144	1,881	5,303,927	7,383,661	9,385,836	17,235,493
8	Breweries	6	547	2,065,007	3,285,162	11,880,754	15,449,414
9	Bridge and structural steel work	5	951	3,717,179	8,710,245	6,564,428	15,339,895 ¹
10	Printing and publishing	79	1,398	4,428,370	3,617,345	10,567,876	14,275,493
11	Concrete products	35	754	2,592,014	7,649,347	5,829,374	13,834,482
12	Acids, alkalies and salts	3	409	2,159,755	2,881,619	7,350,508	10,286,183
13	Cement, hydraulic	3	440	1,685,190	1,680,734	6,799,124	9,715,485 ¹
14	Miscellaneous food preparations	14	266	784,101	6,121,753	2,655,399	9,100,670
15	Feeds, stock and poultry, prepared	47	272	752,214	6,501,688	2,097,839	8,622,220
16	Machine shops	70	889	3,365,519	3,085,070	5,334,916	8,534,374
17	Sheet metal products	18	568	1,694,120	5,067,856	3,741,842	8,363,548
18	Clothing, men's, factory	10	803	1,903,758	4,421,535	3,554,775	7,742,121
19	Printing and bookbinding	82	940	3,076,336	2,194,359	4,601,936	6,864,197
20	Furniture	81	687	1,920,022	3,380,028	3,242,737	6,644,039
21	Boxes and bags, paper	6	342	1,229,932	3,864,969	2,562,001	6,415,870
22	Boilers, tanks and platework	10	340	1,264,092	3,903,373	2,868,696	6,295,085
23	All other leading industries ²	10	3,942	15,045,089	32,894,207	31,190,626	62,234,867
	Totals, leading industries	1,479	28,325	94,185,297	366,368,469	231,841,046	603,690,057
	Totals, all industries	1,971	36,792	120,195,105	412,138,247	285,830,811	703,188,739

¹ Reported on a production basis.² Includes: Fertilizers, Non-ferrous metal smelting and refining, Primary plastics, Railway rolling stock, and Sugar refining.

SECTION 6. THE MANUFACTURES OF BRITISH COLUMBIA

British Columbia, with factory shipments valued at \$1,859,368,466, 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.

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, however, British Columbia with 42 p.c. of the Canadian total holds the dominant position, outranking both Ontario and Quebec which account respectively for 25 and 22 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 \$397,934,856, and pulp and paper second with \$184,525,395. Third in importance was the petroleum products industry with factory shipments valued at \$123,235,472. 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 6.6 p.c. in 1956. In fourth place was veneer and plywood with \$87,532,253 while in fifth place was fish processing, based principally on the estuarial salmon fisheries. This industry was in third place in 1953. British Columbia accounted for approximately 48 p.c. of the output of the fish processing industry in 1953 and plays a large part in making Canada the largest fish exporting nation in the world. Other important industries are: sash, door and planing mills, slaughtering and meat packing, miscellaneous food preparations, shipbuilding, fertilizers, printing and publishing, butter and cheese, fruit and vegetable preparations, bridge and structural steel, etc. The non-ferrous metal smelting and refining industry also ranks high among the leading industries. Information, however, cannot be published as there are less than three smelters located in the province.

A feature of recent progress has been that new developments are taking place in areas far removed from accepted industrial centres. Growing 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 two and one-half times the pre-war figure. In dollar terms, gross value of manufacturing is also up 550 p.c. since 1939. The consumption of 5.5 billion kwh of electric power by manufacturers during 1955 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 1953 totalled 2,566,460 h.p., out of a Canadian total of 18,403,048 h.p., is exceeded only by Quebec and Ontario. Present developments are practically all located in the southern part of the province in the Fraser and Columbia River Basins. The Aluminum Co. of Canada is making excellent progress in its great Kemano-Kitimat scheme, involving diversion of the head-waters of the Fraser River through the coastal range by a ten-mile tunnel to an underground powerhouse. The highlight of hydro-electric construction in 1955 was the completion of the first stage of this project. The first four turbines, each of 150,000 h.p. were brought into operation. A fifth unit of 150,000 h.p. is scheduled for completion in 1957, and the ultimate capacity is expected to be about 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 90,000 tons of aluminum per annum, with a potential of 550,000 tons, a production which will further strengthen Canada's position as an important source of this vital metal.

Manufacturing establishments reporting in 1956 numbered 4,393. These plants furnished employment to 108,595 persons who received \$393,869,388 in salaries and wages. They also shipped goods with a selling value at the factory of \$1,859,368,466 and spent \$1,007,882,346 for materials, while the value added by manufacture totalled \$824,249,273.

The manufacturing industries of British Columbia expanded during 1954, at a time when the rest of Canada experienced 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 the value of shipments. British Columbia was the only province in 1955 reporting 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. Of all provinces British Columbia reported the greatest increase in employment and value of factory shipments. Since 1953 employees were 15.7 p.c. higher as compared with an increase of only 1.9 p.c. for Canada, while the value of factory shipments were 36.0 p.c. higher for British Columbia and 21.7 p.c. for Canada as a whole.

TABLE 14. Principal Statistics of the Leading Industries of British Columbia, 1956

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	1,746	30,295	102,513,109	213,771,245	178,630,187	397,934,856 ¹
2	Pulp and paper	12	7,386	35,248,286	79,557,505	97,235,818	184,526,395
3	Petroleum products	5	1,307	6,507,873	72,415,680	47,475,305	123,235,472 ¹
4	Veneer and plywood	17	6,050	22,301,157	45,810,977	42,792,191	87,532,258
5	Fish processing	55	3,334	10,171,347	46,879,193	42,912,348	81,979,253
6	Sash, door and planing mills	221	4,002	13,248,196	52,398,688	23,487,412	76,412,294
7	Slaughtering and meat packing	12	1,555	6,003,952	44,503,876	9,559,586	54,667,475
8	Miscellaneous food preparations	42	875	2,560,020	37,974,817	9,487,612	47,398,782
9	Shipbuilding	22	4,643	19,752,840	11,633,194	30,183,071	42,290,932 ¹
10	Fertilizers	5	1,179	5,217,234	12,917,576	18,822,008	34,596,322
11	Printing and publishing	88	3,197	12,779,420	7,438,267	23,523,901	31,174,985
12	Butter and cheese	27	1,934	6,713,947	19,317,242	10,170,544	29,997,664
13	Fruit and vegetable preparations	66	2,249	5,087,999	17,437,498	9,453,243	28,452,269
14	Bridge and structural steel	4	1,784	8,154,984	15,310,939	12,760,455	28,311,242 ¹
15	Bread and other bakery products	290	3,034	9,019,406	12,396,058	14,324,066	27,573,172
16	Machinery, industrial	41	2,190	8,380,127	9,007,605	17,333,371	25,735,329
17	Sheet metal products	33	1,033	4,210,885	13,283,771	8,260,913	21,525,324
18	Furniture	225	2,196	6,418,602	10,686,850	9,301,588	20,350,518
19	Boxes and bags, paper	17	1,056	3,531,168	12,238,854	6,439,427	18,829,597
20	Feeds, stock and poultry, prepared	40	697	2,271,713	14,576,674	3,950,157	18,769,820
21	Breweries	9	639	2,598,540	4,044,499	13,176,487	17,845,474
	Totals, leading industries listed above²	2,977	80,635	292,690,805	753,601,008	629,279,690	1,399,139,433
	Totals, all industries	4,393	108,595	393,869,388	1,007,882,346	824,249,273	1,859,368,466

¹ Reported on a production basis.

² Non-ferrous metal smelting and refining is also a leading industry. Statistics, however, are confidential since there are less than three firms reporting.

SECTION 7. MANUFACTURING INDUSTRIES IN URBAN CENTRES

The prosperity of most of the cities and towns of Canada, especially in the east, is intimately connected with their manufacturing industries, which provide employment for a large proportion of their gainfully occupied population. In the west the cities are more largely distributing centres, though manufactures are rapidly increasing there also.

Table 15, indicating the extent to which the manufacturing industries of Canada are concentrated in urban centres, shows by provinces the proportion contributed by cities and towns having factory shipments of over \$1,000,000 each. In the more highly industrialized provinces of Ontario and Quebec such cities and towns in 1953 accounted for 78 p.c. and 94 p.c. respectively of the totals for those provinces, while for the Atlantic Provinces and British Columbia, where sawmilling, fish-packing, and dairying are leading industries, the propor-

tions are 69 p.c. and 49 p.c. respectively. In the Prairie Provinces manufacturing is confined to a few urban centres.

During the past few years there has been a noticeable trend for manufacturing plants to locate in rural areas adjacent to incorporated cities and towns. This trend is revealed by a study of the percentages in the table below during the past few years. In 1956 for Canada as a whole 79.3 p.c. of the shipments were made by cities and towns with factory shipments of \$1,000,000 and over, as compared with 85.9 p.c. in 1953. Toronto is a good case in point. In 1953 Toronto accounted for 72.0 p.c. of the total shipments of York County and the rural areas for 12.2 p.c., while in 1953 Toronto's share dropped to 50.3 p.c. with the rural areas increasing to 23.9 p.c. The same trend is apparent in other manufacturing centres. This accounts for the changes that have taken place during the past few years in some of the provinces and for Canada as a whole.

TABLE 15. Cities and Towns Each with Selling Value of Factory Shipments of Over \$1,000,000, Number of Establishments and Total Shipments in such Urban Centres as a Percentage of the Grand Total, by Provinces, 1956

Note. Statistics published in this table are in some cases higher than the figures published in Table 18, 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 18 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	6	146	80,506,515	123,691,344	65.1
Prince Edward Island	3	63	17,209,481	24,497,245	70.3
Nova Scotia	26	507	247,045,562	384,398,103	64.3
New Brunswick	17	335	236,598,702	313,280,599	75.5
Quebec	187	8,197	6,238,944,938	6,622,502,699	94.2
Ontario	187	9,267	8,283,074,138	10,655,098,620	77.7
Manitoba	13	1,134	546,603,403	647,389,185	84.4
Saskatchewan	9	403	235,731,004	298,203,489	79.1
Alberta	16	936	471,661,108	703,188,739	67.1
British Columbia	34	2,301	904,675,269	1,859,362,466	48.7
Yukon and Northwest Territories	—	—	—	5,130,497	—
Canada, 1956	498	23,289	17,262,050,120	21,636,748,986	79.8
Canada, 1955	482	23,618	15,704,708,812	19,513,933,811	80.5
Canada, 1954	472	23,869	15,045,342,071	17,554,527,504	85.8
Canada, 1953	471	23,652	15,393,546,062	17,785,416,854	86.9

TABLE 16. Principal Statistics of the Manufacturing Industries of the Six Leading Manufacturing Cities of Canada, 1939-56

City and Year	Establishments	Employees	Salaries and wages	Cost at plant of materials used	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
1948	3,887	180,098	368,191,470	841,048,938	1,550,246,090
1949	4,136	184,779	399,943,526	847,444,669	1,596,713,694
1951	4,137	183,436	449,279,943	1,026,220,450	1,849,153,995
1952	4,283	187,396	496,270,442	1,041,585,029	1,960,826,915 ²
1953	4,398	193,129	544,284,191	1,067,911,378	2,042,662,785 ²
1954	4,415	184,684	539,119,575	1,050,160,663	1,987,217,589 ²
1955	4,379	176,998	529,339,811	1,021,717,306	1,963,367,235 ²
1956	4,289	182,759	582,256,675	1,175,253,762	2,207,686,246 ²

See footnotes at end of table.

TABLE 16. Principal Statistics of the Manufacturing Industries of the Six Leading Manufacturing Cities of Canada, 1939-56 — Concluded

City and Year	Establish- ments	Employees	Salaries and wages	Cost at plant of materials used	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
1948	3,683	154,197	335,142,822	804,970,396	1,475,761,819
1949	4,005	158,562	368,510,524	837,148,440	1,579,186,450
1951	3,796	151,333	415,206,705	991,268,163	1,763,192,114
1952	3,825	149,020	439,286,411	945,304,350	1,790,369,192 ²
1953	3,781	154,251	478,086,271	980,873,073	1,875,747,249 ²
1954	3,728	145,792	470,046,860	945,614,031	1,810,860,959 ²
1955	3,497	134,235	448,775,761	916,493,539	1,732,099,123 ²
1956	3,411	133,758	470,860,187	962,271,402	1,797,706,145 ²
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
1948	526	53,370	124,016,143	259,800,537	519,132,345
1949	546	54,665	137,641,333	285,180,403	563,982,920
1951	560	58,841	174,296,725	391,412,980	755,546,928
1952	575	59,257	190,167,980	385,701,709	781,596,810 ²
1953	566	60,451	201,515,979	385,515,852	824,407,315 ²
1954	580	54,199	189,099,943	341,555,746	752,353,730 ²
1955	588	55,202	200,311,361	395,047,070	844,835,085 ²
1956	585	58,742	232,166,085	498,410,570	987,728,987 ²
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
1948	271	32,729	85,354,165	231,706,777	413,749,890
1949	283	34,591	94,304,627	271,392,923	494,162,203
1951	297	34,865	112,076,215	351,697,300	626,292,546
1952	330	36,628	130,027,457	377,637,512	646,949,316 ²
1953	338	37,514	140,481,193	402,209,586	682,273,319 ²
1954	353	30,210	112,816,841	263,143,564	474,634,211 ²
1955	334	25,654	101,810,378	186,275,443	374,512,418 ²
1956	336	24,091	96,798,387	186,300,126	369,790,090 ²
Winnipeg:					
1939	648	17,571	20,717,273	44,873,043	81,024,272
1944	686	25,870	38,824,299	119,917,745	198,169,626
1948	765	27,906	54,379,965	157,379,778	264,022,796
1949	860	28,687	58,604,162	143,827,270	255,006,806
1951	849	27,704	65,741,785	167,583,852	292,496,767
1952	843	28,162	70,744,396	160,844,930	296,263,701 ²
1953	860	28,230	76,008,218	156,860,845	300,186,774 ²
1954	864	26,887	74,628,593	150,352,336	288,602,394 ²
1955	873	26,392	75,281,647	152,575,494	291,084,611 ²
1956	869	26,629	80,891,909	163,808,668	309,520,043 ²
Vancouver:					
1939	829	17,957	22,382,192	56,565,511	101,267,243
1944	933	43,473	79,141,407	142,416,371	289,390,718
1948	1,136	33,815	75,300,519	211,726,521	360,749,092
1949	1,225	33,536	78,793,345	204,642,985	358,620,526
1951	1,255	34,376	96,222,111	270,748,863	461,594,390
1952	1,275	33,296	102,163,999	248,964,894	437,663,057 ²
1953	1,316	33,822	108,896,725	255,906,780	448,591,543 ²
1954	1,335	33,916	114,114,199	273,058,336	486,913,181 ²
1955	1,330	34,683	120,488,180	276,666,483	489,181,449 ²
1956	1,299	36,052	131,540,861	299,290,344	534,658,163 ²

¹ Net value is derived from gross value by deducting cost of materials, fuel and electricity. For cost of fuel and electricity in 1956 see Table 18.
² Since 1952 the basis of collection was "Selling Value of Factory Shipments" instead of "Gross Value of Products".

TABLE 17. Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, Grouped According to the Number of Employees per Establishment, 1956

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	1,394	3,276	7,371,419	437,336	21,893,588	37,102,400
5 to 14 employees	1,426	12,173	32,471,518	1,438,076	81,779,934	144,099,537
15 " 49 "	1,284	34,620	93,092,186	4,054,011	218,758,592	396,399,768
50 " 99 "	424	29,284	81,708,453	3,415,041	184,855,490	351,743,910
100 " 199 "	224	30,765	90,971,232	5,891,523	280,233,011	473,725,983
200 " 499 "	123	38,555	122,435,756	11,673,546	330,852,873	634,136,531
500 " 999 "	48	32,928	120,020,972	20,903,008	623,348,631	963,299,083
1,000 " 1,499 "	10	12,099	47,656,780	3,808,826	110,737,688	225,485,926
1,500 and over	14	48,821	191,924,837	4,619,353	259,838,725	559,520,790
Not classifiable	127	—	—	—	917,585	1,121,573
Head Offices ¹	—	7,443	40,050,683	—	—	—
Totals	5,074	249,964	827,703,886	56,240,720	2,113,216,117	3,786,635,501
Toronto Metropolitan Area:						
Under 5 employees	1,257	2,940	6,821,305	465,429	13,188,624	26,687,968
5 to 14 employees	1,345	11,630	34,577,260	1,706,632	69,632,207	131,598,896
15 " 49 "	1,204	32,653	103,007,298	4,417,747	212,238,947	416,972,454
50 " 99 "	341	23,601	77,408,934	4,327,746	200,605,718	360,234,627
100 " 199 "	212	29,876	101,054,798	5,323,013	236,557,886	450,194,562
200 " 499 "	127	39,628	144,129,446	7,209,315	285,870,806	578,002,511
500 " 999 "	37	24,561	95,193,577	4,007,337	135,920,219	312,539,014
1,000 " 1,499 "	13	16,750	65,558,653	2,874,380	166,473,923	276,071,500
1,500 and over	9	20,365	84,763,945	3,109,865	205,089,391	368,508,104
Not classifiable	159	—	—	—	2,719,797	3,611,303
Head Offices ¹	—	5,356	31,314,908	—	—	—
Totals	4,704	207,860	743,830,124	33,441,464	1,528,297,518	2,924,420,939
Hamilton Metropolitan Area:						
Under 5 employees	234	543	1,141,222	109,222	2,212,156	4,339,095
5 to 14 employees	176	1,535	4,538,129	313,635	6,708,902	14,735,992
15 " 49 "	134	3,735	12,407,414	1,039,824	22,325,782	46,591,826
50 " 99 "	59	4,234	14,049,994	1,079,334	47,195,211	78,306,388
100 " 199 "	34	4,899	16,497,588	1,048,264	51,798,462	84,380,910
200 " 499 "	42	12,630	44,263,390	3,862,628	105,361,314	203,207,232
500 " 999 "	7	4,501	17,681,209	1,127,754	45,918,390	83,889,229
1,000 " 1,499 "	6	6,707	25,293,848	1,818,151	51,926,966	95,396,649
1,500 and over	5	23,258	106,487,396	19,141,859	187,257,001	418,780,616
Not classifiable	10	—	—	—	89,243	89,666
Head Offices ¹	—	276	926,380	—	—	—
Totals	707	62,318	243,291,570	29,540,671	520,783,427	1,029,717,603
Windsor Metropolitan Area:						
Under 5 employees	135	300	700,842	74,174	1,038,682	2,308,418
5 to 14 employees	109	932	2,918,437	177,830	5,642,241	11,440,868
15 " 49 "	68	1,842	6,069,942	410,358	10,664,825	23,823,288
50 " 99 "	30	2,152	8,386,516	387,762	15,099,188	33,521,557
100 " 199 "	16	2,192	8,536,912	834,074	16,850,761	33,308,079
200 " 499 "	20	6,055	23,925,652	2,364,673	42,979,545	98,872,414
500 " 999 "	6	—	—	—	—	—
1,500 and over	2	21,967	91,021,423	4,433,574	237,418,458	410,114,923
Not classifiable	9	—	—	—	26,089	30,860
Totals	395	35,440	141,559,724	8,682,445	329,719,889	613,420,407
Winnipeg Metropolitan Area:						
Under 5 employees	346	765	1,591,072	112,129	2,749,322	5,868,386
5 to 14 employees	274	2,312	5,928,021	486,184	14,458,638	26,306,678
15 " 49 "	203	5,528	15,499,789	871,234	36,276,673	65,091,310
50 " 99 "	104	7,088	21,056,593	1,164,720	56,582,317	98,552,563
100 " 199 "	49	7,049	20,487,679	2,112,338	59,239,182	103,930,033
200 " 499 "	18	4,907	17,176,554	2,897,757	38,859,659	73,320,026
500 " 999 "	5	3,691	13,222,234	486,987	47,439,580	75,356,013
1,000 " 1,499 "	2	—	—	—	—	—
1,500 and over	2	6,070	21,411,158	701,836	48,013,768	76,555,946
Not classifiable	58	—	—	—	216,061	231,831
Head Offices ¹	—	157	1,104,618	—	—	—
Totals	1,061	37,567	117,477,718	8,833,185	303,835,200	525,212,786
Vancouver Metropolitan Area:						
Under 5 employees	593	1,374	3,028,937	241,809	5,603,698	11,690,194
5 to 14 employees	530	4,532	13,112,222	786,425	24,284,928	47,248,673
15 " 49 "	364	9,861	33,827,815	2,017,017	92,170,919	158,965,513
50 " 99 "	114	7,756	27,859,877	1,566,001	68,234,692	122,790,338
100 " 199 "	63	8,688	31,950,662	1,899,710	91,280,293	156,928,127
200 " 499 "	32	9,937	37,978,579	3,373,758	144,562,104	239,164,511
500 " 999 "	12	8,607	33,755,551	1,491,772	66,155,611	133,324,155
1,000 " 1,499 "	2	—	—	—	—	—
1,500 and over	1	4,153	17,616,450	496,342	17,353,939	48,098,874
Not classifiable	57	—	—	—	297,791	373,947
Head Offices ¹	—	1,345	7,837,129	3,542	17,097	—
Totals	1,768	56,253	206,967,222	11,876,376	509,961,072	918,584,332

¹ Under this heading are included only those head offices which are not located at the plant.

TABLE 18. Statistics of Manufactures of Municipalities, each with Selling Value of Factory Shipments of \$1,000,000 or Over, and with Three or More Establishments, 1956

Note. Statistics for cities and towns with three or more establishments cannot be published when one establishment has 75 p.c. or two establishments 90 p.c. of the total Value of Shipments.

Municipality	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	
Newfoundland:						
Carbonear	9	145	323,978	28,736	657,406	1,077,564
Harbour Grace	8	436	741,161	48,601	1,178,446	2,568,642
St. John's	102	2,326	6,212,498	571,287	12,760,402	26,539,993
Prince Edward Island:						
Charlottetown	35	634	1,567,124	171,160	7,167,094	10,519,422
Souris	9	218	348,404	60,226	1,309,993	1,980,649
Summerside	19	246	508,943	64,129	3,682,665	4,709,410
Nova Scotia:						
Amherst	23	1,211	3,532,695	311,589	5,701,688	11,760,394
Antigonish	11	107	176,510	22,654	632,095	1,009,223
Berwick	9	253	539,527	77,159	2,189,332	3,291,274
Bridgetown	8	115	265,014	40,135	753,831	1,497,575
Bridgewater	14	141	316,409	31,259	904,495	1,665,902
Dartmouth	17	248	636,385	57,985	1,091,091	2,740,391
Glace Bay	16	179	322,641	54,399	650,848	1,273,297
Halifax	146	6,471	18,378,785	1,163,336	31,660,942	64,669,332
Hantsport	6	398	944,938	200,697	2,343,816	4,322,755
Kentville	9	143	344,838	35,907	578,263	1,182,267
Liverpool	7	266	671,571	78,223	894,408	2,161,860
Lockeport	3	243	420,429	45,181	992,206	1,639,455
Louisburg	4	314	623,142	68,537	1,683,442	2,792,322
Lunenburg	16	732	1,831,814	115,747	4,436,528	7,242,274
Mahone Bay	9	150	324,132	18,994	553,143	1,266,492
Middleton	7	148	257,355	41,704	893,830	1,419,039
New Glasgow	29	898	2,462,593	409,457	4,459,577	8,387,348
North Sydney	13	288	691,757	53,497	1,344,794	2,625,983
Pictou	9	513	1,313,320	48,080	2,160,333	3,869,333
Shelburne	17	200	404,774	25,432	1,048,825	1,659,965
Sydney	42	5,311	20,094,682	4,222,968	37,848,272	70,468,813
Trenton	8	1,507	4,640,557	593,269	18,106,725	30,481,680
Truro	42	1,066	2,049,867	175,260	4,528,638	8,533,011
Windsor	13	316	597,657	55,169	2,225,843	2,888,438
Yarmouth	28	709	1,438,275	150,187	3,664,477	7,138,883
New Brunswick:						
Campbellton	12	121	304,479	66,526	676,323	1,452,383
Fredericton	38	886	2,027,815	193,368	4,216,907	8,000,950
Grand Falls	17	97	180,181	54,915	1,370,366	1,139,436
Lancaster	8	484	1,439,745	114,371	3,083,594	8,373,374
Moncton	53	2,859	9,231,244	641,499	22,583,840	36,484,935
Newcastle	11	472	1,674,499	483,128	4,258,456	5,301,252
Saint John	98	4,201	10,846,944	1,538,568	47,253,017	71,528,528
St. Stephen	14	448	913,838	78,326	1,686,487	3,278,183
Shippegan	8	220	319,273	25,780	1,097,786	1,475,821
Sussex	15	257	623,501	75,838	2,291,175	3,578,807
Woodstock	14	118	241,353	41,873	940,097	1,440,524
Quebec:						
Acton Vale	13	1,053	2,326,536	100,093	5,720,576	9,670,566
Amqui	16	224	525,481	46,273	1,145,789	1,969,050
Ayer's Cliff	7	97	178,885	12,370	692,617	1,039,411
Beauceville East	10	141	311,283	12,915	593,940	1,141,341
Beauharnois	17	1,642	5,757,457	4,253,145	14,057,016	35,373,063
Beauport	14	377	920,467	71,205	2,387,128	4,152,076
Bedford	11	825	1,956,212	60,511	2,346,723	5,501,068
Beloil	13	149	347,626	26,701	472,590	1,074,224
Berthierville	18	659	1,482,028	156,253	2,667,729	6,566,258
Cabano	12	212	536,434	22,118	907,739	2,260,772
Cap-de-la-Madeleine	44	2,820	7,987,983	1,702,160	29,089,711	50,867,047
Chambly	7	137	273,027	17,574	813,464	1,272,311
Charlesbourg	14	97	236,723	15,804	915,776	1,397,379
Charny	6	149	285,593	23,540	722,848	1,346,743
Chicoutimi	37	560	1,443,405	118,333	3,340,510	6,231,249
Coaticook	20	994	2,265,203	121,649	4,905,872	9,083,466
Contrecoeur	14	354	677,329	24,499	959,602	2,154,239
Cowansville	10	1,662	4,852,285	411,070	9,025,947	16,249,789
Danville	8	124	297,578	92,020	916,332	1,417,611
Daveluyville	8	122	242,199	11,420	638,068	1,036,010
Disraeli	9	171	301,928	22,069	667,523	1,132,453
Dorion	10	186	353,710	15,038	917,119	1,570,585
Drummondville	57	5,997	16,879,119	1,531,706	30,753,463	66,129,986
Farnham	19	1,069	2,801,962	206,258	5,207,989	10,729,787
Fort Chambly	10	607	1,513,138	80,926	2,183,152	4,434,364
Giffard	17	244	611,674	56,686	1,582,006	2,839,195
Granby	89	5,650	15,246,459	899,002	31,672,470	66,429,225
Grand'Mère	32	2,803	8,145,447	1,793,735	15,442,424	34,521,544
Henryville	7	79	173,370	25,461	1,154,574	1,514,827
Hull	52	3,721	12,422,721	2,431,666	29,691,881	55,464,280
Huntingdon	13	576	1,799,816	181,937	5,583,054	8,534,000
Iberville	24	305	732,603	59,835	1,528,250	3,045,060
Jacques Cartier	30	3,113	12,326,679	568,416	15,543,543	40,990,259

TABLE 18. Statistics of Manufactures of Municipalities, each with Selling Value of Factory Shipments of \$1,000,000 or Over, and with Three or More Establishments, 1956 — Continued

Municipality	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	
Quebec — Concluded:						
Joliette	59	2,258	5,986,553	669,857	10,253,619	21,439,820
Lachine	75	12,705	50,525,519	1,922,211	93,705,650	186,507,045
Lachute	18	350	1,011,119	178,987	2,951,545	4,792,144
Laprairie	18	477	1,399,629	259,331	1,915,750	4,927,194
Lasalle	48	5,769	20,651,791	3,489,647	67,147,462	128,269,992
L'Assomption	16	606	1,606,887	112,478	4,344,747	7,003,911
Lennoxville	12	358	1,153,029	178,959	2,801,766	5,085,562
L'Epiphanie	14	270	677,197	50,207	1,557,080	2,692,186
Lévis	40	484	1,187,987	89,629	2,860,367	5,144,012
L'Isletville	10	357	939,700	43,630	1,342,164	2,868,729
Longueuil	28	1,146	3,100,899	101,441	4,409,195	8,455,794
Loretteville	30	560	1,161,233	32,716	1,928,438	3,730,118
Louiseville	20	1,712	3,983,437	401,409	6,783,155	12,595,570
Luceville	8	72	158,793	23,318	909,804	1,199,903
Magog	28	2,598	6,774,918	741,553	33,320,821	45,675,824
Maniwaki	14	102	249,458	30,111	717,258	1,303,956
Marieville	21	646	1,490,323	104,390	5,433,743	8,476,476
Matane	23	278	697,046	63,212	1,610,694	3,005,955
Mégantic	23	652	1,490,201	145,644	1,884,865	4,207,833
Mont-Joli	17	136	300,707	34,693	840,595	1,322,551
Mont-Laurier	18	315	695,990	46,865	1,513,649	3,235,213
Montmagny	42	1,382	3,429,846	228,008	7,454,133	13,295,574
Montreal	4,289	182,759	582,256,675	22,354,978	1,175,253,762	2,207,686,246
Montreal East	39	6,816	28,233,541	21,555,175	523,722,029	739,194,053
Montreal North	32	1,051	3,723,246	183,881	8,020,472	13,296,346
Montreal West	8	150	407,121	15,633	682,005	1,650,010
Mont Royal	38	6,317	20,301,708	600,980	57,714,357	101,077,840
Nicolet	16	335	755,550	91,998	2,253,267	3,797,561
Notre-Dame-de-Portneuf	16	611	1,812,706	425,376	3,517,993	6,838,005
Outremont	59	1,807	5,492,520	206,767	12,815,739	24,507,545
Pierreville	10	209	349,000	22,214	1,066,789	1,626,207
Plessisville	29	1,142	2,895,947	148,876	4,873,268	9,915,207
Pointe-aux-Trembles	15	363	982,929	79,354	3,083,936	4,994,567
Pont-Viau	10	222	480,553	26,900	820,796	1,600,900
Princeville	15	626	1,440,162	101,956	6,521,774	9,295,232
Quebec	441	15,990	45,625,222	6,486,802	104,513,307	204,229,664
Quebelieu	5	96	244,443	21,238	359,314	1,024,027
Richmond	11	542	1,294,821	43,846	2,378,099	4,552,747
Rigaud	13	149	282,945	22,469	552,626	1,057,585
Rimouski	33	419	1,177,595	72,241	1,890,700	4,046,780
Rivière-du-Loup	24	201	406,317	39,043	939,865	1,810,750
Rock Island	11	545	1,583,726	64,764	1,423,333	5,188,842
Rougemont	7	94	169,742	21,237	630,412	1,011,829
Rouyn	18	159	449,515	57,288	1,118,710	1,975,275
St-Agathe-des-Monts	16	101	235,695	32,047	546,458	1,025,161
St-Anselme	7	54	129,689	16,695	904,689	1,199,501
St-Casimir	17	235	419,311	34,821	1,234,096	2,084,560
St-Césaire	24	429	701,438	66,605	2,499,748	3,729,029
St-Charles	8	59	125,593	14,604	740,537	1,009,736
St-Eustache	17	116	262,742	39,369	1,312,310	1,884,301
St-Félicien	17	237	587,995	42,265	2,595,717	3,973,061
St-Félix-de-Valois	18	74	113,445	18,129	852,777	1,255,890
St-Gabriel-de-Brandon	27	584	988,612	49,044	1,582,635	2,932,080
St-Georges (Beauce Co.)	14	442	897,841	62,002	1,146,631	2,530,898
St-Germain-de-Grantham	7	52	89,793	47,314	1,476,195	1,821,783
St-Hyacinthe	79	4,319	10,664,251	727,283	31,100,859	49,041,488
St-Jacques	12	185	343,964	17,840	2,148,733	3,033,938
St-Jean	68	4,894	15,213,489	1,052,220	29,460,231	55,522,232
St-Jérôme (Terrebonne Co.)	57	3,410	8,885,173	628,693	14,538,877	29,518,478
St-Joseph-de-Beauce	10	182	373,920	26,418	463,467	1,195,013
St-Joseph-de-Sorel	8	1,587	5,788,665	521,006	4,247,000	13,216,671
St-Lambert	24	865	2,610,380	112,685	4,718,257	9,758,635
St-Laurent	76	15,581	59,690,514	2,047,819	67,710,105	176,384,616
St-Leonard-d'Aston	9	166	319,352	39,103	1,035,855	1,590,921
St-Marie (Beauce Co.)	19	882	1,946,082	320,402	5,408,966	10,178,029
St-Michel (de Laval)	92	1,473	4,516,846	430,072	10,745,400	19,999,993
St-Pie	14	217	446,361	66,171	1,369,980	2,240,141
St-Raymond	15	170	305,398	32,938	837,530	1,848,867
St-Rémi	15	432	1,099,872	82,631	4,420,128	7,101,525
St-Rose	9	167	403,470	24,226	1,156,198	2,325,281
St-Thécle	10	133	244,915	19,119	715,935	1,106,458
St-Thérèse	38	1,204	2,874,750	198,861	5,896,295	11,656,814
St-Tite	22	564	1,066,775	27,214	2,259,358	4,197,080
Shawinigan Falls	48	6,112	23,784,250	10,398,674	57,730,890	134,589,361
Shawville	10	109	235,324	34,326	1,414,564	1,917,200
Sherbrooke	121	8,101	22,561,997	1,536,580	55,196,938	101,606,618
Sutton	10	141	265,967	32,221	946,877	1,400,124
Terrebonne	18	628	1,749,834	99,645	3,537,898	6,776,602
Theftford Mines	38	457	1,156,852	133,187	1,416,213	3,879,146
Three Rivers	86	8,495	28,559,863	8,690,281	58,784,981	130,933,268
Thurso	9	400	1,009,997	24,473	2,463,342	3,551,207
Trois-Pistoles	15	233	521,150	40,282	2,687,450	3,734,682
Val d'Or	18	227	514,498	57,491	651,881	1,733,443
Valleyfield	39	3,750	10,732,016	833,441	22,225,808	42,179,770
Verdun	71	1,947	4,850,124	154,829	10,681,622	19,470,383
Victoriaville	61	2,958	6,793,323	304,730	13,550,641	24,773,717
Warwick	11	441	928,620	114,337	2,502,047	4,414,563
Waterloo	20	574	1,614,353	102,236	2,952,308	5,710,594
Westmount	38	1,908	6,198,735	457,877	6,856,062	18,384,680

TABLE 18. Statistics of Manufactures of Municipalities, each with Selling Value of Factory Shipments of \$1,000,000 or over, and with Three or More Establishments, 1956 — Continued

Municipality	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		
Ontario:						
Acton	20	1,090	2,979,324	303,599	6,945,471	11,892,782
Ajax	32	1,390	4,882,051	196,398	10,122,228	18,093,737
Alexandria	8	230	380,438	32,652	578,502	1,197,017
Alliston	10	122	277,809	23,030	736,017	1,267,953
Almonte	11	162	412,349	103,098	2,755,423	3,589,591
Amherstburg	14	779	2,460,693	681,686	4,784,100	13,661,869
Arnprior	19	1,067	2,991,828	170,426	4,636,873	9,799,637
Aurora	18	781	2,099,014	97,874	5,278,227	8,462,503
Barrie	37	1,568	4,965,828	318,923	14,892,594	27,267,760
Beamsville	8	128	278,552	28,894	624,470	1,166,113
Belleville	64	3,234	11,050,470	2,278,111	13,594,073	39,339,324
Bloomfield	7	143	242,787	21,133	937,281	1,604,600
Blyth	4	42	120,821	28,002	1,256,680	1,454,062
Bowmanville	16	913	3,228,658	204,394	5,868,723	14,440,015
Bracebridge	17	144	356,822	26,046	631,077	1,107,838
Brampton	39	1,588	4,690,447	340,423	10,292,609	20,775,560
Brantford	166	10,819	35,679,301	2,031,622	71,630,515	141,009,871
Brighton	11	223	541,386	35,147	1,581,662	2,562,759
Brockville	49	3,050	10,648,175	668,325	56,603,119	82,066,950
Burlington	24	765	2,137,097	122,899	5,126,959	9,117,848
Cambellford	20	380	1,085,177	90,333	2,764,294	4,446,887
Cannington	7	58	162,127	31,494	521,036	1,105,745
Carleton Place	12	444	1,226,285	75,041	2,092,468	3,919,205
Casselman	8	79	171,113	37,227	1,208,558	1,489,919
Chatham	75	3,971	14,796,271	1,169,267	81,756,518	108,998,112
Chesley	12	248	633,857	21,790	946,810	1,917,263
Clinton	11	161	364,033	29,888	700,720	1,339,317
Cobourg	31	1,079	3,579,178	246,141	8,394,552	18,213,336
Collingwood	21	980	2,913,434	137,850	5,808,067	9,761,570
Cornwall	50	4,616	14,695,510	3,026,648	24,312,285	56,256,395
Delhi	15	119	312,777	33,826	643,406	1,233,312
Desoronto	6	216	481,675	32,408	1,315,561	2,455,812
Dresden	9	120	301,107	70,730	1,378,876	2,627,131
Dundas	35	1,386	4,718,774	390,998	5,917,856	13,229,160
Dunnville	20	1,252	3,173,218	173,468	10,682,548	16,600,003
Durham	11	232	565,121	61,909	1,222,352	2,167,910
Eastview	24	454	1,543,520	98,885	6,466,956	9,286,272
Eganville	10	111	274,956	59,668	871,594	1,435,779
Elmira	21	624	2,029,045	215,057	6,381,649	11,321,839
Essex	11	346	1,044,629	111,269	1,751,045	4,030,884
Exeter	8	93	229,930	32,458	704,020	1,198,576
Forest	12	214	438,995	48,736	1,224,127	2,042,797
Fort Erie	27	831	3,104,568	100,835	7,479,239	13,474,589
Fort William	69	3,593	13,845,365	3,528,497	28,359,142	61,636,735
Galt	95	6,928	22,099,382	909,080	41,696,708	79,730,233
Gananoque	16	909	3,085,977	232,982	5,178,661	10,063,160
Georgetown	21	1,267	4,356,174	269,774	8,905,499	15,389,392
Glencoe	7	215	500,348	13,120	1,113,901	2,034,433
Goderich	17	488	1,326,700	203,176	3,285,382	6,569,315
Gravenhurst	8	324	963,280	52,831	1,549,027	3,282,448
Grimsby	18	490	1,150,619	89,510	2,372,494	4,572,211
Guelph	109	6,639	22,370,084	1,417,008	41,946,885	84,645,208
Hamilton	585	58,742	232,166,085	28,649,240	498,410,570	987,728,987
Hanover	22	854	2,581,825	116,527	4,212,300	8,037,677
Harriston	10	171	370,040	58,249	1,276,521	2,125,321
Hespeler	18	1,893	5,376,592	566,582	9,006,614	17,829,767
Huntsville	12	345	900,087	77,719	3,018,735	4,574,704
Ingersoll	25	1,146	3,639,559	225,772	9,827,033	15,738,355
Kemptville	10	98	282,613	64,744	2,203,651	2,943,742
Kincardine	13	357	835,173	81,136	1,151,874	2,337,630
Kingston	76	6,284	21,816,388	1,714,331	47,304,256	94,118,293
Kitchener	211	15,708	52,562,067	2,404,992	112,940,012	221,712,416
Leaside	51	8,325	30,553,396	1,182,500	67,401,162	132,605,940
Lindsay	35	1,545	4,392,662	382,918	7,430,862	16,307,997
Listowel	12	476	1,147,467	111,394	2,627,737	4,694,327
London	282	15,311	50,558,916	2,685,009	99,451,565	211,680,764
Long Branch	25	1,469	5,260,367	277,528	9,039,226	19,425,706
Markham	10	199	577,267	35,884	1,540,722	3,786,331
Meaford	18	477	1,185,025	93,858	2,380,264	4,725,858
Merriton	18	2,312	9,146,398	1,440,188	15,369,556	34,857,341
Midland	25	1,017	2,670,035	109,215	7,391,963	12,155,770
Mildmay	9	99	194,808	18,182	842,647	1,226,726
Milton	15	1,032	3,909,715	539,221	5,670,051	14,863,691
Milverton	11	174	421,835	27,210	760,603	1,438,380
Mimico	44	993	3,266,057	186,229	6,873,011	13,039,873
Mitchell	10	145	350,820	79,421	2,383,648	3,260,306
Morrisburg	7	93	224,017	13,516	632,331	1,072,830
Mount Forest	15	230	422,631	36,139	1,004,020	1,746,581
Napanee	16	426	1,217,163	125,622	2,391,377	4,996,111
New Hamburg	12	485	1,061,506	50,750	1,712,884	3,833,738
New Liskeard	13	618	1,883,996	94,754	3,279,152	5,918,168
Newmarket	21	1,063	3,252,225	168,746	5,616,042	12,398,549
New Toronto	48	7,794	32,082,448	2,160,181	107,042,854	196,959,953
Niagara (on the lake)	7	117	304,010	20,200	629,701	1,145,053
Niagara Falls	79	5,040	18,638,595	4,555,087	33,603,401	75,992,171
North Bay	24	544	1,690,778	129,610	3,457,653	6,522,570
Norwich	8	83	199,912	24,465	836,536	1,297,007
Oakville	46	1,700	5,919,909	327,715	11,892,882	25,567,050
Orangeville	14	165	375,636	38,549	1,020,547	1,694,769
Orillia	59	2,478	7,537,921	477,622	9,468,527	22,321,692

TABLE 18. Statistics of Manufactures of Municipalities, each with Selling Value of Factory Shipments of \$1,000,000 or More, and with Three or More Establishments, 1956 - Continued

Municipality	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		
Ontario - Concluded:						
Ottawa	315	10,550	33,875,042	2,456,808	52,013,225	119,651,176
Owen Sound	50	2,778	8,450,069	350,826	11,349,241	26,833,365
Paris	24	1,337	3,910,696	176,092	8,609,572	13,454,731
Pembroke	29	1,462	4,147,444	173,320	7,827,460	15,248,332
Penetanguishene	10	460	1,043,785	52,163	1,521,019	3,259,767
Perth	24	826	2,101,424	113,066	4,302,948	9,106,363
Peterborough	92	9,908	37,792,710	1,367,179	84,409,866	153,391,995
Petrolia	17	204	579,056	103,406	2,813,555	3,864,847
Pictou	14	189	340,779	36,754	871,200	1,571,024
Port Arthur	57	2,653	9,986,733	2,331,096	18,092,615	45,063,002
Port Dover	11	445	1,125,742	65,841	14,566,333	17,824,550
Port Elgin	8	190	394,935	21,098	672,819	1,225,094
Port Hope	25	1,379	4,938,319	391,302	48,789,885	58,734,168
Preston	37	2,949	9,267,743	341,331	12,604,088	27,025,243
Renfrew	25	977	2,690,390	172,940	5,499,979	10,015,971
Richmond Hill	14	167	496,621	44,337	2,642,959	3,626,413
Ridgetown	12	191	517,167	27,694	1,047,868	2,484,177
Riverside	8	154	503,115	45,168	1,267,620	2,154,918
St. Catharines	100	5,974	22,346,769	1,000,864	33,201,674	67,403,824
St. Mary's	12	562	1,936,276	1,569,943	6,143,295	14,119,224
St. Thomas	49	2,323	7,559,293	436,845	14,242,918	30,526,584
Sarnia	57	7,134	30,444,350	17,434,140	182,458,968	356,837,399
Sault Ste-Marie	52	8,845	40,560,759	9,163,169	77,733,384	168,320,295
Seaforth	13	269	592,666	33,891	1,121,970	2,053,344
Simcoe	32	1,397	4,537,671	319,794	25,772,071	36,075,297
Smith's Falls	28	702	1,828,892	168,945	3,451,521	8,803,035
Southampton	5	329	834,288	32,819	1,571,623	2,759,512
Stirling	8	117	244,948	12,615	759,098	1,132,738
Stratford	68	3,905	12,465,222	492,831	20,931,464	41,617,482
Strathroy	22	574	1,563,345	85,657	3,058,323	7,166,284
Streetsville	14	588	2,044,532	337,612	3,264,299	7,737,158
Sudbury	60	1,104	3,403,147	352,128	6,485,914	13,815,392
Swansea	18	935	3,469,054	322,570	7,618,329	14,756,212
Tavistock (Oxford Co.)	7	144	320,248	29,022	1,718,634	2,211,194
Teeswater	6	40	118,893	42,789	947,308	1,137,867
Thamesville	8	147	366,533	28,120	1,680,944	2,514,469
Thorold	23	1,594	6,230,557	1,859,815	12,364,352	24,965,154
Tillsonburg	25	1,001	2,603,235	311,996	11,931,892	17,327,092
Timmins	25	435	1,090,752	118,472	2,025,619	4,209,329
Toronto	3,411	133,758	470,860,187	19,997,349	962,271,402	1,797,706,145
Trenton	29	1,763	5,243,481	627,359	11,060,018	24,203,178
Tweed	10	156	367,429	17,223	711,121	1,195,990
Uxbridge	9	138	402,191	35,397	859,974	1,775,711
Walkerton	12	543	1,424,820	45,814	1,829,289	5,054,525
Wallaceburg	28	2,115	7,321,059	917,986	6,992,068	18,879,620
Waterford	5	113	228,075	15,101	700,267	1,124,487
Waterloo	66	3,080	10,043,821	529,641	17,634,129	49,705,271
Welland	55	3,361	12,030,503	908,258	17,933,438	39,429,552
Wellington	9	115	239,199	36,661	728,302	1,276,626
West Lorne	7	249	601,770	32,383	1,450,005	2,509,740
Weston	67	3,355	12,741,913	636,454	24,888,351	48,622,503
Windsor	336	24,091	96,798,387	5,453,651	186,300,126	369,790,090
Wingham	18	392	964,442	80,567	2,989,803	4,570,370
Woodstock	64	4,164	12,318,026	889,023	26,166,395	59,729,203
Manitoba:						
Brandon	44	938	2,740,347	404,368	10,811,256	17,205,035
Dauphin	14	74	163,457	24,371	829,126	1,183,782
Morden	9	173	333,794	50,712	728,054	1,541,145
Neepawa	10	113	324,070	105,954	698,927	1,416,723
Portage la Prairie	17	156	374,153	57,781	660,830	1,314,629
St. Boniface	96	4,917	17,009,972	1,909,880	104,335,130	139,879,052
St. James	29	1,933	6,060,475	224,681	7,851,907	19,288,843
Steinbach	11	201	395,003	34,420	794,739	1,557,068
Winnipeg	869	26,629	80,891,909	3,669,114	163,808,668	309,520,043
Saskatchewan:						
Hudson Bay	7	78	217,445	19,162	706,322	1,271,302
Melville	9	54	116,199	24,894	882,137	1,154,218
Moose Jaw	47	1,361	4,561,272	1,129,303	32,954,800	49,069,531
North Battleford	11	143	393,914	58,516	1,131,771	1,974,959
Prince Albert	33	796	2,595,554	234,224	9,478,825	15,482,743
Regina	143	3,558	12,178,078	2,837,981	50,369,302	90,518,613
Saskatoon	122	2,979	9,620,611	1,154,935	50,132,283	70,980,574
Swift Current	12	175	549,466	77,594	1,682,857	2,970,585
Yorkton	19	171	458,739	73,674	1,382,593	2,308,479
Alberta:						
Blairmore	10	109	307,760	24,576	1,639,557	2,490,728
Calgary	349	9,981	34,433,282	1,981,132	110,613,694	178,592,742
Camrose	7	57	177,723	23,282	753,653	1,049,426
Edmonton	383	11,850	38,670,424	1,914,705	124,357,166	202,341,246
Grande Prairie	16	308	748,305	120,097	1,258,140	2,651,146
Lethbridge	59	1,171	3,411,926	276,840	9,609,803	18,441,892
Lloydminster	7	118	411,911	42,309	1,288,016	2,906,142
Medicine Hat	39	1,081	3,015,703	197,797	12,870,789	19,179,216
Red Deer	26	330	938,932	82,996	3,419,978	6,425,687
Wetaskiwin	9	56	132,891	12,974	834,456	1,051,914

TABLE 18. Statistics of Manufactures of Municipalities, each with Selling Value of Factory Shipments of \$1,000,000 or Over, and with Three or More Establishments, 1956 — Concluded

Municipality	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		
British Columbia:						
Abbotsford	13	296	985,022	270,610	7,029,568	9,594,056
Armstrong	12	130	362,406	47,375	800,040	1,449,563
Burn's Lake	20	112	283,254	24,888	1,267,714	1,773,828
Campbell River	9	86	260,260	19,487	600,498	1,042,331
Chilliwack	22	301	805,678	90,700	1,766,051	2,965,204
Cranbrook	15	197	590,361	52,911	1,080,874	2,056,063
Dawson Creek	17	183	625,302	92,441	1,688,289	2,804,608
Enderby	17	130	348,438	33,044	534,695	1,073,789
Hope	8	118	336,408	24,949	552,195	1,151,274
Kamloops	35	508	1,431,308	119,116	3,396,472	6,399,236
Kelowna	36	778	2,264,218	124,044	3,749,657	8,235,414
Merritt	10	240	759,708	46,279	1,359,948	2,998,637
Mission City	13	216	754,307	65,808	1,555,484	3,143,603
Nanaimo	25	503	1,694,292	141,591	2,987,778	6,628,512
Nelson	27	336	973,450	82,627	1,728,638	3,648,011
New Westminster	111	6,286	23,194,681	1,605,502	62,687,765	110,956,033
North Vancouver	73	2,991	12,190,246	571,859	14,229,693	36,624,624
Oliver	10	164	476,934	31,960	822,131	1,700,680
Penticton	32	440	1,146,069	94,537	2,246,904	4,600,709
Port Alberni	18	1,897	7,330,355	318,660	19,711,124	35,846,120
Port Moody	8	762	2,679,076	91,960	8,375,205	11,604,313
Prince George	72	1,015	3,053,791	292,506	13,316,513	18,814,157
Prince Rupert	19	326	1,009,077	101,903	3,508,450	5,556,227
Quesnel	59	346	849,278	107,426	3,060,512	5,394,955
Revelstoke	17	124	338,462	44,967	378,325	1,073,853
Salmon Arm	11	192	519,528	36,375	1,001,988	2,038,018
Vancouver	1,299	36,052	131,540,861	6,326,318	299,290,344	534,658,163
Vernon	34	448	1,216,657	111,386	2,284,683	4,870,258
Victoria	203	4,648	16,800,472	948,662	30,103,571	62,764,764
William's Lake	32	231	606,717	58,221	1,941,812	3,370,424

TABLE 19. Principal Statistics of the Manufacturing Industries of Canada, by Counties and Census Divisions, 1956

County and Census Division	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		
Newfoundland:						
Division No. 1	203	4,193	9,403,792	890,792	18,762,438	37,931,259
Division No. 2	18	599	1,034,620	85,556	2,023,853	3,257,862
Division No. 3	30	613	908,148	133,621	2,037,674	3,613,853
Division No. 4	34	76	61,797	9,103	110,081	242,448
Division No. 5	44	2,541	11,227,858	4,382,812	18,403,788	45,967,402
Division No. 6	49	1,466	6,979,492	1,343,134	12,368,293	29,371,237
Division No. 7	181	507	430,062	84,448	762,462	1,611,244
Division No. 8	94	247	214,341	22,663	528,027	862,875
Division No. 9	125	254	199,235	24,795	448,120	817,884
Division No. 10	5	6	3,390	490	7,220	15,280
Totals	783	10,502	30,462,735	6,977,414	55,451,956	123,691,344
Prince Edward Island:						
Kings County	52	454	629,136	94,322	2,718,437	3,913,602
Prince County	60	501	821,888	99,536	5,986,497	7,607,939
Queens County	80	820	1,782,380	207,570	9,101,908	12,975,704
Totals	192	1,775	3,233,404	401,428	17,806,842	24,497,245
Nova Scotia:						
Annapolis	39	392	728,361	101,652	2,353,281	4,008,569
Antigonish	23	176	271,302	30,475	921,971	1,463,048
Cape Breton	119	6,269	22,106,289	4,432,179	41,876,309	78,153,354
Colchester	118	1,859	3,586,875	334,091	9,442,890	16,562,042
Cumberland	94	1,926	4,848,510	592,292	9,773,862	19,165,747
Digby	81	712	1,013,720	121,309	3,266,668	4,980,255
Guysboro	33	469	778,345	59,400	2,180,372	3,311,506
Halifax	245	8,624	25,526,136	3,904,070	76,386,787	133,817,193

TABLE 19. Principal Statistics of the Manufacturing Industries of Canada, by Counties and Census Divisions, 1956 — Continued

County and Census Division	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	
Nova Scotia — Concluded:						
Hants	62	1,093	2,324,539	482,710	5,721,338	9,771,191
Inverness	54	289	276,929	22,440	949,203	1,369,025
King's	73	784	1,551,318	229,643	6,537,493	9,719,633
Lunenburg and Queen's	165	2,945	8,108,443	1,504,440	16,659,313	36,341,710
Pictou	111	3,347	9,152,307	1,134,574	27,364,609	46,757,136
Richmond	28	299	546,140	64,379	1,687,092	2,782,474
Shelburne	56	706	1,185,252	121,551	4,176,305	6,248,893
Victoria	33	91	119,805	15,364	294,082	494,136
Yarmouth	68	956	1,824,239	195,752	5,187,494	9,452,191
Totals	1,402	30,937	83,948,510	13,346,321	214,779,069	384,398,103
New Brunswick:						
Albert	18	197	512,461	162,502	1,476,747	2,386,329
Carleton	52	579	1,051,904	149,677	3,509,055	5,527,277
Charlotte	57	2,261	4,262,921	445,616	8,944,891	16,680,684
Gloucester	103	2,123	6,193,434	1,980,536	16,005,481	31,542,765
Kent	50	423	509,548	70,997	2,692,450	3,351,536
Kings	48	495	1,268,963	714,540	3,193,950	7,049,477
Madawaska	48	1,289	4,539,365	1,445,347	11,984,364	29,691,554
Northumberland	73	1,074	2,799,936	582,038	7,540,311	10,626,550
Queens	33	265	589,194	250,351	898,686	2,282,963
Restigouche	50	2,292	8,807,317	4,639,655	23,290,153	44,394,057
St. John	129	5,198	13,976,226	2,464,657	57,195,016	92,106,428
Sunbury	9	41	57,899	3,559	117,460	240,117
Victoria	43	464	1,035,942	92,669	2,270,711	4,433,847
Westmorland	192	4,501	12,643,569	979,529	30,331,971	50,646,478
York	99	1,358	2,814,622	268,986	6,989,060	12,320,537
Totals	1,004	22,560	61,063,301	14,250,659	176,440,306	313,280,599
Quebec:						
Abitibi	174	1,527	3,243,227	366,866	9,807,339	16,461,721
Argenteuil	69	3,471	10,194,045	736,776	22,235,938	45,195,169
Arthabaska	148	4,472	9,945,766	589,608	25,588,218	42,792,265
Bagot	75	1,515	3,166,037	260,505	12,260,716	18,211,180
Beauce	178	3,014	6,133,368	665,727	14,867,572	27,804,051
Beauharnois	71	6,570	20,570,221	6,367,073	42,017,223	92,441,495
Bellechasse	76	347	562,029	72,732	3,666,313	4,843,065
Berthier	124	1,802	3,435,551	324,527	7,593,511	15,112,402
Bonaventure	81	596	897,749	118,810	2,896,762	4,644,472
Brome	36	267	482,418	59,872	1,845,139	2,990,355
Chambly	138	6,558	21,095,404	1,016,644	31,043,233	70,654,527
Champlain	243	8,598	25,348,306	5,486,124	73,181,893	133,317,058
Charlevoix Est.	37	592	2,115,509	1,032,913	4,518,844	10,849,523
Charlevoix Ouest	37	116	157,351	15,641	533,092	843,954
Chateauguay	39	592	1,318,148	139,522	4,688,672	7,725,710
Chicoutimi	186	11,763	47,878,536	23,798,518	147,183,555	317,895,476
Compton	71	1,639	4,812,572	1,344,792	13,060,395	24,099,904
Deux-Montagnes	63	338	639,806	96,257	2,583,657	3,885,206
Dorchester	122	542	923,473	176,676	5,713,561	7,830,857
Drummond	116	6,320	17,544,737	1,711,323	34,189,035	71,026,988
Frontenac	95	1,290	2,478,896	237,288	5,686,926	9,665,505
Gaspé Est.	93	1,157	2,934,659	1,098,806	8,455,547	14,588,920
Gaspé Ouest	29	469	1,166,577	669,942	8,571,940	26,335,655
Gatineau	53	241	490,742	54,593	1,927,422	3,253,755
Hull	68	6,901	25,545,520	9,301,556	56,311,273	114,066,960
Huntingdon	33	661	1,961,189	206,816	6,187,445	9,415,896
Iberville	44	456	1,123,894	112,392	3,328,160	5,743,888
Iles-de-la-Madeleine	24	528	570,041	58,925	2,154,161	3,330,195
Jésus Island	54	772	1,781,360	150,729	3,772,871	7,540,874

TABLE 19. Principal Statistics of the Manufacturing Industries of Canada, by Counties and Census Divisions, 1956 — Continued

County and Census Division	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		
Quebec — Concluded:						
Joliette	137	3,001	7,915,267	1,189,404	17,130,826	32,276,071
Kamouraska	82	542	924,919	88,625	3,329,963	4,979,981
Labelle	90	836	1,683,123	133,599	4,557,814	8,124,343
Lac-St-Jean Est.	74	2,531	10,204,571	5,000,819	29,700,577	74,675,748
Lac St-Jean Ouest	150	1,407	4,058,781	1,563,134	14,909,616	31,779,852
Laprairie	38	1,160	3,887,201	1,071,369	3,889,204	13,204,505
L'Assomption	71	2,628	7,312,111	518,597	38,694,744	47,163,214
Levis	104	3,847	11,035,026	579,103	16,790,908	28,621,306
L'Islet	92	827	1,781,590	114,925	4,189,965	7,557,662
Lotbinière	102	792	1,486,746	239,291	6,311,898	9,469,504
Maskinongé	74	2,213	4,892,129	477,796	9,913,963	17,383,119
Matane	71	734	1,772,122	106,112	3,746,286	7,180,346
Matapédia	67	464	922,197	84,587	2,708,356	4,298,531
Mégantic	133	2,140	4,919,893	342,320	8,927,570	17,883,387
Missisquoi	73	3,851	10,532,105	779,901	18,859,076	36,173,932
Montcalm	63	440	794,211	69,052	4,038,189	5,789,833
Montmagny	79	1,617	3,903,633	269,505	9,113,245	15,823,411
Montmorency No. 1	43	756	2,750,160	1,660,326	6,816,904	19,234,977
Montmorency No. 2	13	69	151,021	11,250	338,967	552,730
Montréal	4,948	243,894	807,781,767	55,295,061	2,084,275,629	3,719,658,248
Napierville	31	607	1,442,804	117,760	5,426,104	8,767,920
Nicolet	107	899	1,753,330	256,758	8,191,630	11,365,892
Papineau	80	1,934	6,337,707	1,763,387	17,782,684	34,166,125
Pontiac	43	425	1,002,631	78,129	3,785,464	5,612,219
Portneuf	164	3,135	10,165,617	4,142,192	20,579,132	46,235,668
Québec	614	20,514	56,363,556	7,293,736	129,560,745	249,837,560
Richelieu	76	5,405	17,599,557	4,450,236	13,962,608	47,347,427
Richmond	69	3,613	12,435,362	2,854,841	25,815,651	50,173,772
Rimouski	119	1,032	2,359,379	204,609	5,889,976	10,178,815
Rivière-du-Loup	106	704	1,404,668	148,456	5,898,861	8,784,367
Rouville	83	1,566	3,193,769	400,889	11,331,489	18,211,825
Saguenay	63	1,405	6,033,288	1,260,993	18,300,372	34,787,889
Shefford	161	6,858	18,358,269	1,147,006	40,515,112	81,782,426
Sherbrooke	144	8,553	23,888,297	1,726,850	58,302,877	107,300,209
Soulanges	24	111	208,868	20,118	830,306	1,166,311
Stanstead	95	4,616	11,452,731	987,225	42,750,348	64,597,043
St-Hyacinthe	143	5,053	12,226,547	861,791	36,134,365	56,803,666
St-Jean	88	5,220	15,897,686	1,167,255	32,193,036	59,732,220
St-Maurice	194	14,890	52,835,434	19,156,199	118,278,262	268,185,678
Témiscamingue	91	2,444	8,677,669	3,923,487	105,609,461	130,186,586
Témiscouata	72	682	1,443,300	71,876	4,134,620	6,941,297
Terrebonne	235	6,547	16,768,746	1,284,180	33,532,924	64,289,447
Vaudreuil	52	532	1,094,459	79,120	3,320,236	5,428,766
Verchères	71	1,478	4,411,871	1,328,227	13,469,035	26,841,441
Wolfe	53	653	1,163,782	353,889	2,352,363	4,654,515
Yamaska	53	398	669,533	104,417	3,459,892	4,725,889
Totals	12,112	446,137	1,396,414,564	181,050,355	3,605,521,666	6,622,502,699
Ontario:						
Algoma	108	10,026	43,741,225	9,387,258	85,157,965	181,258,249
Brant	220	12,732	41,428,396	2,360,509	85,097,817	163,641,731
Bruce	139	2,167	5,143,781	371,778	11,049,023	20,196,351
Carleton	384	11,682	37,748,876	2,646,095	60,881,464	134,254,057
Cochrane	90	4,417	17,766,859	3,592,107	37,147,873	96,097,368
Dufferin	33	251	540,170	88,402	1,933,541	2,863,714
Dundas	46	716	1,790,208	252,725	12,177,985	19,727,390
Durham	74	2,567	8,817,234	640,628	55,858,598	75,307,662
Elgin	98	3,153	9,538,703	676,384	33,640,859	55,290,956
Essex	505	39,181	152,840,818	10,183,182	372,610,873	691,963,548

TABLE 19. Principal Statistics of the Manufacturing Industries of Canada, by Counties and Census Divisions, 1956 - Continued

County and Census Division	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		
Ontario - Concluded:						
Frontenac	111	6,373	21,965,436	1,739,893	48,421,695	95,530,700
Glengarry	50	364	659,894	106,110	3,013,416	4,209,102
Grenville	58	2,508	8,244,783	1,626,108	30,982,071	52,173,430
Grey	176	4,797	13,683,646	767,127	23,461,939	47,717,386
Haldimand	57	1,901	5,345,981	738,880	17,858,434	30,273,699
Haliburton	24	314	748,769	59,082	1,365,630	2,576,187
Halton	170	11,202	41,205,884	2,734,140	246,628,623	331,724,069
Hastings	231	8,324	25,179,071	3,886,599	47,798,934	106,673,176
Huron	129	1,701	4,070,708	493,560	12,712,109	20,865,395
Kenora	77	2,193	8,158,410	1,758,424	23,490,817	43,038,739
Kent	197	7,499	26,281,324	2,604,657	97,068,178	144,459,911
Lambton	142	9,398	38,708,965	19,703,896	231,022,956	432,542,612
Lanark	123	2,671	6,744,047	598,573	14,738,778	29,839,362
Leeds	110	4,219	14,357,289	982,640	64,225,936	95,545,823
Lennox and Addington	55	1,301	4,085,814	696,231	8,809,790	14,731,542
Lincoln	212	16,070	59,752,476	4,513,307	102,152,575	210,350,940
Manitoulin	26	82	128,017	29,506	469,487	745,245
Middlesex	401	19,268	63,888,756	3,520,020	154,000,641	298,702,078
Muskoka	75	974	2,537,955	192,327	5,810,308	10,106,178
Nipissing	81	2,050	6,440,316	709,882	13,042,287	27,351,922
Norfolk	93	2,235	6,603,239	497,806	43,898,700	59,395,857
Northumberland	121	2,064	5,955,429	460,835	16,102,163	30,089,243
Ontario	202	18,457	75,164,876	3,438,492	307,512,687	482,293,301
Oxford	189	7,307	22,255,188	2,343,363	67,044,416	110,072,609
Parry Sound	92	1,205	3,172,936	327,887	6,428,716	14,507,829
Peel	150	19,459	81,004,759	6,986,163	141,273,340	293,923,887
Perth	151	5,456	16,781,020	2,393,602	38,674,974	72,303,903
Peterborough	138	10,173	38,378,002	1,459,809	86,375,560	156,428,323
Prescott	74	1,158	3,864,675	1,212,722	8,898,048	17,521,254
Prince Edward	58	729	1,341,441	177,513	4,944,841	8,050,028
Rainy River	44	1,078	4,593,483	1,323,363	9,496,986	21,117,503
Renfrew	186	4,803	13,102,239	1,384,182	26,192,005	52,090,021
Russell	51	190	379,699	103,091	3,435,877	4,155,998
Simcoe	239	7,032	20,191,012	1,211,607	42,852,269	80,447,723
Stormont	92	7,700	25,815,360	5,456,296	47,219,037	100,670,333
Sudbury	134	10,759	45,316,454	17,638,672	126,443,223	385,763,140
Thunder Bay	211	8,477	33,435,098	10,067,293	77,693,133	170,054,786
Temiskaming	85	1,374	3,947,234	326,101	7,078,950	13,553,058
Victoria	83	1,874	5,027,351	437,963	8,739,943	18,582,944
Waterloo	555	32,469	104,379,867	5,329,501	210,255,213	423,837,055
Welland	305	26,012	106,703,527	23,686,096	379,916,335	610,759,863
Wellington	215	8,673	28,269,568	1,854,206	55,505,899	107,277,496
Wentworth	681	61,241	239,969,865	29,371,480	513,020,795	1,015,570,535
York	4,864	211,164	753,438,263	34,207,873	1,552,119,376	2,966,873,409
Totals	13,215	641,190	2,310,634,396	229,355,946	5,683,753,088	10,655,098,620
Manitoba:						
Division No. 1	43	290	538,929	55,787	1,927,301	2,954,733
Division No. 2	43	374	785,992	133,790	3,133,138	4,965,725
Division No. 3	25	90	171,443	29,794	1,138,224	1,455,686
Division No. 4	10	92	231,455	41,905	628,002	1,118,296
Division No. 5	58	3,340	12,380,113	2,563,528	38,385,859	74,603,702
Division No. 6	1,012	32,757	101,423,340	7,992,066	277,248,161	471,807,510
Division No. 7	64	1,086	3,105,137	429,039	11,593,628	18,789,775
Division No. 8	19	86	196,209	39,973	1,114,586	1,517,550
Division No. 9	66	3,514	11,563,035	1,229,349	19,354,621	42,544,194
Division No. 10	17	131	357,129	111,088	1,034,802	1,824,950
Division No. 11	19	80	160,345	24,256	1,092,270	1,456,401
Division No. 12	25	99	211,045	62,427	1,204,653	1,580,053

TABLE 19. Principal Statistics of the Manufacturing Industries of Canada, by Counties and Census Division, 1956 — Concluded

County and Census Division	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		
Manitoba — Concluded:						
Division No. 13	25	129	260,959	39,331	1,204,517	1,758,043
Division No. 14	34	108	156,332	21,537	1,085,742	1,489,803
Division No. 15 and 16	74	645	1,964,508	728,409	6,879,262	19,522,764
Totals	1,534	42,821	133,505,971	13,502,279	367,024,766	647,389,185
Saskatchewan:						
Division No. 1	22	119	307,760	53,520	873,313	1,608,152
Division No. 2	11	64	163,110	28,300	395,536	805,597
Division No. 3	8	25	56,801	5,369	72,191	152,467
Division No. 4	10	40	83,726	13,836	196,616	335,345
Division No. 5	31	146	304,984	52,150	1,980,572	2,592,987
Division No. 6	159	3,656	12,432,461	2,864,846	50,956,890	91,333,928
Division No. 7	54	1,374	4,590,350	1,130,933	32,967,575	49,122,270
Division No. 8	17	186	571,661	80,198	1,707,119	3,030,847
Division No. 9	54	324	789,768	166,813	3,236,307	4,845,304
Division No. 10	12	64	125,388	20,170	876,412	1,140,085
Division No. 11	132	3,012	9,694,831	1,165,152	50,316,892	71,289,059
Division No. 12	9	39	115,441	11,237	205,276	419,809
Division No. 14	118	449	839,269	98,006	2,608,794	4,574,050
Division No. 15	65	1,010	3,085,487	284,760	10,563,768	17,371,518
Division No. 16	35	234	552,102	82,658	1,905,274	3,036,591
Division No. 17	28	114	236,886	30,845	930,065	1,388,938
Division No. 18 and 13	33	680	2,733,358	2,147,699	17,078,588	45,156,542
Totals	798	11,536	36,683,383	8,236,492	176,871,188	298,203,489
Alberta:						
Division No. 1	51	1,846	5,329,750	276,391	15,617,384	26,011,941
Division No. 2	101	1,911	5,315,434	589,876	21,033,193	35,347,614
Division No. 3	30	159	340,605	40,618	1,110,819	1,776,518
Division No. 4	15	134	438,171	133,017	1,304,643	3,683,501
Division No. 5	19	75	192,354	27,838	398,822	722,576
Division No. 6	458	11,204	38,796,306	3,619,262	129,645,635	216,497,544
Division No. 7	32	173	438,104	116,622	2,951,101	4,369,979
Division No. 8	170	832	1,906,967	202,623	7,286,497	12,200,144
Division No. 9	35	612	1,959,456	1,117,466	3,622,650	9,131,175
Division No. 10	72	664	1,998,815	541,943	10,099,248	16,329,908
Division No. 11	500	16,238	57,061,739	6,650,765	201,344,420	345,201,744
Division No. 12	77	478	1,130,723	137,056	2,965,183	5,958,011
Division No. 13	108	437	943,460	81,766	4,631,655	6,565,244
Division No. 14	144	609	1,106,002	115,398	3,389,954	6,080,147
Division No. 15	159	1,420	3,237,219	363,870	6,737,043	13,312,693
Totals	1,971	36,792	120,195,105	14,014,511	412,138,247	703,188,739
British Columbia:						
Division No. 1	129	1,601	5,041,899	1,017,664	11,840,845	24,764,370
Division No. 2	173	6,377	24,682,879	4,957,525	94,356,853	156,461,497
Division No. 3	353	4,210	11,611,139	984,508	22,739,995	45,699,559
Division No. 4	1,965	60,863	223,199,675	15,864,037	581,234,919	1,038,977,563
Division No. 5	434	14,755	56,623,108	6,615,709	124,548,285	249,541,544
Division No. 6	290	3,734	11,333,577	1,265,671	26,752,039	49,362,774
Division No. 7	31	3,692	17,145,325	3,350,319	30,380,597	82,676,876
Division No. 8	845	7,328	20,996,944	1,997,510	57,637,130	99,075,598
Division No. 9	60	5,482	21,871,665	6,380,071	55,109,872	106,870,049
Division No. 10	113	553	1,363,177	183,727	3,281,811	5,938,636
Totals	4,393	108,595	393,869,388	42,616,741	1,007,882,346	1,859,368,466
Yukon and Northwest Territories:						
Totals	24	175	681,433	188,560	3,867,415	5,130,497

APPENDIX I

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1956

MONTREAL METROPOLITAN AREA

Industry	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	
Foods and beverages:						
Bread and other bakery products	173	5,350	14,415,075	1,544,645	22,236,465	46,990,391
Biscuits	10	2,419	5,431,163	402,153	13,896,076	26,777,133
Butter and cheese	11	1,745	5,457,056	605,022	18,132,032	30,461,459
Confectionery	44	2,480	6,526,059	350,759	18,868,860	37,348,573
Dairy products other	4	177	564,969	73,328	1,678,404	3,456,801
Feeds stock and poultry, prepared	12	546	1,875,257	233,391	24,820,859	31,785,136
Fruit and vegetable preparations	35	994	2,346,298	226,394	11,300,577	16,198,659
Miscellaneous food preparations	61	2,425	7,810,604	637,202	68,843,115	101,384,695
Sausage and sausage casings	18	378	1,039,521	113,149	5,050,800	7,294,862
Slaughtering and meat packing	22	3,644	12,495,280	812,217	99,846,916	119,060,464
Carbonated beverages	29	1,189	4,203,365	433,504	6,943,419	27,583,416
All other industries ¹	27	7,268	28,287,035	2,705,650	123,572,630	217,226,956
Totals	446	28,615	90,451,682	8,137,414	415,190,153	665,568,545
Tobacco and tobacco products:						
Totals	16	5,615	19,502,937	307,401	65,405,098	122,919,163
Rubber products:						
Totals	16	2,415	8,870,588	350,689	11,141,574	24,588,284
Leather products:						
Belting, leather	5	81	258,511	11,921	319,824	687,832
Boot and shoe findings, leather	13	196	524,010	20,195	1,085,300	1,916,155
Footwear, leather	67	6,333	15,069,172	211,217	21,054,545	43,041,646
Gloves and mittens, leather	16	453	910,945	8,940	1,495,601	3,115,755
Leather tanning	4	121	382,056	38,381	723,136	1,359,541
Miscellaneous leather goods	92	2,179	4,668,164	88,838	5,741,180	12,448,417
Totals	197	9,363	21,812,858	379,492	30,419,586	62,569,346
Textiles:						
Awnings, tents and sails	17	306	765,620	37,117	1,869,676	3,343,086
Bags, cotton and jute	13	444	1,067,680	42,738	8,145,529	10,236,900
Cotton yarn and cloth	6	2,825	9,027,702	435,469	10,778,354	20,886,498
Dyeing and finishing of textiles	26	788	2,268,025	274,077	1,549,877	5,282,762
Embroideries, pleating and hemstitching	100	1,298	2,916,472	64,932	2,488,454	7,043,763
Miscellaneous cotton goods	7	194	585,359	79,702	1,705,980	2,895,804
Miscellaneous textiles	80	2,263	5,517,778	203,704	16,584,209	29,167,389
Narrow fabrics	20	593	1,566,418	55,883	2,891,193	5,798,883
All other industries ²	31	3,819	14,156,489	527,857	20,111,475	37,524,698
Totals	300	12,530	37,871,543	1,721,479	66,124,747	122,179,783
Clothing:						
Clothing, children's factory	119	4,956	9,716,988	151,312	23,450,558	39,857,942
Clothing contractors, men's	86	2,040	4,653,062	60,529	487,907	6,151,658
Clothing contractors, women's	68	1,233	2,402,515	29,250	187,223	3,267,081
Clothing, men's factory	257	10,490	27,745,136	309,825	68,665,481	112,279,157
Clothing women's factory	416	16,548	39,823,034	443,844	92,655,655	161,567,654
Corsets	14	869	1,555,402	14,315	2,323,699	6,048,982
Fur goods	233	2,216	6,752,831	115,139	23,240,828	34,159,553
Hats and caps	72	2,059	5,001,509	109,256	6,306,279	14,737,180
Oiled and waterproofed clothing	6	281	735,409	7,420	1,677,020	3,215,384
Miscellaneous clothing	42	784	1,616,911	27,207	3,675,940	6,227,290
All other industries ³	6	574	1,878,904	41,543	788,299	4,102,783
Totals	1,319	42,050	101,881,701	1,309,640	223,458,889	391,614,664
Knitting mills:						
Hosiery	23	1,594	4,073,640	125,466	4,782,523	11,540,976
Other knitted goods	53	2,437	5,138,676	118,214	13,224,154	21,323,395
Totals	76	4,031	9,212,316	243,680	18,006,677	32,864,371
Wood products:						
Boxes and baskets, wood	7	393	989,754	65,934	1,581,577	3,141,296
Cooperage	3	44	135,890	16,366	385,293	609,089
Furniture	317	6,323	18,037,280	630,661	30,648,916	61,243,224
Miscellaneous wood products	26	211	640,647	38,084	1,165,832	2,210,384
Sash, door and planing mills	72	801	2,273,368	133,246	6,521,900	10,858,344
Woodenware	3	23	62,182	2,911	113,379	184,532
All other industries ⁴	13	1,056	2,864,818	98,353	3,955,399	8,314,957
Totals	441	8,851	25,003,939	985,555	44,372,296	86,561,826

See footnotes at the end of table.

**Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto
Hamilton, Windsor, Winnipeg and Vancouver, 1956 — Continued**

MONTREAL METROPOLITAN AREA — Continued

Industry	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		
Paper products:						
Boxes and bags, paper.....	34	3,399	10,269,528	410,249	29,597,290	47,445,789
Miscellaneous paper goods.....	46	1,073	3,331,467	109,885	9,863,680	16,767,304
All other industries ⁸	7	2,346	12,091,560	590,928	7,933,897	15,692,203
Totals.....	87	6,818	25,692,555	1,111,062	47,394,867	79,905,296
Printing publishing and allied industries:						
Engraving, electrotyping and stereotyping.....	39	933	4,174,078	81,133	1,738,232	7,849,083
Lithographing.....	14	829	3,216,461	71,099	4,901,736	10,834,895
Printing and bookbinding.....	371	5,621	19,162,595	433,338	17,736,041	49,378,007
Printing and publishing.....	25	4,769	19,913,555	275,185	17,066,530	55,615,716
Publishing (only) of periodicals.....	307	2,471	7,373,571	—	13,094,840	31,770,076
Trade composition.....	9	347	1,362,543	18,071	141,352	2,207,206
Totals.....	765	14,970	55,202,803	878,826	54,678,731	157,654,983
Iron and steel products:						
Boilers, tanks and platework.....	15	1,622	6,517,177	220,606	9,134,952	19,072,624
Castings, iron.....	10	2,309	8,738,425	548,771	14,746,042	29,011,677
Bridgebuilding and structural steel.....	10	4,155	17,438,074	539,303	31,852,804	58,252,429
Hardware, tools and cutlery.....	60	2,241	7,573,692	314,165	9,508,131	25,802,691
Heating and cooking apparatus.....	12	1,058	3,792,415	135,805	6,775,186	13,119,702
Machinery, household, office and store.....	17	797	2,500,674	60,784	3,498,938	6,345,615
Machinery, industrial.....	31	5,787	23,539,867	708,837	29,954,066	66,610,780
Machine shop.....	64	1,072	3,796,452	163,545	2,539,563	8,066,696
Miscellaneous iron and steel products.....	70	1,209	3,884,445	149,248	4,977,563	11,179,479
Primary iron and steel.....	5	2,471	10,354,619	1,495,396	15,395,826	46,430,899
Sheet metal products.....	68	4,651	16,984,055	608,561	32,285,718	64,469,223
Wire and wire goods.....	30	2,852	11,451,699	594,929	27,639,870	47,023,588
Totals.....	392	30,224	116,571,594	5,539,950	188,308,639	395,385,403
Transportation equipment:						
Boatbuilding.....	5	26	60,666	2,711	79,480	158,088
Motor vehicle parts.....	19	320	1,049,298	77,323	1,745,770	3,540,934
Railway rolling stock.....	6	12,487	44,187,987	2,109,219	85,142,275	143,173,231
All other industries ⁸	29	15,921	65,670,614	1,492,213	59,569,933	167,793,741
Totals.....	59	28,754	110,968,565	3,681,466	146,537,458	314,665,994
Non-ferrous metal products:						
Aluminum products.....	12	1,318	6,121,853	37,024	971,106	2,292,268
Jewellery and silverware.....	77	1,347	3,305,630	50,987	4,847,610	11,214,245
White metal alloys.....	15	442	1,735,999	109,516	9,091,089	11,763,084
All other industries.....	41	3,708	13,994,491	1,718,127	240,099,911	277,726,467
Totals.....	145	6,815	25,157,973	1,915,654	255,009,716	302,996,064
Electrical apparatus and supplies:						
Machinery, heavy electrical.....	9	996	3,809,835	71,955	5,187,733	11,216,846
Miscellaneous electrical apparatus and supplies: ⁷	36	11,841	47,442,083	963,007	70,545,350	144,015,728
Refrigerators, vacuum cleaners and appliances.....	12	1,432	5,104,231	352,269	12,066,844	22,943,699
Telecommunication equipment.....	24	6,412	21,584,711	219,414	26,279,228	50,816,270
Totals.....	81	20,681	77,940,860	1,606,645	114,079,155	228,992,543
Non-metallic mineral products:						
Concrete products.....	49	2,060	6,784,312	1,038,032	16,933,553	33,888,539
Glass and glass products.....	29	2,523	8,802,726	2,011,680	8,141,052	24,161,135
Miscellaneous non-metallic mineral products.....	11	136	524,280	94,185	801,014	1,626,616
Stone products.....	12	169	599,527	45,939	684,952	1,638,982
All other industries ⁸	11	1,986	7,667,911	4,663,545	12,065,094	38,807,400
Totals.....	112	6,874	24,378,756	7,853,381	38,625,665	100,122,672
Products of petroleum and coal: ⁹						
Totals.....	11	3,518	16,178,176	17,523,972	281,347,102	457,581,257
Chemicals and allied products:						
Acids alkalies and salts.....	5	903	4,710,156	497,202	10,691,211	14,910,486
Adhesives.....	9	132	435,543	43,947	1,529,415	3,035,452
Gases, compressed.....	7	250	895,248	155,240	700,460	4,990,204
Inks.....	7	107	334,732	15,707	735,597	1,696,834
Medicinal and pharmaceutical preparations.....	72	3,275	11,324,138	331,006	15,352,406	51,058,723
Miscellaneous chemical products.....	50	1,177	5,475,303	174,764	5,704,632	11,980,933
Paints, varnishes and lacquers.....	28	2,263	8,618,569	250,401	19,225,740	37,336,608
Polishes and dressings.....	12	165	541,025	31,134	2,029,249	3,293,145
Primary plastics.....	4	629	2,790,036	129,760	6,504,600	9,008,797
Soaps, washing compounds and cleaning prepara- tions.....	34	454	1,379,021	113,928	3,485,697	8,158,134
Toilet preparations.....	29	825	2,335,057	44,820	5,506,343	13,718,768
All other industries ¹⁰	6	371	1,800,181	179,839	8,688,234	11,438,418
Totals.....	263	10,551	40,639,009	1,967,748	80,153,584	170,626,502

See footnotes at end of table.

**Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto,
Hamilton, Windsor, Winnipeg and Vancouver, 1956 - Continued**

MONTREAL METROPOLITAN AREA - Concluded

Industry	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	
Miscellaneous manufacturing industries:						
Artificial flowers and feathers	24	322	589,929	15,084	804,918	1,734,396
Brooms, brushes and mops	25	349	749,593	26,278	1,484,762	2,708,551
Buttons, buckles and fasteners	29	741	1,740,927	57,535	3,287,989	6,220,221
Candles	6	70	180,172	16,305	351,486	732,085
Clocks, watches and watch cases	16	115	369,992	10,028	1,398,650	2,271,825
Hair goods	4	32	84,569	2,454	338,159	451,857
Instruments and related products	17	1,557	5,582,024	82,019	7,298,378	15,640,384
Lamps, electric and lamp shades	35	654	1,445,908	39,322	3,236,187	5,644,258
Models and patterns (excluding paper)	9	63	265,738	6,982	103,451	531,489
Ophthalmic goods	4	66	172,784	7,566	185,129	443,859
Orthopaedic and surgical appliances	5	29	87,733	2,020	58,096	268,473
Other miscellaneous industries	8	353	1,018,136	35,581	1,568,718	3,883,921
Pipes, lighters and smokers supplies	4	32	73,757	5,353	84,762	231,897
Plastic products	37	628	1,821,290	106,835	5,324,714	10,292,943
Signs, electric, neon and other	45	620	1,987,090	100,951	1,454,466	4,861,771
Sporting goods	10	148	289,934	8,566	478,605	941,754
Stamps and stencils, rubber and metal	14	125	400,729	10,048	313,844	917,214
Statuary, art goods and regalia	29	246	586,240	26,845	483,631	1,341,658
Toys and games	10	477	1,243,463	66,666	1,973,583	4,036,272
All other industries ¹¹	17	662	1,676,023	100,228	2,733,632	6,683,977
Totals	348	7,289	20,366,031	726,666	32,963,160	69,838,805
Grand totals, Metropolitan Montreal	5,074	249,964	827,703,886	56,240,720	2,113,216,117	3,786,635,501

¹ Includes: Animal oils and fats, 1; breakfast foods, 2; breweries, 4; cheese, processed, 4; distilled liquors, 4; feed mills, 1; flour mills, 3; macaroni and kindred products, 5; sugar refining, 2; wines, 1.

² Includes: Automobile accessories, fabric, 3; cordage, rope and twine, 1; cotton thread, 6; miscellaneous woollen goods, 3; oilcloth, linoleum and coated fabrics, 9; synthetic textiles and silk, 4; woollen cloth, 2; woollen yarn, 3.

³ Includes: Fur dressing and dyeing, 5; gloves and mittens, fabric, 1.

⁴ Includes: Excelsior, 1; flooring, hardwood, 2; lasts, trees and shoe findings, 4; morticians' supplies, 2; veneers and plywoods, 1; wood preservation, 1; woodturning, 2.

⁵ Includes: Pulp and paper mills, 3; roofing paper, 4.

⁶ Includes: Aircraft and parts, 22; bicycles and parts, 2; motor vehicles, 1; shipbuilding, 4.

⁷ Includes: Batteries, 2.

⁸ Includes: Abrasive products, 1; asbestos products, 2; clay products from domestic clay, 1; clay products from imported clay, 3; cement, hydraulic, 1; gypsum products, 2; sand-lime brick, 1.

⁹ Includes: Coke and gas products, 2; miscellaneous products of petroleum and coal, 2; petroleum products, 7.

¹⁰ Includes: Coal tar distillation, 2; fertilizers, 2; vegetable oils, 2.

¹¹ Includes: Musical instruments, 2; fountain pens and pencils, 6; ice, artificial, 3; typewriter supplies, 2; umbrellas, 4.

The following Municipalities are included in Greater Montreal

Municipality	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	
Dorval	11	98	276,155	12,549	486,665	967,598
Jacques Cartier	30	3,313	12,326,679	568,416	15,543,543	40,990,259
L'Abord-à-Plouffe	9	108	258,583	21,206	395,801	897,916
Lachine	75	12,706	50,525,519	1,922,211	93,705,650	186,507,045
Lasalle	48	5,769	20,651,791	3,489,647	67,147,462	128,269,992
Laval-des-Rapides	7	78	202,194	20,686	376,408	782,821
Longueuil	28	1,146	3,100,899	101,441	4,409,195	8,455,794
Montreal (city proper)	4,289	182,758	582,256,675	22,354,978	1,175,253,762	2,207,686,246
Montreal East	39	6,816	28,233,541	21,555,175	523,722,029	739,194,053
Montreal North	32	1,051	3,723,246	183,881	8,020,472	13,296,346
Montreal West	8	150	407,121	15,633	682,005	1,650,000
Mount-Royal	38	6,317	20,301,708	600,980	57,714,357	101,077,840
Outremont	59	1,807	5,492,520	206,767	12,815,739	24,507,545
Pointe-aux-Trembles	15	363	982,929	79,354	3,083,936	4,994,567
Pointe Claire	3	19	54,633	596	75,384	155,218
Pont-Viau	10	222	480,553	26,900	820,796	1,600,900
Ste-Genevieve-de-Pierrefonds	7	53	105,031	11,685	350,480	550,988
St. Lambert	24	865	2,610,380	112,685	4,718,257	9,758,635
St-Michel	92	1,473	4,516,846	430,072	10,745,400	19,999,593
St-Laurent	76	15,581	59,690,514	2,047,819	67,710,105	176,384,616
Verdun	71	1,947	4,850,124	154,829	10,681,622	19,470,383
Westmount	38	1,908	6,198,735	457,877	6,856,062	18,384,680
All other ¹	65	5,416	20,457,510	1,865,333	47,900,987	81,052,466
Totals	5,074	249,964	827,703,886	56,240,720	2,113,216,117	3,786,635,501

¹ Includes: Anjou; Baie-d'Urfé; Beaconsfield; Côte-St-Luc; Greenfield Park; Hampstead; Le Moyne; Mackayville; Montreal South; Preville; Roxboro Ste-Anne-de-Bellevue; St-Léonard-de-Port-Maurice; St-Pierre; parishes of, Asile-St-Jean-de-Dieu; Notre-Dame-de-Liesse; Ste-Anne-du-Bout-de-l'Île; Ste-Genevieve Parish; St-Joachim-de-la-Pointe-Claire; St-Joseph-de-la-Rivière-des-Prairies; St-Léonard-de-Port-Maurice Parish; St-Raphael-de-l'Île-Bizard.

**Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton,
Windsor, Winnipeg and Vancouver, 1956 — Continued**

TORONTO METROPOLITAN AREA

Industry	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			
Foods and beverages:						
Biscuits	5	1,443	4,052,276	263,414	8,769,363	21,375,416
Bread and other bakery products	218	6,331	19,296,623	1,616,094	28,769,808	59,304,198
Breweries	5	1,260	5,808,469	374,939	7,766,395	28,384,181
Butter and cheese	6	1,701	6,320,266	520,390	16,453,475	27,172,293
Confectionery	45	3,708	9,580,207	554,167	27,623,138	51,966,508
Dairy products, other	8	77	228,038	51,304	956,287	1,643,657
Feed mills	4	13	25,998	2,932	222,812	258,101
Feeds, stock and poultry, prepared	12	567	1,861,747	163,110	18,387,671	24,374,622
Fruit and vegetable preparations	24	1,747	6,275,912	299,601	21,894,462	39,232,301
Miscellaneous food preparations	65	2,484	8,497,551	713,040	52,871,110	77,525,983
Sausage and sausage casings	20	304	839,043	78,695	4,179,621	5,897,533
Slaughtering and meat packing	18	5,295	21,628,633	1,421,366	155,521,457	204,612,715
Carbonated beverages	20	1,167	4,362,402	315,542	4,429,317	16,339,207
Wines	4	121	556,158	24,081	732,800	2,226,495
All other industries ¹	18	1,099	3,873,962	468,709	21,299,857	31,133,912
Totals	472	27,317	93,207,285	6,867,384	369,877,573	591,447,122
Tobacco and tobacco products:						
Totals	5	137	301,371	6,856	581,836	1,236,889
Rubber products:						
Totals	17	5,811	22,770,252	1,502,755	47,171,475	101,401,896
Leather products:						
Footwear leather	36	1,498	3,691,513	51,682	4,750,018	9,994,795
Miscellaneous leather goods	55	1,095	2,578,634	61,365	3,463,752	7,040,382
All other industries ²	10	672	2,330,634	179,515	6,273,355	10,068,794
Totals	101	3,265	8,600,781	292,562	14,487,125	27,103,971
Textiles:						
Automobile accessories, fabric	6	21	70,297	5,037	82,389	200,901
Awnings, tents and sails	22	295	661,215	32,935	1,873,971	2,939,099
Bags cotton and jute	6	143	347,261	20,237	2,472,484	3,116,968
Dyeing and finishing of textiles	12	262	812,558	61,103	391,248	1,881,009
Embroideries, pleating, hemstitching etc.	34	300	694,124	20,770	611,081	1,659,853
Miscellaneous textiles	52	1,219	3,220,459	119,671	9,502,698	14,666,891
Miscellaneous woollen goods	11	396	1,453,265	95,642	7,323,198	10,569,068
Narrow fabrics	12	187	501,230	14,183	764,187	1,481,676
Woollen yarn	6	714	1,820,095	119,495	4,837,631	7,996,632
All other industries ³	21	2,045	7,048,189	344,488	13,410,945	21,465,072
Totals	182	5,582	16,628,693	833,561	41,269,832	65,977,169
Clothing:						
Clothing children's factory	35	1,101	2,249,361	24,020	3,528,880	7,851,086
Clothing, contractors, men's	15	150	390,042	8,668	101,446	562,118
Clothing, contractors, women's	10	81	178,165	3,997	85,999	392,695
Clothing, men's factory	104	6,931	18,096,682	205,519	27,201,964	53,093,262
Clothing, women's factory	179	5,311	14,620,654	162,418	23,123,251	45,520,594
Corsets	14	1,084	2,408,087	24,293	3,140,086	7,704,027
Fur goods	139	1,213	4,207,252	112,266	10,615,385	16,904,568
Fur dressing and dyeing	4	200	568,492	22,417	196,379	963,846
Hats and caps	48	966	2,580,138	51,879	2,850,365	6,474,889
Miscellaneous clothing	20	481	1,080,241	22,808	2,025,909	3,819,438
Oiled and waterproofed clothing	5	143	306,954	8,816	741,691	998,415
Totals	573	17,661	46,686,068	647,101	73,611,355	144,284,938
Knitting mills:						
Hosiery	12	609	1,550,136	42,808	1,990,520	4,780,734
Other knitted goods	30	1,745	4,426,683	129,604	9,888,427	16,991,667
Totals	42	2,354	5,976,819	172,412	11,878,947	21,772,401
Wood products:						
Flooring, hardwood	3	227	877,059	36,989	1,676,066	2,815,894
Furniture	325	5,423	16,734,979	584,043	34,749,859	62,467,175
Miscellaneous wood products	38	516	1,784,842	54,647	2,537,361	5,070,530
Sash door and planing mills	79	1,022	3,278,090	187,909	7,225,428	12,962,940
Woodturning	5	40	129,562	3,673	80,537	259,099
All other industries ⁴	17	591	1,782,968	44,523	2,067,823	4,586,343
Totals	467	7,819	24,587,500	911,784	48,337,074	88,161,981

See footnotes at end of table.

**Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton
Windsor, Winnipeg and Vancouver, 1956 — Continued**

TORONTO METROPOLITAN AREA — Continued

Industry	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		
Paper products:						
Boxes and bags, paper.....	53	4,359	14,845,542	465,208	40,481,149	65,721,918
Miscellaneous paper goods ⁵	69	3,888	12,834,743	554,209	30,315,908	57,293,574
Pulp and paper mills.....	7	1,533	8,885,787	1,539,059	13,142,493	24,681,352
Totals.....	129	9,780	36,566,072	2,558,476	83,939,550	147,696,844
Printing, publishing and allied industries:						
Engraving, stereotyping and electrotyping.....	51	2,213	10,339,806	192,682	4,354,981	19,136,338
Lithographing.....	31	1,637	6,757,130	120,040	9,582,532	20,592,415
Printing and book binding.....	402	8,614	31,166,199	731,030	33,335,358	87,601,878
Printing and publishing.....	49	8,035	35,263,673	675,638	29,632,713	93,725,978
Publishing (only) of periodicals.....	361	1,305	3,276,571	—	8,071,378	17,402,019
Trade composition.....	18	586	2,349,466	35,368	247,621	3,582,513
Totals.....	912	22,390	89,152,845	1,754,758	85,224,583	242,041,141
Iron and steel products:						
Boilers, tanks and plate work.....	20	2,912	11,546,706	482,521	15,257,860	35,035,287
Bridgebuilding and structural steel.....	10	2,232	10,288,392	317,010	16,175,206	36,854,360
Castings, iron.....	14	1,582	5,968,755	270,861	10,212,235	23,795,134
Hardware, tools and cutlery.....	116	3,371	12,459,916	507,366	14,728,249	36,959,616
Heating and cooking apparatus.....	28	3,015	11,861,091	437,111	24,188,145	43,445,766
Machine shops.....	79	941	3,025,565	100,946	1,755,759	6,318,246
Machinery, household, office and store.....	27	4,281	15,763,499	309,526	33,132,912	68,364,605
Machinery, industrial ⁶	76	7,483	29,884,595	862,348	42,651,953	89,934,788
Miscellaneous iron and steel products.....	82	2,946	11,109,960	567,963	10,227,458	28,336,684
Sheet metal products.....	82	5,666	21,637,755	906,799	40,524,522	80,713,849
Wire and wire goods.....	28	427	1,471,098	91,313	3,513,381	6,467,948
Totals.....	562	34,856	135,017,832	4,853,764	212,367,680	456,226,283
Transportation equipment:						
Motor vehicle parts.....	32	3,279	12,043,784	487,475	23,749,505	46,055,214
All other industries ⁷	17	6,390	24,305,352	481,944	32,824,062	51,553,846
Totals.....	49	9,669	36,349,136	969,419	56,573,567	97,609,060
Non-ferrous metal products:						
Aluminum products.....	29	1,521	5,476,589	371,770	7,423,190	15,995,159
Brass and copper products.....	38	2,682	10,973,424	761,947	43,191,950	64,135,772
Jewellery and silverware.....	79	1,848	5,828,163	171,326	18,048,256	27,920,981
Miscellaneous non-ferrous metal products.....	8	692	3,125,117	169,892	5,714,532	11,353,429
White metal alloys.....	15	1,440	5,101,524	445,291	21,102,132	30,297,238
Totals.....	169	8,183	30,504,817	1,920,226	95,480,060	149,702,579
Electrical apparatus and supplies:						
Batteries.....	6	1,198	4,793,677	307,626	15,302,254	24,139,716
Machinery, heavy, electrical.....	27	5,678	23,561,920	470,531	32,150,096	64,782,689
Miscellaneous electrical products.....	63	6,237	24,132,132	948,507	58,325,479	112,413,117
Refrigerators, vacuum cleaners and appliances.....	31	3,097	11,477,750	596,085	25,186,337	45,602,497
Telecommunication equipment.....	45	7,213	25,274,266	606,142	48,337,023	86,686,956
Totals.....	172	23,423	89,239,745	2,928,891	179,301,189	333,624,975
Non-metallic mineral products:						
Clay products from domestic clay.....	8	590	2,321,395	849,525	181,630	5,651,506
Concrete products.....	47	1,251	5,298,769	508,604	12,349,512	25,580,011
Glass and glass products.....	39	1,544	5,576,835	886,656	6,230,260	16,385,866
Miscellaneous non-metallic mineral products.....	11	99	406,168	51,914	1,892,087	2,523,473
Sand-lime brick.....	3	94	307,967	39,564	187,228	748,533
Stone products.....	21	375	1,338,789	189,555	1,574,870	4,551,778
All other industries ⁸	7	158	739,455	36,241	723,786	1,756,929
Totals.....	136	4,111	15,989,378	2,562,059	23,139,373	57,198,096
Products of petroleum and coal: ⁹						
Totals.....	12	2,234	11,967,381	162,620	8,619,162	15,233,624

See footnotes at end of table.

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1956 — Continued

TORONTO METROPOLITAN AREA — Concluded

Industry	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		
Chemicals and allied industries:						
Acids, alkalies and salts	3	420	2,266,123	239,512	2,976,070	5,586,853
Adhesives	10	315	1,187,184	206,396	2,858,725	6,281,174
Fertilizers	3	81	291,764	29,729	2,967,568	3,695,014
Gases, compressed	6	461	1,566,935	114,532	610,232	3,796,681
Inks	20	859	3,328,133	123,202	5,877,120	13,861,113
Medicinal and pharmaceutical preparations	53	2,361	7,255,930	194,643	10,430,308	32,515,775
Miscellaneous chemical products	64	797	3,024,004	301,538	10,639,082	20,447,602
Paints, varnishes and lacquers	40	2,174	8,209,260	424,009	27,043,537	53,479,689
Polishes and dressings	16	272	911,746	55,154	2,907,695	6,219,075
Primary plastics	6	154	661,880	58,414	4,668,171	6,303,044
Soaps, washing compounds and cleaning prepara- tions	35	2,277	9,237,290	722,864	25,029,836	59,906,168
Toilet preparations	37	871	2,524,623	53,644	5,704,210	15,777,178
All other industries ¹⁰	5	499	2,069,615	659,505	22,532,457	27,773,932
Totals	298	11,541	42,534,487	3,183,142	124,245,011	255,643,298
Miscellaneous manufacturing industries:						
Artificial flowers and feathers	10	93	178,374	9,848	114,985	472,030
Brooms, brushes and mops	11	380	1,083,905	21,135	1,587,900	3,422,096
Buttons, buckles and fasteners	6	154	433,774	15,085	491,043	1,097,423
Clocks, watches and watch cases	11	304	1,000,806	13,726	4,103,965	7,377,700
Fountain pens and pencils	6	424	1,336,498	29,261	1,679,745	4,647,597
Hair goods	6	70	218,844	7,466	494,399	945,489
Ice artificial	5	132	443,538	110,060	59,311	968,768
Instruments and related products	35	2,922	12,449,278	353,840	13,499,624	41,737,522
Lamps, electric and lamp shades	24	575	1,363,398	51,072	2,346,721	4,926,017
Models and patterns (excluding paper)	21	168	669,767	24,325	223,361	1,187,198
Musical instruments	11	434	1,383,445	63,258	1,650,043	3,847,471
Ophthalmic goods	6	380	1,219,371	27,030	817,889	1,771,649
Orthopaedic and surgical appliances	9	141	343,220	12,010	378,424	1,068,010
Other miscellaneous industries	15	423	1,290,885	39,889	2,058,114	5,286,857
Plastic products	45	1,695	4,404,765	175,104	8,405,737	17,125,414
Signs electric neon and other	76	764	2,580,012	106,785	2,559,001	6,932,061
Sporting goods	18	652	1,967,979	63,410	2,168,239	5,984,322
Stamps and stencils, rubber and metal	18	330	1,110,366	31,005	553,502	1,999,793
Stationary, art goods and regalia	33	303	759,688	25,955	888,668	2,086,730
Toys and games	28	912	2,060,395	90,767	4,398,469	8,098,825
Typewriter supplies	5	325	966,571	26,098	2,271,365	4,608,562
All other industries ¹¹	7	146	484,783	16,565	1,441,621	2,467,138
Totals	406	11,727	37,749,662	1,313,694	52,192,126	128,058,672
Grand totals, Metropolitan Toronto	4,704	207,860	743,830,124	33,441,464	1,528,297,518	2,924,420,939

¹ Includes: Animal oils and fats, 4; breakfast foods, 3; cheese processed, 3; distilled liquors, 3; flour mills, 1; macaroni and kindred products, 4.

² Includes: Belting, leather, 1; boot and shoe findings, leather, 3; leather gloves and mittens, 3; leather tanning, 3.

³ Includes: Carpets, mats and rugs, 4; cordage, rope and twine, 2; cotton thread, 3; cotton yarn and cloth, 2; linoleum and coated fabrics, 3; miscellaneous cotton goods, 3; synthetic textiles and silk, 1; woollen cloth, 3.

⁴ Includes: Boxes and baskets, wood, 7; cooperage, 1; excelsior, 2; morticians supplies, 2; sawmills, 2; woodenware, 3.

⁵ Includes: Roofing paper, 2.

⁶ Includes: Agricultural implements, 1; machine, tools 1.

⁷ Aircraft and parts, 7; bicycles and parts, 2; boatbuilding, 2; miscellaneous transportation equipment, 2; motor vehicles 1; railway rolling stock, stock, 2; shipbuilding, 1.

⁸ Includes: Abrasive products, 1; asbestos products, 2; clay products from imported clay, 4.

⁹ Includes: Miscellaneous products of petroleum and coal, 6; petroleum products, 6.

¹⁰ Includes: Coal tar distillation, 2; vegetable oils, 3.

¹¹ Includes: Candles, 1; pipes, lighters and smokers' supplies, 4; umbrellas, 2.

The Following Municipalities are Included in Greater Toronto

Municipality	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		
Toronto (city proper)	3,411	133,758	470,860,187	19,997,349	962,271,402	1,797,706,145
Etobicoke Township	225	10,787	38,181,624	2,389,096	73,225,844	158,966,916
Forest Hill	11	41	106,067	9,629	179,896	330,120
Leaside	51	8,325	30,553,396	1,182,500	67,401,162	132,605,940
Long Beach	25	1,469	5,260,367	277,528	9,039,226	19,425,706
Mimico	44	993	3,266,057	186,229	6,873,011	13,039,873
New Toronto	48	7,794	32,082,448	2,160,181	107,042,854	196,959,953
Scarboro Township	248	10,280	36,665,428	2,259,793	69,540,842	139,599,646
Swansea	18	935	3,469,054	322,570	7,618,329	14,756,212
Weston	67	3,355	12,741,913	636,454	24,888,351	48,622,503
York Township	218	11,636	44,461,537	1,651,451	77,102,132	168,993,640
York East Township	92	4,896	17,390,775	998,831	36,771,766	68,695,333
York North Township	246	13,591	48,791,271	1,369,853	86,342,703	164,718,952
Totals, Metropolitan Toronto	4,704	207,860	743,830,124	33,441,464	1,528,297,518	2,924,420,939

**Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto,
Hamilton, Windsor, Winnipeg and Vancouver, 1956 — Continued**

HAMILTON METROPOLITAN AREA

Industry	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			
Foods and beverages:						
Bread and other bakery products	58	1,359	3,834,753	387,720	4,390,853	9,993,878
Confectionery	7	248	668,532	39,389	1,463,954	3,690,597
Feed mills	6	21	54,610	11,929	424,093	536,350
Feeds, stock and poultry, prepared	5	29	45,300	4,671	166,880	244,800
Fruit and vegetable preparations	17	1,347	2,977,598	187,289	9,390,817	14,656,540
Carbonated beverages	11	165	477,468	63,575	862,844	2,289,080
All other industries ¹	27	1,568	5,473,239	494,160	37,643,089	52,314,236
Totals	131	4,737	13,531,500	1,188,733	54,342,530	83,725,481
Leather products:						
Footwear, leather	3	294	693,368	10,257	1,036,251	2,114,857
All other industries ²	3	6	13,893	2,012	33,335	52,767
Totals	6	300	707,261	12,269	1,069,586	2,167,624
Textiles:						
Awnings, tents and sails	6	76	181,628	3,076	213,560	429,552
Cotton yarn and cloth	6	2,393	6,242,088	402,189	10,360,839	19,016,273
All other industries ³	13	681	1,995,680	107,592	4,682,317	8,934,667
Totals	25	3,150	8,419,396	512,857	15,256,716	28,380,492
Clothing:						
Clothing men's factory	8	930	2,140,329	29,967	2,498,782	5,957,773
Fur goods	4	14	37,937	2,268	76,270	164,880
All other industries ⁴	8	66	135,443	3,212	148,576	361,180
Totals	20	1,010	2,313,709	35,447	2,723,628	6,483,833
Knitting mills:⁵						
Totals	8	1,725	3,769,670	138,707	4,653,843	10,922,036
Wood products:						
Boxes and baskets, wood	5	111	248,496	7,677	332,075	718,228
Furniture	32	197	648,446	22,728	528,030	1,323,703
Sash, door and planing mills	15	393	1,286,188	105,600	2,465,580	4,466,466
All other industries ⁶	10	161	427,673	30,575	814,034	1,604,422
Totals	62	862	2,610,803	166,580	4,139,719	8,112,819
Paper products:						
Boxes and bags, paper	13	931	3,150,583	142,333	10,954,687	17,970,524
Miscellaneous paper goods ⁷	8	773	2,569,114	124,558	7,366,045	12,308,227
Totals	21	1,704	5,719,697	266,891	18,320,732	30,278,751
Printing, publishing and allied industries:						
Engraving, stereotyping and electrotyping	6	151	884,117	18,836	234,672	1,479,032
Printing and bookbinding	59	626	2,277,487	68,753	3,769,903	7,552,973
Publishing (only) of periodicals	23	234	119,795	—	246,087	427,783
All other industries ⁸	10	731	2,811,741	65,841	2,895,885	9,195,719
Totals	98	1,742	6,093,140	153,430	7,146,547	18,655,507
Iron and steel products:						
Castings, iron	9	709	2,741,418	186,854	8,586,041	13,225,267
Hardware, tools and cutlery	19	741	2,753,231	117,835	2,182,729	6,555,305
Machine shops	16	201	617,919	19,176	825,494	2,023,069
Machinery, industrial	13	1,368	5,853,604	212,212	9,476,033	18,371,707
Miscellaneous iron and steel products	18	225	849,604	32,221	1,572,795	2,663,473
Sheet metal products	25	1,877	7,626,025	393,581	15,247,671	23,454,580
Wire and wire goods	18	3,073	12,953,434	770,694	29,944,537	51,487,244
All other industries ⁹	19	17,555	82,926,980	18,552,811	169,034,628	359,849,587
Totals	137	25,749	116,322,215	20,285,384	236,869,928	477,630,232
Non-ferrous metal products:						
Brass and copper products	8	444	1,704,461	119,635	4,485,624	7,438,204
Jewellery and silverware	5	116	301,773	8,187	368,663	917,564
All other industries ¹⁰	9	389	1,468,020	153,090	3,832,460	6,350,077
Totals	22	949	3,474,254	280,912	8,686,747	14,705,845
Electrical apparatus and supplies¹¹						
Totals	21	9,872	40,656,158	1,073,873	33,765,431	97,281,799

See footnotes at end of table.

**Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto
Hamilton, Windsor, Winnipeg and Vancouver, 1956 — Continued
HAMILTON METROPOLITAN AREA — Concluded**

Industry	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		
Non-metallic mineral products:						
Clay products from domestic clay	7	232	786,402	272,597	55,740	1,926,674
Concrete products	17	589	1,796,129	205,543	2,261,818	5,475,466
Stone products	5	62	235,260	16,526	246,532	593,578
All other industries ¹²	15	1,814	6,492,955	1,324,117	7,678,863	17,876,054
Totals	44	2,697	9,310,746	1,818,783	10,242,953	25,871,772
Products of petroleum and coal ¹³ :						
Totals	7	884	3,591,034	1,856,689	26,057,546	46,032,440
Chemicals and allied products:						
Miscellaneous chemicals products	12	272	1,116,495	63,747	3,892,921	7,214,872
Polishes and dressings	5	58	173,022	8,382	380,608	770,844
All other industries ¹⁴	20	1,078	4,760,964	544,750	25,537,890	51,372,375
Totals	37	1,408	6,050,481	616,879	29,811,419	59,358,091
Miscellaneous manufacturing industries:						
Brooms, brushes and mops	7	304	844,602	30,917	1,482,035	3,980,307
Models and patterns (excluding paper)	4	21	92,639	1,164	19,738	180,983
Plastic products	4	99	218,392	4,319	420,139	753,568
Signs, electric, neon and others	19	126	338,844	25,193	315,572	877,911
Sporting goods	3	22	53,590	870	42,360	117,324
All other industries ¹⁵	17	272	748,169	39,068	1,117,176	2,446,389
Totals	54	844	2,296,236	101,531	3,397,020	8,356,482
All other major groups: ¹⁶						
Totals	14	4,685	18,425,270	1,031,706	64,309,082	111,754,399
Grand totals metropolitan Hamilton	707	62,318	243,291,370	29,540,671	520,793,427	1,029,717,603

¹ Includes: Animal oils and fats, 1; biscuits, 3; breweries, 1; butter and cheese, 3; flour mills, 1; macaroni and kindred products, 1; miscellaneous food preparations, 8; sausages and sausage casings, 5; slaughtering and meatpacking, 4.

² Includes: Belting, leather, 1; gloves, leather, 1; miscellaneous leather goods, 1.

³ Includes: Bags, cotton and jute, 1; carpets, mats and rugs, 1; cordage, rope and twine, 1; cotton thread, 1; dyeing and finishing of textiles, 1; embroideries, pleating, hemstitching, etc., 2; miscellaneous textiles, 2; miscellaneous woollen goods, 2; narrow goods, 1; woollen yarn, 1.

⁴ Includes: Clothing, children's factory, 1; clothing, women's factory, 1; corsets, 1; hats and caps, 4; miscellaneous clothing, 1;

⁵ Includes: Hosiery, 1; other knitted goods, 7.

⁶ Includes: Cooperage, 1; flooring, hardwood, 1; lasts trees and shoe findings, 2; miscellaneous wood products, 3; mortician's supplies, 2; sawmills, 1.

⁷ Includes: Roofing paper, 2.

⁸ Includes: Lithographing, 2; printing and publishing, 6; trade composition, 2.

⁹ Includes: Agricultural implements, 1; boilers, tanks and platemwork, 3; fabricated and structural steel, 1; heating and cooking apparatus, 2; machine tools, 3; machinery, household, office and store, 3; primary iron and steel, 6.

¹⁰ Includes: Aluminum products, 4; miscellaneous non-ferrous metal products, 1; white metal alloys, 4.

¹¹ Includes: Batteries, 2; machinery, heavy, electrical, 3; miscellaneous electrical apparatus and supplies, 7; refrigerators, vacuum cleaners and appliances, 5; tele-communication equipment, 4.

¹² Includes: Abrasive products, 3; asbestos products, 3; clay products from domestic clay, 4; glass and glass products, 3; miscellaneous non-metallic mineral products, 2.

¹³ Includes: Coke and gas products, 4; miscellaneous products of petroleum and coal, 2; petroleum products, 1.

¹⁴ Includes: Acids, alkalies and salts, 1; coal tar distillation, 1; fertilizers, 1; gases compressed, 1; medicinal and pharmaceutical preparations, 3; paints, varnishes and lacquers, 3; soaps, washing compounds and cleaning preparations, 7; toilet preparations, 2; vegetable oils, 1.

¹⁵ Includes: Buttons, buckles and fasteners, 1; ice, artificial, 2; lamps, electric and lamp shades, 1; ophthalmic goods, 2; orthopaedic and surgical appliances, 1; stamps and stencils, rubber and metal, 5; toys and games, 5.

¹⁶ Includes: Tobacco and tobacco products, 1; rubber products, 5; transportation equipment: boatbuilding, 1; motor vehicles, 1; motor vehicle parts, 2; railroad rolling stock, 4.

The Following Municipalities are Included in Greater Hamilton

Industry	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		
Hamilton (city proper)	585	58,742	232,166,085	28,649,240	498,410,570	987,728,987
Burlington	24	765	2,137,097	122,899	5,126,959	9,117,848
Dundas	35	1,386	4,718,774	390,998	5,917,856	13,229,160
Waterdown	6	43	90,703	4,352	292,225	459,070
Stoney Creek	8	54	145,209	12,357	171,067	383,135
Barton Township	12	86	256,716	16,485	400,093	832,505
Nelson Township	8	365	1,323,543	65,926	4,015,940	6,575,398
All other ¹	29	877	2,453,443	278,414	6,458,717	11,391,500
Totals	707	62,318	243,291,370	29,540,671	520,793,427	1,029,717,603

¹ Includes: Burlington Beach, Ancaster Township, Flamborough East Township, Flamborough West Township, Saltfleet Township.

**Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto,
Hamilton, Windsor, Winnipeg and Vancouver, 1956 — Continued**

WINDSOR METROPOLITAN AREA

Industry	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		
Foods and beverages:						
Bread and other bakery products	23	523	1,454,517	176,085	1,796,552	3,900,352
Confectionery	3	7	17,046	1,893	26,451	52,281
Fruit and vegetable preparations	5	250	570,815	31,906	1,607,296	2,147,691
Miscellaneous food preparations	5	34	70,899	24,539	261,124	444,275
Sausage and sausage casings	3	26	70,772	5,935	223,114	296,729
Carbonated beverages	6	105	316,333	39,733	457,401	1,523,658
All other industries ¹	14	1,977	7,385,804	640,432	21,130,190	57,406,879
Totals	59	2,922	9,886,186	920,523	25,502,128	65,771,865
Textile:²						
Totals	10	760	2,559,463	100,646	4,477,905	8,168,341
Clothing:³						
Total	11	258	584,092	15,735	569,633	1,952,108
Wood product:						
Furniture	29	129	412,633	24,529	1,018,264	1,612,176
Sash, door and planing mills	15	109	308,450	18,059	447,698	957,657
All other industries ⁴	5	38	100,643	6,026	232,748	440,219
Totals	49	276	821,726	48,614	1,698,710	3,010,052
Printing publishing and allied industries:						
Printing and bookbinding	30	281	900,942	28,656	742,341	2,168,454
Publishing (only) periodicals	13	13	13,908	—	59,425	78,104
All other industries ⁵	7	429	1,996,053	45,280	1,329,953	5,120,640
Totals	50	723	2,910,903	73,936	2,131,719	7,367,198
Iron and steel products:						
Castings, iron	6	1,031	3,937,978	288,128	4,098,091	10,118,297
Hardware, tools and cutlery	36	921	3,897,236	120,168	4,311,465	11,328,118
Machine shops	3	51	192,568	13,282	106,263	475,766
Machinery industrial	8	753	3,645,003	71,712	3,772,387	10,227,456
All other industries ⁶	26	3,097	12,995,238	837,578	22,538,506	46,615,772
Totals	79	5,853	24,668,023	1,330,868	34,826,712	78,765,409
Transportation equipment:⁷						
Totals	31	21,509	88,328,422	3,968,331	238,901,405	391,122,140
Non-ferrous metal products:						
Brass and copper products	4	83	270,434	13,299	1,062,825	1,724,958
All other industries ⁸	6	54	171,548	5,377	593,084	930,689
Totals	10	137	441,982	18,676	1,655,909	2,655,647
Electrical apparatus and supplies:⁹						
Totals	6	101	355,318	13,231	563,434	1,615,673
Non-metallic mineral products:						
Concrete products	8	275	1,061,223	165,316	1,849,111	3,739,319
All other industries ¹⁰	6	578	2,282,680	446,639	5,225,224	11,929,197
Totals	14	853	3,343,903	611,955	7,074,335	15,668,516

See footnotes at the end of table.

**Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto
Hamilton, Windsor, Winnipeg and Vancouver, 1956 — Continued**

WINDSOR METROPOLITAN AREA — Concluded

Industry	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			
Chemicals and allied products:						
Medicinal and pharmaceutical preparations	9	694	2,660,665	73,201	4,187,493	15,079,817
Miscellaneous chemical products	5	25	82,111	7,852	188,574	483,737
Soaps, washing compounds and cleaning prepara- tions	5	23	58,575	5,479	129,601	217,661
Toilet preparations	4	17	37,450	1,360	37,430	93,678
All other industries ¹¹	9	673	2,698,618	1,380,106	4,363,609	13,585,262
Totals	32	1,432	5,537,419	1,467,998	8,906,707	29,460,155
Miscellaneous manufacturing industries:						
Models and patterns excluding paper	7	151	608,016	15,563	295,023	1,204,043
Signs, electric, neon and other	7	35	137,372	15,097	76,111	302,425
Sporting goods	7	53	160,338	5,459	165,457	513,633
All other industries ¹²	19	247	768,253	59,838	1,674,306	3,668,755
Totals	40	486	1,673,979	95,957	2,210,897	5,688,856
All other major groups: ¹³						
Totals	4	130	448,308	15,972	1,200,395	2,174,447
Grand totals Metropolitan Windsor	395	35,440	141,559,724	8,682,445	329,719,889	613,420,407

¹ Includes: Breakfast foods, 1; breweries, 3; butter and cheese, 3; dairy products, other, 1; distilled liquors, 1; slaughtering and meat pack-
ing, 2; stock and poultry feeds, prepared, 3.

² Includes: Automobile accessories, fabric, 2; awnings, tents and sails, 4; bags, cotton and jute, 1; miscellaneous cotton goods, 1; miscel-
laneous textiles, 2.

³ Includes: Clothing, children's factory, 1; clothing, men's factory, 3; fur goods, 5; gloves and mittens, fabric, 1; oiled and waterproofed
clothing, 1.

⁴ Includes: Boxes and baskets, wood, 1; miscellaneous wood products, 1; sawmills, 2; woodturning, 1.

⁵ Includes: Engraving, stereotyping and electrotyping, 2; lithographing, 1; printing and publishing, 2; trade composition, 2.

⁶ Includes: Boilers, tanks and plate work, 1; fabricated and structural steel, 2; heating and cooking apparatus, 2; machine tools, 2; machinery,
household, office and store, 2; miscellaneous iron and steel products, 6; primary iron and steel, 1; sheet metal products, 8; wire and wire goods, 2.

⁷ Includes: Boat building, 1; motor vehicles, 2; motor vehicle parts, 28.

⁸ Includes: Aluminum products, 2; jewellery and silverware, 3; white metal alloys, 1.

⁹ Includes: Batteries, 1; machinery, heavy, electrical, 2; miscellaneous electrical apparatus and supplies, 2; refrigerators, vacuum cleaners
and appliances, 1.

¹⁰ Includes: Glass and glass products, 3; miscellaneous non-metallic mineral products, 1; salt, 1; stone products, 1.

¹¹ Includes: Acids, alkalies and salt, 1; adhesives, 1; gases, compressed, 1; paints, varnishes and lacquers, 6.

¹² Includes: Brooms, brushes and mops, 1; buttons, buckles and fasteners, 1; clocks, watches and watch cases, 1; ice artificial, 2; instruments
and related products, 1; pipes, lighters and smoker's supplies, 1; orthopaedic and surgical appliances, 1; plaster products, 6; stamps and stencils,
rubber and metal, 2; statuary, art goods, regalia and novelties, 1; toys and games, 2.

¹³ Includes: Rubber products, 2; paper products—boxes and bags, paper, 1; miscellaneous paper goods, 1.

The Following Municipalities are Included in Greater Windsor

Municipality	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			
Windsor (city proper)	336	24,091	96,798,387	5,453,651	186,300,126	369,790,090
Riverside	8	154	503,115	45,168	1,267,620	2,154,918
All other ¹	51	11,195	44,258,222	3,183,626	142,152,143	241,475,399
Totals	395	35,440	141,559,724	8,682,445	329,719,889	613,420,407

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

**Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto,
Hamilton, Windsor, Winnipeg and Vancouver, 1956 - Continued**

WINNIPEG METROPOLITAN AREA

Industry	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		
Foods and beverages:						
Bread and other bakery products	62	1,244	3,638,957	360,201	5,192,134	11,447,002
Breweries	6	598	2,482,849	184,155	2,269,158	11,617,482
Butter and cheese	9	788	2,486,215	251,471	9,470,731	13,576,526
Confectionery	12	312	692,714	45,680	1,633,923	3,044,032
Feed mills	4	12	41,483	4,696	207,631	274,276
Feeds, stock and poultry prepared	17	183	571,514	66,393	5,550,335	7,160,438
Flour mills	4	564	1,638,600	177,273	20,791,207	24,975,328
Fruit and vegetable preparations	7	140	305,469	32,647	1,207,190	1,821,764
Miscellaneous food preparations	20	559	1,834,473	307,651	14,408,095	19,810,463
Sausage and sausage casings	8	170	481,854	45,238	2,594,646	3,183,688
Slaughtering and meat packing	11	2,963	11,144,667	591,971	72,294,648	96,019,681
Carbonated beverages	10	261	846,508	110,295	1,574,549	4,477,281
All other industries ¹	12	594	1,722,891	337,674	6,817,917	12,339,679
Totals	182	8,388	27,888,194	2,515,345	144,012,164	209,747,640
Leather products:						
Footwear, leather	6	260	650,316	9,969	1,414,221	2,436,666
Gloves and mittens leather	7	242	473,951	9,206	936,745	1,612,360
Miscellaneous leather goods ²	8	191	442,765	27,056	1,103,070	1,870,637
Totals	21	693	1,567,032	46,231	3,454,036	5,919,663
Textiles:						
Awnings, tents and sails	7	68	140,041	6,452	381,077	580,103
Embroideries, pleating and hemstitching	5	31	57,921	3,082	39,562	146,552
Miscellaneous textiles	13	105	217,207	7,961	634,822	996,062
All other industries ³	9	497	1,301,961	50,717	6,249,582	8,868,202
Totals	34	701	1,717,130	68,212	7,305,043	10,590,919
Clothing and knitting mills:						
Clothing children's factory	8	348	703,610	13,474	1,223,248	2,741,518
Clothing men's factory	50	2,657	5,984,616	89,125	13,391,704	22,686,310
Clothing, women's factory	24	1,521	3,883,420	47,811	7,232,409	12,597,053
Fur goods	47	453	1,282,690	24,895	2,289,760	4,050,191
Hats and caps	14	358	680,457	10,249	835,571	1,889,102
All other industries ⁴	11	302	781,385	23,241	715,251	1,954,768
Totals	154	5,639	13,316,178	208,795	25,687,943	45,918,942
Wood products:						
Boxes and baskets, wood	4	123	302,024	14,962	554,908	1,003,767
Furniture	110	1,753	5,028,722	207,831	10,453,924	18,602,501
Miscellaneous wood products	6	31	63,666	4,813	102,720	223,530
Sash, door and planing mills	19	369	1,123,565	57,471	1,711,656	3,219,539
All other industries ⁵	7	187	517,337	37,948	813,892	1,735,536
Totals	146	2,463	7,035,314	323,025	13,637,100	24,784,873

See footnotes at end of table.

**Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto,
Hamilton, Windsor, Winnipeg and Vancouver, 1956 - Continued**

WINNIPEG METROPOLITAN AREA - Continued

Industry	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			
Paper products:						
Boxes and bags paper	10	603	1,943,546	84,998	5,832,725	9,084,247
Miscellaneous paper goods	7	193	478,521	23,096	2,467,403	4,011,601
All other industries ⁶	6	274	882,642	231,218	1,882,091	4,371,667
Totals	23	1,070	3,304,709	339,312	10,182,219	17,467,515
Printing, publishing and allied industries:						
Engraving, stereotyping and electrotyping	3	198	796,680	12,931	200,703	1,257,971
Printing and bookbinding	76	1,235	3,976,648	90,992	3,322,479	10,179,442
Printing and publishing	27	1,617	5,154,451	115,746	4,728,862	15,398,653
Publishing (only) of periodicals	103	173	325,578	—	839,464	1,515,345
All other industries ⁷	4	214	568,689	7,625	366,930	1,140,535
Totals	218	3,437	10,822,046	227,294	9,458,438	29,491,946
Iron and steel products:						
Agricultural implements	11	422	1,288,618	72,044	4,732,010	6,902,884
Machine shops	27	255	859,509	34,758	531,121	1,941,040
Machinery industrial	11	399	1,404,421	41,390	1,596,510	3,825,852
Miscellaneous iron and steel products	10	681	2,470,158	106,870	4,156,202	7,429,050
Sheet metal products	25	1,023	3,332,549	106,334	7,116,746	12,539,771
All other industries ⁸	17	1,570	6,067,577	201,198	9,919,102	24,153,612
Totals	101	4,350	15,422,832	562,594	28,051,691	56,792,209
Transportation equipment:						
Motor vehicle parts	11	314	930,916	35,443	1,735,487	3,682,325
All other industries ⁹	10	6,257	21,825,804	635,173	21,446,472	44,272,071
Totals	21	6,571	22,756,720	670,616	23,181,959	47,954,396
Non-ferrous metal products:						
Brass and copper products	5	148	530,042	47,128	2,430,298	3,521,128
Jewellery and silverware	4	26	77,453	1,808	121,626	319,220
White metal alloys	3	76	219,590	44,145	1,670,244	2,219,794
All other industries ¹⁰	4	4	5,651	1,103	10,137	25,181
Totals	16	254	832,736	94,184	4,232,305	6,085,323
Electrical apparatus and supplies:						
Miscellaneous electrical apparatus and supplies	7	157	440,766	27,166	1,330,136	2,013,655
All other industries ¹¹	12	822	2,612,387	72,230	4,409,205	9,922,410
Totals	19	979	3,053,153	99,396	5,739,341	11,936,065
Non-metallic mineral products and products of petro- leum and coal:						
Clay products from domestic clay	3	98	260,185	92,121	2,770	318,677
Glass and glass products	4	26	69,884	10,640	69,442	202,745
Lime	3	12	37,037	15,201	13,680	357,793
Miscellaneous non-metallic mineral products	3	28	79,200	15,673	89,104	271,125
Stone products	5	47	162,908	8,753	124,711	425,339
All other industries ¹²	15	1,409	5,239,840	3,307,004	18,711,813	37,807,083
Totals	33	1,620	5,849,054	3,449,392	19,011,520	39,382,762

See footnotes at end of table.

**Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto,
Hamilton, Windsor, Winnipeg and Vancouver, 1956 - Continued**

WINNIPEG METROPOLITAN AREA - Concluded

Industry	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			
Chemicals and allied products:						
Gases compressed	3	78	266,049	22,349	179,046	1,097,661
Medicinal and pharmaceutical preparations	7	112	311,103	11,385	572,863	1,466,347
Miscellaneous chemical products	5	135	382,572	8,514	368,115	534,975
Paints, varnishes and lacquers	5	251	708,784	38,215	3,115,581	5,716,591
Soaps, washing compounds and cleaning prepara- tions	6	34	91,273	10,572	545,121	1,198,086
All other industries ¹³	9	68	204,298	32,785	1,350,518	1,672,162
Totals	35	678	1,964,079	123,820	6,131,244	11,685,822
Miscellaneous manufacturing industries:						
Brooms brushes and mops	6	111	290,669	9,087	536,127	925,913
Orthopaedic and surgical appliances	6	28	56,701	3,467	49,973	145,269
Signs, electric, neon and other	11	191	683,759	49,654	403,112	1,876,770
Stamps and stencils, rubber and metal	5	15	54,682	396	28,053	89,322
Statuary, art goods, regalia and novelties	9	92	185,704	5,754	163,371	509,092
All other industries ¹⁴	18	275	651,758	35,236	2,523,799	3,776,245
Totals	55	712	1,923,273	103,594	3,704,435	7,322,611
All other major groups:						
Totals	3	12	25,268	1,375	45,762	132,100
Grand totals Metropolitan Winnipeg	1,061	37,567	117,477,718	8,833,185	303,835,200	525,212,786

¹ Includes: Animal oils and fats, 2; biscuits, 3; breakfast foods, 3; cheese, processed, 1; macaroni and kindred products, 2; sugar refining, 1.

² Includes: Leather tanning, 1.

³ Includes: Automobile accessories, fabric, 2; carpets, mats and rugs, 2; cotton and jute bags, 3; narrow fabrics, 1; woollen cloth, 1.

⁴ Includes: Clothing, contractor's, women's, 1; fur dressing and dyeing, 2; miscellaneous clothing, 4; other knitted goods, 4.

⁵ Includes: Excelsior, 1; mortician's supplies, 3; veneers and plywoods, 1; wood preservation, 1; woodenware, 1.

⁶ Includes: Pulp and paper mills, 2; roofing paper, 4.

⁷ Includes: Lithographing, 2; trade composition, 2.

⁸ Includes: Boilers, tanks and plate work, 1; castings, iron, 6; fabricated and structural steel, 2; hardware tools and cutlery, 2; heating and cooking apparatus, 3; machinery, household, office and store, 1; wire and wire goods, 2.

⁹ Includes: Aircraft and parts, 1; boatbuilding 3; motor vehicles, 2; railway rolling stock, 4.

¹⁰ Includes: Aluminum products, 1; miscellaneous non-ferrous metal products, 3.

¹¹ Includes: Batteries, 3; machinery, heavy, electrical, 3; refrigerators, vacuum cleaners and appliances, 5; telecommunication equipment, 1.

¹² Includes: Cement, hydraulic, 1; concrete products, 7; gypsum products, 2; coke and gas products, 1; miscellaneous products of petroleum and coal, 1; petroleum products, 3;

¹³ Includes: Adhesives, 1; coal tar distillation, 2; inks, 2; toilet preparations, 2; vegetable oils, 2.

¹⁴ Includes: Artificial flowers and feathers, 1; clocks, watches and watch cases, 2; hair good, 1; ice, artificial, 1; instrument and related products, 2; lamps, electric and lamp shades, 2; models and patterns, excluding paper, 1; ophthalmic goods, 1; plastic products, 5; sporting goods, 1; toys and games, 1.

The Following Municipalities are Included in Greater Winnipeg

Industry	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			
Winnipeg (city proper)	869	26,629	80,891,909	3,669,114	163,808,668	309,520,043
St. Boniface	96	4,917	17,009,972	1,909,880	104,335,130	139,879,052
St. James	29	1,933	6,060,475	224,681	7,851,907	19,288,843
Kildonan East Municipality	15	306	918,784	142,756	2,609,876	5,199,561
All others ¹	52	3,782	12,596,578	2,886,754	25,229,619	51,325,287
Totals	1,061	37,567	117,477,718	8,833,185	303,835,200	525,212,786

¹ Includes: Brooklands, Transcona, Tuxedo, Assiniboia Municipality, Charleswood Municipality, Fort Garry Municipality, Kildonan North Municipality, Kildonan West Municipality, Old Kildonan Municipality, St. Vital Municipality.

**Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto,
Hamilton, Windsor, Winnipeg and Vancouver, 1956 — Continued**

VANCOUVER METROPOLITAN AREA

Industry	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		
Foods and beverages:						
Bread and other bakery products	151	1,885	6,070,738	497,034	8,378,223	18,397,942
Breweries	3	405	1,749,067	136,000	2,898,890	13,141,378
Butter and cheese	11	1,389	4,998,435	444,199	13,289,873	20,580,962
Confectionery	25	245	558,230	38,043	1,278,559	2,373,037
Dairy products, other	7	105	355,762	61,649	1,319,442	2,319,391
Feeds, stock and poultry, prepared	10	434	1,428,679	147,678	9,774,354	12,360,351
Fish processing	31	1,761	5,263,226	389,619	26,188,916	44,878,988
Foods, breakfast	3	16	26,802	2,316	100,380	155,170
Fruit and vegetable preparations	25	999	2,415,654	192,112	10,082,319	15,189,126
Miscellaneous food preparations	39	869	2,552,275	166,140	37,960,994	47,369,864
Sausage and sausage casings	9	203	683,187	44,346	1,743,412	3,088,181
Slaughtering and meat packing	8	1,515	5,892,011	328,835	43,594,591	53,523,717
Carbonated beverages	8	235	732,818	99,781	1,235,817	4,264,980
All other industries ¹	13	1,193	4,347,043	662,187	17,605,232	27,422,587
Totals	343	11,254	37,073,927	3,209,939	175,451,002	265,065,674
Leather products:						
Footwear, leather	6	232	648,166	14,404	1,209,849	1,871,760
Gloves and mittens, leather	4	81	194,243	3,186	233,616	509,673
All other industries ²	8	219	533,179	18,096	904,964	1,915,454
Totals	18	532	1,375,588	35,686	2,348,429	4,296,887
Textiles:						
Awnings, tents and sails	10	193	300,482	9,917	1,110,237	1,831,965
Miscellaneous textiles	7	43	122,136	12,970	353,705	597,525
All other industries ³	20	437	1,294,186	84,489	3,558,673	5,745,864
Totals	37	673	1,716,804	107,376	5,022,615	8,175,354
Clothing and knitting mills:						
Clothing, men's factory	18	630	1,457,698	29,830	2,656,293	4,776,305
Clothing, women's factory	19	720	1,762,513	24,476	2,711,724	5,261,425
Fur goods	17	77	168,834	7,580	306,202	602,605
All other industries ⁴	7	300	725,022	15,537	1,099,948	2,435,083
Totals	61	1,727	4,114,067	77,423	6,774,167	13,075,418
Wood products:						
Boxes and baskets, wood	13	76	215,127	19,638	329,244	668,473
Furniture	158	2,038	6,043,610	205,288	10,231,923	19,331,736
Miscellaneous wood products	30	571	2,040,705	139,781	6,796,773	10,318,564
Mortician's goods	4	77	208,206	6,053	383,639	679,055
Sash, door and planing mills	63	1,184	4,312,360	199,855	9,286,258	16,286,384
Sawmills	101	9,604	37,405,608	1,413,689	81,052,141	141,330,376
Veneers and plywoods	11	4,079	15,072,810	559,796	29,074,335	56,246,661
Woodenware	4	62	157,340	5,683	248,839	488,020
All other industries ⁵	6	113	418,338	20,962	993,451	1,672,929
Totals	390	17,804	65,874,104	2,570,745	138,396,603	247,022,198
Paper products:						
Boxes and bags, paper	16	1,043	3,498,553	140,718	12,177,485	18,707,266
Miscellaneous paper goods	11	414	1,382,027	37,039	5,038,242	6,505,784
All other industries ⁶	4	1,041	5,078,508	447,900	6,738,759	13,978,302
Totals	31	2,498	9,959,088	625,657	23,954,486	39,191,352

See footnotes at end of table.

**Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto,
Hamilton, Windsor, Winnipeg and Vancouver, 1956 — Continued**

VANCOUVER METROPOLITAN AREA — Continued

Industry	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		
Printing, publishing and allied industries:						
Engraving, stereotyping and electrotyping	10	137	615,581	18,071	178,000	1,141,075
Lithographing	10	265	1,068,853	24,533	1,253,900	2,997,318
Printing and bookbinding	109	1,012	3,537,298	99,667	2,567,351	7,926,842
Printing and publishing	21	2,059	8,899,794	134,819	6,078,902	23,111,267
Publishing (only) of periodicals	118	296	626,442	—	1,623,124	3,687,775
Trade composition	3	27	67,090	1,320	2,770	99,904
Totals	271	3,796	14,815,058	278,410	11,704,047	38,964,181
Iron and steel products:						
Boilers, tanks and plate works	16	680	2,689,967	118,524	3,444,986	7,611,497
Castings, iron	15	748	3,115,145	169,170	6,093,582	10,208,626
Hardware, tools and cutlery	19	554	2,142,393	102,325	3,392,340	8,596,086
Heating and cooking apparatus	12	351	1,181,553	48,404	2,078,062	3,598,597
Machine shops	52	633	2,361,297	87,230	1,680,803	5,299,721
Machinery, industrial	39	2,134	8,176,008	258,974	8,373,300	24,407,551
Miscellaneous iron and steel products	30	445	1,743,870	118,487	3,041,669	6,492,562
Primary iron and steel	6	450	1,947,327	387,542	2,411,488	8,114,937
Sheet metal products	31	1,007	4,131,341	207,262	13,195,071	21,333,660
Wire and wire goods	13	408	1,505,487	65,649	4,384,788	7,484,541
All other industries ⁷	8	1,842	8,361,076	247,152	15,617,182	28,960,994
Totals	241	9,252	37,355,464	1,810,719	63,713,271	132,108,772
Transportation equipment:						
Boatbuilding	40	254	826,434	28,094	812,894	1,839,008
Motor vehicle parts	17	322	1,293,136	38,333	2,024,324	4,270,488
Shipbuilding	15	2,616	11,429,140	307,567	3,119,656	22,714,906
All other industries ⁸	3	334	1,356,627	29,643	2,003,290	5,037,014
Totals	75	3,526	14,905,337	403,637	7,960,164	33,861,416
Non-ferrous metal products:						
Aluminum products	7	74	307,015	20,469	257,084	897,599
Brass and copper products	11	167	632,578	52,220	1,520,519	2,493,590
Jewellery and silverware	13	109	307,846	3,613	331,918	744,563
All other industries ⁹	5	99	394,608	37,598	1,411,726	1,958,621
Totals	36	449	1,702,047	113,900	3,521,247	6,094,373
Electrical apparatus and supplies:						
Batteries	5	65	196,510	24,561	518,087	844,611
Miscellaneous electrical apparatus and supplies	11	285	1,090,532	50,863	5,918,518	8,998,528
Telecommunication equipment	8	122	377,378	19,269	544,368	1,291,288
All other industries ¹⁰	6	319	1,405,793	23,459	2,508,575	4,809,112
Totals	30	791	3,070,213	118,152	9,489,548	15,943,539
Non-metallic mineral products:						
Clay products from imported clay	3	28	50,493	7,572	18,821	100,288
Concrete products	21	478	1,946,121	253,362	4,247,334	8,158,062
Glass and glass products	8	119	324,600	6,915	457,368	673,485
Stone products	6	98	377,491	73,125	429,895	1,302,541
All other industries ¹¹	11	247	868,766	231,830	1,820,768	4,256,684
Totals	49	970	3,567,471	572,804	6,974,186	14,491,060

See footnotes at end of table.

**Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto,
Hamilton, Windsor, Winnipeg and Vancouver, 1956 — Concluded**

VANCOUVER METROPOLITAN AREA — Concluded

Industry	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		
Chemicals and allied products:						
Gases, compressed	4	98	357,930	49,973	305,057	1,794,380
Medicinal and pharmaceutical preparations	8	36	116,727	3,903	235,813	451,005
Miscellaneous chemical products	19	148	469,929	17,715	430,739	1,037,174
Paints, varnishes and lacquers	12	281	1,019,323	57,471	2,820,506	5,453,101
Primary plastics	3	103	377,937	40,354	3,608,695	5,641,704
Soaps, washing compounds and cleaning preparations	13	88	210,942	14,743	431,039	1,564,558
Toilet preparations	3	4	3,310	640	4,890	14,460
All other industries ¹²	14	134	433,807	57,648	3,084,783	3,928,108
Totals	76	892	2,989,905	242,447	10,921,522	19,884,490
Miscellaneous manufacturing industries:						
Brooms, brushes and mops	6	72	220,582	4,061	283,125	628,404
Ice, artificial	5	30	71,085	37,232	20,190	235,580
Lamps, electric and lamp shades	5	59	157,693	9,290	306,392	544,739
Models and patterns (excluding paper)	5	30	145,167	2,640	27,787	217,615
Orthopaedic and surgical appliances	6	15	46,145	2,282	32,278	119,828
Plastic products	9	63	153,520	11,301	340,441	614,614
Instruments and related products	3	12	40,823	2,866	4,698	62,829
Signs, electric, neon and other	31	503	2,000,580	54,327	1,610,316	4,522,904
Sporting goods	9	74	171,876	10,067	198,524	421,580
Stamps and stencils, rubber and metal	7	62	174,168	6,282	77,638	382,867
Statuary, art goods, regalia and novelties	6	14	22,855	2,551	12,391	44,388
Umbrellas	3	18	43,821	2,617	94,855	198,450
All other industries ¹³	7	29	83,823	4,362	127,463	353,586
Totals	102	981	3,332,138	149,878	3,136,098	8,347,384
All other major groups: ¹⁴						
Totals	8	1,108	5,116,011	1,559,603	40,593,687	72,062,234
Grand totals, Metropolitan Vancouver	1,768	56,253	206,967,222	11,876,376	509,961,072	918,584,332

¹ Includes: Animal oils and fats, 2; biscuits, 2; distilled liquor, 3; flour mills, 1; macaroni and kindred products, 3; sugar refining, 1; wines, 1.

² Includes: Leather tanning, 2; miscellaneous leather goods, 6.

³ Includes: Automobile accessories, fabric, 1; bags, cotton and jute, 2; cordage, rope and twine, 3; cotton yarn and cloth, 1; dyeing and finishing of textiles, 1; embroideries, pleating, hemstitching, etc., 4; linoleum and coated fabrics, 1; miscellaneous cotton goods, 2; woollen cloth, 3; miscellaneous woollen goods, 2.

⁴ Includes: Fur dressing and dyeing, 1; hats and caps, 1; miscellaneous clothing, 2; knitting mills, 1; other knitted goods, 2.

⁵ Includes: Beekeepers and poultrymen's supplies, 1; cooperage, 2; flooring, hardwood, 1; woodturning, 2.

⁶ Includes: Pulp and paper mills, 2; roofing paper, 2.

⁷ Includes: Agricultural implements, 2; fabricated and structural steel, 4; machinery, household, office and store, 2.

⁸ Includes: Motor vehicles, 2; railway rolling stock, 1.

⁹ Includes: Miscellaneous non-ferrous metal products, 1; white metal alloys, 4.

¹⁰ Includes: Machinery, heavy, electrical, 3; refrigerators, vacuum cleaners and appliances, 3.

¹¹ Includes: Asbestos products, 2; clay products from domestic clay, 4; gypsum products, 1; lime, 1; miscellaneous non-metallic mineral products, 3.

¹² Includes: Acids, alkalis and salts, 1; adhesives, 3; coal tar distillation, 1; fertilizers, 3; inks, 3; polishes and dressings, 2; vegetable oils, 1.

¹³ Includes: Candles, 1; fountain pens and pencils, 1; hair goods, 2; musical instruments, 1; toys and games, 1; typewriter supplies, 1.

¹⁴ Includes: Tobacco, cigars and cigarettes, 1; rubber goods, 4; coke and gas products, 1; petroleum products, 2.

The Following Municipalities are Included in Greater Vancouver

Municipality	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		
Vancouver (city proper)	1,299	36,052	131,540,861	6,326,318	299,290,344	534,658,163
New Westminster	111	6,286	23,194,681	1,605,502	62,687,765	110,956,033
North Vancouver	73	2,991	12,190,246	571,859	14,229,693	36,624,624
Port Coquitlam	8	83	307,237	34,682	344,045	670,834
Port Moody	8	762	2,679,076	91,960	8,375,205	11,604,313
Burnaby District Municipality	100	4,222	16,973,469	2,160,563	66,988,799	124,750,563
Richmond District Municipality	68	3,103	10,321,574	799,709	37,104,950	61,291,708
Surrey District Municipality	49	715	2,026,800	133,600	6,846,642	10,444,303
All other ¹	52	2,039	7,733,278	152,183	14,093,629	27,583,791
Totals	1,768	56,253	206,967,222	11,876,376	509,961,072	918,584,332

¹ Includes: Coquitlam District Municipality; Delta District Municipality; Fraser Mills District Municipality; North Vancouver District Municipality; University Endowment Area; West Vancouver District Municipality; Unorganized Indian Reserves.

APPENDIX II

Alphabetical List of the Products Reported as having been Manufactured in Canada in 1956

The appended list of the products of Canadian manufacturing industries presents the value and in most cases the quantity of the individual products in a much more detailed form. Prior to 1927, in presenting statistics of manufacturing production, the whole production of an establishment was taken as a unit. This not only prevented the presentation of production figures for specific products in detail, but also involved numerous inaccuracies in the production statistics of classes of commodities, owing to the fact that commodities which may be the major line of production in one establishment may also be products of secondary importance in another establishment where the major line of production puts the establishment into a different class. The statistics which follow, however, have been compiled by taking from the individual returns of each of the 37,428 manufacturing establishments covered, the value and, when given, the quantity of each commodity specified as produced by the establishment. In this way, detailed production figures are obtained for specific commodities and, furthermore, the total production of each commodity is brought together, no matter how varied may be the operations in different establishments producing it. Nevertheless it should be pointed out to those making use of these figures that there is one element of incompleteness about them. In the returns of many manufacturers, products of minor importance are grouped under the name "all other products". As will be seen from the group at the end of the list, the value of products not specified, while they may appear unimportant to the individual manufacturer, are, in the aggregate, a large amount, especially in the industries of two of the larger groups. It is obvious that one manufacturer may consider a product of insufficient importance to report separately for his establishment, while that same product may be reported separately by other establishments. In other words, included in the value of other products not specified at the end of the list, there are doubtless values which, had the products been specified by manufacturer, would have been included in values of commodities appearing on the list. However, the products not specified total only about 2.1 per cent in value of the whole manufacturing production, although in the iron and steel group this proportion is 5.1 per cent and in transportation equipment 7.2 per cent. With the exception of these groups, therefore, the incompleteness of the figures on this account is insignificant.

There is no duplication in the listing of products, nor do any of the items, include products listed in more detail under another name. It is possible, however, that essentially the same commodity produced in different establishments may have been called by different names; in such a case, which is probably a very rare one, the items would appear separately in the following list.

It should be noted that a shipments' concept instead of the value of production concept was adopted in 1952. Items still collected on a production basis are marked with an asterisk.

Alphabetical List of Commodities, 1936

Note: In 1952 and subsequent years the basis of collection, is "Value of Factory Shipments" instead of "Gross Value of Products". However, the commodities marked * are still on a production basis.

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Abrasive cloth	—	—	1
Abrasive paper	—	—	1
Abrasive wheels and segments	—	—	7,206,636
Abrasives, not specified (see also "Alumina, crude" and "Silicon carbide")	—	—	1,527,311
Absorbent cotton	—	—	1
Accelerators, synthetic	—	—	1
Acetaldehyde	—	—	1
Acetate, normal propyl	—	—	1
Acetic anhydride	—	—	1
Acetone	lb.	20,290,861	1,358,127
Acetylene in cylinders or pipe line	cu. ft.	304,252,643	7,746,166
Acid, acetic, glacial, 99 1/2 %	—	—	1
Acid, adipic	—	—	1
Acid, citric	—	—	1
Acid, fatty, coconut, tallow, etc.	lb.	12,475,316	1,637,110
Acid, hydrochloric (Muriatic)	"	41,726,921	1,355,851
Acid, hydrofluosilicic	—	—	1
Acid, monochloro acetic	—	—	1
Acid, nitric	—	—	1
Acid, phosphoric	—	—	1
Acid, stearic	—	—	1
Acid, sulphuric:			
Quantity made	ton	1,053,893	—
Quantity shipped	"	907,314	11,725,431
Acids, not specified	—	—	529,458
Adhesives, n.e.s.	—	—	3,535,366
Advertising matter, printed, n.e.s.	—	—	54,169,803
Advertising novelties and displays (see "Displays" and "Novelties")	—	—	1
Agitators, mining and metallurgical	—	—	1
Agricultural implements and parts, n.e.s.	—	—	20,207,541
Air conditioning equipment n.e.s.	—	—	5,376,687
Aircraft and parts:			
Aircraft completed during the year*	—	—	94,625,746
Aircraft being built but not completed	—	—	54,905,103
Aircraft repairs (Value of work done)	—	—	43,831,399
Aircraft parts manufactured*	—	—	85,526,471
Value of work done on developing aircraft and engines, (including other products n.e.s.)	—	—	134,676,480
Value of work done in 1955 on aircraft completed in 1956	—	—	47,925,788
Albumen, powdered (Included in "Egg substitute")	—	—	1
Alcohol, butyl	—	—	1
Alcohol, industrial, (produced)	pf. gal.	6,110,419	1,999,065
Alcohol, industrial, (sold):			
Denatured:			
Antifreeze	st. gal.	96,760	124,170
Perfume manufacturing	" "	324,369	329,539
Rubbing alcohol	" "	161,432	142,495
Solvents and cleaning fluids	" "	1,197,744	1,005,014
Other, including that for hospitals, research, etc.	" "	578,781	505,471
Not denatured	pf. gal.	3,557,127	1,672,167
Alcohol, isopropyl	—	—	1
Alcohol, normal propyl	—	—	1
Alkylation feed stocks*	—	—	1
Alloys, cutting	—	—	1
Alloy, die casting	lb.	12,267,906	2,036,482
Almond paste	"	92,861	39,237
Alumina, fused (crude)	ton	181,130	17,636,382
Alumina, fused (abrasive grains)	—	—	1
Alumina, hydrate	—	—	1
Aluminum bars, rods and ingots	—	—	1
Aluminum extruded shapes	lb.	23,220,382	12,616,990
Aluminum fluoride	—	—	1
Aluminum sulphate	—	—	1
Aluminum products, n.e.s.	—	—	1
Ammonia, anhydrous	—	—	9,406,914
Ammonia, aqua	ton	1,151	82,442
Ammonia, powder	"	761	134,454
Ammonium chloride	—	—	1
Ammonium nitrate (regular)	—	—	1
Ammonium nitrate (fertilizer grade)	2	—	2
Ammonium phosphate	2	—	2
Ammonium sulphate, other than milled, screened and bagged	2	—	2
Ammonium sulphate, milled, screened and bagged	ton	265	13,892
Ammunition (see "Munitions and war supplies")	—	—	—
Antibiotics, including penicillin and streptomycin, etc.	—	—	8,729,724
Anti-freeze preparations, glycol type	—	—	6,964,622
Anti-freeze, alcohol type (see "Alcohol, industrial, denatured, sold")	—	—	1
Apple butter	—	—	1
Apple juice (included in "Fruit Juices")	—	—	1
Apple juice concentrate	—	—	1
Apple pomace, chop and waste	lb.	1,219,514	21,766
Apples, evaporated and dehydrated	"	1,262,557	340,182
Aprons, plastic, rubber, etc.	—	—	256,629
Aprons, fabric:			
Children's	doz.	14,742	49,143
Men's and youths'	"	13,956	147,618
Women's and misses'	"	176,414	1,027,840
Not specified	—	—	310,036

¹ Indicates that the commodity was reported by one or two concerns.

² Included in "Fertilizers, other than mixed".

Alphabetical List of Commodities, 1956 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Archery tackle	—	—	238,891
Armlets and sleeve supporters	doz. pr.	6,489	18,255
Artists' brushes (included in "Brushes, other, not specified")	—	—	—
Artware, pottery (see also "Pottery")	—	—	346,897
Art needlework	—	—	83,225
Art work (printing)	—	—	3,417,036
Asbestos products, including clutch facings	—	—	3,581,664
Asphalt*	Imp. gal.	295,756,322	35,808,249
Asphalt emulsion	" "	17,989,606	3,660,081
Asphalt products, n.e.s.	—	—	2,400,647
Atomizers	—	—	—
Automobiles, commercial:			
5,000 lbs. or less:			
For sale in Canada	No.	39,179	57,234,671
For export	"	3,596	3,647,065
5,001 to 10,000 lbs.:			
For sale in Canada	"	13,000	21,280,662
For export	"	356	398,689
10,001 to 14,000 lbs.:			
For sale in Canada	"	4,060	8,240,684
For export	"	1,001	992,006
14,001 to 16,000 lbs.:			
For sale in Canada	"	5,013	11,286,819
For export	"	3,058	1,819,565
16,001 to 19,500 lbs.:			
For sale in Canada	"	10,985	29,082,661
For export	"	399	565,412
19,501 to 26,000 lbs.:			
For sale in Canada	"	10,685	38,956,469
For export	—	—	—
Over 26,000 lbs.:			
For sale in Canada	No.	1,825	10,775,595
Automobiles, passenger:			
Convertible cars:			
Soft top:			
For sale in Canada	"	2,754	5,951,448
For export	"	32	54,910
Hard top:			
For sale in Canada	"	56,790	115,576,422
For export	"	1,018	1,483,834
Permanent closed cars:			
2 Door sedan or coupe:			
For sale in Canada	"	72,094	116,601,175
For export	"	267	426,087
4 Door sedan:			
For sale in Canada	"	198,610	348,211,656
For export	"	12,537	16,075,772
Station wagon type:			
For sale in Canada	"	19,560	37,826,524
For export	"	725	1,078,139
Chassis (sold without bodies):			
For sale in Canada	"	1	500
For export	"	9,924	3,237,175
Buses or coaches:			
Complete units:			
For sale in Canada	"	273	5,818,867
Chassis only	"	123	136,898
Automobile, bus and truck bodies and cabs	—	—	22,091,980
Automobile bumpers and bumperettes	—	—	8,612,286
Automobile cloth	lb.	937,899	1,781,490
Automobile parts and accessories, not specified	—	—	196,585,992
Awnings, aluminum	—	—	1,821,574
Awnings, fibreglass	—	—	47,909
Awnings and verandah curtains, fabric	—	—	2,274,281
Axes and hatchets	No.	512,058	1,012,722
Axles and shafts, automobile	"	123,648	5,698,204
Babies' high chair sets, commodes and other baby supplies	—	—	597,393
Babbitt metal	lb.	2,963,491	1,194,011
Badges (included under "Regalia")	—	—	—
Bags:			
Cotton	—	—	10,297,746
Jute	No.	81,791,888	14,207,677
Garment, fabric	doz.	30,160	326,892
Garment, plastic	—	—	—
Hand, leather	No.	863,399	4,047,830
Hand, other	—	—	3,779,981
Hand, parts	—	—	31,639
Shopping, sports, etc., leather	No.	78,637	433,624
Shopping, sports, etc., fabric	—	—	656,562
Sleeping	No.	313,227	1,769,353
Club bags, suit cases and other hand luggage	—	—	8,338,593
School bags	No.	396,328	579,984
Fabric bags, not specified	—	—	791,745
Fabric bags, repaired	—	—	2,022,028
Bags, paper:			
Glassine, waxed paper, grease proof paper, etc.	lb.	8,800,482	4,574,139
Millinery, garment and laundry	—	—	2,194,718
Self-opening	lb.	63,833,743	9,704,832
Wedge, including notion and novelty bags	"	11,049,779	2,689,341
Paper, not specified, including multiwall	—	—	33,074,929
Bags, plastic (see also "Bags, garment")	—	—	10,159,845

* Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Bags, not specified	—	—	362,547
Bags, rubber, air and steam	No.	14,615	303,375
Bakers' equipment, not specified	—	—	43,255
Bale ties - Quantity made	ton	4,485	—
Quantity shipped	"	4,435	1,047,953
Balls, grinding	—	—	3,625,027
Ball and rod mills, grinding	—	—	2,379,322
Balloons	gr.	212,953	439,843
Balls, baseball	doz.	19,573	252,467
Balls, golf, complete	—	—	1
Balls, softball	doz.	26,513	301,473
Balls, other, including bladders for footballs	—	—	793,552
Barley, pot and pearl	—	—	249,930
Barn and stable equipment, not elsewhere specified	—	—	1,620,042
Barrels, wooden:			
Apple, etc.	No.	405,647	865,129
Fish, slack	—	13,104	25,420
Fish, tight	"	55,783	174,874
Flour, sugar, etc.	"	32,594	61,941
Oil, vinegar, water, etc.	—	—	1
Whiskey, beer, etc.	—	—	1
Barrels, steel	No.	1,494,805	5,162,820
Barrels, repaired	—	—	631,690
Barrels, n.e.s.	—	—	117,388
Bars and ingots, aluminum (see "Aluminum bars, rods and ingots")	—	—	1
Bars and rods, brass and bronze	—	—	—
Bars, iron and steel:			
Hot rolled, of all grades:			
Quantity made	ton	635,644	—
Quantity shipped	"	487,993	74,906,798
Cold rolled and drawn:			
Quantity made	"	46,661	—
Quantity shipped	"	46,162	14,513,166
Concrete reinforcing	—	—	41,537,497
Basket bottoms	No.	9,599,268	273,540
Baskets and crates, fruit and vegetable	—	—	3,431,314
Baskets, other, not specified	—	—	291,385
Bathing caps	doz.	35,406	191,195
Bathing shoes	—	—	1
Bathing suits	doz.	232,045	6,472,185
Bath mats and sets	—	—	1,066,195
Bathrobes, kimonos, lounging jackets, etc:			
Cotton:			
Women's and misses'	doz.	38,921	1,509,116
Children's	"	17,892	311,408
Rayon and silk:			
Women's and misses'	"	30,878	2,084,400
Men's and youths'	"	10,720	917,509
Children's	"	655	18,746
Wool and flannel:			
Women's and misses'	"	21,728	752,156
Men's and youths'	"	5,957	712,963
Children's	"	1,418	31,350
Not specified	"	—	—
Women's and misses'	"	11,594	810,745
Men's and youths'	"	3,578	195,042
Children's	"	1,540	16,455
Other	"	—	340,474
Bats, baseball	No.	127,002	83,841
Batteries:			
Storage, for automobiles and other internal combustion engines	"	2,224,527	22,161,548
Storage, for railway service (cells)	"	24,798	1,024,215
Storage, for farm lighting plants (cells)	"	23,781	234,233
Storage, for direct motive power (industrial trucks, mine locomotives, etc.)	"	3,615	2,086,854
Storage, for all other purposes	—	—	1,772,344
Dry cell, 6 in. batteries	No. of cells	1,767,879	973,877
Dry cell, radio, for portable sets	"	17,372,462	973,358
Dry cell, radio, non-portable sets	"	22,829,947	2,174,457
Dry cell, flashlight	"	29,273,855	2,774,050
Dry cell, hearing aid "A"	—	—	888,446
Dry cell, hearing aid "B"	—	—	—
Dry cell, all other	—	—	—
Parts and supplies for batteries	—	—	2,789,143
Battery containers, covers, etc.	—	—	3,221,530
Batts, wadding, and rolls including auto batts (see also "Flocks")	—	—	5,155,843
Bearings, ball, roller, pillow blocks, engines and other bearings, not specified	—	—	10,101,525
Beauty parlour equipment (see also "Hair dressing accessories")	—	—	686,999
Beds and couches:			
Beds, metal	No.	109,467	1,897,615
Studio couches, metal and other	"	51,763	3,654,905
Couches, other than studio, metal	"	20,547	271,152
Cots and bunks, metal	"	129,768	1,082,177
Cribs, metal	"	4,570	85,107
Beds, camp	"	3,888	24,554
Bedspreads and bed sets:			
Cotton	"	542,134	3,018,303
Silk, rayon and rayon mixtures	"	30,720	326,772
Not specified	"	2,291	23,398
Beef extract	—	—	1
Beekeepers' supplies, n.e.s.	—	—	187,499

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Beer, ale, stout and porter (sales):			
Bottled and canned	gal.	166,379,043	283,783,113
Draught	"	48,599,788	55,690,746
Beer, spruce	case	166,394	168,066
Beet pulp, wet and dried	ton	116,331	1,757,757
Belt, leather (transmission)	lb.	209,149	948,920
Belt, rubber	"	—	11,945,233
Belts, automobile, fan	No.	1,745,369	1,221,474
Belts, body, not specified	"	—	4,740,272
Belts, garter	doz.	115,613	944,922
Belts, rubber, other	lb.	831,848	946,627
Belts and aprons, sanitary	"	—	46,947
Benzol	"	—	5,557,876
Bicycles	No.	100,460	3,095,846
Bicycle parts	"	—	451,145
Billiard and bowling supplies n.e.s.	"	—	1,978,941
Binders, loose-leaf and other	No.	7,611,447	4,392,304
Binders, grain	"	312	142,732
Binding and stitching (trade work)	"	—	3,323,985
Bindings (see also "Tapes"):			
Cotton	"	—	1,135,257
Rayon and rayon mixtures	"	—	737,622
Other	"	—	409,416
Bins and hoppers	"	—	2,014,968
Biologicals and vaccines	"	—	5,296,054
Biscuits, plain and fancy	lb.	206,375,937	60,248,076
Biscuits, soda	"	45,619,047	11,372,618
Black, acetylene	"	—	1
Black (carbon black)	"	—	1
Blackboards, asbestos and other	"	—	151,417
Blankets:			
Cotton and cotton mixtures	pr.	1,494,276	—
All wool	lb.	4,442,152	5,493,139
Other including crib	pr.	250,670	—
Slumber throws	lb.	1,796,872	3,513,495
Blankets, electric	No.	70,469	5,548,019
Blankets and covers, horse	No.	9,225	520,750
Blankets, rubber, printers'	"	—	45,284
Blanks for window blind rollers (sawn) ..	"	—	334,939
Bleaching compound	"	—	777,767
Blinds, venetian (See "Shades and blinds")	"	—	302,118
Blood, animal, dried, edible	lb.	764,436	27,855
Blood, animal, dried, inedible	"	5,719,108	348,140
Blooms, billets, slabs and sheet bars, including blanks:			
Quantity made	ton	3,603,892	—
Quantity shipped	"	236,969	20,573,135
Blouses, women's, misses' and children's:			
Cotton, women's and misses'	doz.	406,728	7,925,725
Cotton, children's	"	122,775	1,765,231
Nylon, children's	"	13,441	1,292,793
Nylon, women's and misses'	"	47,537	1,451,063
Rayon, and rayon mixtures, women's and misses' ..	"	133,512	3,287,746
Rayon and rayon mixtures, children's ..	"	9,654	159,382
Woollen, women's and misses'	"	64,614	2,305,878
Woollen, children's	"	6,118	144,836
Other, women's and misses'	"	101,771	3,146,153
Other, children's	"	8,542	135,296
Blow torches	No.	118,846	1,907,104
Blowers for domestic furnaces	"	—	1
Blue, laundry	No.	109	143,568
Boats, life and whale	"	610	2,016,154
Boats, motor	"	11,165	3,733,524
Boats, outboard motor	"	143	96,459
Boats, sail	"	—	2,821,730
Boats, other, including row boats, skiffs, etc. (see also "Canoes")	"	—	—
Boiler compound	No.	21,207	9,774,043
Boilers, heating, all types	"	—	17,105,458
Boilers, power	"	—	3,156,151
Boilers, range and wash	"	—	114,058
Boilers, not specified	"	—	2,373,840
Boilers and engine parts and accessories ..	lb.	11,095,035	2,691,730
Bologna and blood pudding	"	—	23,054,129
Bolts, nuts, and rivets	ton	10,451	852,602
Bone and meat, meal and flour	"	17,211	704,093
Bone, raw, ground, etc.	"	—	—
Book cloth, pyroxylin coated (included in "Fabrics, coated and impregnated")	"	—	—
Books, printed and bound, chiefly for advertising ..	copy	19,466,603	5,277,934
Books, printed and bound, not chiefly for advertising ..	"	35,404,359	15,346,863
Books and pads, drawing, exercise, scribblers, etc. n.e.s.	"	—	4,218,776
Books, ledger and account	No.	1,368,943	1,623,955
Books, counter, check, sales, etc.	"	23,569,498	2,530,105
Books, blank, bound, not specified	"	4,401,576	1,311,570
Boron carbide	"	—	1
Bottles, paper, milk	"	—	1
Bottles, plastic	"	—	1
Bottles, thermos	"	—	1
Bowling supplies (included in "Billiard and bowling supplies")	"	—	—
Box toes	pr.	14,208,323	478,032

1 Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Boxes, paper:			
Corrugated, including wrappers, etc., (see also "Wrappers")	M. sq. ft.	5,779,491	93,670,318
Fibre board	"	80,492	1,540,182
Folding	"	—	65,270,361
Set-up	"	—	14,662,508
Not specified	"	—	59,342
Boxes, plastic	"	—	670,283
Boxes, wooden:			
Apple and other fruit	No.	222,542	141,052
Berry	"	20,515,514	331,264
Butter	"	1,774,217	1,223,176
Cheese	"	466,809	289,244
Cigar	"	—	1
Fish	No.	1,497,806	1,159,249
Meat	"	782,824	670,497
Veneer and plywood	"	—	3,464,806
Not specified	"	—	6,499,131
Boxes, other, not specified	"	—	1,107,085
Box panels, plywood	set	121,170	898,388
Braids and gimps	"	—	1,549,756
Brake fluid	gal.	352,270	1,155,013
Brake beams (railway car) and parts	"	—	1,254,663
Brakes, auto, and parts	"	—	5,045,924
Brakes, brake shoes and parts	"	—	4,540,253
Bran	ton	292,943	12,581,457
Brass and bronze ingots	"	17,947	12,795,841
Brass and bronze products, not specified	"	—	2,738,503
Bread	ton	803,473	186,060,605
Breakfast foods (see "Cereal products")	"	—	149,133
Brewery and distillery equipment, n.e.s.	"	—	5,252,971
Bricks, cement	M	135,600	24,035,165
Bricks, domestic clay	"	519,101	1,211,634
Bricks, sand-lime	"	43,217	940,579
Briquettes, coal and coke	"	—	—
Bronze ingots (see "Brass and Bronze ingots")	"	—	—
Brooms:			
Corn	doz.	245,293	3,006,347
Fibre	"	50,977	561,622
Hair	"	6,332	210,943
Plastic	"	2,216	29,882
Toy	"	16,136	63,020
Other	"	6,359	186,320
Brushes:			
Clothes	"	23,457	185,152
Cosmetic	"	45,296	397,328
Generator and motor	"	—	1
Hair	doz.	122,329	834,913
Nail	"	64,932	98,227
Paint	"	518,140	4,138,274
Shaving	"	14,994	148,289
Shoe	"	53,614	175,536
Tooth	"	420,741	583,879
For household purposes	"	741,378	1,567,373
For industrial use	"	281,201	1,652,210
Other, including artists'	"	—	683,416
Brush blocks, backs, etc.	"	—	125,904
Buckles, clips, etc.	"	—	534,296
Buffing composition	"	—	527,324
Bufs, polishing, cotton, etc.	"	—	1,130,045
Building blocks, hollow cement, cinder, sand-lime, etc.	No.	158,030,708	34,795,484
Building boards:			
Asbestos cement boards and sheets	"	—	1
Gypsum wallboard	sq. ft.	301,731,334	11,779,191
Paperboard	"	2,040,838	235,867
Wood fibre:			
Rigid insulating	ton	150,405	15,470,686
Other soft boards	"	10,196	1,127,206
Hardboard	"	74,945	8,092,963
Particle board	M. sq. ft.	10,256	1,167,996
Other, including bonded boards, panelling, etc.	"	—	2,059,216
Buildings (houses, etc.) prefabricated	"	—	13,042,338
Bungs, barrel	"	—	53,330
Buns	"	—	31,281,564
Burlap products	"	—	43,609
Burners, gas, conversion, etc.	"	—	593,030
Butane (included in "Gases, liquefied petroleum")	"	—	—
Butter, whey, factory made	lb.	2,193,976	994,943
Butter, other, factory made	"	304,834,727	176,946,111
Buttons:			
Celluloid	gr.	48,225	207,750
Covered	"	30,350	143,470
Plastic	"	929,141	1,165,543
Metal	"	401,075	435,382
Moulded	"	4,109,396	1,584,324
Pearl	"	47,950	90,480
Not specified	"	—	425,263
Button covering, hemstitching, etc.	"	—	1,512,350
Butyl acetate	"	—	1
Butyraldehyde	"	—	1
Cabinets, ice cream	No.	3,160	1,296,329

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Cabinets, phonograph, radio and television	No.	667,259	13,196,899
Cabinets, silverware	"	—	1
Cabinets, other, including shower	"	—	467,962
Caffeine	"	—	1
Calcium acid phosphate	"	—	1
Calcium carbide	"	—	1
Calcium chloride	"	—	1
Calcium cyanide, n.e.s. (Fertilizer grade included in "Fertilizers, other than mixed")	"	—	1
Calcium naphthenate	"	—	—
Calendar pads and cards	"	—	651,476
Calks, horseshoe	"	—	21,329
Camel back	lb.	14,580,025	5,652,124
Cameras	"	—	1
Candles and cierges:			
Household	"	—	578,762
Church, chapel and synagogue	"	—	2,134,400
Wax lights in tumblers	"	—	1
Candy sticks	"	—	1
Canoes (see also "Boats")	"	—	391,279
Cans, metal, cream and milk	"	—	750,078
Cans, metal, for food	"	—	62,289,943
Cans, metal, non food	"	—	28,285,575
Cans, garbage and ash	"	—	1,516,457
Cans, paper or fibre, with paper or metal ends	No.	82,673,660	2,269,060
Cans, all paper or fibre	"	—	—
Canvas and canvas goods, n.e.s.	"	—	78,981
Capacitors, (Static condensers for power factor correction)	"	—	6,745,237
Caps:			
Cloth	doz.	280,336	2,961,709
Cotton	"	139,707	549,855
Fur (see also "Hats and caps, fur")	"	4,190	84,460
Leather	"	7,517	124,879
Sport	"	140,111	1,026,947
Uniform	"	36,473	624,085
Not specified	"	—	73,216
Caps, bottle:			
Metal, all kinds	"	—	13,130,169
Paper, milk bottle	M.	1,378,562	1,402,665
Paper, other, not specified	"	64,000	110,000
Plastic	"	—	973,142
Not specified	"	—	215,326
Caramel butter	"	—	1
Carbonated beverages	gal.	123,205,120	107,729,748
Carbon dioxide (cylinders and solid)	"	—	1
Carbon bisulphide	"	—	1
Carbon tetrachloride	"	—	1
Carbon products, not specified	"	—	158,673
Carbons, illuminating	"	—	—
Carboxel (see "Sodium carboxymethyl cellulose")	"	—	—
Cards, greeting	M.	481,996	13,211,971
Cards, playing	"	—	1
Cards, visiting	"	—	145,771
Cards, sample, swatch, display, etc.	"	—	1,403,790
Cards, tabulating and time clock	"	—	3,567,081
Carpets, mats and rugs:			
Carpets in rolls, including stair:			
Axminster	sq. yd.	572,847	2,514,108
Wilton	"	674,269	4,968,928
Tapestry and velvet	"	561,176	3,812,859
Tufted	"	668,644	2,382,683
Other, not specified	"	19,286	38,302
Squares made on Axminster or other looms:			
Axminster	"	407,309	2,280,782
Other	"	23,014	119,041
Cocoa mats and matting	"	—	—
Rugs, wool, cotton, hooked, etc.	"	—	1,071,166
Rugs made from old carpets	"	—	1,070,609
Carpet sweepers	"	—	1
Carriages, sulkies, etc., baby	No.	198,464	3,348,589
Carriages, doll	"	231,981	1,028,887
Carriages and wagons (see "Vehicles and Wagons")	"	—	—
Carriage and wagon boxes	"	815	148,787
Carriage and wagon materials	"	—	36,740
Carriers, litter	"	—	1
Cars, steam, railway, new*	No.	9,221	70,980,820
Cars, dump, hand, push and other n.s.	"	1,857	1,516,102
Carts, concrete	"	—	1
Carvings of wood	"	—	1
Casein, dried	lb.	7,763,466	2,096,178
Casein, green	"	4,154,150	547,130
Cases, clock	"	—	115,477
Cases, jewellery	"	—	1,584,791
Cases, key, card, cigarette, utility, etc.	No.	1,196,779	975,984
Cases, portfolios, brief, etc.	"	459,789	2,070,566
Cases, toiletware	"	—	1
Cases, other, not specified	"	—	324,898
Caskets and coffins (completely assembled):			
Wooden, hardwood	No.	42,663	3,873,281
" imitation hardwood	"	7,156	412,790
" cloth covered	"	64,735	3,081,835
" not specified	"	495	10,010

* Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Caskets and coffins (completely assembled) - Concluded:			
Metal	No.	2,001	355,662
Shells and rough boxes	-	-	1,010,948
Casks, fish	No.	42,264	140,076
Casks, other	"	2,040	14,892
Castings:			
Aluminum	lb.	11,376,696	8,298,637
Brass and bronze	"	35,042,378	19,816,430
Copper	"	599,601	466,854
Die	"	19,637,983	11,041,666
Grey iron	-	-	49,435,436
Magnesium	lb.	722,443	2,226,701
Malleable iron	"	30,603	11,202,859
Iron, not specified	-	-	22,461
Lead	lb.	707,005	202,553
Steel:			
Quantity made	ton	120,781	-
Quantity sold	"	116,348	51,889,561
Not specified	-	-	4,386,574
Castors, all kinds	-	-	1,664,684
Catalogues, printed, etc.	-	-	16,422,405
Catsup (see "Tomato Catsup") ..	-	-	-
Caulking materials	-	-	¹
Ceiling and siding, metal	-	-	819,278
Cellulose products, n.e.s.	-	-	¹
Cement, asbestos	lb.	4,354,652	255,341
Cement, hydraulic* (including containers) ..	-	-	79,352,573
Cement, linoleum	-	-	516,920
Cement, rubber	-	-	806,777
Cement, not specified	-	-	1,807,033
Cereal products:			
Prepared (ready to serve)	lb.	90,997,520	26,743,001
Unprepared	"	18,674,483	1,817,209
Certificates, stock, bond, etc. (printed) ..	-	-	3,246,089
Chains, automobile	-	-	¹
Chains, other than automobile, including sprocket chain ..	-	-	6,723,771
Chamois products	yd.	701,075	490,815
Channel rubber	lb.	1,796,914	1,134,855
Chaplets, foundry	-	-	¹
Charcoal	ton	14,735	955,202
Cheese, Canadian cheddar	lb.	85,198,588	28,078,786
Cheese, other, whole milk	"	8,753,686	3,952,243
Cheese, skim milk and cottage	"	18,013,297	3,336,287
Cheese, process	"	45,889,387	18,826,272
Cheesecloth	yd.	1,263,133	506,973
Chemical products, n.e.s.	-	-	7,107,561
Cheques, notes, drafts, bank notes, etc. (printed) ..	-	-	5,273,943
Chests, cedar and other	No.	31,074	1,273,318
Chewing gum	box	15,030,096	10,031,150
Chicken, canned (see "Meat, canned") ..	-	-	¹
Chicory, roasted	-	-	¹
Children's sleepers (see also "Infants' wear") ..	doz.	71,712	881,653
Children's waists n.e.s.	"	9,754	62,146
Chloride of lime	lb.	628,825	72,324
Chlorine, liquid	"	229,317,171	7,274,510
Chloroform	-	-	¹
Chocolate drink included in "Food drinks, liquid".	-	-	¹
Chocolate coating:			
Liquor	-	-	¹
Sweetened:			
For own use	lb.	13,324,227	-
For sale	"	10,820,931	2,938,466
Choppers and grinders, food	-	-	192,782
Churns	No.	13	64,585
Cider (for sale)	gal.	164,956	81,698
Cigars ²	M.	260,900	19,723,097
Cigarettes ²	"	27,343,996	366,114,213
Classifiers, metal-working	-	-	328,193
Clay, bentonite and other	-	-	393,050
Cleaners, vacuum and parts	-	-	9,923,714
Cleaner, hand	lb.	992,718	160,079
Cleaner, automobile, fabric, floor, etc.	-	-	1,084,811
Cleaning and scouring powders and pastes ..	lb.	40,607,033	5,930,200
Cleaning preparations, n.e.s.	-	-	3,125,572
Clips and staples, wire	-	-	935,033
Clocks	No.	1,346,677	4,219,024
Cloth, gummed	-	-	¹
Clothes hampers	-	-	292,460
Clothes driers, electric, etc.	-	-	8,289,787
Clothes line	-	-	155,848
Clothes pins, wood	-	-	838,931
Clothing, hospital	-	-	1,302,331
Clothing military, n.e.s. (see also "Jackets", "Pants" and "Suits") ..	-	-	228,998
Clothing, oiled and waterproofed, n.e.s. (see also "Raincoats" and "Pants, rubberized and oiled") ..	-	-	¹
Clothing, plastic, n.e.s. (see also "Aprons", "Raincoats" and "Coats and capes") ..	-	-	1,374,607
Clothing, rubber n.e.s.	-	-	59,509
Clothing, safety	-	-	444,313
Clothing n.e.s.	-	-	552,812
Clothing n.e.s.	-	-	1,651,597

¹ Indicates that the commodity was reported by one or two concerns.² Includes excise duties and sales tax.

Alphabetical List of Commodities, 1956 — Continued

Items	Unit of measure	Quantity	Value of factory shipments \$
Clothing, sport:			
Shorts:			
Women's and misses':			
Cotton	doz.	26,350	381,474
Other, including wool and wool mixtures	"	43,014	565,087
Men's and youths':			
Cotton	"	31,707	629,357
Not specified	"	5,389	106,426
Boys':			
Cotton	"	3,493	43,956
Children's:			
Cotton	"	50,502	476,295
Rayon	"	5,112	64,591
Wool and wool mixtures	"	12,391	159,837
Not specified	"	23,804	239,163
Slacks and jeans:			
Women's and misses':			
Cotton (including jeans)	No.	1,918,837	4,522,934
Rayon	"	200,972	552,791
Wool and wool mixtures	"	247,324	1,233,819
Not specified	"	16,546	53,645
Men's and youths': (see "Pants and slacks")			
Children's:			
Cotton (including jeans)	"	1,676,631	2,303,720
Rayon	"	158,330	274,542
Wool and wool mixtures	"	291,495	648,267
Not specified	"	61,965	73,173
Not specified	—	—	22,608
Suits, sport:			
Ski and snow suits:			
Women's and misses'	No.	23,113	312,491
Children's	"	800,582	3,888,504
Other sport suits:			
Women's and misses'	"	117,000	539,277
Children's:			
Cotton	"	25,344	45,176
Wool and wool mixtures	"	24,400	175,000
Rayon	"	27,025	111,377
Not specified	"	8,936	52,664
Not specified	—	—	710,915
Clothing, sport, (baseball, gym and athletic) see also ("Pants, hockey, soccer, etc."): —			1,508,731
Clothing, sport, other			
Coats and jackets:			
Men's and boys' overcoats and top coats:			
Regular models:			
Boys'	No.	48,708	531,540
Men's and youths'	"	718,463	20,054,483
Station wagon (except short length):			
Boys'	"	1,796	14,113
Men's and youths'	"	7,004	114,155
Women's and misses' coats:			
Regular models:			
Rayon	"	92,207	1,182,736
Woollen	"	1,372,848	33,744,411
Other	"	66,441	2,124,477
Station wagon	"	50,711	570,917
Children's coats:			
Regular models:			
Woollen	"	913,626	8,974,453
Rayon	"	97,907	742,601
Not specified	"	17,287	96,788
Station wagon	"	39,533	373,382
Other coats, not specified	—	—	163,648
Boys' separate jackets (civilian)	No.	201,691	884,000
Men's and youths' separate jackets:			
Civilian	"	575,149	10,180,359
Military	"	213,950	2,252,978
Women's and misses' separate jackets:			
Wool and mixtures	"	81,207	1,089,241
Rayon and mixtures	"	144,313	843,691
Cotton	"	56,005	568,646
Other	"	78,954	518,508
Children's separate jackets:			
Wool and mixtures	"	334,630	900,692
Cotton	"	123,184	321,155
Rayon and mixtures	"	23,601	74,133
Other	"	14,320	28,320
Coats, blazers and jackets, not specified	"	372	5,622
Coats, short (including windbreakers, mackinaws, parkas, leather coats, vests, etc.):			
Wool and wool mixtures:			
Men's and youths'	doz.	86,682	8,633,914
Boys'	"	66,483	2,578,920
Children's (under 14)	"	15,389	747,155
Women's and misses'	"	3,420	384,701
Not specified	"	1,083	154,000
Cotton:			
Men's and youths'	"	58,462	3,855,831
Boys'	"	23,644	894,264
Children's (under 14)	"	20,864	682,654
Women's and misses'	"	14,379	1,005,853
Not specified	"	3,353	280,310

Alphabetical List of Commodities, 1956 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Coats and jackets - Concluded:			
Coats, short (including windbreakers, mackinaws, parkas, leather coats, vests, etc.)			
- Concluded:			
Leather:			
Men's and youths	doz.	34,301	4,666,371
Boys'	"	2,895	279,069
Not specified	"	2,813	382,876
Rayon:			
Children's	"	13,568	540,434
Women's and misses'	"	4,394	124,855
Not specified	"	840	50,165
Other:			
Men's and youths'	"	55,811	5,342,037
Boys'	"	20,707	1,330,541
Children's (under 14)	"	8,307	444,191
Women's and misses'	"	9,096	703,558
Raincoats:			
Plastic:			
Children's	-	-	¹
Men's and youths'	doz.	5,815	205,753
Women's and misses'	"	5,476	151,506
Rubber and rubberized:			
Children's	-	-	¹
Showerproofed and waterproofed:			
Children's	No.	50,197	345,907
Men's and youths'	"	95,374	1,021,687
Women's and misses'	"	265,929	3,729,634
Not specified	"	253,608	2,753,633
Other, not specified	"	86,914	195,810
Coats and capes:			
Oiled	-	-	7,128
Plastic	doz.	26,330	513,681
Rubber, rubberized and shower proofed	"	34,161	1,196,447
Brunch coats and house coats	"	10,120	520,069
Coats, fur:			
Children's	No.	85	7,814
Ladies' (Coats, jackets, etc.)	"	219,438	49,620,697
Men's	"	73	16,706
Coats, fur-lined (ladies')	"	473	54,458
" " " (men's)	"	1,061	197,325
Coat plates	-	-	634,143
Coating, industrial (plastic) (see also "Enamels, pipe-line")	-	-	1,037,797
Cobalt naphthenate	-	-	¹
Cocoa (made for sale)	lb.	7,238,625	3,981,878
Cocoa butter:			
For own use	"	2,021,419	-
For sale	-	-	¹
Cocoa and chocolate preparations n.e.s. (for sale)	lb.	13,965,897	6,532,124
Cocoanut, prepared and desiccated	-	-	¹
Coffee-makers, electric	No.	136,570	1,426,658
Coffee-makers, glass	-	-	445,991
Coffee, instant	lb.	5,094,805	18,487,830
Coffee, roasted	"	77,627,733	77,518,064
Coffee, substitute	-	-	¹
Coffins (see "Caskets and coffins")			
Coffins (shells or rough boxes) (see "Caskets and coffins")			
Coke, gas-house*	ton	4,331,216	65,377,694
Coke, petroleum*	"	295,402	3,736,573
Coke, pitch	-	-	¹
Cold storage equipment (see also "Refrigeration equipment")	-	-	59,210
Collars and cuffs	doz.	57,668	109,164
Collars, fur	No.	50,280	279,589
Colours, food, including caramel	-	-	566,857
Colours, dry	-	-	5,188,347
Colours, in oil and japan	gal.	59,685	310,233
Combs	doz.	2,346,555	1,093,448
Comforters:			
Cotton	No.	78,827	357,778
Down	"	5,141	100,334
Wool	"	63,792	324,651
Not specified	-	-	126,786
Communication systems (see "Radio communication equipment")			
Compacts (only), powder and rouge	No.	442,792	156,653
Compressors, air	-	-	8,032,251
Compressors and condensing units (refrigeration)	No.	39,372	2,705,068
Concentrates used for soft drinks (see also "Extracts, etc.")	gal.	455,596	5,207,230
Concrete, ready-mixed	cu. yd.	6,410,082	75,906,944
Concrete products n.e.s.	-	-	12,360,776
Condensers, evaporation (refrigeration)	No.	107	213,149
Conduit, fibre	-	-	¹
Conduit, flexible, metallic	-	-	888,697
Conduit, rigid:			
Aluminum	-	-	¹
Electrical, metallic tubing	-	-	2,055,180
Steel and non-ferrous	lb.	54,702,690	8,773,322
Conduit fittings	-	-	3,450,307
Cones, ice cream	M.	388,985	1,585,913
Cones and tubes, textile winding	-	-	1,081,936

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Confectionery, chocolate:			
In bulk	lb.	14,230,166	5,742,420
In bars	"	54,146,996	32,285,664
In packages	"	22,149,187	13,912,531
Moulded chocolate novelties	"	1,828,032	1,372,625
Not specified	"	233,495	129,851
Confectionery, marshmallow:			
In bulk	"	1,274,425	276,112
In packages	"	4,457,822	1,139,568
Confectionery, sugar:			
In bulk	"	41,118,369	9,002,437
In bars	"	2,399,687	1,108,900
In packages	"	28,829,694	8,644,597
Penny goods	gr.	4,513,525	3,682,085
Lozenges	lb.	1,920,804	348,358
Toffee:			
In bulk	"	1,222,181	369,707
In packages	"	4,864,090	1,738,371
Confectionery, not specified	"	2,359,647	1,472,308
Confectionery mixes (see "Icings and candy mixes")			
Connectors for electrical equipment	—	—	3,274,058
Containers, n.e.s.	—	—	787,632
Control and starting equipment, industrial, n.e.s.	—	—	24,433,001
Converter equipment, electrical	—	—	5,238,807
Cooking equipment, n.e.s.	—	—	411,257
Coolers, milk and other	—	—	2,703,216
Cooperage products, not specified	—	—	34,691
Copper alloys	—	—	1
Copper and copper products, n.e.s.	—	—	1
Cores for paper rolls	M lin. ft.	12,329	1,394,208
Cores for small paper rolls and mailing tubes	—	—	1,213,199
Cores, lumber	—	—	1,573,501
Cork products, n.e.s.	—	—	428,016
Corn for popping	—	—	1
Corsets, girdles, brassieres, etc.:			
Corsets and girdles	doz.	329,254	9,916,498
Combination garments	"	28,531	1,585,974
Bandeaux, brassieres, etc.	—	—	12,910,932
Suspender girdles, shoulder straps, etc.	—	—	186,034
Cosmetic containers and other cosmetic accessories, n.e.s. (see also "Compacts")	—	—	740,073
Cotton fabrics:			
Unbleached or grey	lb.	77,459,324	—
Bleached or white	yd.	214,923,209	56,059,370
Printed and painted }	lb.	13,237,875	—
Yarn and stock dyed }	yd.	42,297,046	13,998,847
Piece dyed	lb.	31,910,920	—
Not specified	yd.	97,320,110	32,746,265
Counters, shoe	pr.	22,718,727	1,168,485
Couplings, flexible, etc.	—	—	836,243
Coverings, boiler and pipe, asbestos and other	—	—	778,450
Covers, baby carriage and crib	—	—	2,853,517
Covers, boat	—	—	43,160
Covers, canvas	—	—	385,878
Covers, couch, table and other furniture	—	—	3,980,134
Covers, mattress	—	—	1,547,609
Covers, stockinette, meat (see "Knitted fabrics")	—	—	820,727
Covers, seat, automobile	—	—	3,561,163
Covers, not specified	—	—	1,871,173
Crates, shipping, auto and other	—	—	3,366,554
Crayons, wax and chalk	—	—	613,039
Cream, whey, sold in dairy factories	lb. b. f.	957,212	517,143
Cream, other, sold in dairy factories	"	28,253,577	32,404,223
Cream transferred to branches of firms reporting	"	7,638,752	5,632,564
Cream of tartar, refined	lb.	205,708	164,481
Cream separators	No.	695	68,055
Croquet sets	—	—	1
Cross arms	—	—	919,201
Crucibles, platinum	—	—	672,410
Crushers, rock and parts	—	—	3,200,121
Cuffs, fur	pr.	476	8,585
Cultivators	No.	13,726	3,752,537
Cups, paper, baking, bonbon, etc.	M	1,331,223	2,434,156
Cups, paper, drinking	"	981,365	5,521,162
Curtains, shower	—	—	430,620
Curtains, fabric	pr.	786,380	3,076,643
Curtains and drapes, plastic	doz.	51,796	676,223
Curtain rods and fixtures	—	—	2,064,286
Cushions	—	—	1,279,592
Cushion forms	—	—	127,750
Cushion tops	No.	70,860	60,332
Cushions, mats and pads, air and sponge	"	4,920	11,763
Cutting blocks and tables, butcher	—	—	155,658
Cutlery, all kinds (see also "Flatware")	—	—	3,209,980
Cyclohexonal phthalate	—	—	1
Dairy products, not specified	—	—	1,736,267
Dairy equipment, not specified	—	—	968,185
Decorations, including party favours, confetti, etc.	—	—	1,577,831
Dentifrices	—	—	9,027,361
Dentists' supplies, n.e.s.	—	—	261,405

1 Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Deodorant (personal)	—	—	2,727,925
Deodorant (not personal)	—	—	834,150
Desk sets	—	—	249,565
Detergents	lb.	155,564,694	42,406,807
Dextrine	—	—	1,467,895
Dextrose	—	—	1
Diaries, printed, etc.	No.	847,295	346,803
Dibutyl phthalate	—	—	1
Dicyandiamide	—	—	1
Dies, stamping, drawing, and cutting	—	—	1,021,306
Dies, metal working, n.e.s.	—	—	9,346,368
Dies, taps and stocks	—	—	1,153,291
Dies, rubber, etc.	—	—	580,807
Dinnerware (see "Tableware")	—	—	1
Diocetyl phthalate	—	—	1
Discs, agricultural (see "Ploughs")	—	—	1
Discs for cartridge cases	—	—	1
Dish cloths	—	—	387,518
Dishwashers, electrical, commercial and other	—	—	1
Disinfectants	—	—	1,201,263
Displays, advertising	—	—	8,729,337
Display forms, mounting, etc.	—	—	1,128,157
Distillers' grain (see "Grain, brewers' and distillers' ")	—	—	100,447
Dog collars and harness	—	—	1
Doilies and dinner cloths, paper	—	—	4,118,714
Dolls, all kinds	—	—	439,983
Dolls' furnishings and parts	—	—	2,099,965
Doors, folding	—	—	9,339,823
Doors, metal clad	—	—	16,760,130
Doors, veneer and plywood	No.	2,445,388	4,352,073
Doors, not specified	—	—	10,681,539
Doughnuts	—	—	521,596
Dowels	M lin. ft.	48,457	3,078,966
Down, processed (included with "Feathers")	—	—	1
Drapes and drapery material	—	—	1
Dresserware, plastic	—	—	1
Dresses, children's:			
Cotton	No.	2,223,829	4,600,196
Nylon	"	885,561	2,397,407
Rayon and rayon mixtures	"	641,483	1,695,987
Wool and wool mixtures	"	312,272	1,038,424
Not specified	"	43,673	115,208
Dresses, women's and misses':			
Cotton (see also "Coats, brunch coats, house coats, etc.")	"	5,474,919	23,294,595
Nylon	"	281,505	3,386,349
Rayon and rayon mixtures	"	4,836,109	40,937,680
Wool and wool mixtures	"	617,246	8,128,371
Wool, knitted suits and dresses (including children's)	"	134,772	753,309
Not specified	"	344,715	3,618,643
Dressing gowns, negligees, (see "Bathrobes, etc.")	—	—	—
Dressing, salad	lb.	27,259,238	6,897,985
Dressings and finishes, leather, (not including polish)	—	—	1,475,344
Drilling machines (metal working)	—	—	1
Drills, grain and fertilizer (combination)	No.	10,451	5,040,697
Drills, grain, press and plain	"	1,024	439,171
Drills, reamers, etc. including screw plates	—	—	18,980,873
Drills, diamond and rock	—	—	4,341,738
Drink mixers	—	—	1
Drives, V-belt	—	—	883,367
Druggists' sundries:			
Hot water bottles	doz.	24,255	190,792
Nipples and soothers	"	215,335	122,067
Ice caps and collars	"	2,795	35,807
Not specified	—	—	4,499
Drums, veneer, plywood and other	No.	130,206	191,581
Dyeing, finishing, shrinking, etc.:			
Dyeing and finishing of textiles	—	—	8,986,777
Dyeing and finishing of yarns	lb.	3,487,931	834,113
Dyeing and finishing of other products	—	—	575,816
Bleaching, sponging, dyeing, etc. (custom)	—	—	3,059,902
Dyes, blended and packaged	—	—	184,754
Dyes, leather	—	—	24,609
Ear muffs	—	—	92,693
Eavetrough and pipe (see "Roof drainage equipment")	—	—	—
Economizers	—	—	200,639
Egg cases	No.	447,891	285,748
Egg case fillers	—	—	1,034,102
Eggs, frozen	lb.	3,411,096	1,273,607
Egg substitute, including powdered albumen	—	—	9,032
Elastic products, not elsewhere specified	—	—	913,011
Electric heating elements (sold separately)	—	—	4,776,324
Electrical apparatus, parts and supplies, n.e.s.	—	—	13,925,479
Electrical instruments (see "Instruments, etc.")	—	—	—
Electrodes, carbon and graphite	—	—	1
Electrodes, platinum	—	—	1
Electronic equipment, n.e.s.	—	—	1,036,324
Electrotyping and stereotyping	—	—	9,786,655
Elevators, freight and passenger	—	—	14,804,082
Elevator parts	—	—	1,119,275
Embalming fluid	—	—	241,455
Embossing	—	—	384,464

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Embroidery	—	—	4, 477, 960
Enamels, oil and synthetics (included in "Paints and enamels")	—	—	1
Enamels, pipe-line	—	—	1
Engines, auto	No.	187, 357	39, 158, 217
Engines, auto, parts	—	—	2, 382, 223
Engines, diesel	No.	211	6, 223, 309
Engines, gasoline, all types except automobile	—	—	12, 150, 281
Engines (steam turbines, marine)	—	—	1
Engine parts	—	—	4, 787, 924
Engraving (trade work)	—	—	612, 739
Ensilage cutters	No.	86	43, 720
Ensilage and forage harvesters	"	568	816, 000
Envelopes, made	M.	4, 329, 495	17, 173, 650
Envelopes, printed	—	—	8, 797, 879
Escalators	—	—	1
Ethyl acetate	—	—	1
Ethyl hexonal	—	—	1
Ethylene	—	—	1
Ethylene oxide	—	—	1
Evaporative condensers	—	—	1
Evaporators (fin coils, ice-makers, etc.)	—	—	1, 826, 775
Excelsior, paper	—	—	178, 790
Excelsior, wood	ton	6, 876	394, 829
Excelsior, wrappers, mats and pads	No.	10, 483, 695	212, 311
Explosives	—	—	1
Extracts, flavouring (bakers', confectioners', household, etc.)	—	—	5, 282, 189
Extracts, flavouring, etc (used for soft drinks) (see also "Concentrates")	gal.	69, 299	630, 146
Fabrics, coated and impregnated, including felt saturated, book cloth and shoe materials	—	—	2, 593, 894
Fabrics, rubberized and waterproofed	sq. yd.	580, 666	242, 431
Fabrics, other, n.e.s.	—	—	1, 416, 848
Face cloths	—	—	865, 853
Facial tissue, (see "Tissues, cleansing")	—	—	700, 678
Facing and parting, foundry	—	—	361, 326
Fanning mills	No.	1, 562	2, 831, 621
Fans, electric	"	214, 187	648, 305
Farm equipment, n.e.s.	—	—	7, 765, 434
Fasteners, zipper	ft.	94, 997, 874	1, 309, 291
Fasteners, other than zipper	—	—	37, 155
Fats, animal, n.e.s.	lb.	580, 000	772, 334
Feathers and down, millinery and other	—	—	644, 305
Feed, chopped grain	ton	644, 305	36, 749, 663
Feed cutters and mixers (see also "Ensilage cutters")	No.	235	99, 562
Feed, poultry	ton	1, 304, 106	110, 968, 235
Feed, stock	"	1, 141, 312	83, 969, 423
Feed, stock and poultry, n.e.s.	"	31, 481	2, 298, 189
Feed supplements n.e.s.	—	—	1
Felt, coated and saturated (included in "Fabrics coated, etc.")	—	—	927, 331
Felt, cotton	lb.	6, 469, 300	404, 179
Felt, harness and athletic	—	—	1, 190, 003
Felt, industrial and automotive (uncut)	lb.	1, 679, 330	1
Felt, insoling, uncut	—	—	1
Felt, jute	—	—	1
Felt, sole	—	—	2, 131, 842
Felt, padding	—	—	597, 248
Felt, paper (see "Paper, building and roofing")	—	—	272, 471
Felt, pennant, crest and fancy lining	sq. yd.	897, 717	14, 850, 302
Felt, shoe and gaiter	"	333, 467	39, 657
Felt, for pulp and paper making	—	—	1, 189, 281
Felt, punch felts	sq. yd.	43, 859	119, 382
Felt, n.e.s.	—	—	2, 631, 760
Fences, electric	—	—	400, 447
Fencing, steel wire:	—	—	1, 621, 596
Farm fence	ton	12, 968	466, 957
Lawn fence	"	1, 457	39, 336, 478
Chain link fabric	"	5, 877	35, 373, 406
Fencing, snow	—	—	56, 978, 088
Ferro-alloys, (Ferro-silicon, ferro-chrome, ferro-manganese, silicon spiegel, etc.)	—	—	1
Fertilizers, complete	—	—	1
Fertilizers, other than mixed including ammonium nitrate (fertilizer grade), ammonium phosphate, calcium cyanamide, ammonium sulphate and superphosphate	—	—	1
Fertilizer sowers	—	—	4, 303, 602
Fibre glass products	—	—	963, 672
Fibre, staple (rayon)	—	—	3, 966, 110
Files and rasps	—	—	1
Filing system supplies	—	—	1
Filling, pie, apple	lb.	7, 007, 735	1
Filling, pie, other than apple	"	19, 448, 312	1
Filling, pie, powder, (included in "Powders, pudding")	—	—	1
Films, motion picture	—	—	1
Films, photographers' including X-ray films	—	—	2, 538, 253
Filters, mining and metallurgical, etc.	—	—	909, 789
Filters, oil, auto:	—	—	3, 838, 136
Complete	No.	687, 208	1
Elements, only	"	4, 276, 924	1
Firearms	—	—	64, 588
Fire clay	ton	8, 448	2, 911, 841
Fire extinguishers, hand-type	—	—	4, 061, 805
Fire fighting and fire protection equipment, n.e.s.	—	—	961, 271
Fireplaces and furnishings	—	—	1

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Fireworks (see "Pyrotechnics")			
Fish, canned	case	2,255,496	45,378,700
Fish, otherwise prepared	lb.	267,659,000	33,718,500
Fish, fresh, marketed for consumption sold in factories	"	251,842,000	53,287,300
Fishing nets and netting	"	"	2,720,955
Fishing tackle	"	"	2,585,353
Fixtures, lighting:			
Commercial and industrial	"	"	19,354,441
Residential	"	"	6,015,555
Street-lighting	"	"	3,594,909
Searchlights and floodlights	"	"	1,134,563
Other lighting equipment	"	"	254,592
Flags and bunting	"	"	338,372
Flashlights and cases	No.	332,832	339,827
Flatware, electro-silver plated and sterling (see also "Cutlery")	"	"	7,675,134
Flints for lighters	"	"	1
Flocks, wool and other n.s.	lb.	10,498,800	807,738
Floor cleaning equipment, n.e.s.	"	"	304,495
Floor covering, including linoleum, etc.	"	"	1
Flooring, hardwood	M ft. b.m.	77,766	14,852,034
Flooring, sheet rubber	"	"	275,565
Floor tile and joists, steel	"	"	1
Flooring, metal	"	"	1
Flotation machines	"	"	1
Flour, barley	"	"	1
Flour, buckwheat	"	"	1
Flour, corn	"	"	1
Flour, diabetic	"	"	1
Flour, potato (see "Starch and flour")	"	"	1
Flour, prepared and self-raising, cake mixes, pie crust, etc.	lb.	100,211,297	19,188,632
Flour preparations for sausage fillings	"	"	1
Flour, soya bean	"	"	1
Flour, wheat:			
Spring, No. 1 patent including Semolina	cwt.	7,804,488	34,445,656
Spring No. 2 patent	"	12,220,242	50,944,562
Spring, No. 3 patent	"	13,387,625	55,914,790
Ontario winter	"	2,794,735	11,483,258
Low grade flour	"	1,667,992	5,963,446
Durum Semolina	"	578,046	2,760,686
All other	"	1,145,779	4,533,108
Flour, graham or whole wheat	"	496,292	2,037,243
Flour, rye	ton	5,712	425,221
Flowers, artificial	"	"	2,051,863
Flue linings	"	"	946,588
Fly pads and paper	"	"	1
Fly swatters	"	"	35,832
Foil (aluminum) laminated with paper or board	lb.	9,841,702	5,986,943
Foil, tin, lead and aluminum	"	"	9,890,490
Foil products, n.e.s.	"	"	1,369,789
Folding (trade work)	"	"	425,268
Food drinks, liquid (see also "Powder, food drinks")	gal.	4,158,562	3,774,299
Food, bird, fox, dog, etc.:			
Bird food	"	"	"
Fox biscuits	ton	1,715	487,912
Dog biscuits	"	"	1
Canned dog and cat food	ton	4,101	883,671
Other dog and cat food	"	54,212	10,124,599
Other fox food	"	10,535	1,882,276
Mink and other animal food	"	2,995	430,699
Food, stock and poultry n.e.s. (see "Feeds")	"	22,838	2,305,075
Food mixers	No.	236,037	4,087,129
Food, infant, canned	lb.	55,037,469	15,171,387
Food, infant, other including precooked cereal	"	7,742,232	2,348,786
Foods, frozen, n.e.s.	"	4,239,197	2,427,424
Food products, not specified	"	"	1,822,920
Foots, vegetable oil	"	"	146,405
Footwear, leather: (see also "Slippers"):	lb.	2,615,529	
Felt uppers (including felt slippers):			
Babies'	"	"	"
Boys'	"	"	"
Children's, including little gents	pr.	36,430	54,516
Men's	"	19,402	47,458
Youths'	"	21,335	40,786
Misses'	"	304,556	877,565
Women's and growing girls'	"	6,225	14,517
Leather or fabric uppers:	"	17,364	39,838
Babies'	"	21,335	51,112
Boys'	"	"	"
Children's and misses'	"	2,923,254	5,439,322
Men's	"	1,234,854	4,192,031
Youths'	"	5,753,367	13,730,220
Women's and growing girls'	"	8,024,424	43,907,385
Footwear, moccasins, including shoe packs:	"	266,409	746,227
Babies'	"	16,187,205	56,520,966
Boys'	"	"	"
Children's including little gents	"	24,764	17,368
Men's	"	24,124	45,268
Youths'	"	59,158	64,496
Women's, misses' and growing girls'	"	153,109	405,570
Footwear, plastic	"	3,351	6,158
	"	518,986	757,055
	"	"	3,114,179

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 —Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Footwear, rubber:			
Knee and hip boots, all rubber	pr.	1,533,580	5,196,758
Lumbermen's boots, all rubber	"	532,072	2,650,622
Lumbermen's boots, all leather tops	"	157,123	1,108,279
Overshoes and goloshes, cloth uppers	"	947,070	3,634,490
Overshoes, all rubber (lined and unlined)	"	4,052,544	12,292,050
Light and heavy rubbers	"	3,100,435	4,204,965
Rubber bottoms for leather tops	"	258,714	722,364
Utility footwear with canvas or other fabric tops	"	1,830,812	3,579,067
Footwear, not specified	—	—	1,698,400
Forgings, iron and steel	—	—	27,488,592
Forgings, other	—	—	7,945,810
Forks, (farm implements)	No.	301,409	478,471
Formaldehyde	lb.	30,105,075	1,483,522
Forms, continuous, printed	—	—	19,070,384
Formvar	—	—	1
Fountains, soda and luncheonette equipment	—	—	1
Frames and cases, spectacle	—	—	1
Freezers, individual, home and farm	No.	12,799	3,222,465
Fringes, cords and tassels	—	—	728,143
Frit, enamel	—	—	1
Fruit drinks	—	—	855,491
Fruit juices, canned, bottled, etc., including grape juice	lb.	72,603,231	5,520,673
Fruit juices, concentrated (frozen)	—	—	62,257
Fruit peel, candied	lb.	3,169,486	882,947
Fruit pulp	"	1,320,700	33,018
Fruit, canned:			
Apples, including crab apples	"	11,983,493	1,157,687
Apple sauce	"	12,862,561	1,328,693
Apricots	"	5,528,794	1,093,874
Blackberries	—	—	1
Blueberries	lb.	764,867	185,757
Cherries	"	7,237,627	1,456,429
Loganberries	—	—	1
Peaches	lb.	42,332,861	7,834,347
Pears	"	32,672,694	4,926,755
Plums	"	10,093,974	1,043,537
Raspberries	"	2,625,658	742,316
Rhubarb	"	399,198	52,909
Strawberries	"	3,253,079	893,012
Fruit cocktail and fruit for salad	"	6,759,646	1,580,636
Other fruits, not specified, pineapple, etc.	"	5,154,902	911,920
Fruits, fountain	"	1,004,756	296,712
Fruits, glacé	"	5,605,202	2,117,155
Fruits, maraschino cherries	"	3,514,005	1,906,161
Fruits, frozen for re-processing	—	—	700,727
Fruits, frozen, not for reprocessing	lb.	12,932,489	2,922,064
Fruits, in SO ₂ for reprocessing	"	2,711,260	249,615
Fruits and flavours for ice cream	gal.	378,435	747,521
Fry pans, electric	No.	324,837	3,827,966
Fuel, hog	—	—	435,775
Fur dressing and dyeing	—	—	6,241,696
Fur trimming	—	—	1,786,811
Fur remodelling, repairing, etc.	—	—	5,312,503
Furnaces, warm air	No.	139,532	25,481,623
Furnaces, industrial, other	—	—	1,293,133
Furnaces, not specified, and furnace parts	—	—	1,331,203
Furniture, wood:			
Camp, lawn and verandah	—	—	675,308
Children's	—	—	3,624,794
Household:			
Bedroom	—	—	37,087,380
Breakfast-room	—	—	952,366
Dining-room	—	—	6,293,243
Kitchen	—	—	5,788,105
Living room (not upholstered)	—	—	7,552,204
Other	—	—	3,981,140
Office, store and restaurant	—	—	23,082,438
School, church, lodge, etc.	—	—	8,488,005
Other, furniture and cabinet work, n.e.s.	—	—	7,132,248
Furniture, metal:			
Breakfast room	—	—	15,998,542
Camp, lawn and verandah	—	—	3,574,244
Children's	—	—	332,375
Household, n.e.s.	—	—	2,110,325
Office, store, school, restaurant, theatre, etc.	—	—	16,588,687
Other not specified	—	—	13,213,898
Furniture, wood or metal:			
Living room (upholstered)	—	—	53,140,927
Not specified (upholstered)	—	—	4,418,857
Furniture, not specified:			
Camp, lawn and verandah	—	—	55,138
Office, school, store, church, theatre, etc.	—	—	1,671,329
Furniture frames and parts:			
Wood	—	—	5,827,004
Metal	—	—	606,330
Not specified	—	—	1,274,177
Furniture glides	—	—	153,058
Fuses and fuse wire	—	—	4,678,895
Gaiters, spats and leggings	—	—	136,990

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 - Continued

Items	Unit of measure	Quantity	Value of factory shipments \$
Galvanized ware	—	—	2,063,268
Games, not specified	—	—	2,019,128
Garage equipment, n.e.s.	—	—	2,409,958
Gas made: ¹			
Retort coal gas	M cu. ft.	8,975,328	—
Coke oven gas	"	60,517,611	—
Producer gas	"	817,157	—
Water gas	"	6,334,101	—
Other	"	1,927,081	—
Gas, dry, natural ¹	"	27,763,022	2,656,804
Gas, sold	"	19,547,028	20,122,843
Gas used in own coke or gas plants	"	14,903,934	3,774,171
Gas used in associated metallurgical work	"	40,864,732	9,341,127
Gas, otherwise accounted for, but not sold	"	1,317,314	498,866
Gas, not accounted for	"	1,866,953	644,258
Gas, still, from petroleum refineries ¹	"	27,957,159	14,760,992
Gas, oil, pintsch	"	26,545	411,148
Gases, liquefied petroleum ¹	gal.	137,116,604	11,647,524
Gasoline ¹	"	3,063,284,112	561,464,291
Gas producing apparatus and parts	—	—	—
Gates	No.	33,266	760,857
Gauges, pressure (included in "Instruments")	—	—	—
Gauges, plug, ring, thread, etc.	—	—	624,743
Gears, rubber tired, truck, trailers, etc.	—	—	613,451
Gears, transmission	—	—	2,659,392
Gelatine	—	—	1
Generators:			
Alternating current	No.	425	10,776,761
Direct current	"	304	1,152,828
Generators, steam, and parts	—	—	3,077,781
Glass, bevelled and polished edge, plates and sheets	—	—	1,512,531
Glass, cut (tumblers, bowls, etc.)	—	—	901,008
Glass, leaded, including memorial windows	—	—	274,858
Glass, non-shatterable	—	—	23,357,205
Glass, pressed, blown and drawn, including bottles, sealers, windows, kitchenware, etc.	—	—	47,970,245
Glass vials and chemical glassware	—	—	643,219
Glassware, decorated	—	—	685,552
Glass products, other, including windshield glass	—	—	3,044,541
Glasses, sight (see "Spectacles")	—	—	—
Glasses, sun	—	—	1,255,195
Gloves and mittens, fabric, dress:			
Cotton:			
Men's	doz. pr.	—	—
Women's	"	—	—
Children's	"	48,670	785,940
Nylon, all types	"	62,384	766,700
Rayon and rayon mixtures, all types	"	14,678	133,982
Not specified	"	6,796	76,916
Gloves and mittens, fabric, work:			
Cotton:			
Men's	"	806,931	2,415,508
Other, including leather-faced	"	82,718	406,183
Gloves and mittens, fabric, n.e.s.	"	94,684	389,780
Gloves and mittens, knitted	"	136,397	986,389
Gloves and mittens, leather, dress:			
Men's, lined	"	129,718	2,946,033
Men's, unlined	"	32,569	805,198
Women's and children's, lined	"	43,047	463,420
Women's and children's, unlined	"	12,037	323,015
Gloves and mittens, leather, work:			
Men's, lined	"	76,011	1,164,879
Men's, unlined	"	437,634	4,410,260
Women's and children's, lined	"	57,264	511,209
Women's and children's, unlined	"	10,207	105,934
Gloves and mittens, leather, sport (see also "Sport gloves and mittens, baseball, hockey, etc.")	—	—	—
Gloves, plastic, coated and rubberized	doz. pr.	226,734	166,261
Gloves, rubber	"	179,586	949,840
Glucose	—	—	956,522
Glue (bone, hide, fish and vegetable)	—	—	1
Glue stock	lb.	76,296,988	11,259,759
Gluten feed	—	31,552,844	143,932
Glycerine, crude	—	—	1
Glycerine, refined	lb.	1,580,489	252,617
Glycols, not specified	—	11,770,053	3,751,004
Goggles, safety	—	—	1
Gold alloys	—	—	1
Gold, fine	—	—	3,220,386
Gold leaf	—	—	700,405
Golf clubs (complete)	—	—	1
Golf supplies, including golf bags, carts, etc. (see also "Balls, golf")	No.	245,569	1,458,659
Grains, roasted	—	—	218,526
Grains sold wet and dry (Brewers' and distillers')	—	—	1
Granite monuments	ton	228,227	3,789,065
Granite, for building purposes	—	—	3,365,049
Granules, roofing	—	—	1,261,689
Grape concentrate	—	—	694,043
Grape juice (included in "Fruit juices")	—	—	1
Graphite (included in "Electrodes carbon and graphite")	—	—	—
Grate bars and grating	—	—	1,220,694

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Gravy preparations	—	—	800,728
Grease	—	—	404,003
Grease, lubricating*	—	—	2,975,078
Grills and hot plates, electric including stoves for glass coffee makers	—	—	988,906
Grinding machines (Metal working)	No.	148	316,283
Guanidine nitrate	—	—	1
Gums, unvulcanized	lb.	1,180,238	524,960
Gymnasium supplies, not specified	—	—	371,594
Gypsum blocks and sheathing	sq. ft.	10,911,588	470,172
Hair, animal	—	—	1,574,031
Hair nets (included in "Hair dressing equipment and accessories")	—	—	1
Hair processed (resilatax)	—	—	189,895
Hair goods, not specified	—	—	826,058
Hair dressing equipment and accessories	—	—	80,139
Halters, leather	No.	40,589	355,533
Hammers (forging) metal working	—	59	362,751
Handkerchiefs	doz.	179,243	659,858
Handles, broom and mop	No.	8,243,530	1,654,136
Handles, long tool and axe	—	3,317,444	659,183
Handles, small tool	—	12,438,990	1,696,798
Handles, n.e.s.	—	—	2,970,224
Handling equipment, n.e.s.	—	—	1,212,741
Hangers, garment	—	—	279,444
Hardware appliances	—	—	7,865,454
Hardware, automobile	—	—	17,143,584
Hardware, builders'	—	—	4,269,136
Hardware, furniture	—	—	1
Hardware, harness and saddlery	—	—	11,894,892
Hardware, pole-line (line materials, distribution specialties, etc.)	—	—	467,353
Hardware, trunk and suitcase	—	—	6,347,833
Hardware, not specified	—	—	59,264
Harness, double	set	600	37,442
Harness, single	—	752	118,927
Harness collars	No.	17,423	287,961
Harness parts	—	—	2,498,122
Harrows, disc (horse or tractor drawn)	No.	9,954	445,516
Harrows, drag and spring tooth	—	34,062	1
Harrow carts	—	—	633,848
Hassocks	—	—	84,924
Hat blocks	—	—	103,008
Hats, cotton:	—	—	68,018
Men's	doz.	6,601	125,079
Women's	—	5,714	—
Children's	—	12,824	—
Hats, fur felt:	—	—	4,758,050
Men's	—	87,759	1,645,914
Women's and children's	—	32,301	190,185
Hats, linen, women's and children's	—	7,892	—
Hats, wool felt:	—	—	370,217
Men's	—	18,218	1,428,890
Women's	—	53,952	140,213
Children's	—	8,824	—
Hats, velour felt:	—	—	2,216,055
Women's	—	47,074	3,800
Other	—	110	—
Hats, straw:	—	—	251,005
Men's	—	10,382	4,208,664
Women's	—	99,945	436,819
Children's	—	29,748	521,842
Hats, panama	—	14,906	633,287
Hats, silk and rayon, women's and children's	—	24,210	1,565,649
Hats, velvet, women's and children's	—	54,547	164,539
Hats, wool, women's and children's	—	8,116	—
Hats, not specified:	—	—	51,330
Men's	—	9,153	1,115,187
Women's	—	40,600	169,743
Children's	—	26,809	103,213
Tams, berets and turbans	—	9,668	1,494,858
Headwear, not specified	—	—	27,318
Hats and caps, fur (see also "Caps, fur")	—	—	2,145,064
Hats, cleaned and reblocked	—	—	295,439
Hat bodies	—	—	63,975
Hatters' supplies, including hat linings	—	—	1,155,490
Hay loaders	No.	304	4,772,452
Hay rakes, dump, tedders, etc.	—	6,987	50,721
Hay balers, hay carriers, etc.	—	4,209	262,311
Hay stackers	—	79	—
Heading, barrel	—	—	1
Hearing aids	—	—	1,340,135
Heaters, air, electric	No.	94,095	4,622,856
Heaters, auto and engine	—	—	5,443,785
Heaters, electric, unit	—	—	25,104
Heaters, water tank, coal, wood or oil	—	—	3,279,261
Heaters, water tank, gas	No.	49,328	1,173,112
Heaters, water tank, electric	—	—	3,741,428
Heaters, water, electric, including tanks and controls	No.	58,243	491,154
Heaters, not specified	—	—	13,751,480
Heating and ventilating equipment, not elsewhere specified	—	—	110,520
Hectograph composition	—	—	4,004,693
Heels, leather, wood, etc.	pr.	23,454,288	—

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 - Continued

Items	Unit of measure	Quantity	Value of factory shipments \$
Heels, rubber and composition	pr.	14,219,715	1,742,739
Heel lifts	"	56,424	6,643
Helmets	doz.	4,841	52,818
Hexachlorethane	"	—	1
Hexamethylenediamine	"	—	11,105,546
Hides, all kinds	doz.	58,277	81,898
Hockey pucks	"	—	1,636,469
Hockey sticks	"	—	238,151
Hoes, hand	"	—	5,091,002
Holists	"	—	1
Hollow-ware, copper	"	—	286,975
Hollow-ware, sterling silver	"	—	63,121
Hollow-ware, silver-plated on Britannia metal	"	—	1,175,923
Hollow-ware, silver-plated on brass and copper	"	—	62,399
Hollow-ware, silver-plated on lead alloy	"	—	69,704
Hollow-ware, silver-plated on nickel silver	"	—	155,849
Hollow-ware, other	"	—	1
Holster sets	"	—	1
Honey butter	"	—	439,350
Hooks, eyes, notions, etc., not elsewhere specified	M	3,354	120,887
Hoops, wooden	"	—	—
Hoops, steel and steel wire (included in "Sheets, hoops, bands and strips, iron and steel")	lb.	3,102,916	67,887
Hooves and horns	"	—	2,547,135
Hormones, sex	lb.	638,007	312,211
Horseradish, prepared	"	—	149,287
Horseshoes	"	—	1,208,402
Hose, fire, cotton	lb.	810,761	1,242,931
Hose, fire, rubber	ft.	19,517,154	1,213,504
Hose, garden, koroseal	"	7,396,381	781,853
Hose, garden, rubber	"	—	11,161,010
Hose, other	"	—	—
Hosiery:			
Cotton and cotton mixtures:			
Men's seamless:			
Work socks	doz. pr.	100,662	479,247
Fine socks	"	150,621	597,149
Other (anklets, sport, etc.)	"	180,790	667,703
Women's seamless:			
Full length stockings	"	138,120	548,277
Other (anklets, sport, etc.)	"	228,071	603,716
Children's, seamless:			
Full length stockings	"	359,209	1,176,511
Golfers	"	18,776	76,908
Other	"	658,463	1,524,250
Full-fashioned, type not specified	"	25,085	155,926
Silk and silk mixtures, seamless and full-fashioned	"	11,476	158,079
Rayon and rayon mixtures:			
Men's, seamless	"	27,152	139,843
Women's, seamless	"	34,622	96,555
Children's, seamless	"	81,076	186,483
Full-fashioned (all types)	"	9,131	78,562
Nylon:			
Seamless	"	2,186,260	12,615,760
Full-fashioned	"	4,070,335	27,150,577
Wool and wool mixtures:			
Men's, seamless:			
Work socks	"	573,147	3,176,608
Fine socks	"	527,370	4,490,597
Other	"	379,517	2,815,735
Women's, seamless:			
Full length stockings	"	47,680	394,401
Other (anklets, etc.)	"	62,144	345,819
Children's, seamless:			
Full length stockings	"	76,492	478,334
Golfers	"	88,555	448,946
Other (half length, anklets, etc.)	"	122,844	508,712
Hosiery, not specified	"	125,000	752,635
Household equipment (plastic)	"	—	843,783
Houses, pre-fabricated (see "Buildings, etc. pre-fabricated")	"	—	—
Humidifiers and air conditioners	"	—	—
Hydrants	No.	11,863	739,388
Hydrogen	"	—	2,051,238
Hydrogen chloride, anhydrous	"	—	1
Hydrogen peroxide	"	—	1
Hydrol	"	—	1
Ice, artificial	ton	467,343	3,601,702
Ice cream (factory)	gal.	31,631,406	51,592,515
Ice cream mix	"	—	3,738,950
Icings, icing paste and candy mixes	lb.	1,907,069	612,503
Implements, hand, n.e.s.	"	—	1
Incense and incense charcoal	"	—	1
Incubators and other poultrymen's supplies	"	—	—
Infants' wear (see also "Knitted infants' wear"):			
Bibs	doz.	184,818	247,742
Coats	"	41,257	1,417,058
Dresses	"	105,252	1,559,287
Diapers	"	338,803	1,666,506
Headwear	"	36,756	598,483
Night gowns	"	95,205	522,433

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Infants' wear (see also "Knitted infants' wear") - Concluded:			
Rompers	doz.	114,067	949,035
Sleepers (see also "Children's sleepers")	"	63,953	740,630
Sleeping bags	"	13,437	654,952
Not specified	-	-	530,748
Ingots (see "Aluminum", "Steel", "Brass", "Bronze")	-	-	1
Ink eraser, liquid	-	-	1
Ink, printing and lithographing	lb.	30,134,123	13,695,626
Ink, writing	-	-	385,100
Ink, not specified	-	-	211,697
Insecticides including D.D.T.	-	-	6,520,453
Instruments, (indicating, recording, controlling, etc. n.e.s.):			
Aircraft engine and flight instruments	-	-	7,801,199
Electric quantity instruments and accessories	-	-	12,479,430
Flow and liquid level instruments and accessories	-	-	1,235,892
Optical instruments	-	-	249,475
Pressure measuring, including gauges and accessories	-	-	1,244,804
Temperature and hygrometric instruments and accessories	-	-	7,668,087
Other instruments and accessories, n.e.s.	-	-	8,954,721
Insulating materials, n.e.s. (see also "Wool, mineral" and "Vermiculate")	-	-	2,651,886
Insulators, porcelain and insulator parts	-	-	7,957,195
Interoffice communication sets, excluding telephone apparatus provided	-	-	1
Iron, pig:			
Quantity made	ton	3,568,203	-
Quantity shipped	"	649,213	34,501,520
Iron and steel products, rolled, n.e.s.	-	-	1,537,501
Irons, electric	-	-	5,392,288
Irons, gasoline	-	-	1
Ironers, electric	No.	4,647	379,726
Iron work ornamental and architectural	-	-	16,710,644
Ironing boards	-	-	591,045
Irrigation equipment	-	-	538,399
Jacks, auto	-	-	1
Jacks, lift, screw and ratchet	-	-	1
Jams	lb.	84,329,853	16,072,970
Javelle water	-	-	8,980,842
Jellies	lb.	7,204,959	1,378,011
Jewellery	-	-	21,911,509
Jigs and fixtures	-	-	3,153,012
Jointers, woodworking	-	-	1
Jute, jute paddings and jute yarn	-	-	776,961
Kegs, beer	No.	4,660	113,517
Kegs, fish	"	5,599	13,391
Kegs, nail, etc.	"	1,355,536	840,896
Kegs, n.s.	-	-	487,131
Kettles, electric	No.	342,290	2,145,479
Kitchen equipment for hotels, cafeterias, etc.	-	-	5,060,015
Kitchenware, aluminum, including pressure cookers	-	-	6,263,153
Kitchenware and ovenware, glass, (included with "Glass, pressed and blown")	-	-	6,720,999
Kitchenware, other (see also "Woodenware, kitchen")	-	-	1
Knitted fabrics:			
Cotton stockinette, including meatwrap	-	-	1,506,947
Cotton, not specified	-	-	2,425,238
Nylon and nylon mixtures	lb.	2,289,993	8,220,410
Rayon and rayon mixtures	"	3,243,316	4,033,190
Wool	-	-	1,832,994
Other	-	-	806,444
Knitted goods, miscellaneous:			
Infants' jackets, booties, etc.	-	-	2,968,326
Not specified	-	-	220,958
Knitting, custom	-	-	538,590
Knives, machine	-	-	2,061,248
Knives, bread	-	-	1
Labels, gummed paper	-	-	1,791,909
Labels, fabric	-	-	1,274,051
Lace, all kinds	-	-	2,136,467
Laces, corset	-	-	35,331
Laces, shoe, (silk, cotton, etc.)	-	-	1,278,323
Laces, shoe, leather	-	-	1,906
Lacquers	gal.	2,711,145	8,502,159
Lacrosse sticks	-	-	1
Lactose (see "Sugar of milk")	-	-	2,468,836
Ladders, step, extension, etc.	-	-	15,985,127
Lamps, incandescent, except therapeutic (bulbs)	-	-	4,377,750
Lamps, fluorescent (bulbs)	-	-	2,581,471
Lamps, photo flash	No.	30,939,849	1
Lamps, electric:			
Floor	-	-	2,986,292
Table	-	-	4,607,032
Other	-	-	1,004,351
Lamps, other	-	-	243,956
Lamp shades and wire frames	-	-	2,605,490
Lanterns, including railway, marine, etc.	-	-	1
Lard	lb.	101,630,001	15,334,111
Lasts, trees, and shoe findings, not specified	-	-	1,720,599
Latex compounds	-	-	1
Latex, foamed (included in "Rubber goods, sponge and soft")	-	-	1,050,676
Lathes, metal-working	-	-	21,260
Lathes, wood-working	-	-	4,300,496
Lath, metal	-	-	1

1 Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 - Continued

Items	Unit of measure	Quantity	Value of factory shipments \$
Lath, gypsum	sq. ft.	372,261,631	11,168,044
Laths, wood	M.	145,629	1,538,249
Lead, naphthenate	lb.	56,579,252	9,259,133
Lead, refined (metal)	"	1,721,637	329,555
Lead, red	"	—	1
Lead, white, dry	lb.	946,564	182,468
Lead, white, ground in oil	"	4,818,263	1,052,360
Lead, sheet	"	1,851,052	593,320
Lead products, n.e.s.	"	—	151,056
Lead for pencils	"	—	—
Leather:	—	—	240,266
Belting	sq. ft.	2,435,447	1,052,196
Bag, case and strap	"	6,478,187	1,802,142
Garment	"	—	3,370,449
Glove	lb.	584,846	345,317
Harness	"	163,007	271,536
Lace	"	428,215	124,454
Oil tanned, shoe pack	"	—	—
Sole:	—	—	—
Bellies	"	1,651,338	541,037
Bends	"	8,737,971	5,237,657
Shoulders	"	2,716,650	1,229,462
Unholstering (included in "Leather not specified")	—	—	—
Upper leather:	sq. ft.	9,601,863	6,280,598
Calf skins	"	59,519,609	19,999,161
Cattle and horse hides	"	16,108,745	2,603,928
Chrome splits	"	—	217,104
Goat skins	"	199,176	49,416
Sheep skins	"	—	—
Patent and enamelled shoe leather, (included in "Other upper leather, not specified")	—	—	1,926,221
Other, not specified	—	—	1,151,192
Leather splits, not specified	—	—	2,051,726
Leather, not specified	—	—	8,569,413
Leather, artificial	—	—	122,019
Leather goods, not specified	—	—	1
Lecithin	—	—	1
Lemon butter and cheese	—	—	—
Lenses, optical	No.	2,722,355	3,052,421
Lenses, optical, contact	—	—	1
Lenses for optical instruments	—	—	1
Life buoys, jackets, belts, etc.	—	—	425,675
Lighter fluid	—	—	686,360
Lighters, cigarette, and parts	—	—	1,036,224
Lighting equipment, n.e.s.	—	—	2,950,954
Lightning rods and supplies	—	—	333,763
Lignin	—	—	1
Lignosol	—	—	1
Lime, quick (including value of containers)*	—	—	16,462,331
Limestone (building and monument)	—	—	2,274,670
Line material (see "Hardware, pole-line")	—	—	—
Linings, brake, asbestos	—	—	4,119,879
Linings, glove and shoe	—	—	852,730
Linings, n.e.s.	—	—	1,958,816
Linoleum (see Floor covering)	—	—	—
Liquors, acid	—	—	175,298
Litharge	lb.	11,374,154	2,634,621
Locomotives, standard steam*	No.	42	4,151,744
Locomotives, diesel-electric, new*	"	446	74,068,418
Locomotives and car parts n.e.s.	—	—	23,095,280
Log ends for pulping	cord	3,445	50,163
Looms, weaving	—	—	1
Lubricating systems, automobile and other	—	—	971,120
Lumber, matched	M ft. b.m.	202,673	20,441,350
Lumber, planed	"	1,559,859	119,653,854
Lumber, sawn*	"	7,744,731	539,652,385
Lumber, not specified*	—	—	2,793,313
Lye	—	—	1
Macaroni and spaghetti, canned	lb.	35,810,354	4,291,332
Macaroni, vermicelli, spaghetti, etc. dry	"	91,293,936	11,241,180
Machinery:	—	—	—
Accounting machines (see also "Machinery, office")	—	—	1
Adding and other calculating (see also "Machinery, office")	No.	19,836	4,472,199
Bakers', mixing	"	681	552,824
Bakers', not elsewhere specified	—	—	204,215
Boring (metal-working)	—	—	430,887
Canning and parts	—	—	1
Cleaning and pressing (included in "Laundry, cleaning and pressing")	—	—	—
Coal handling and coal pulverizing	—	—	218,849
Concrete and cement making	—	—	6,292,381
Construction	—	—	2,266,438
Conveying and elevating (except passenger and freight elevators) and parts	—	—	20,142,071
Dairy, including milking machines	—	—	2,992,223
Excavating, dredging, loading, etc.	—	—	5,202,660
Flour and grist mill, n.e.s.	—	—	456,121
Grain grinding, rolling, etc.	—	—	544,951
Grain loaders and elevators	—	—	3,194,795
Hoisting, except mine hoists	—	—	14,806,185
Kitchen and other household	—	—	2,917,280
Laundry, cleaning and pressing	—	—	1,978,534
Logging	—	—	1,252,753

* Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Machinery—Concluded:			
Lumber and shingle drying	—	—	1,720,641
Metal-working, n.e.s.	—	—	123,230
Milking (included in "Machinery dairy")	—	—	
Mining and metallurgical, n.e.s. and parts	—	—	15,802,732
Office, n.e.s. (See also "Accounting, adding and calculating machinery")	—	—	14,957,356
Oil refining	—	—	798,357
Plastics	—	—	13,417
Printing	—	—	696,958
Pulp and paper	—	—	30,188,669
Road and excavating	—	—	3,700,033
Rolling mill	—	—	1,164,307
Rubber mill	—	—	1,629,183
Saw and planing mill	—	—	4,889,573
Sewing	—	—	1
Ships' and fittings	—	—	4,878,114
Stone working	—	—	166,105
Textile, n.e.s.	—	—	348,757
Transmission	—	—	2,646,601
Vulcanizing	—	—	1
Washing machines:			
Electric	No.	297,553	32,605,137
Other power	—	—	945,758
Parts and accessories	—	—	14,553
Water softener equipment	—	—	1
Well drilling	—	—	1
Wood-working, n.e.s.	—	—	1,648,521
Wrapping and packaging	—	—	1,209,584
Other, not specified	—	—	22,861,181
Machinery parts, not specified	—	—	1,944,651
Magnesium products	—	—	1
Malt, made for sale	—	—	1
Malt, caramel	—	—	1
Malt flour	—	—	89,312
Malt extract and syrup	—	—	820,786
Malt coomings and sprouts	—	—	1
Manganese naphthenate	—	—	1
Mantles, lamp and stove	—	—	1
Manure spreaders and loaders	No.	4,736	1,646,924
Maple products	—	—	957,381
Maps	—	—	1,353,609
Marble chips and dust	—	—	1
Marble monuments	—	—	608,645
Marble for building purposes	—	—	712,361
Margarine and margarine substitute	lb.	124,121,091	29,912,431
Marine and fishermen's supplies	—	—	263,594
Marmalades	lb.	20,339,843	3,562,974
Match splints and match blocks	—	—	1,899,606
Matchers, wood-working	—	—	172,437
Matches	—	—	5,972,733
Mats and matting, rubber	—	—	4,284,918
Mattresses, including air and sponge	—	—	23,392,231
Meal, cereal grass	ton	56,136	3,410,636
Meal, coconut oilcake	—	—	1
Meal, corn	ton	5,606	614,850
Meal, fish	"	85,868	11,100,500
Meal, linseed oilcake	"	57,808	4,385,915
Meal, meat, hoof, lung, liver, etc.	lb.	59,686,448	2,589,475
Meal, rapeseed oil cake	ton	3,827	179,522
Meal, rice	—	—	1
Meal, rye	ton	762	48,376
Meal, sunflower oilcake	—	—	1
Meal, soybean oilcake	ton	185,424	12,334,010
Meats:			
Meats, fresh and frozen	lb.	1,414,333,517	450,939,025
Poultry, fresh and frozen	"	57,344,394	27,492,999
Horse meat, fresh and frozen	"	55,400	2,390
Meats, cured and smoked	"	254,454,220	125,150,571
Meats cooked, including sausage, weiners, etc.	"	280,362,298	99,223,177
Meats canned:			
Beef	"	10,837,333	4,458,866
Pork	"	38,990,280	20,772,482
Poultry	"	3,390,776	2,966,387
Miscellaneous	"	20,313,926	6,536,389
Meat scrap, cracklings, etc.	"	35,033,238	1,635,987
Medicines and pharmaceuticals (see also "Antibiotics", "Penicillin", "Streptomycin", "Vitamins", etc.):			
Registered as patent medicines	—	—	20,636,147
Ethical specialties for human use, n.e.s.	—	—	39,030,248
Oral antiseptics	—	—	780,197
All other human medicines	—	—	11,625,372
Metal products, not specified	—	—	4,712,037
Meters, gasoline	—	—	1
Meters, parking	—	—	603,689
Meters, water	—	—	1
Meters, other and meter parts	—	—	466,920
Methyl isobutyl carbinol	—	—	1
Methyl isobutyl ketone	—	—	1
Methyl hydrate, crude and refined	—	—	1
Mica products	—	—	1
Milk, sold in dairy factories	gal.	185,407,088	134,688,373

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Offal, not specified	ton	62,371	1,874,345
Oil burners and parts	—	—	13,862,970
Oilcloth, other than floor	—	—	1
Oil, aniline	—	—	1
Oil, cocoanut, crude and processed	lb.	26,959,901	3,737,998
Oil, core	—	—	920,288
Oil, corn, crude	—	—	1
Oil, corn, refined	—	—	1
Oil, cotton seed	lb.	8,178,881	1,791,457
Oil, creosote	—	—	2,661,493
Oil, fish (industrial)*	gal.	4,725,958	4,347,000
Oil, fish (Vitamin)*	M/u's	2,760,888	199,500
Oil, fish, not specified*	—	—	1,798,734
Oil, fuel:			
Aviation turbine*	Imp. gal.	140,455,606	22,052,192
Diesel*	—	738,959,373	106,647,993
Heavy fuel oil:			
For own use	—	—	19,336,959
For sale	—	1,474,752,924	126,282,629
Light fuel oil:			
For own use	—	—	54,941
For sale	—	1,347,892,813	195,624,740
Tractor*	—	13,835,652	1,784,227
Oil, fusel, (sold)	—	41,828	21,277
Oil, industrial, n.e.s.	—	3,719,586	2,283,099
Oil, lard	lb.	1,363,606	235,909
Oil, light n.e.s.	gal.	6,777,876	1,655,761
Oil, linseed, boiled	—	392,996	669,791
Oil, linseed, raw	—	3,782,936	4,859,130
Oil, linseed, special	—	2,808,327	4,293,329
Oil, lubricating*	—	—	63,082,386
Oil, neatsfoot	lb.	820,057	143,400
Oil, oleo	—	—	1
Oil, palm and palm kernel	—	—	1
Oil, peanut	—	—	927,898
Oil, rapeseed	—	—	1
Oil, soybean	lb.	83,654,876	11,894,992
Oil, stand blown, enamel, etc.	—	—	1
Oil, stove*	gal.	390,980,953	64,846,862
Oil, sulphonated, textile oils and other textile chemicals	lb.	4,991,442	597,317
Oil, sunflower seed	—	3,738,423	660,772
Oil, vegetable, n.e.s.	—	53,052,717	9,676,796
Oils, other not specified	—	—	2,221,117
Oleo stock	lb.	3,213,328	393,033
Olives, bottled, etc.	gal.	961,602	4,179,193
Optical equipment n.e.s.	—	—	1
Organs, electronic	—	—	1,372,739
Organs, other, and parts	—	—	539,468
Ornaments, not specified	—	—	241,534
Ovens, domestic, electric (built in)	No.	1,882	488,307
Ovens, commercial, cooking	—	282	710,135
Ovens, industrial, electric	—	—	—
Overalls (see also "Smocks, etc."):			
Bib:			
Men's and youths'	doz.	84,811	3,226,006
Boys'	—	10,299	204,732
Coveralls:			
Men's and youths'	—	67,809	3,440,877
Boys'	—	1,103	18,378
Dungarees and waist band:			
Men's and youths'	—	262,745	7,528,212
Boys'	—	243,130	5,029,152
Overall coats (jumpers only):			
Men's and youths'	—	13,417	465,155
Other, n.e.s.	—	—	1,812
Smocks, dusters and shop coats (men's and youths')	doz.	38,353	1,751,042
Children's, all kinds	—	301,494	3,532,205
Not specified	—	3,068	97,906
Oxygen	—	—	9,657,871
Packaging equipment	—	—	1,148,678
Packing, asbestos	—	—	979,931
Packing, rubber	lb.	1,967,853	339,773
Packing, not specified	—	—	563,875
Pads, electric, heating	—	—	27,547
Pads, couch	No.	2,690	252,474
Pads, ironing	—	—	1,424,735
Pads, shoulder	—	—	64,135
Pads, stamp	—	—	33,612
Pads, sweat	—	—	1,822,888
Pads and padding n.s.	—	—	1
Pails, paper	—	—	193,619
Pails, tin	—	—	1,085,405
Painting equipment, n.s.	—	—	377,743
Paint varnish and enamel removers	gal.	149,749	126,688
Paints, cement	—	46,307	—
Paints and enamels, water-thinned:			
Latex base emulsion paints	—	2,460,110	9,810,333
Resin and other bases emulsion paints (paste and semi paste)	—	421,068	1,345,108

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Paints and enamels, water-thinned - Concluded:			
Casein and other protein bound, glue bound:			
Dry	lb.	1,245,743	165,667
Paste and semi paste	gal.	27,826	63,675
Plastic texture, paste and dry	lb.	271,230	33,453
Calcimines	"	461,858	38,829
Lime and cement bound	"	1,741,535	245,854
Other water-thinned paints	"	—	78,799
Paints and enamels, ready mixed	gal.	20,133,867	81,701,108
Paints, paste (not including water-paste paints)	lb.	2,570,561	632,963
Paints, semi-paste (not including water-thinned type)	gal.	18,856	65,272
Paints and enamels, other (see also "Enamels" and "Lacquers")	—	—	399,158
Pallets (skids)	No.	710,525	1,938,645
Pants, breeches, etc:			
Breeches:			
Men's and youths':			
Cotton	—	—	¹
Wool and wool mixtures	doz.	5,310	343,058
Boys':			
Wool and wool mixtures	"	4,856	122,074
Pants and slacks, fine, separate, dress and sport:			
Men's and youths':			
Cotton or chiefly cotton	No.	230,889	770,443
Rayon	"	716,316	3,082,884
Rayon mixtures, chiefly rayon	"	763,294	3,026,814
Wool	"	965,607	9,231,173
Wool mixtures, chiefly wool	"	606,927	3,751,053
Boys':			
Cotton or chiefly cotton	"	329,151	678,132
Rayon	"	424,496	1,263,480
Rayon mixtures, chiefly rayon	"	499,834	1,317,921
Wool	"	91,010	379,682
Wool mixtures, chiefly wool	"	657,816	1,617,107
Pants, soccer, hockey, etc.	pr.	25,796	167,522
Pants, uniform, separate:			
Men's and youths':			
Military	No.	365,237	2,267,021
Non-military	"	94,643	1,214,006
Pants, work:			
Men's and youths':			
Cotton	doz.	254,750	8,539,633
Wool and wool mixtures	"	33,143	1,917,540
Not specified	"	7,995	355,610
Boys':			
Cotton	"	38,796	859,641
Wool and wool mixtures	"	10,657	309,157
Pants, baby (plastic, rubber, etc.)	"	495,132	1,652,031
Pants, rubberized and oiled	"	1,620	65,920
Pants, not specified	—	—	495,673
Paper:			
Adding machine and cash register	—	—	766,132
Asbestos	—	—	635,263
Blotting, clay coated and enamelled	—	—	1
Blue print and photostat	—	—	4,078,626
Book (basic)	—	—	26,372,210
Box cover, coloured	short ton	109,207	778,935
Writing pads, tablets, etc.	lb.	2,702,483	1,883,379
Building and roofing paper:			
Asphalt saturated rag and asbestos felt shingles and shingle type sidings	square	2,748,412	19,316,711
Mineral surfaced rag and asbestos felt roll roofings	"	719,427	2,472,442
Smooth surfaced rag and asbestos felt roll roofings	"	1,042,962	2,564,486
Roll type rag and asbestos felt siding	"	215,605	802,773
Tar and asphalt saturated rag and asbestos felts, not coated	ton	62,372	6,090,408
Tar and asphalt saturated and/or coated sheathings	"	18,793	2,545,139
Other felts and sheathings	"	1,219	216,458
Insulated siding	—	—	1
Building papers, n.s. (basic)	—	—	7,525,065
Carbon	—	—	3,325,870
Cigarette tubes and paper	—	—	1,362,010
Coated and other paper n.e.s.	—	—	10,938,077
Corrugated (paper and wrappers)	—	—	1,558,499
Creped or crinkled	—	—	503,722
Fine (basic)	lb.	1,552,913	37,469,948
Fine, miscellaneous (basic)	short ton	112,227	7,209,679
Foolscap	"	23,664	188,047
Friction or flint glazed	lb.	931,245	1
Gummed (in sheets)	—	—	1
Special, industrial	—	—	1
Lining, pan, shelf, etc.	short ton	7,038	1,988,891
Parchment, vegetable	—	—	567,441
Paper napkins and doilies (see "Napkins" and "Doilies")	ton	4,076	2,391,971
Newsprint paper (basic):			
In sheets, for printing	—	—	—
In rolls for printing	short ton	68,136	9,468,762
Side runs, for pulping	"	6,191,342	704,395,440
Counter rolls	"	26,756	1,775,910
Other	"	450	51,880
Printing and specialty paper, ground wood	—	—	22,080,711
Safety paper, for cheques, etc.	short ton	88,492	14,006,453
	—	—	1,467,035

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Paper - Concluded:			
Sanitary (basic)	short ton	37,613	10,376,603
Tissue, converted	"	3,073	1,010,354
Tissue, other than sanitary, (basic stock)	"	10,629	4,008,024
Toilet, converted	case	2,198,971	17,316,442
Towels, paper (see "Towels")			
Typewriter	-	-	560,962
Vinylite, uncoated	-	-	1
Wall paper	-	-	1
Waterproofed, other than waxed, n.e.s.	-	-	1
Waxed paper:			
Bread wrappers	lb.	30,315,244	7,484,152
Other, plain and printed	-	-	10,427,296
Wrapping paper (basic stock):			
Unbleached sulphate kraft No. 1 and 2	short ton	220,463	42,883,452
Bleached sulphate or sulphite	"	29,380	8,932,796
Unbleached and semi-bleached sulphite and sulphate	"	3,231	867,398
Miscellaneous furnishes	"	8,936	1,910,638
Wrapping, special	-	-	3,203,473
Paper, miscellaneous, n.e.s. (converted)	-	-	208,540
Paper goods	-	-	1,093,388
Paper board:			
Box board (basic stock)	ton	366,405	54,874,230
Container board:			
Container chip (basic stock)	"	9,254	1,054,908
Corrugating board (basic stock)	"	154,199	19,675,924
Liners (basic stock)	"	320,016	43,258,967
Aluminum foil laminated with paper or board	"	4,922	5,986,943
Mounting board, photo, etc.	-	-	1
Clay coated and enamelled	lb.	6,359,027	1,215,397
Coated, other, not specified	-	-	2,355,899
Special food board	-	-	1,914,831
Wallboard, paper, n.e.s.	sq. ft.	2,040,838	235,867
All other board and paper n.s.	-	-	1,506,724
Papereries (stationery in boxes) (see also "Paper-writing pads, tablets, etc.")	-	-	773,581
Parachutes and parachute equipment	-	-	387,313
Parafilm	-	-	1
Paraldehyde	-	-	1
Partitions, office	-	-	2,384,460
Paste, adhesive	-	-	509,211
Paste, meat and chicken	lb.	4,583,374	2,080,612
Paste, flavouring	"	272,758	81,706
Paste, tooth (see "Dentifrices")	-	-	
Patterns and models, foundry and other, wood and metal	-	-	3,762,604
Patterns, paper	-	-	1,430,236
Peanut butter	lb.	28,540,300	8,504,498
Peanuts, roasted and salted (for sale) (see also "Nuts, salted etc.")	"	23,354,472	7,752,557
Pearls, artificial and simulated	-	-	837,479
Peavies, cant hooks and pike poles	-	-	561,477
Pectin	-	-	1
Pencils, non-mechanical	gr.	684,640	3,094,744
Pencils, mechanical	doz.	108,402	480,149
Pencil parts	-	-	11,768
Penicillin (included in "Antibiotics")	-	-	
Penicillin preparations	-	-	2,956,332
Penicillin-streptomycin preparations	-	-	1,076,195
Pennants	-	-	197,054
Pens, ball point (including liquid lead pencils)	doz.	1,107,435	2,874,609
Pens, fountain	"	203,631	3,078,991
Pens, fountain, ball point and other parts (including ball point replacements)	-	-	1,073,023
Pentaerythritol	-	-	1
Pentastol acetate	-	-	1
Perchloroethylene	-	-	1
Percolators, electric (see "Coffee-makers, electric")	-	-	
Perfumes	-	-	1,432,563
Periodicals, printed by publishers:			
Newspapers, daily:			
Gross revenue from advertising	-	-	142,609,552
Subscriptions and sales	-	-	45,148,123
Newspapers, weekly and other:			
Gross revenue from advertising	-	-	33,819,897
Subscriptions and sales	-	-	12,669,803
Magazines:			
Gross revenue from advertising	-	-	17,953,023
Subscriptions and sales	-	-	6,578,398
Other publications:			
Gross revenue from advertising	-	-	45,714,836
Subscriptions and sales	-	-	13,441,728
Petrochemical feed stocks*	-	-	1
Phenol	-	-	1
Phenacetin	-	-	1
Phonographs, electrically operated included with "Record players, electrically operated")	-	-	1
Phosphorus	-	-	1
Phosphorus sesquisulphide	-	-	1
Photo-engraving (trade work)	-	-	12,782,943
Photographic materials, n.e.s. (including photo paper)	-	-	753,607
Photography (Commercial)	-	-	1
Phthalic anhydride	-	-	1

* Indicates that the commodity was reported by one or two concerns.

Alphabetic List of Commodities, 1956 - Continued

Items	Unit of measure	Quantity	Value of factory shipments \$
Pianos:	No.	94	110,330
Grand	"	6,468	2,481,503
Upright	"	—	887,004
Piano strings and other parts	"	—	75,631
Pickets, wood ¹	gal.	7,672,548	15,878,787
Pickles, relishes and sauces (see also "Tomato Catsup")	"	—	—
Picrite	"	—	748,656
Pictures, framed	"	—	842,049
Picture and mirror frames, etc.	"	—	76,534,971
Pies, cakes and pastry (see also "Puddings, cakes, etc., canned")	"	—	1,785,501
Pies, meat	"	—	—
Pillow cases (included in "Sheets and pillow cases, cotton")	"	—	—
Pillow cotton (included in "Cotton fabrics, broad woven")	"	—	1,670,123
Pillows	"	—	1,135,102
Pins, plain, hair and including bobby pins	"	—	—
Pipe, asbestos cement	"	—	—
Pipe, culvert, sheet metal	ton	57,783	19,187,964
Pipe, sewer, clay	"	—	3,569,445
Pipe, sewer, drain and culvert, cement	ton	831,883	18,761,442
Pipe, lead	"	1,566	764,570
Pipe, plastic	"	—	2,459,099
Pipe, steel, rivetted and welded	ton	420,297	83,663,039
Pipe, wooden	"	—	—
Pipe and fittings, brass, bronze and copper	ton	394	456,062
Pipe and fittings, cast iron, soil	"	72,740	14,294,008
Pipe and fittings, cast iron, water	"	134,269	17,901,659
Pipe and fittings, cast iron, other	"	9,912	4,366,019
Pipe and fittings, malleable iron	"	8,004	6,024,029
Pipe and fittings, steel, n.e.s.	"	38,039	15,900,263
Pipe and fittings, n.e.s.	"	—	2,978,384
Pipe and tubing, copper	"	—	—
Pipes and elbows, stove and furnace	"	—	3,228,317
Pipes, tobacco	doz.	5,943	61,007
Pipes, tobacco (parts and accessories)	"	—	27,965
Piston rings, automobile	No.	24,258,337	3,408,163
Pistons, automobile, and piston ring expanders	"	—	1,622,310
Pitch	ton	134,195	5,657,044
Planers, wood-working	No.	159	462,360
Planing, custom	"	—	7,311,190
Planters, corn	No.	1,352	218,472
Plasticizers (included in "Accelerators")	"	—	—
Plastics, primary (see "Resins, synthetic")	"	—	—
Plate and tank work, steel, miscellaneous	"	—	14,218,413
Plate, black, not specified	ton	34,572	5,043,503
Plates, sheets and strips, brass, copper etc.	"	—	22,910,482
Plates, all kinds including boiler and other sheared plates	ton	319,666	36,936,168
Plates, metal, licence, name, etc.	"	—	1,866,112
Plates and frames, addressograph	M.	37,990	451,079
Plates, forks and spoons, paper	"	73,015	401,821
Platinum, refined, and other platinum products	"	—	454,922
Play ground, track and field equipment	"	—	131,188
Play yards	"	—	145,598
Ploughs, agricultural:	"	—	—
Disc	No.	1,417	623,875
Harrow ploughs, one-way discs, tiller combines	"	4,392	2,678,895
Mouldboard	"	16,782	2,500,378
Walking	"	155	6,339
Other	"	1,224	156,905
Ploughs, snow (included in "Snow removal equipment")	"	—	—
Plugs, wooden	"	—	416,792
Plumbers' supplies, not elsewhere specified (Brass, copper, etc.)	"	—	17,867,599
Plywood ¹	M. sq. ft.	1,305,033	98,282,713
Poison, gopher and rat	"	—	241,944
Polish, furniture	"	—	1,217,696
Polish, metal	"	—	311,727
Polish, shoe	"	—	1,129,082
Polish, stove	"	—	53,614
Polishes and waxes, floor	"	—	13,974,898
Polishes and dressings, automobile	"	—	849,449
Polishes and dressings, n.s.	"	—	446,568
Polishers, floor, electric and other	"	—	6,859,489
Polishing mitts and cloths	"	—	48,697
Popcorn including popcorn confectionery	lb.	4,320,689	2,186,264
Post cards, printed	"	—	956,513
Posts, steel, fence	ton	5,991	836,873
Post hole diggers	"	—	—
Potassium chlorate	"	—	—
Potato chips, (factory made)	"	—	—
Potato pickers and diggers	lb.	20,937,584	12,569,120
Pot holders and oven mitts	"	—	90,985
Pot scourers	"	—	64,101
Pottery, glazed and unglazed	"	—	1,994,164
Pottery from imported clay	"	—	610,614
Poultry (see "Meats")	"	—	35,000
Powder, baking	"	—	—
Powder, buttermilk	lb.	9,737,180	2,776,861
Powder, custard	"	8,926,670	636,926
Powder, egg	"	470,724	153,181
Powder, food drink	"	1,061,902	1,718,339
Powder, ice cream	"	2,964,944	1,460,418
	"	742,086	295,738

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Powder, jelly	lb.	17,783,624	5,702,762
Powder, whole milk	"	26,176,979	8,135,921
Powder, malted milk	"	—	1
Powder, skim milk	lb.	80,358,119	9,208,191
Powder, pudding and pie filling	"	21,350,466	7,405,456
Powders, soft drink	"	1,976,834	1,501,837
Powder, whey	"	11,020,014	626,546
Powder, edible, n.e.s.	"	1,040,918	538,239
Powder, bronze, iron and aluminum	—	—	1,228,758
Powder, talcum and face	—	—	4,060,602
Power units	—	—	1
Precious metal salts	—	—	1
Presses, tennis and badminton racquet	—	—	1
Presses, hydraulic, and other power	—	—	1
Pressure cookers (included under "Kitchenware, aluminum").	—	—	1,512,353
Printing, not elsewhere specified:			
Circular letters	—	—	3,287,074
General, for trade	—	—	1,123,373
Custom printing, (Paper supplied by customer)	—	—	4,128,515
Private and personal	—	—	3,383,434
Blue prints and photostats	—	—	570,019
Box covers, coloured	—	—	363,735
Periodicals printed for publishers	—	—	28,465,606
Other printed matter; menus, statements, bank notes, programmes, etc. (see also "Advertising matter")	—	—	17,688,295
Printing and painting on textile fabrics	—	—	2,237,841
Projectors	—	—	1
Propane (included in "Gases, liquefying petroleum").	—	—	5,455,864
Propellers and shafts	—	—	—
Publications, subscriptions and sales (see "Printing" and "Periodicals").	—	—	—
Puddings, cakes, etc., canned and other	lb.	685,879	307,701
Puffs, powder	—	—	299,435
Pulleys, wood and other	—	—	532,227
Pulp, flax	ton	861	435,076
Pulp, fruit (see "Fruit pulp").	—	—	—
Pulpstones, artificial	—	—	1
Pulpwood (produced in Sawmills)	cd.	253,018	9,789,332
Pulp chips	—	—	20,899,939
Pulp, wood:			
Ground wood:			
Quantity made	ton	5,723,002	—
Quantity shipped	"	346,130	23,542,880
Sulphate:			
Quantity made	"	1,596,658	—
Quantity shipped	"	1,011,103	130,575,967
Sulphite, bleached:			
Quantity made	"	1,075,319	—
Quantity shipped	"	961,827	145,574,903
Sulphite, unbleached:			
Quantity made	"	1,888,786	—
Quantity shipped	"	498,836	57,751,658
Screenings:			
Quantity made	"	95,443	—
Quantity shipped	"	31,110	929,724
Defibrated or exploded wood:			
Quantity made for use in producing mills	"	170,954	4,901,679
Other:			
Quantity made	"	183,582	—
Quantity shipped	"	65,247	8,443,549
Pumps:			
Centrifugal	No.	10,901	9,416,783
Cistern and pitcher	"	10,301	66,867
Deep well	"	1,201	294,473
Rotary	"	25,572	1,358,507
Sump	"	33,086	1,232,984
Vacuum	"	411	264,150
Steam	"	3,190	1,639,578
Other power pumps	"	3,698	2,406,899
Gasoline dispensing pumps	"	9,595	3,909,214
Hand pumps	"	29,002	252,992
Household water systems, deep well and shallow well	"	52,223	4,702,846
Pump jacks	"	2,497	92,047
Pumps and pump parts n.e.s.	—	—	4,178,121
Punching machines	No.	56	67,980
Purses, pocket-books and folders	—	—	2,189,878
Putty and fillers, n.e.s.	lb.	18,750,594	2,491,539
Pyjamas:			
Cotton and flannelette	doz.	532,591	10,753,244
Nylon	"	30,267	838,160
Rayon and rayon mixtures	"	31,694	697,152
Not specified	"	43,815	1,091,310
Pyrometers, thermocouples and accessories	—	—	1,537,519
Pyrotechnics	—	—	1,420,524
Quilted goods	yd.	4,645,279	2,441,964
Quilts, bedspreads, etc.	doz.	22,991	862,365
Racquets, tennis, badminton	No.	40,571	214,140
Radar equipment (see "Radio communication equipment")	—	—	17,076,458
Radiators, automobile	—	—	7,819,803
Radiator and boiler compounds	—	—	119,138
Radiators, heating, concealed type	sq. ft.	1,019,241	626,073

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 - Continued

Items	Unit of measure	Quantity	Value of factory shipments \$
Radiators, heating, standing type	sq. ft.	3,524,888	2,315,899
Radiators and parts, heating, n.s.	—	—	8,141,095
Radio communication equipment	—	—	24,087,699
Radio sets, tubes and accessories	—	—	68,665,841
Rafters, roof trusses and beams, laminated	—	—	5,569,140
Rail anchors	—	—	1
Rails, iron or steel:			
Quantity made	ton	336,662	—
Quantity shipped	—	333,979	33,027,029
Rail frogs, switches and other track equipment	—	—	19,584,931
Railway car coach fittings, bearings, etc.	—	—	1
Rakes, hand	No.	331,094	377,002
Rayon fabrics (see "Silk and synthetic fabrics" and "Knitted fabrics")	—	—	1
Razor blades	—	—	1
Razors, safety, electric and other	—	—	1
Recorders, time	—	—	1
Recorders, wire or tape	—	—	1
Records, phonograph	No.	14,340,505	6,518,438
Record players, electrically operated	—	188,674	5,999,291
Rectifiers for storage battery charging and parts	—	—	846,284
Reels for wire rope and hose	—	—	1
Refractories:			
Cement, high temperature	ton	7,563	827,004
Firebrick from domestic clay	M	4,258	430,922
Firebrick from imported clay	ton	20,168	1,230,752
Other	—	—	11,836,331
Refrigerators and refrigeration equipment, n.e.s.:			
Household, mechanical, complete, (electric and gas)	No.	269,213	47,443,340
Household, ice refrigerators, wood	—	—	102,370
Commercial, wood	—	—	278,518
Steel cabinets for mechanical refrigerators	No.	755	134,725
Fixtures:			
Display cases, normal temperature	—	2,739	2,187,743
Display cases, other	—	1,459	944,034
Low temperature refrigerators	—	817	675,436
Reach-ins, all sizes	—	1,080	475,740
Walk-in coolers	—	675	778,849
Refrigerator parts	—	—	1,937,788
Refrigeration equipment n.e.s.	—	—	10,575,621
Regalia, n.e.s.	—	—	2,353,155
Registers, cash	—	—	1
Registers and grills, air	—	—	2,488,077
Regulators, (temperature, flow and pressure) and control valves	—	—	2,435,984
Remedies, stock and poultry	—	—	3,131,568
Rennet	—	—	1
Repair gums and fabrics	lb.	897,113	744,710
Repair kits	No.	1,033,844	379,454
Repair patches, tire and tube	—	—	1,456,693
Resin film and resin film products	lb.	3,433,008	3,095,742
Ribbons	—	—	3,218,478
Rice, cleaned, etc.	—	—	1
Rifles and shot guns (see "Firearms")	—	—	—
Rings, fruit jar, rubber	—	—	—
Rings, fruit jar, zinc	lb.	953,249	548,682
Rockwool (see "Wool, mineral")	—	—	1
Rods, copper wire	—	—	1
Rods, iron and steel wire:			
Quantity made	ton	403,834	—
Quantity shipped	—	403,602	42,565,418
Roll covering, rubber	lb.	744,996	1,548,767
Rollers, land and land packers	—	—	256,083
Rollers, printers'	—	—	956,999
Rolls, rubber covered	—	—	986,545
Rolls, bending and straightening	No.	365,705	1
Roof drainage equipment	—	—	3,485,330
Roof deck (metal)	—	—	3,795,909
Roofing and siding, aluminum, steel, etc.	—	—	9,514,389
Roofing preparations, n.e.s.	—	—	815,854
Rope:			
Manilla	lb.	7,075,627	2,814,485
Sisal	—	4,686,072	1,286,914
Jute and hemp	—	229,979	125,274
All other	—	305,496	462,192
Rubber, reclaimed, dispersions and other	—	—	278,659
Rubber and rubber goods, hard	—	—	3,436,192
Rubber coverings, linings, etc.	—	—	2,833,947
Rubber goods, moulded	lb.	1,402,852	2,670,227
Rubber goods, plumbers'	—	6,696,637	143,983
Rubber goods, sanitary, n.e.s.	—	—	10,535,763
Rubber goods, soft and sponge (including foamed latex)	doz.	455,267	4,726,106
Rubber automotive and aeroplane parts	—	—	2,005,173
Rubber and rubber goods, n.e.s.	lb.	8,944,893	1,649,552
Rubber master batches and mixes	—	—	63,325,060
Rubber thread	—	—	265,421
Rubber, synthetic	—	—	52,525
Rugs, automobile	lb.	271,802,643	307,422
Rules, plastic	No.	57,469	751,349
Rules, wooden	—	—	42,742
Ruling (printing plants)	—	—	—
Runners and centres, table, etc.	—	—	—

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 - Continued

Items	Unit of measure	Quantity	Value of factory shipments \$
Rust preventatives and removers	—	—	655, 629
Saddles	No.	1, 628	68, 255
Saddle parts	—	—	9, 198
Safes, vaults and fittings	—	—	3, 356, 420
Sails	No.	514	95, 664
Salt*	—	—	14, 007, 188
Salt, curing	—	—	1
Sanders (woodworking)	—	—	141, 622
Sandstone (building)	—	—	130, 644
Sandwich relish and spread (see also "Paste, meat and chicken")	lb.	4, 452, 110	1, 350, 481
Sanitary ware	—	—	21, 375, 203
Sash, doors and other mill work	—	—	75, 278, 018
Sash, aluminum, brass, etc., (included in "Windows, complete, aluminum and other")	—	—	1
Sash balances, metal	—	—	1
Sauces, catsups and relishes (see "Tomato catsup", "Pickles, relishes, etc.")	—	—	8, 557, 316
Sausage casings	—	—	772, 023
Sausage (see "Meats cooked, and sausage")	—	—	306, 084
Sawdust and waste, sold	—	—	15, 187, 300
Sawing, lumber, custom	—	—	3, 933, 495
Saws, all kinds	—	—	3, 014, 069
Saw parts and saw benches	No.	68, 225	3, 211, 688
Scales	doz.	363, 275	168, 944
Scarves	—	—	3, 519, 697
School supplies, not specified	—	—	1
Scientific equipment, not specified	—	—	2, 046, 618
Scrap, aluminum	—	—	2, 413, 527
Scrap, brass, bronze and copper	—	—	1, 568, 668
Screenings, barley, etc.	bus.	2, 659, 624	227, 749
Screens, window	—	—	22, 258, 139
Screens, industrial	—	—	9, 613
Screens, projection	—	—	1
Screens, n.e.s.	—	—	1
Screws and screw machine products	—	—	1
Scufflers	No.	374	453, 234
Scythes and snaths	—	—	1, 523, 012
Seals	—	—	458, 957
Searchlights, floodlights, etc. (see "Fixtures, lighting")	—	—	3, 358, 098
Seasonings, dry and liquid	—	—	5, 145, 522
Seed boxes for one-way discs, etc.	No.	2, 303	580, 429
Shades, window, shade cloth and fittings:	—	—	11, 655, 580
Ordinary shades and blinds	—	—	1
Venetian blinds, all kinds, including strips	—	—	1
Shade cloth, rollers, etc.	—	—	1
Shakes, processed and stained (building purposes)	square	1, 102, 786	269, 176
Shapers, metal-working	—	—	7, 754, 961
Shapers, wood-working	—	—	250, 615
Sharpeners, pencil	—	—	11, 548, 106
Sharpening stones and files	—	—	1
Shawls	doz.	3, 530	69, 353
Shearing machines, metal working	No.	250	129, 955
Sheet forms, commercial, etc., printed	—	—	53, 622, 416
Sheeting, cotton (included in "Cotton fabrics broad woven")	—	—	269, 176
Sheets, crib	—	—	7, 754, 961
Sheets and pillow cases, cotton	—	—	250, 615
Sheets and sheeting, plastic, rubber and waterproofed	—	—	11, 548, 106
Sheet metal building materials, n.e.s.	—	—	1
Sheets, aluminum	—	—	1
Sheets and strips, silicon	—	—	1
Sheets, hoops, strips, skelp (iron and steel, rolled and drawn) and tin plate, galvanized sheets, etc.	—	—	222, 160, 914
Shellac, bleached	—	—	1
Shields, dress	doz. pr.	82, 474	249, 928
Shims, railroad and other	—	—	192, 548
Shingle bands	M	9, 087	98, 356
Shingles, asbestos	—	—	1
Shingles, wooden	square	2, 030, 067	19, 539, 869
Shipbuilding and repairs	—	—	156, 897, 005
Shirts, fine, men's, youths' and boys':	—	—	—
Cotton	doz.	714, 053	20, 167, 462
Silk, rayon and nylon	"	71, 546	2, 490, 049
Not specified	"	14, 346	594, 252
Shirts for formal wear	—	—	1
Shirts, work, men's, youths' and boys':	—	—	—
Cotton	doz.	312, 869	6, 905, 971
Wool and wool mixtures	"	17, 675	906, 613
Shirts, sport, men's, youths' and boys'	"	647, 272	18, 087, 433
Shirts, T-Shirts	"	802, 447	7, 504, 882
Shirts, sweat, jerseys, etc.	"	77, 699	1, 270, 068
Shirts, not specified	"	93, 782	1, 547, 068
Shock absorbers, automobile	No.	1, 964, 229	3, 410, 787
Shoddy, mungo and wool extract (see "Wool or part wool, reworked or reprocessed")	—	—	—
Shoe materials, pyroxylin coated (included in "Fabrics, coated and impregnated")	—	—	127, 509
Shoe trimmings	pr.	96, 194	254, 689
Shoe uppers and tops	M. ft. b.m.	62, 211	7, 031, 218
Shooks, box	—	—	—
Shortening:	—	—	—
Containing animal fat and marine oil	lb.	98, 635, 470	21, 858, 118
Wholly vegetable	"	64, 859, 472	15, 801, 361
Shorts and middlings	ton	395, 480	18, 801, 315
Shovels, hand	—	—	208, 620
Shovels, power	—	—	1, 532, 176

* Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Shuttlecocks, badminton	—	—	¹
Signal systems (traffic, fire alarms, etc.)	—	—	2, 590, 465
Signs, electric:			
Neon and other luminous tube:			
Shipments (sold outright)	—	—	4, 920, 386
" (leased or rented)	—	—	3, 780, 418
Other electric:			
Shipments (sold outright)	—	—	1, 026, 877
" (leased or rented)	—	—	44, 313
Signs, non-electric:			
Metal (sold outright)	—	—	3, 437, 646
Screen processed, other than metal (sold outright)	—	—	1, 089, 146
Other non-electric:			
Shipments (sold outright)	—	—	2, 281, 567
" (leased or rented)	—	—	333, 392
Silicon carbide, crude	ton	80, 467	10, 430, 549
Silicon manganese, silico spiegel, etc. (included in "Ferro-alloys")			
Silk and synthetic fabrics, broadwoven:			
All silk and mixtures containing silk	yd.	1, 055, 458	1, 101, 989
All continuous filament synthetic yarn:			
Rayon (see also "Knitted fabrics")	"	43, 080, 796	22, 793, 051
Nylon (see also "Knitted fabrics")	"	6, 009, 434	3, 795, 368
Other	"	3, 429, 566	2, 448, 200
All spun rayon	"	19, 636, 003	13, 045, 011
Mixtures of continuous filament rayon and spun rayon	"	6, 934, 627	5, 870, 282
Mixtures of continuous filament rayon and cotton	"	6, 479, 755	4, 714, 403
Mixtures of spun rayon and cotton	"	1, 305, 516	1, 070, 194
Mixtures of rayon and wool	"	213, 658	294, 425
Other synthetic mixtures	"	8, 616, 525	9, 156, 184
Silos	—	—	¹
Silver alloys	—	—	906, 749
Silver, fine	—	—	1, 188, 718
Silver, sterling, melted, rolled, etc.	—	—	2, 605, 583
Size	—	—	1, 956, 730
Skates, ice	pr.	1, 794, 480	2, 622, 252
Skates, roller	—	44, 350	130, 795
Skate equipment	—	—	2, 796
Skewers	—	—	¹
Skills, including water skis	pr.	76, 785	311, 701
Ski poles and fittings	—	—	220, 798
Skins, calf	No.	705, 948	3, 054, 734
Skins, sheep	—	—	1, 872, 475
Skins, pickled	No.	421, 119	534, 341
Skins, dressed (excluding raw)	—	—	1, 933, 331
Skips and cages (mining and metallurgical)	—	—	492, 869
Skirts:			
Cotton	No.	1, 760, 875	4, 710, 432
Rayon	"	637, 903	1, 968, 853
Rayon mixtures	"	738, 295	2, 457, 258
Woollen	"	2, 073, 397	11, 513, 661
Other	"	230, 283	1, 012, 115
Slabs and edgings	cord	544, 840	2, 290, 431
Sleighs, baby	No.	6, 647	24, 599
Sleighs, children's	"	202, 336	351, 776
Sleighs, horse-drawn, etc. (see also "Vehicles, farm sleighs, etc.)	"	237	15, 558
Slicers, meat and bread	—	—	¹
Slippers: (see also "Footwear, felt"):			
Babies'	pr.	200, 124	186, 248
Boys'	"	125, 429	199, 355
Children's including little gents	"	304, 436	396, 437
Men's	"	1, 006, 679	2, 253, 603
Misses'	"	174, 800	271, 924
Women's and growing girls'	"	1, 269, 701	2, 539, 737
Youths'	"	47, 427	71, 036
Slippers, Indian:			
Babies'	"	—	—
Boys'	"	3, 016	5, 054
Children's, including little gents'	"	62, 430	80, 100
Men's	"	265, 486	254, 580
Misses'	"	226, 250	460, 365
Women's and growing girls'	"	478, 878	500, 563
Youths'	"	1, 903, 786	2, 109, 987
Slippers, not specified	"	4, 587	7, 251
Smelter and refinery products*	—	—	534, 235
Snocks, women's and misses'	—	410, 800	1, 396, 565
Smoke breaching	doz.	10, 203	257, 996
Smoker sets and smokers' supplies, n.e.s.	—	—	298, 707
Smokestacks, steel	—	—	711, 876
Snaths, scythe	—	—	341, 542
Snow shoes	—	—	¹
Snowmobiles and parts	—	—	¹
Snow removal equipment	—	—	790, 281
Soap:			
Castile	—	—	1, 965, 747
Household and laundry (bars)	lb.	840, 553	216, 803
Household and laundry (Chips and flakes)	"	16, 704, 372	2, 791, 022
Liquid, not specified	"	20, 913, 000	3, 589, 618
Powder	—	—	1, 719, 540
Soft	lb.	52, 112, 380	10, 712, 482
	"	2, 945, 444	329, 995

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 — Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Soap — Concluded:			
Textile and mill	lb.	499, 773	57, 822
Toilet (bars and liquid)	"	42, 809, 653	12, 774, 672
Shaving, including shaving creams	"	1, 553, 279	2, 238, 827
Hand soap and pastes, mechanics'	"	3, 234, 398	580, 397
Soap, not specified	—	—	576, 018
Soap stock	lb.	6, 981, 166	152, 871
Sodium azide	—	—	1
Sodium benzoate	—	—	1
Sodium carbonate	—	—	1
Sodium carboxymethyl cellulose	—	—	1
Sodium chlorate	—	—	1
Sodium cyanide	—	—	1
Sodium hydroxide	ton	177, 674	10, 802, 699
Sodium hydrosulphide	—	—	1
Sodium hypochlorite	—	—	1
Sodium metabisulphite	—	—	1
Sodium metasilicate	—	—	1
Sodium phosphate, monosodium, disodium trisodium and tetrasodium	—	—	1
Sodium pyrophosphate	—	—	1
Sodium silicate	—	—	1
Sodium sulphate and sulphite	—	—	1
Sodium sulphamethazin	—	—	1
Sodium thiosulphite	—	—	1
Sodium tripolyphosphate	—	—	1
Solder	lb.	12, 936, 583	6, 086, 370
Soling, rubber:			
Rubber and composition soles	pr.	5, 825, 858	2, 024, 143
Soling and slabs for heels, rubber and composition	lb.	12, 116, 558	4, 267, 358
Soles, tap and other, leather	pr.	3, 932, 979	2, 025, 497
Soles, felt and other (insoles)	—	—	1, 025, 090
Soup, canned (excluding infants' soups)	lb.	231, 240, 402	42, 077, 767
Soup mix	"	8, 984, 650	7, 361, 174
Soup filler or cracker meal	"	2, 123, 994	190, 897
Spades and shovels	No.	1, 043, 202	2, 044, 742
Spark plugs	"	29, 143, 118	8, 212, 172
Spectacles, complete	pr.	138, 170	1, 133, 189
Speed reducer units	No.	22	3, 808, 282
Spice compound	lb.	415, 374	198, 679
Spices, mixed, whole or ground	"	4, 478, 399	3, 479, 050
Spikes, railway	ton	18, 817	3, 235, 704
Spikes, other	—	—	944, 520
Spinning, custom	—	—	3, 901, 793
Spinings, metal, etc.	—	—	44, 651
Spirits, produced during the year but placed in bond for maturing:			
Neutral spirits, grain	pf. gal.	22, 404, 304	15, 037, 481
Neutral spirits, molasses	"	978, 012	498, 639
Neutral spirits, other	"	16, 921	45, 251
Spirits, beverage, sold outside the Distilling Industry:			
Whiskey, Highland type	"	141, 194	1, 172, 234
Whiskey, rye type	"	11, 196, 990	91, 162, 550
Whiskey, other types	"	16, 019	113, 574
Gin	"	1, 273, 952	7, 571, 008
Brandy	"	40, 567	378, 331
Rum	"	549, 048	4, 036, 722
Other beverage spirits	"	515, 623	2, 641, 934
Sponges, cellulose	—	—	1
Spools, bobbins and shuttles	—	—	1, 284, 774
Sport gloves and mitts	—	—	1, 375, 410
Sporting goods, not specified	—	—	695, 715
Spraying and dusting machines and equipment, including hand sprayers	—	—	918, 390
Springs, automobile, chassis	—	—	9, 755, 283
Springs, bed:			
Box	No.	225, 841	5, 206, 378
Coil	"	7, 803	59, 643
Cable	"	103, 966	639, 895
Link	"	71, 637	858, 637
Slat	"	207, 831	2, 111, 726
Bed, n.e.s.	"	114, 325	485, 885
Springs (upholstering and constructions for automobiles and trucks)	—	—	10, 073, 116
Springs, upholstering, other	—	—	3, 942, 596
Springs, for cars and locomotives	—	—	1, 303, 282
Springs, n.e.s.	—	—	3, 343, 529
Squares, hardwood, etc.	—	—	1, 516, 206
Stabilizers, ice cream, etc.	lb.	87, 204	49, 942
Stains	gal.	320, 136	943, 332
Stampings, metal, n.e.s.	—	—	13, 674, 389
Stamps, postage, revenue, etc.	—	—	1, 281, 335
Stamps, rubber	—	—	1, 535, 156
Stamps, not specified	—	—	158, 491
Staples, wire	kegs	27, 315	283, 315
Starch, corn, edible	—	—	1
Starch, corn, laundry	—	—	1
Starch and flour, potato	ton	2, 874	356, 833
Starch, blended	—	—	1
Starch, n.e.s.	—	—	1, 454, 467
Stationery goods, not specified	—	—	1, 097, 324
Statues, art goods and church supplies	—	—	1, 260, 991
Staves, barrel	—	—	1, 246, 734
Steam	—	—	977, 938

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Steam traps, etc.	lb.	1, 291, 529	2, 383, 227
Stearine			133, 841
Steel erected (structural work):	ton	60, 484	26, 716, 083
Bridges	"	328, 568	107, 544, 211
Buildings	"	16, 644	6, 029, 153
Transmission towers	"	47, 858	16, 428, 037
Other			
Steel shapes, structural (angles, channels, tees, etc.):	"	317, 033	—
Quantity made	"	316, 597	38, 912, 267
Quantity shipped			
Steel and alloy steel ingots:	"	5, 180, 421	—
Quantity made	"	47, 940	3, 436, 571
Quantity shipped			19, 480, 624
Steel, miscellaneous	—	—	650, 068
Steel wool	—	—	1
Stellite	—	—	1
Steepwater	—	—	337, 727
Stencils			
Stockinette (see "Knitted Fabrics").	No.	1, 330	1, 374, 315
Stokers, mechanical	—	—	708, 651
Stoker parts	—	—	4, 843, 000
Stone, artificial	—	—	260, 877
Store fixtures, n.e.s.			
Stoves, heating and cooking:	No.	72, 737	3, 292, 795
Coal, wood and sawdust	"	19, 498	4, 034, 746
Solid fuel or oil with electric or gas combination	"	217, 159	33, 225, 480
Electric stoves or ranges, all styles	"	36, 756	1, 358, 324
Electric rangettes	"	99, 487	2, 495, 433
Gasoline, fuel oil, or kerosene stoves or ranges, (cooking)	"	73, 032	3, 485, 671
Gasoline, fuel oil or kerosene stoves or space-heaters (heating)	"	35, 991	4, 137, 097
Gas stoves and ranges (cooking)	"	4, 247	263, 444
Gas stoves (heating)	"	4, 228	46, 479
Gas cooking plates, no oven	—	—	2, 745, 445
Other stoves and parts including cafeteria, restaurant, etc.			
Stove pipes (see "Pipes and elbows, stove")			
Straps, leather	doz.	85, 462	243, 851
Straws, drinking	M	822, 865	395, 478
Streptomycin (included in "Antibiotics").			
Styrene	—	—	1
Sugar butter	lb.	3, 580, 346	679, 884
Sugar granulated:			
Beet	"	262, 840, 368	22, 829, 033
Cane	"	1, 074, 375, 012	81, 509, 065
Sugar, brown or yellow	"	130, 985, 453	9, 637, 235
Sugar, icing (starch added)	"	73, 465, 890	6, 469, 343
Sugar, invert	"	10, 444, 377	774, 635
Sugar, loaf	"	13, 296, 719	1, 399, 247
Sugar of milk	"	393, 111	69, 027
Sugar, pulverized (no starch added)	"	7, 505, 076	626, 358
Suits: (see also "Clothing, suits, sport").			
Boys':			
Rayon	No.	94, 359	972, 263
Rayon and wool, chiefly rayon	"	58, 215	696, 379
Rayon and wool, chiefly wool	"	27, 586	309, 438
Wool	"	12, 070	181, 539
Other	"	5, 719	51, 028
Children's:			
Cotton	"	45, 027	250, 785
Rayon and mixtures	"	32, 930	194, 317
Wool and partly wool	"	24, 294	244, 910
Playsuits and wash suits, n.s.	doz.	126, 118	1, 907, 636
Men's and youths':			
Rayon	No.	157, 921	3, 019, 457
Rayon and wool, chiefly rayon	"	208, 393	4, 147, 649
Rayon and wool, chiefly wool	"	90, 309	2, 777, 379
Wool	"	1, 433, 665	51, 823, 294
Not specified	"	4, 435	48, 932
Women's and misses':			
Cotton	"	3, 667	23, 172
Rayon and rayon mixtures	"	140, 862	1, 939, 518
Wool and partly wool	"	523, 408	11, 690, 466
Not specified	"	42, 239	1, 076, 255
Suits and dresses, women's and children's knitted (see "Dresses, wool knitted").			
Suits, uniform:			
Men's and youths':			
Military	"	7, 073	361, 330
Non-military	"	96, 402	3, 189, 982
Sulphonamide (sulpha) preparations	—	—	1, 983, 204
Sulphur	—	—	1
Sulphur dioxide, liquid	—	—	1
Superheaters	—	—	1
Superphosphate milled, screened and bagged	—	—	1
Superphosphate, other (included in "Fertilizers, other than mixed").	ton	16, 541	601, 785
Surfacers, wood-working			
Surgical and orthopaedic appliances and surgical dressings:	—	—	1
Surgical bandages and dressings	—	—	5, 294, 958
Surgical belts	—	—	946, 227
Surgical stockings, elastic	—	—	444, 434
Orthopaedic boots	—	—	1
Orthopaedic corsets	pr.	16, 068	109, 869

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Surgical and orthopaedic appliances and surgical dressings - Concluded:			
Artificial limbs	No.	2,343	306,944
Foot easers, arch supports, knee caps, etc.	"	"	436,039
Trusses	"	"	186,101
Other surgical supports	"	"	807,776
Surgical instruments and orthopaedic appliances, not specified	"	"	190,903
Suspenders, supporters and garters	doz.	549,664	1,558,314
Swathers	No.	8,719	8,964,055
Sweaters, jackets, etc.	doz.	1,191,450	34,415,355
Sweeping compounds	"	"	867,622
Switch gear and protective equipment (except telephone switch-boards)	"	"	56,452,654
Synthetic and plastic products, n.e.s.	"	"	81,557,228
Syringes, fountain and attachments	doz.	15,345	121,216
Syrup, beverage	gal.	662,721	1,704,445
Syrup, corn	"	"	679,707
Syrup, fountain, fruit, etc.	"	"	921,578
Syrup, table	"	"	1,494,377
Syrups from cane, not including molasses	ton	8,532	9,656,858
Syrups for soft drinks (for sale)	gal.	4,781,829	643,285
Syrup making equipment (maple)	"	"	68,515
Syrups, other	"	"	1,131,342
Table cloths and napkins (fabric)	"	"	329,050
Table cloths, plastic	doz.	49,905	1,738,484
Tableware, plastic	"	"	2,490,581
Tableware, pottery	"	"	810,534
Tacks, cut, wire	"	"	22,787,002
Tags and labels, shipping	"	"	2,946,877
Tags and tickets, price	"	"	3,242,674
Tailors' supplies, n.e.s.	"	"	11,072,271
Tallow	"	"	1,526,376
Tank house products	lb.	37,204,390	2,122,653
Tankage, animal	ton	32,077	269,842
Tank jackets	"	"	21,984,107
Tanks, steel, storage, black, galvanized, etc.	"	"	6,079,665
Tanks, pressure, n.e.s.	"	"	733,268
Tanks, steel, pneumatic	"	"	899,058
Tanks, steel, septic	"	"	10,805,262
Tanks, other, not specified	"	"	1,224,345
Tape, adhesive	"	"	2,164,381
Tape, rubber and friction*	lb.	2,179,200	4,893,241
Tape, paper, gummed	"	"	5,025,878
Tape, pressure, sensitive	"	"	838,836
Tape, telegraph	"	"	2,898,762
Tapes, fabric	"	"	7,328,678
Tapes and rulers, measuring, steel, etc.	"	"	6,037,583
Tapestries and other upholstering fabrics	"	"	809,979
Tapioca	"	"	1
Tar, coal, crude	gal.	26,379,338	1
Tar, refined	"	3,816,392	1
Targets, aerial, etc.	"	"	1
Tea, blended, etc.	lb.	43,423,035	51,237,086
Telecommunication equipment, n.e.s.	"	"	8,669,195
Telephone material	"	"	70,724,710
Television receiving sets and equipment	"	"	95,594,782
Television picture tubes	"	"	1
Tenoners, wood-working	No.	81	108,146
Tents	"	"	2,721,654
Textile and leather specialties, n.e.s.	"	"	3,918,780
Thermometers, all kinds	No.	588,496	688,390
Thickeners, mining and metallurgical	"	"	1
Thinners, pyroxylin	gal.	2,610,925	3,495,526
Thiourea	"	"	1
Thread, cotton	"	"	10,926,579
Thread, rayon, silk, etc.	"	"	1,415,980
Threading machines	"	"	1
Threshers, and combine reaper-threshers and attachments	"	"	37,245,241
Ties, wooden	"	"	10,632,548
Tile, asphalt	sq. ft.	18,706,917	2,375,292
Tile, gypsum	"	"	1
Tile, haydite (included under "Building blocks, etc.")	"	"	1
Tile, plastic, not specified	sq. ft.	7,925,311	2,842,347
Tile, vinyl asbestos, floor	"	17,541,189	3,618,220
Tile from domestic clay:			
Drain	M	48,636	3,004,956
Floor	sq. ft.	238,817	98,280
Tile from imported clay:			
Floor	"	666,000	361,204
Wall	"	5,135,006	2,375,656
Tile, rubber	lb.	9,650,998	2,550,947
Tile, hollow blocks including fire-proofing and load-bearing tile	ton	206,348	3,863,522
Tile, not specified	"	"	2,014,411
Tile board, enamelled	"	"	1
Timers, interval	"	"	1
Tin alloys	"	"	1
Tin	lb.	88,394	92,824
Tin plate (included with "Sheets, strips, etc.")	"	"	1
Tinned plate scrap	ton	27,429	1,147,575
Tinsel	"	"	1
Tinware, japanned or not	"	"	1,285,510
Tire braids, auto	"	"	1

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 - Continued

Item	Unit of measure	Quantity	Value of factory shipments
			\$
Tire fabrics	lb.	32,407,511	27,391,147
Tires and tubes:			
Balloon, casings	No.	7,728,819	166,466,150
Balloon and high pressure inner tubes	"	3,307,878	8,714,882
Aeroplane tires	"	11,591	542,095
Aeroplane tubes	"	7,157	56,900
Bicycle tires	"	427,084	466,683
Bicycle tubes	"	502,099	280,760
Implement and tractor tires	"	231,359	7,308,001
Industrial tires	"	147,414	718,082
Industrial tubes	"	—	1
Motorcycle tires	No.	3,453	51,434
Other rubber tires, n.e.s.	"	—	1
Tires, railway car	"	—	1
Tissues, cleansing, paper	No.	374,461	3,554,357
Toasters, electric	No.	—	—
Tobacco: ¹			
Chewing, cut and twist	lb.	122,690	309,874
Chewing plug	"	919,754	2,314,186
Smoking, leaf	"	61,475	45,046
Smoking, cut	"	21,350,669	53,179,515
Smoking, plug	"	175,939	430,592
Snuff	"	825,446	2,135,685
Stems and cuttings	"	—	1,963
Tobacco, raw leaf, processed*	lb.	113,808,805	69,714,069
Tobacco curing equipment	"	—	401,505
Tobacco pouches	No.	61,072	26,834
Toboggans	"	183,497	612,986
Toilet preparations, n.e.s.:			
Bath salts and bath oils	—	—	818,983
Creams solid or liquid, all kinds	—	—	4,176,668
Home permanent wave kits	—	—	3,596,635
Rouge and lipsticks	—	—	3,146,062
Shampoos and hair rinses	—	—	4,919,323
Bay rum, hair tonics, brillantime liquid, etc.	—	—	6,008,511
Toilet water and lotions	—	—	6,428,717
All other	—	—	7,678,943
Toilet seats	—	—	1
Toiletware, sterling silver	—	—	225,523
Toiletware and dresserware	—	—	1
Toluene and toluol	—	—	753,181
Tomato catsup, canned	lb.	3,952,131	630,487
Tomato catsup, other	"	34,483,214	7,769,729
Tomato juice	"	128,907,934	11,127,000
Tomato paste and puree	"	1,557,600	340,115
Tomato pulp	"	4,587,443	484,416
Tools, carpenters' and mechanics' other than portable pneumatic and electric tools	—	—	4,918,165
Tools, machine, n.e.s.	—	—	5,696,996
Tools, small, cutting	—	—	4,900,842
Tools, n.e.s.	—	—	5,585,041
Toothpicks	—	—	1
Toppings for ice cream and cake	—	—	1,826,728
Towelling (included in "Cotton fabrics, broad woven"),	—	—	—
Towels, all kinds	—	—	6,957,417
Towels, paper	—	—	4,579,842
Toys:			
Metal	—	—	2,672,269
Plastic, including wading pools	—	—	5,399,461
Rubber	—	—	268,628
Wooden	—	—	639,923
Miscellaneous, including model aeroplanes	—	—	2,811,026
Tractors	—	—	1
Trade work, n.e.s. (printing plant)	—	—	5,121,210
Trailers:			
Cabin or house type	No.	2,838	8,832,196
Commercial (except logging and van)	"	4,388	18,647,241
Logging	"	63	434,930
Not specified	—	—	186,257
Transfers, paper, decalcomania	—	—	1,942,622
Transfers, paper, dry	—	—	175,295
Transformers	—	—	66,544,868
Transformer parts	—	—	3,053,699
Transmission towers, electric (see "Steel erected").	—	—	—
Traps and fittings, lead	—	—	1,036,355
Traps, mouse and rat, etc.	—	—	1
Trays, food	—	—	787,814
Trichlorethylene, refined	lb.	17,055,641	1,847,398
Trimings, not specified	—	—	831,948
Trophies	—	—	677,398
Trucks, factory and other hand trucks	—	—	535,001
Trucks, other, including lift trucks	—	—	3,905,142
Trunks, all kinds	—	—	1,288,825
Tubes, collapsible	No.	132,594	1
Tubes, n.e.s.	—	—	559,682
Tubing, brass, bronze and aluminum	—	—	9,327,367
Tubing, plastic	—	—	703,079
Tubing, rubber	—	—	298,116
Tubing, steel	lb.	409,148	1
Tubing and wristing, knitted	—	—	955,281
Tubs, laundry, cement	No.	59,874	781,985

¹ Indicates that the commodity was reported by one or two concerns.
² Includes excise duties and sales tax.

Alphabetical List of Commodities, 1956 - Continued

Items	Unit of measure	Quantity	Value of factory shipments \$
Turbines and water wheels	—	—	10,857,209
Turpentine	gal,	474,635	153,505
Twine and cordage:			
Baler twine, all sisal	lb.	39,261,720	5,305,374
Binder twine, all sisal	"	21,947,474	3,438,189
Other twine, all sisal	"	5,445,333	1,358,508
Other twine, all hemp and all flax	"	207,915	153,376
Other twine, all jute	"	1,775,749	565,998
Other twine and cordage, not specified	—	—	3,443,263
Type and type metal	—	—	2,613,598
Typesetting (trade composition)	—	—	7,887,156
Typewriters	No.	79,192	9,283,640
Typewriter and other machine ribbons	—	—	2,351,909
Umbrellas	doz.	37,957	1,049,552
Undertakers' supplies (see "Morticians' goods").			
Underwear, knitted, or of knitted fabrics:			
Men's and youths':			
Combinations:			
Cotton or chiefly cotton	"	224,875	5,423,640
Rayon or chiefly rayon	"	2,268	38,783
Wool or chiefly wool	"	34,273	1,754,708
Shirts:			
Cotton or chiefly cotton	"	560,247	3,818,129
Rayon or chiefly rayon	"	2,628	18,788
Wool or chiefly wool	"	19,476	556,609
Drawers:			
Cotton or chiefly cotton	"	171,596	2,244,272
Wool or chiefly wool	"	12,657	406,244
Shorts:			
Cotton or chiefly cotton	"	789,007	4,192,711
Other	"	6,745	77,496
Boys':			
Combinations:			
Cotton or chiefly cotton	"	73,518	1,158,663
Shirts:			
Cotton or chiefly cotton	"	147,277	594,885
Drawers:			
Cotton or chiefly cotton	"	67,114	504,571
Shorts:			
Cotton or chiefly cotton	"	214,795	772,728
Not specified	"	623	18,004
Women's and misses':			
Combinations:			
All kinds	"	32,620	154,577
Drawers:			
All kinds	"	2,016	35,681
Bloomers, panties, etc:			
Cotton or chiefly cotton	"	331,378	1,644,927
Nylon	"	206,285	1,309,737
Rayon or chiefly rayon	"	1,256,572	5,170,657
Wool or chiefly wool	"	13,131	232,693
Vests:			
Cotton or chiefly cotton	"	138,919	787,434
Rayon or chiefly rayon	"	17,793	131,883
Wool or chiefly wool	"	8,676	161,319
Other, n.e.s.	—	—	36,395
Girls':			
Combinations:			
Cotton or chiefly cotton	doz.	530	6,538
Bloomers, panties, etc:			
Cotton or chiefly cotton	"	136,227	546,122
Rayon or chiefly rayon	"	12,284	43,729
Wool or chiefly wool	"	690	7,897
Drawers:			
Cotton or chiefly cotton	"	1,043	6,553
Vests:			
Cotton or chiefly cotton	"	82,389	372,054
Not specified	"	1,664	12,673
Children's and infants':			
Combinations:			
Cotton or chiefly cotton	"	4,671	49,753
Not specified	"	10,408	267,803
Drawers, bloomers and panties:			
Cotton or chiefly cotton	"	564,469	1,581,902
Nylon or chiefly nylon	"	16,051	56,718
Rayon or chiefly rayon	"	291,871	865,413
Not specified	"	223	2,040
Vests:			
Cotton or chiefly cotton	"	313,489	1,389,946
Wool or chiefly wool	"	1,656	10,506
Underwear, woven fabrics:			
Men's and youths':			
Shorts:			
Rayon	"	14,667	171,583
Cotton	"	119,633	1,025,373
Other	"	537	5,820
Not specified	"	4,169	23,615
Women's and misses':			
Bloomers, panties, etc:			
Cotton or chiefly cotton	"	5,942	24,833
Rayon or chiefly rayon	"	11,782	50,695
Nylon or chiefly nylon	"	9,582	66,809

Alphabetical List of Commodities, 1956 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Underwear, woven fabrics - Concluded:			
Children's:			
Bloomers, panties, etc:	doz.	26,581	99,086
All kinds	—	—	—
Underwear, not specified:			
Children's	—	3,821	10,000
Men's and boys'	—	21,027	196,755
Women's and misses'	—	2,843	10,000
Not specified	—	—	427,921
Underslips:			
Rayon mixtures	doz.	269,301	5,390,038
Cotton	—	314,131	4,999,016
Nylon	—	343,033	6,982,404
Not specified	—	—	1,843,828
Uniforms, (nurses, maids, etc.)	—	—	3,041,369
Uniforms, military (see "Jackets", "Pants" and "Suits")	—	—	—
Uniforms, other (see also "Pants, uniforms" and "Suits, uniform")	—	—	387,475
Upholstering materials (cotton tufts) (see also "Tapestries")	—	—	1
Valves, brass and bronze	—	—	7,329,153
Valves, corporation, brass	—	—	1,538,551
Valves, iron	—	—	10,899,193
Valves, steel	—	—	4,782,386
Valves, tire	—	—	1
Valves, not specified	—	—	3,042,590
Varnishes	—	—	10,522,005
Vaults, burial, cement and other	No.	8,318	485,184
Vegetable salad	—	—	1
Vegetables canned:			
Asparagus	lb.	4,207,795	1,540,658
Beans, baked	—	101,636,012	12,503,099
Beans, green or wax	—	51,302,929	6,262,489
Beans, kidney	—	1,602,991	174,592
Beans, lima	—	1,875,939	275,700
Beets	—	14,222,908	1,524,119
Carrots	—	6,532,081	473,774
Carrots and peas	—	7,981,141	1,050,699
Corn, cream of, whole grain, etc.	—	69,371,897	8,525,484
Mushrooms	—	3,483,886	1,834,730
Peas	—	103,530,423	13,021,694
Pumpkin and squash	—	5,958,578	513,682
Spinach	—	1,433,701	175,224
Sauerkraut	—	8,004,593	790,320
Tomatoes	—	77,990,234	9,245,619
Vegetables, mixed	—	10,298,190	1,074,134
Vegetables, other	—	6,244,634	689,132
Vegetables, evaporated and dehydrated	—	2,894,115	271,261
Vegetables in brine	—	1,377,533	148,665
Vegetables, frozen or cold pack	—	32,589,384	5,938,102
Vegetables in SO ₂	—	—	1
Vegetable juices, canned	—	—	1
Vegetable peelers and slicers	—	—	1
Vehicles, children's:			
Tricycles	No.	178,187	1,757,047
Other	—	124,797	788,284
Parts	—	—	11,000
Vehicles (farm sleighs, wagons, trucks, etc) (see also "Sleighs" and "Wagons")	—	—	394,875
Veils and veiling	—	—	60,561
Veneer	—	—	25,380,833
Veneer logs	M.ft. b.m.	8,272	1,300,906
Ventilators	—	—	1,811,444
Vermiculate	—	—	1,535,844
Vestments	—	—	749,075
Vests, woollen (outerwear)	No.	21,651	117,567
Vests, other (outerwear)	—	17,983	71,843
Vinegar made for own use	imp. gal.	845,302	—
Vinegar made for sale:			
Spirit	—	—	—
Cider	—	8,855,089	3,142,655
Malt	—	702,798	325,570
Visors, sun	—	315,780	160,865
Vinyl acetate	—	—	1
Vinyl chloride monomer	—	—	1
Vitamin preparations	—	—	1
Waffle irons	—	—	17,274,995
Wagons (see also "Vehicles, farm sleighs, wagons and trucks")	No.	48,119	469,850
Wall board, asbestos cement } see "Building boards"	—	—	1
Wall board, gypsum	—	—	—
Wall board, paper	—	—	—
Wall plaster, gypsum	—	—	—
Wall plaster, other	ton	296,571	6,514,279
Wardrobes, wall board	—	2,706	522,928
Wash boards	No.	61,970	235,160
Washers, leather	—	—	44,070
Washers and gaskets, iron, steel, etc.	doz.	6,518,922	301,795
Washing compounds	—	—	5,101,330
Waste, cotton and wool	—	—	1,467,083
Waste, wood	—	—	4,589,710
Waste, other, not specified	—	—	627,128
Watches, assembled	—	—	4,555,967
Watch bracelets, cases, etc.	No.	1,078,437	10,321,800
	—	—	1,158,406

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Water, distilled	gal.	118,925	27,108
Water, mineral, natural	"	582,812	144,930
Waterproofing of fabrics	"	—	466,388
Wax, floor (see "Polishes and waxes").	—	—	—
Wax and wax compounds, all kinds	—	—	5,156,328
Wax, sealing	—	—	28,875
Waxers and wax appliers	—	—	74,393
Weatherstrip	—	—	2,333,850
Weaving, custom	—	—	2,706,613
Webbing, elastic	—	—	2,486,380
Webbing, other	—	—	1,122,261
Weeders	No.	1,577	314,143
Weed killer, formulations	—	—	2,110,759
Welding apparatus, arc	—	—	5,305,586
Welding apparatus, gas and other	—	—	1,183,666
Welding compounds and fluxes	—	—	8,797
Welding electrodes	—	—	6,822,870
Welting	—	—	1,213,244
Wet machine boards	ton	8,389	1,580,699
Wheelbarrows and parts	—	—	970,639
Wheels, automobile	—	—	—
Wheels, railway car	ton	93,656	5,974,619
Wheels, not specified	—	—	536,821
Whey	lb.	6,232,339	226,269
Whips	—	—	—
Whiskies (see "Spirits").	—	—	—
Whisks	doz.	34,151	133,906
Windows, complete, aluminum and other	—	—	28,520,364
Window sash, aluminum, etc.	—	—	209,380
Wine cocktails	—	—	—
Wine sold during the year	gal.	5,036,719	12,986,111
Wine produced and placed in storage for maturing	"	5,473,876	3,295,939
Wine spirit	—	—	—
Wiping cloths and rags, washed and sterilized	lb.	12,754,134	3,456,953
Wiping cloths and rags, other	—	—	1,904,391
Wire, brass and copper	—	—	—
Wire, gold filled and alloys	—	—	663,305
Wire, steel:	—	—	—
Barbed:	—	—	—
Quantity made	ton	6,671	—
Quantity shipped	"	6,849	1,168,052
Cold rolled flat, all sizes:	—	—	—
Quantity made	"	2,214	—
Quantity shipped	"	1,322	432,290
Galvanized:	—	—	—
Quantity made	"	73,154	—
Quantity shipped	"	38,929	8,717,868
Plain:	—	—	—
Quantity made	"	369,049	—
Quantity shipped	"	147,367	26,176,412
Strand, twisted:	—	—	—
Quantity shipped	"	7,982	3,038,952
Other, coated:	—	—	—
Quantity made	"	2,121	—
Quantity shipped	"	2,154	673,724
Wire and cable, electrical	—	—	186,518,927
Wire rope and cable, n.e.s.	—	—	17,894,147
Wire cloth, all metals, including screen cloth	—	—	14,925,546
Wire mesh, steel woven or welded	ton	27,215	5,375,670
Wire netting	"	1,067	362,555
Wire and wire goods, n.e.s.	—	—	9,833,858
Wiring devices, not elsewhere specified	—	—	16,318,790
Wooden products, n.e.s.	—	—	—
Wood flour	ton	9,713	4,044,072
Woodenware, kitchen	—	—	257,374
Woodenware, not specified	—	—	229,590
Wood preservation	—	—	838,793
Wood preservatives	—	—	—
Wood turning, n.s.	—	—	527,903
Woodwork, sanitary	—	—	2,229,506
Wool, mineral (building)	—	—	203,445
Wool, mineral (industrial)	—	—	10,953,421
Wool pulled	lb.	1,976,635	6,022,579
Wool tops	—	—	1,591,558
Wool noils	—	—	—
Wool or part wool, reworked or reprocessed	lb.	10,782,991	3,123,244
Woollen cloth, woven:	—	—	—
Suitings, dress goods, overcoatings, etc.:	—	—	—
All wool, woollen	sq. yd.	14,166,626	21,069,385
All wool, worsted	"	7,285,966	15,220,354
Woollen and worsted, mixed	"	409,480	630,286
Cotton warp, woollen	—	—	—
Other woollen and mixtures	sq. yd.	9,338,449	11,666,623
Woven terry goods (fabric)	—	—	—
Other woven fabrics, wool or not containing wool	—	—	524,635
Woven goods (not fabric)	—	—	65,515
Wrappers, waxed (see "Paper, waxed").	—	—	—
Wrappers, paper, other than waxed (see also "Boxes, paper, corrugated")	—	—	1,474,765
Wrappers, printed	—	—	6,372,495
Wringers, clothes	No.	195,440	2,011,031
Xylo	gal.	941,882	306,217

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 - Concluded

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Yarns, spun for sale:			
Cotton:			
Grey, knitting	lb.	15,961,893	12,488,995
Grey, other, singles	"	13,042,679	8,727,155
Grey, other, plied	"	11,856,469	8,577,167
Bleached, knitting	"	343,796	365,118
Bleached, other	"	295,486	295,060
Coloured, knitting	"	1,644,318	1,574,265
Coloured, other	"	1,471,471	1,355,318
Other, including mercerized	"	2,682,107	2,522,997
Cotton and wool mixed:			
Grey	"	295,821	310,366
Bleached and coloured	"	33,633	48,737
Rayon and nylon thrown	"	3,261,809	4,675,633
Rubber covered	—	—	1
Synthetic singles	lb.	42,647,384	46,497,693
Spun rayon and mixtures	"	10,699,556	7,848,493
Synthetic yarns, other	"	6,151,827	4,557,545
Woolen:			
Hand knitting	"	535,658	931,444
Machine knitting	"	3,146,063	4,543,700
Weaving	"	357,599	363,220
Carpet	"	2,490,164	3,156,211
Not specified	"	291,855	425,536
Woolen and mixtures	"	194,086	396,853
Worsted, oil spun:			
Hand knitting	"	1,472,258	4,788,733
Machine knitting	"	4,317,299	9,227,044
Weaving	"	379,621	775,585
Not specified	"	10,022	17,030
Worsted, dry spun:			
Knitting	"	1,647,230	3,802,754
Not specified	"	1,157,197	2,596,717
Yarns, not specified	—	—	4,382,131
Yeast, dry, bakers'	—	—	1
Yeast, dry, brewers'	lb.	2,353,935	241,279
Yeast, fresh (for sale)	—	—	1
Yeast, made for own use in breweries	lb.	2,978,322	—
Yeast food, bread improver, etc.	"	7,759,754	838,866
Yoghourt	gal.	82,040	242,031
Zinc, refined, zinc alloys, etc.	—	—	1,232,130
Zinc chloride	—	—	1
Zinc naphthenate	—	—	1
Zinc oxide and zinc dust	—	—	1
Manufactured food products, packaged only	lb.	12,436,269	2,463,313
Amount received by clothing contractors	—	—	19,605,852
Amount received for rental of signs	—	—	8,142,806
Inter-company transfers	—	—	18,055,125
All other products, not specified:			
Foods and beverages	—	—	21,023,190
Tobacco and tobacco products	—	—	27,788
Rubber products	—	—	2,445,045
Leather products	—	—	2,847,420
Textiles	—	—	3,295,975
Knitting mills	—	—	159,075
Clothing	—	—	2,253,525
Wood products	—	—	5,338,262
Paper products	—	—	2,076,287
Printing, publishing and allied industries	—	—	995,021
Iron and steel products	—	—	142,578,447
Transportation equipment	—	—	154,742,541
Non-ferrous metal products	—	—	22,383,083
Electrical apparatus and supplies	—	—	27,005,180
Non-metallic mineral products	—	—	10,967,651
Products of petroleum and coal	—	—	6,143,683
Chemicals and allied products	—	—	37,530,400
Miscellaneous manufacturing industries	—	—	3,398,493
Custom work and repairs:			
Foods and beverages	—	—	7,462,293
Tobacco and tobacco products	—	—	—
Rubber products	—	—	391,660
Leather products	—	—	1,124,325
Textiles	—	—	5,224,606
Knitting mills	—	—	—
Clothing	—	—	—
Wood products	—	—	3,118,618
Paper products	—	—	16,823,530
Printing, publishing and allied industries	—	—	3,102,368
Iron and steel products	—	—	—
Transportation equipment	—	—	84,008,397
Non-ferrous metal products	—	—	131,667,091
Electrical apparatus and supplies	—	—	4,270,168
Non-metallic mineral products	—	—	12,125,719
Products of petroleum and coal	—	—	1,388,301
Chemicals and allied products	—	—	118,580
Miscellaneous manufacturing industries	—	—	874,501
Products which were reported by only one or two firms and for which figures cannot be shown separately (see Commodities indicated by footnote 1)	—	—	11,945,502
Total value of products listed	—	—	762,719,248
Adjustments due to valuation of intermediate products, excise taxes, etc.	—	—	22,165,115,675
Total	—	—	528,366,689
	—	—	21,636,748,986

¹ Indicates that the commodity was reported by one or two concerns.

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