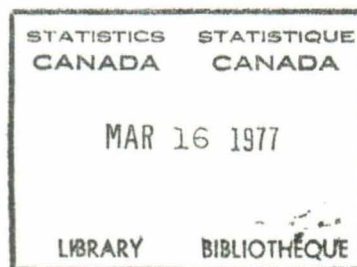


DOMINION BUREAU OF STATISTICS

Industry and Merchandising Division

General Manufactures Section



GENERAL REVIEW
OF THE
MANUFACTURING INDUSTRIES OF CANADA
1951

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PART I. GENERAL ANALYSES OF MANUFACTURING

Section 1. Growth of Manufacturing

In this report the manufacturing industries of Canada are dealt with in two Parts. Part I gives general analyses including the historical development of manufacturing; detailed treatment of current production under various groupings and by individual industries; and principal factors in manufacturing production such as physical volume of production, capital, employment, salaries and wages, size of establishment, and power and fuel. Part II deals with the provincial and local distribution of manufacturing production.

With regard to historical development, it is impossible to give absolutely comparable statistics over a long period of years. From 1870 to 1915 statistics were collected only in connection with decennial or quinquennial censuses, and there was inevitably some variation in the information collected. The annual Census of Manufactures was instituted in 1917 and while numerous changes have been made since then in the information collected and the treatment of the data, an effort has been made to carry all major revisions, in so far as possible, back to 1917 so that the figures for the period since then are on a reasonably comparable basis.

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 the 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.

It should be emphasized that Canada's development as an industrial country is based upon and not independent of her position as a trading nation. In 1952, Canada was sixth among the world's industrial powers and the world's third largest trader. Canada's exports earn a quarter of her income and Canada's per capita trade at \$571 is higher than that of any other country. At the same time, Canada's position has become more closely linked with the North American Continent and trade with the United States has grown to the point where that country took nearly 60 p.c. of Canada's exports in 1951.

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.

The manufacturing industries of Canada in 1951 again established a new record in gross value of production with a total of \$16,392,187,132. This represents an increase of 18.6 p.c. over the previous year's value. Part of the increased value was accounted for by an increase of about 6.0 p.c. in the physical volume of production and the balance by increased prices of fully and partly manufactured products. Accompanying the rise in output was an increase of 6.3 p.c. in the number of persons employed, with an increase of 18.2 p.c. in the salaries and wages paid. Salary and wage payments at \$3,276,280,917 were the highest on record, and exceeded the previous high reported in 1950 by \$505,013,482.

Not all segments of manufacturing production were affected to the same degree by the impact of the war in Korea. The greatest expansion was reported by the industries classified in the durable goods group which, according to preliminary estimates, achieved an increase of 10.3 p.c. in the physical volume of production, as compared with an increase of only 2.7 p.c. for the industries producing non-durable goods. For manufacturing as a whole the increase was 6.1 p.c., the index at 242.1 being only 0.2 points below the record wartime level attained in 1944.

As was to be expected, the industries producing for national defence made the greatest gains in production during 1951. Accordingly, most of the industry groups producing durable goods reported increased activity, while only a few of the industry groups producing consumer goods reported increases in production. The transportation equipment group with an increase of 20 p.c. in physical volume experienced the greatest expansion in production. This was followed by products of petroleum and coal with 13 p.c., iron and steel products 11 p.c., non-ferrous metal products 10 p.c., non-metallic mineral products 9 p.c., paper products 8 p.c., electrical apparatus and supplies 7 p.c., chemicals and allied products 6 p.c., rubber products 5 p.c., foods and beverages 4 p.c., wood products 3 p.c., and miscellaneous industries 0.5 p.c. In the non-durable goods sector, the greatest decline in physical volume of production was reported by the leather products group with 8 p.c., followed by tobacco and tobacco products with 7 p.c., clothing 4 p.c., textiles 2 p.c. and printing, publishing and allied industries 0.3 p.c.

Manufacturing establishments reporting in 1951 numbered 37,021. These plants furnished employment to 1,258,375 persons who received \$3,276,280,917 in salaries and wages. They also produced goods with a selling value at the factory of \$16,392,187,132 and spent \$9,074,526,353 for materials, while the value added by manufacture totalled \$6,940,946,783. It should be remembered that the value added by manufacture does not represent the manufacturers' profits. The value added is obtained by subtracting the cost of materials, including fuel and electricity, from the 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. Compared with the previous year, there was an increase of \$998,888,554 in the value added by manufacture.

Fifteen leading industries accounted for nearly half the total value of production of all industries in 1951. The largest industry — pulp and paper — which has been steadily expanding since the end of the War, is embarking on a further stage of development. From 1946 to 1951 the physical volume of production of the industry increased by one-third and new projects were under way or in an advanced state of planning. For example, in British Columbia a \$40,000,000 mill was nearing completion and projects involving around \$75,000,000 were under construction. Other multi-million-dollar plants were scheduled for Alberta, and significant additions to capacity were planned by a number of Ontario and Quebec companies. In 1951, a 5-p.c. increase was secured in newsprint production by speeding up machines and by more efficient plant operation. New mills contributed to a 20-p.c. increase in market pulp production and a 14-p.c. increase in the output of paperboard and papers other than newsprint. The gross value of production of this industry rose from \$954,000,000 in 1950 to \$1,238,000,000 in 1951. The industry ranks first in wages paid, first in new investment, first in exports as well as first in value of output. It produced one-quarter of the world's output of wood-pulp. Most of the production was processed domestically to provide 54 p.c. of the world's supply of newsprint.

Five industries in the foods and beverages group ranked among the 15 largest in Canada. Because of the basic importance of agriculture to the Canadian economy these industries are in the forefront of industrial activity. The raw products of the farm must be further processed in meat-packing plants, in canning factories, in milk, cheese and butter establishments or in flour mills. The value of production of the slaughtering and meat-packing industry, which ranks second, rose from \$757,000,000 in 1950 to \$892,000,000 in 1951; butter and cheese production was valued at \$331,000,000 in 1950 and \$374,000,000 in 1951; flour milling reported a rise in gross value of production from \$247,000,000 in 1950 to \$281,000,000 in 1951; over the same period miscellaneous food preparations advanced from \$180,000,000 in 1950 to \$260,000,000 in 1951; the bread and other bakery products industry showed a gain from \$215,000,000 in 1950 to \$245,000,000 in 1951. In the post-war years, despite the virtual completion of war relief and emergency feeding programs, the food industries have continued to forge ahead. In 1951 farm income was the highest on record and agriculture's contribution to the Gross National Product of Canada was 30 p.c. higher than in 1950.

The third leading industry — non-ferrous smelting and refining — had a gross value of production of \$670,000,000 in 1950 which rose to \$861,000,000 in 1951. Canada has been the world's leading exporter of non-ferrous metals for over a decade and is also one of the world's leading producers of non-ferrous metals, standing first in the production of nickel, second in aluminum and zinc and fourth in copper and lead. The most important base-metal ore-bodies, at Sudbury, Ont., and Kimberley, B.C., were discovered before the turn of the century. They contain ores of two or more base metals intimately associated and frequently containing appreciable quantities of precious metals such as gold, silver and platinum. Present-day extraction methods are a triumph of modern techniques. Important new discoveries of non-ferrous metals include copper in the Gaspe Peninsula, copper-zinc ores at Chibougamau and zinc in Barraute Township in northwestern Quebec, titanium at Allard Lake on the Gulf of St. Lawrence and nickel-copper at Lynn Lake in northern Manitoba.

The manufacture of motor-vehicles was Canada's fourth largest industry in 1951 and the motor-vehicle parts industry ranked thirteenth. Gross value of production of motor-vehicles rose from \$676,000,000 in 1950 to \$743,000,000 in 1951 when the productive capacity of the industry was nearly three times the pre-war capacity. In 1951 a record number of over

415,000 vehicles of all types were produced; in the same year retail sales of passenger cars amounted to \$683,000,000 and sales of commercial vehicles to \$267,000,000, both record highs. The trend of passenger-car ownership reflects the rising standard of living and the growth of the motor-vehicle industry: in 1939 there were 9.5 persons for each passenger car in the country and in 1951 an estimated 6.7 persons per passenger car. The development of the motor-vehicle parts industry also moved upward, production rising from \$227,000,000 in 1950 to \$263,000,000 in 1951.

The fifth leading industry — petroleum products — grew from \$512,000,000 in 1950 to \$599,000,000 in 1951. In many respects petroleum has been Canada's most outstanding post-war development. Crude petroleum production almost quadrupled from 1947 to 1951 and refining capacity increased by 50 p.c.

For the Canadian lumber industry, 1951 was a year of near-record activity, the output of sawmills advancing from \$497,000,000 in 1950 to \$592,000,000. For most of the period since the end of the War, demand for sawmill products continued to exceed the available supply and, as a reflection, lumber prices more than doubled. During these years the annual lumber output averaged 6,200,000,000 bd. ft., a 60-p.c. increase over the average rate for the four years immediately prior to World War II.

Gross value of production of the primary iron and steel industry advanced from \$341,000,000 in 1950 to \$465,000,000 in 1951. The industry is making tremendous progress because of the expansion of iron-ore production; between 1945 and 1951 production of the Steep Rock mines increased from 500,000 tons to more than 1,300,000 tons and an annual 3,000,000-ton output is expected by 1955. Potentially more important are the developments presently taking place in the Quebec-Labrador area. When production in this field gets under way in 1954, Canada should rank among the six largest producers of iron ore in the world.

Increased activity has been reported by the railway rolling-stock industry. This industry, which in 1950 ranked sixteenth with a gross value of production of \$194,000,000 moved up into tenth position in 1951 with an output of \$301,000,000.

In the textile group, only one industry ranked among the fifteen largest. The output of the cotton yarn and cloth industry advanced from \$257,000,000 in 1950 to \$274,000,000. Both the men's and women's factory clothing industries failed to rank among the leading fifteen industries in 1951. The textile industry was typical of other consumer goods industries which faced a market softening. Investment resources had been largely expended on the basic enlargement of industrial capacity and in the early post-war years production had been expanded to meet large backlogs of demand. The outbreak of hostilities in Korea provided another stimulus to sales but, as this precautionary buying subsided, idle capacity developed in some industries. The same condition in other industrialized countries resulted in an increase in competition in the Canadian market. The gross value of production of the textile industry rose by 110 p.c. between 1946 and 1951. New investment was high during those years and despite the considerable decline in production and sales from early 1951, planned investment in 1952 was up to the levels of the two previous years.

The gross value of production of the rubber goods industry advanced from \$239,000,000 in 1950 to \$312,000,000 in 1951. Canada ranks among the leading countries of the world as a manufacturer of rubber goods and the industry makes an important contribution to the country's export trade. It should be pointed out, however, that much of the increase in 1951 was accounted for by price advances. While many kinds of rubber footwear were produced at a rate exceeding that of 1950, there was a decline in the physical production of some important items such as passenger car tires. The industry is practically confined to Ontario and Quebec with Ontario accounting for almost 70 p.c. of production and employment.

Percentage changes in manufacturing production of each province from 1944 (the wartime high) to 1949 and from 1949 to 1951 were as follows:

Province	1949 Compared with 1944 ¹			1951 Compared with 1949 ²		
	Number of employees	Salaries and wages	Gross value of products	Number of employees	Salaries and wages	Gross value of products
Prince Edward Island	- 2.2	+ 25.9	+ 69.2	+ 0.7	+ 15.2	+ 24.3
Nova Scotia	- 22.5	- 8.8	+ 21.1	+ 4.1	+ 17.0	+ 22.6
New Brunswick	+ 1.2	+ 36.7	+ 52.2	+ 4.5	+ 21.1	+ 32.7
Quebec	- 8.0	+ 21.2	+ 29.3	+ 6.9	+ 24.2	+ 29.8
Ontario	- 1.3	+ 33.8	+ 40.6	+ 7.6	+ 27.9	+ 32.3
Manitoba	+ 2.5	+ 37.2	+ 34.7	- 1.2	+ 16.3	+ 16.2
Saskatchewan	- 12.3	+ 25.8	+ 23.0	+ 1.7	+ 18.0	+ 16.3
Alberta	+ 19.1	+ 65.9	+ 47.1	+ 10.1	+ 25.4	+ 23.2
British Columbia	- 13.7	+ 9.9	+ 46.2	+ 12.9	+ 33.7	+ 46.4
Canada	- 4.8	+ 26.9	+ 36.7	+ 7.4	+ 26.4	+ 31.4

1. Excluding Newfoundland.
2. Including Newfoundland.
3. Exclusive of fish processing.

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 5.

TABLE 1. Summary Statistics of Manufactures, 1917-51

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 1942 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 of materials	Net value of products ¹	Gross value of products
	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 ²	20,981	3,065,730,916	522,924	569,944,442	1,571,788,252	1,167,936,726	2,816,864,958
1926 ²	21,301	3,208,071,197	559,161	625,682,242	1,712,519,991	1,305,168,549	3,100,604,637
1927 ²	21,501	3,454,825,529	595,052	662,705,332	1,741,128,711	1,427,649,292	3,257,214,876
1928 ²	21,973	3,804,062,566	631,429	721,471,634	1,894,027,188	1,597,887,676	3,582,345,302
1929 ²	22,216	4,004,892,009	666,531	777,291,217	2,029,670,813	1,755,386,937	3,883,446,116
1930 ²	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	3	1,222,882	2,029,621,370	4,832,333,356	4,015,776,010	9,073,692,519
1945	29,050	3	1,119,372	1,845,773,449	4,473,668,847	3,564,315,899	8,250,368,866
1946	31,249	3	1,058,156	1,740,687,254	4,358,234,766	3,467,004,980	8,035,692,471
1947	32,734	3	1,131,750	2,085,925,966	5,534,280,019	4,292,055,802	10,081,026,580
1948	33,420	3	1,155,721	2,409,368,190	6,632,881,628	4,938,786,981	11,875,169,685
1949 ⁴	35,792	3	1,171,207	2,591,890,657	6,843,231,064	5,330,566,434	12,479,593,300
1950 ⁴	35,942	3	1,183,297	2,771,267,435	7,538,534,532	5,942,058,229	13,817,526,381
1951 ⁴	37,021	3	1,258,375	3,276,280,917	9,074,526,353	6,940,946,783	16,392,187,132

1. For 1924 and subsequent years the net value of production is computed by subtracting the cost of fuel and electricity and the cost of materials from the gross value. Figures prior to 1924 are not comparable because statistics for cost of electricity are not available.

2. 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.

3. Not collected.

4. Includes Newfoundland.

TABLE 2. Summary Statistics of Manufactures, by Provinces, Significant Years, 1917-51

Province and Year	Estab- lish- ments	Capital	Em- ployees	Salaries and wages	Cost of materials	Net value of products ¹	Gross value of products
	No.	\$	No.	\$	\$	\$	\$
Newfoundland:							
1949	793	4	6,934	15,486,336	31,228,173	32,918,776	67,264,282
1950	850	4	6,682	16,246,252	31,505,623	36,712,377	71,062,850
1951*	822	4	9,622	22,681,246	43,117,299	53,690,187	100,642,613
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	6,300,080
1929 ²	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	4	1,786	1,694,763	6,993,510	3,570,835	10,713,644
1945	234	4	1,851	1,679,212	8,242,949	3,178,434	11,592,753
1946	246	4	1,755	1,651,469	7,582,046	3,469,435	11,200,310
1947	260	4	1,906	1,938,467	8,610,332	3,849,353	12,653,451
1948	254	4	1,759	2,073,985	12,634,785	4,217,680	17,074,084
1949	251	4	1,747	2,133,555	13,537,144	4,338,320	18,123,200
1950	244	4	1,786	2,342,180	15,243,042	4,284,417	19,811,023
1951	237	4	1,735	2,459,553	17,177,748	5,046,797	22,523,439
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	147,096,028
1929 ²	1,094	118,951,398	19,986	16,905,885	50,725,562	35,676,421	89,787,548
1933	1,277	92,004,624	12,211	9,604,680	25,354,319	19,988,257	47,912,432
1939	1,083	101,954,082	17,627	16,651,685	43,332,195	35,885,563	83,139,572
1944	1,281	4	37,812	59,940,411	103,463,123	93,376,638	204,421,664
1945	1,297	4	33,423	51,703,245	107,860,539	84,358,189	199,775,177
1946	1,397	4	29,724	43,060,259	100,354,480	71,738,873	178,793,420
1947	1,480	4	30,285	46,113,036	111,354,221	84,935,517	204,219,433
1948	1,440	4	30,348	52,553,200	140,761,593	95,774,483	246,111,683
1949	1,480	4	29,311	54,686,577	135,841,899	102,294,298	247,592,389
1950	1,482	4	28,479	54,888,061	147,131,045	97,780,564	255,887,499
1951	1,474	4	30,512	63,975,754	172,115,336	119,486,630	303,619,234
New Brunswick:							
1917	943	60,300,907	19,710	12,893,014	32,380,621	27,027,725	59,408,346
1920	901	101,216,395	19,007	19,266,821	60,812,641	45,803,164	106,615,805
1929 ²	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	4	23,164	32,345,080	83,993,599	62,258,478	152,106,577
1945	889	4	22,503	32,408,048	87,235,347	63,380,075	156,623,378
1946	993	4	22,732	33,151,919	96,389,299	67,783,377	170,753,741
1947	1,061	4	24,181	39,583,393	116,491,443	83,487,984	208,366,438
1948	1,067	4	24,325	43,918,687	134,410,529	91,404,150	234,579,684
1949	1,060	4	23,446	44,219,819	131,804,253	91,187,375	231,506,191
1950	1,067	4	23,863	46,386,069	148,066,224	106,204,409	263,753,067
1951	1,084	4	24,505	53,546,882	176,358,864	120,594,955	307,173,504
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 ²	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	4	424,115	668,156,053	1,494,253,053	1,350,519,134	2,929,685,183
1945	10,038	4	384,031	607,473,443	1,307,534,193	1,149,390,919	2,531,903,830
1946	10,818	4	357,276	565,986,105	1,297,009,099	1,125,991,848	2,497,971,521
1947	11,223	4	379,449	662,837,614	1,601,055,840	1,324,397,690	3,017,049,422
1948	11,107	4	383,835	756,078,652	1,954,111,943	1,533,798,259	3,598,870,345
1949	11,579	4	390,275	809,579,270	2,027,793,643	1,651,629,668	3,788,497,123
1950	11,670	4	390,163	851,334,700	2,225,476,250	1,798,320,105	4,142,473,290
1951	11,661	4	417,182	1,005,601,680	2,696,638,646	2,083,933,751	4,916,157,419
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 ²	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	4	564,392	975,038,060	2,310,347,858	1,930,043,913	4,339,797,784
1945	10,869	4	518,056	882,483,387	2,148,290,603	1,720,938,199	3,965,069,021
1946	11,424	4	498,120	845,216,547	2,001,900,592	1,659,284,622	3,754,523,701
1947	11,860	4	537,581	1,037,976,714	2,651,697,573	2,136,014,184	4,903,472,526
1948	12,118	4	551,556	1,210,438,044	3,118,084,345	2,486,007,774	5,742,269,854
1949	12,951	4	557,190	1,305,544,434	3,256,454,918	2,708,554,013	6,103,804,834
1950	12,809	4	566,513	1,412,999,146	3,598,821,495	3,068,141,837	6,822,953,981
1951	13,025	4	599,433	1,669,386,982	4,334,394,367	3,569,400,065	8,074,731,217

* Includes for the first time the fish processing industry.

TABLE 2. Summary Statistics of Manufactures, by Provinces, Significant Years, 1917-51 - Concluded

Province and Year	Estab- lish- ments	Capital	Em- ployees	Salaries and wages	Cost of materials	Net value of products ¹	Gross value of products
	No.	\$	No.	\$	\$	\$	\$
Manitoba:							
1917.....	732	82,566,858	18,939	16,513,423	69,715,149	42,280,801	111,995,950
1920.....	747	91,323,435	23,728	32,372,081	92,739,271	62,776,012	155,506,182
1929 ²	747	91,323,435	23,728	31,234,996	87,832,324	63,925,015	155,266,294
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	4	40,937	62,758,081	226,234,925	120,339,926	352,334,594
1945.....	1,302	4	38,367	59,814,109	216,114,576	117,775,126	339,821,283
1946.....	1,357	4	38,367	61,018,345	223,099,935	122,780,805	351,887,099
1947.....	1,413	4	39,378	68,972,653	236,936,343	139,373,521	383,130,281
1948.....	1,399	4	40,522	79,230,931	296,606,269	157,426,179	461,974,200
1949.....	1,520	4	41,956	86,088,380	299,101,498	167,335,495	474,681,912
1950.....	1,507	4	40,985	88,701,601	300,384,707	177,051,583	485,906,206
1951.....	1,512	4	41,459	100,170,966	349,203,612	192,848,667	551,346,046
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	4	12,361	17,703,103	131,215,017	40,833,333	175,349,234
1945.....	926	4	11,617	16,905,606	126,279,202	38,275,127	167,688,133
1946.....	955	4	11,957	17,956,317	126,595,761	38,459,630	168,356,619
1947.....	1,001	4	11,723	19,661,970	151,449,021	41,480,520	196,452,199
1948.....	926	4	10,950	21,038,911	172,423,275	45,053,786	221,363,603
1949.....	962	4	10,841	22,273,942	164,349,341	47,356,949	215,742,708
1950.....	887	4	10,596	23,010,469	164,557,306	49,494,641	218,079,955
1951.....	973	4	11,023	26,290,294	185,151,455	61,088,606	250,813,026
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	4	22,186	33,227,729	172,082,537	77,415,753	252,949,894
1945.....	1,157	4	21,486	32,760,326	166,198,136	78,547,626	248,287,504
1946.....	1,315	4	22,649	34,939,088	169,425,176	83,735,011	257,031,867
1947.....	1,382	4	23,941	41,246,171	202,324,036	89,289,825	296,054,129
1948.....	1,567	4	25,690	49,735,336	253,754,967	107,124,387	366,079,501
1949.....	1,685	4	26,425	55,115,554	251,364,059	114,681,296	371,995,120
1950.....	1,671	4	26,732	58,416,324	272,131,049	123,892,868	402,840,023
1951.....	2,118	4	29,105	69,135,587	309,430,618	141,649,574	458,281,384
British Columbia:							
1917 ³	1,133	171,375,087	37,943	35,426,675	87,637,833	71,673,094	159,310,927
1920 ³	1,306	174,110,438	34,360	49,135,005	125,405,084	104,851,641	230,256,725
1929 ³	1,569	311,806,456	48,153	57,764,968	141,145,838	113,082,137	260,418,645
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	4	96,062	178,639,118	303,560,016	337,137,197	655,844,689
1945.....	2,326	4	87,974	160,419,133	305,759,836	307,954,519	628,903,124
1946.....	2,731	4	75,484	137,506,645	335,708,533	293,352,652	644,527,898
1947.....	3,040	4	83,161	167,282,667	453,670,677	388,702,178	858,284,592
1948.....	3,525	4	86,599	193,954,224	549,275,003	417,600,758	985,516,621
1949.....	3,493	4	82,934	196,403,722	531,112,329	409,665,348	959,008,088
1950.....	3,696	4	87,375	216,656,977	634,177,837	479,606,261	1,133,016,956
1951.....	3,897	4	93,647	262,626,283	789,840,417	592,448,565	1,404,880,341
Yukon and N.W.T.:							
1939.....	5	538,847	55	97,766	138,500	92,054	242,968
1944.....	12	4	67	118,972	189,718	280,803	489,256
1945.....	12	4	64	126,940	153,466	517,685	704,663
1946.....	13	4	92	200,560	172,845	408,727	646,295
1947.....	14	4	145	313,281	690,533	525,030	1,344,109
1948.....	17	4	137	346,220	818,919	379,525	1,330,110
1949.....	18	4	148	359,068	643,807	604,896	1,377,453
1950.....	19	4	123	285,656	1,039,954	569,167	1,741,531
1951.....	18	4	152	405,690	1,097,991	758,986	2,018,909

1. See footnote 1, Table 1.

2. See footnote 2, Table 1.

3. Includes Yukon.

4. Not collected.

TABLE 3. Summary Statistics of Manufactures, by Industrial Groups, 1945-51

Industrial Group and Year	Estab- lish- ments	Employees	Salaries and wages	Cost of materials	Net value of products	Gross value of products
	No.	No.	\$	\$	\$	\$
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.....	8,686	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
1950.....	8,401	167,664	346,714,443	2,102,437,260	885,322,008	3,029,810,604
1951.....	8,388	172,493	392,859,435	2,419,206,798	985,240,884	3,450,030,515
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
1950.....	68	10,322	22,628,918	122,610,179	65,175,854	188,330,523
1951.....	62	9,826	24,438,218	119,590,053	59,033,325	179,177,093
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
1950.....	61	21,812	54,262,864	101,773,382	134,061,761	239,184,510
1951.....	67	23,054	64,357,696	146,951,650	161,184,980	311,678,489
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
1950.....	747	32,990	57,809,677	121,217,195	87,419,427	210,563,013
1951.....	711	31,578	59,668,764	135,114,110	84,885,048	221,882,794
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
1950.....	846	80,328	169,175,142	412,682,853	315,556,761	741,262,685
1951.....	892	81,710	185,030,489	495,304,102	337,936,447	846,477,303
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
1950.....	3,051	116,248	211,223,347	377,552,172	352,889,623	734,214,334
1951.....	3,083	115,733	222,364,947	405,347,118	370,672,177	780,012,025
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	124,306	214,741,924	428,913,571	401,401,795	839,045,068
1949.....	11,191	121,632	224,902,644	436,637,453	393,928,758	840,355,634
1950.....	11,301	126,169	246,325,125	510,565,003	463,853,510	985,859,493
1951.....	11,975	131,278	283,062,074	610,807,577	529,300,377	1,153,376,772
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
1950.....	528	77,519	225,197,438	541,260,626	638,111,352	1,251,144,125
1951.....	547	82,889	276,521,006	683,488,653	827,924,962	1,589,842,162
Printing, publishing and allied trades:						
1945.....	2,312	43,565	74,257,775	52,655,848	132,385,988	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
1950.....	3,869	63,125	154,369,637	135,510,227	274,098,833	413,011,915
1951.....	4,019	64,694	170,828,730	152,753,412	295,642,569	452,142,515

TABLE 3. Summary Statistics of Manufactures, by Industrial Groups, 1945-1951 — Concluded

Industrial Group and Year	Estab- lish- ments	Employees	Salaries and wages	Cost of materials	Net value of products	Gross value of products
	No.	No.	\$	\$	\$	\$
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
1950	2,390	164,528	438,244,749	652,332,192	817,060,278	1,524,384,478
1951	2,435	183,323	547,314,615	860,565,510	991,334,800	1,904,650,130
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
1950	601	104,176	290,436,378	674,833,465	552,171,399	1,239,579,727
1951	599	122,517	368,106,433	870,178,794	657,424,400	1,541,589,828
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	867,043,828
1950	536	44,680	119,535,596	606,691,788	311,539,390	960,751,814
1951	536	50,114	150,733,704	797,412,763	406,616,836	1,253,599,168
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
1950	382	60,262	155,334,065	260,306,027	315,136,176	580,578,386
1951	373	67,626	194,749,038	316,561,307	353,602,872	676,008,959
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
1950	1,045	29,603	72,380,410	91,168,605	168,377,747	286,541,363
1951	1,042	31,522	86,078,972	109,011,701	195,348,829	334,875,398
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
1950	76	15,177	44,425,368	442,418,483	144,488,664	616,126,299
1951	82	15,598	51,947,890	497,982,695	179,872,590	709,550,035
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	268,618,222	579,827,509
1949	1,037	41,328	100,690,662	280,008,945	288,171,551	587,998,215
1950	1,033	41,475	106,794,403	307,705,741	317,166,711	646,870,510
1951	1,037	45,664	131,310,151	366,957,695	384,026,141	776,489,391
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
1950	1,007	27,219	56,409,875	67,469,334	99,628,735	169,312,602
1951	1,173	28,756	66,908,755	87,292,415	120,899,546	210,804,555

1. Increase is due to the inclusion for the first time of establishments who publish periodicals without doing any printing.

The figures in Table 4 trace the tendencies in Canadian manufacturing industries as clearly as possible from 1917 to 1951. 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 1, 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 8,159,414 in 1948, an advance of about 392 p.c. in 31 years. In the same period, horse-power per wage-earner showed an interrupted trend from 3.06 to 10.82 in 1933 and 9.46 in 1939. With the large increase in the number of wage-earners on war production, and the more efficient utilization of the equipment

available, the horse-power per wage-earner 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. The significant feature is the increase in both the absolute figures of power employed and the averages per wage-earner 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 salaries and wages paid since 1929. Between 1949 and 1951 the value of purchased fuel and electricity increased by 23 per cent; for full details of fuel and electricity used by the manufacturing industries see Table 53.

TABLE 4. Significant Statistics of Manufactures for Certain Years, 1917-51

Item	1917	1920	1929 ¹	1933
Establishments No.	21,845	22,532	22,216	23,780
Totals, employees No.	606,523	598,893	666,531	468,658
Averages per establishment No.	27.8	26.6	30.0	19.7
Totals, salaries and wages \$	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
Employees on salaries No.	64,918	78,334	88,841	86,636
Averages, per establishment No.	3.0	3.5	4.0	3.6
Salaries \$	85,353,667	141,837,361	175,553,710	139,317,946
Averages, per salaried employee \$	1,315	1,811	1,976	1,608
Employees on wages No.	541,605	520,559	577,690	382,022
Averages, per establishment No.	24.8	23.1	26.0	16.1
Wages \$	412,448,177	575,656,515	601,737,507	296,929,878
Averages, per wage-earner \$	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 in 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 H.P.	1,658,475	2,068,875	3,855,648	4,135,008
Averages, per establishment H.P.	76	92	174	174
Averages, per wage-earner H.P.	3.06	3.97	6.67	10.82
	1939	1944	1949	1951
Establishments No.	24,805	28,483	35,792	37,021
Totals, employees No.	658,114	1,222,882	1,171,207	1,258,375
Averages, per establishment No.	26.5	42.9	32.7	34.0
Totals, salaries and wages \$	737,811,153	2,029,621,370	2,591,890,657	3,276,280,917
Averages, per establishment \$	29,744	71,257	72,415	88,498
Averages, per employee \$	1,121	1,660	2,213	2,604
Employees on salaries No.	124,772	192,558	221,551	247,787
Averages, per establishment No.	5.0	6.8	6.2	6.7
Salaries \$	217,839,334	418,065,594	628,427,937	816,714,604
Averages, per salaried employee \$	1,746	2,171	2,836	3,296
Employees on wages No.	533,342	1,030,324	949,656	1,010,588
Averages, per establishment No.	21.5	36.2	26.5	27.3
Wages \$	519,971,819	1,611,555,776	1,963,462,720	2,459,566,313
Averages, per wage-earner \$	975	1,564	2,068	2,434
Cost of materials \$	1,836,159,375	4,832,333,356	6,843,231,064	9,074,526,353
Averages, per establishment \$	74,024	169,657	191,194	245,118
Averages, per employee \$	2,790	3,952	5,843	7,211
Values added in manufactures ³ \$	1,531,051,901	4,015,776,010	5,330,566,434	6,940,946,783
Averages, per establishment ³ \$	61,724	140,989	148,932	187,487
Averages, per employee ³ \$	2,326	3,284	4,551	5,516
Gross value of products \$	3,474,783,528	9,073,692,519	12,479,593,300	16,392,187,132
Averages, per establishment \$	140,084	318,565	348,670	442,781
Averages, per employee \$	5,280	7,420	10,655	13,026
Power employed H.P.	5,045,287	6,468,439	2	2
Averages, per establishment H.P.	203	227	2	2
Averages, per wage-earner H.P.	9.46	6.28	2	2

1. 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. There was, therefore, a proportionate reduction in the averages for 1925-30 per employee and wage-earner, 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 later years are therefore comparable with those for 1924 and earlier years.

2. Not collected since 1949.

3. Net values of products; see footnote 1, Table 1.

Consumption of Manufactured Products.— One of the beneficial results of adopting the same classification for external trade and for production is exhibited in Table 5, 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 1951 was \$16,677,805,705, 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, textiles and animal products were, in that order, the leading groups in the

value of finished products made available for consumption in 1951.

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.

TABLE 5. Consumption of Manufactured Products, 1928-51, and by Industrial Groups, 1951

Year	Value of products manufactured	Manufactured and partly manufactured goods ¹		Value of manufactured products available for consumption
		Value of net imports	Value of domestic exports	
	\$	\$	\$	\$
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
1930.....	3,280,236,603	675,828,233	490,108,470	3,465,956,366
1931.....	2,555,126,448	423,519,849	347,456,198	2,631,190,099
1932.....	1,980,471,543	281,855,757	267,765,614	1,994,561,686
1933.....	1,954,075,785	298,068,344	365,232,113	1,886,912,016
1934.....	2,393,692,729	357,320,284	419,094,297	2,331,918,716
1935.....	2,653,911,209	385,597,041	582,041,141	2,457,467,109
1936.....	3,002,403,814	468,455,981	676,890,803	2,793,968,992
1937.....	3,625,459,500	566,876,483	781,099,407	3,411,236,576
1938.....	3,337,681,366	472,193,253	587,758,795	3,222,115,824
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
Industrial Groups, 1951 ²				
Vegetable products.....	2,445,848,786	263,617,019	244,721,869	2,464,743,936
Animal products.....	1,846,134,158	70,126,024	101,562,405	1,814,697,777
Textiles and textile products.....	1,559,977,021	303,558,270	34,935,831	1,828,599,460
Wood and paper products.....	3,209,391,543	128,972,748	1,316,442,025	2,021,922,266
Iron and its products.....	3,432,209,864	1,291,364,316	323,702,566	4,399,871,614
Non-ferrous metal products.....	1,929,608,127	244,526,262	457,569,880	1,716,564,509
Non-metallic mineral products.....	1,044,425,433	251,828,723	85,510,539	1,210,743,617
Chemicals and allied products.....	716,287,268	189,719,193	131,689,729	774,316,732
Miscellaneous industries.....	208,304,932	290,997,274	52,956,412	446,345,794
Totals, 1951.....	16,392,187,132	3,034,709,829	2,749,091,256	16,677,805,705

1. Figures for the years 1928-38 are for the fiscal years ended Mar. 31 of the following years; for 1939-51 they are for the calendar year. Net imports are total imports less foreign products re-exported.

2. 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
1951	240.2	242.4

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 reclassified 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 6 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 6 which stood at 87.9 with the new index for 1935 at 86.5 given in Table 7, it would appear that for the back years little significant variation existed between the two series. The indexes in Table 6 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 6. 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	81.8	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, 1935-1951. 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, and some major appliances, are experiencing difficulties. However, overall prospects appear bright for the near future. The increased productive activity which will result from the present very high level of capital investment is not as yet fully reflected in current production statistics. Huge expansion and development programmes are well under way in iron ore, aluminum and other metals, oil, steel, chemicals, motor vehicles, electric power, and in a number of other industries. In addition, federal government expenditures for national defence should exert a growing 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 1951, the index of the volume of manufacturing production had practically equalled the record wartime level of 242.3 established in 1944.

TABLE 7 Indexes of the Total Volume of Manufacturing Production, Classified on the Basis of Durable and Non-Durable Goods, 1935-1951

(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

Non-durable Manufactures

The trend of output in the non-durable sector of manufacturing was visibly smoother than in the durable sector. Except in two years, 1938 and 1945, 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 1951 the non-durables index of output had reached 214, 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 "net" aggregates for these industries are consequently extremely sensitive to even minor changes in the composition of production or in the amount of processing applied to the raw materials. The advance in the production of **beverages** was practically uninterrupted from 1935 to the present. In 1951, the volume of output was nearly 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 320 and 318 in 1951. **Wine** production, after reaching a peak in 1947, dropped 36 per cent in the following three years. Some recovery was recorded in 1951 when the index rose to within 29 per cent of the 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 1951 advanced sharply to an index level of 260.

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.

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.

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 industry has shown the smallest growth of any in the manufacturing sector. In 1951, volume of output was only 17 per cent greater than in the base period. Production of leather tanneries was actually 15 per cent greater than in 1935-39, but output of boots and shoes and other leather products declined to a lesser extent. Since 1946, the overall index dropped 30 per cent.

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 textile products in the latter half of 1951 resulted in a moderate decline in the index for that year. The movements of individual industries within the group have 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. Contributing to the higher level of net output during the period 1940-1943 in this industry was the comparatively sharp increase in production of piece-dyed and printed and painted fabrics which require considerably more processing than ordinary grey fabrics. When output of these two types of cloth declined to more normal levels, the gap between the gross and net indexes gradually narrowed.

Since 1938, the production index for **synthetic textiles** showed an unbroken record of increases and in 1951 stood at 393. 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 1947. It recovered in 1948 and 1949, but has been dropping moderately since then and was at a post-war low of 150 in 1951. 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 \$11.9 million for 1950, and \$13.2 million in 1951.

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. 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 more than 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 and the volume of output rose about 60 per cent. Investment in new plant and equipment, which averaged \$79 million during the previous five years, reached a record total of \$125 million in 1951.

In recent years, a greater proportion of pulp retained for consumption in Canada has been used for the manufacture of fine papers. The increase in newsprint production in later years has not kept pace with the more processed varieties of paper. In the base period, for example, newsprint accounted for 71 per cent of the total volume of output in the industry, whereas in 1947 it contributed only 61 per cent. This was a factor in the increasing ratio of net output to gross output in the post-war period; in 1947 the net index was 190 and the gross 178, nearly 7 per cent lower. Another contributing cause was the declining consumption of purchased power per unit of output. In 1947, the index of the volume of purchased fuel and electricity consumed was only 168. This appears to be evidence of the greater utilization of capacity and technological progress. A counter-

acting influence was the gain in pulp made for export, which resulted in a drop in proportion of the quantity available for further processing in Canada.

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, however, after the end of hostilities and in 1951, volume of output was nearly 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 \$24 million in 1951 as compared with only about \$2 million in 1944 and 1945.

With few interruptions, output of **petroleum and coal** products rose steadily over the period under review to an index of 275 in 1951. 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 1951, the production index stood at 321 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 averaged more than \$37 million a year. Some of this rapid growth is associated with the remarkable progress made in the exploitation of western crude oil reserves. In 1951, oil from domestic wells represented 38 per cent of the total consumed by Canadian refineries. This compared with a contribution of 27 per cent in 1950 and 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 in 1950 and 1951 with the advent of the defence programme. 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. Production declined somewhat in 1947 and 1948 when imports of natural rubber were resumed, but recovered strongly to record levels in 1950 and 1951 as the defence programme gathered momentum and as the rubber requirements of the motor vehicles industry rose to a new maximum. During 1951, synthetic rubber accounted for 37 per cent of total new rubber consumed in Canada. This commodity is classified to the "Miscellaneous Chemicals" industry.

TABLE 8. Indexes of the Volume of Manufacturing Production of the Groups Comprised within the Non-Durable Manufactures Classification, 1935-1951

(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	101.6	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	106.6	108.7	108.2	108.0	105.4	102.2	109.4	111.3
1940	119.4	131.0	126.6	116.5	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	146.6	161.2	125.8	167.5	292.8
1946	177.2	234.4	204.4	158.0	167.9	161.7	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

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 almost half the lost ground, and reached 286 in 1951.

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 postwar 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 315 in 1951.

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 requirements. 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 1951, compared with pre-war, pig-iron output had more than tripled and steel ingot and casting production had risen by more than

165 per cent. A considerable volume of additional capacity is now under construction and 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 a total of \$44 million in 1950, new investment jumped to \$97 million in 1951.

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 1951 the index had jumped 60 per cent from its 1946 post-war low, to a level of 392.

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. Aluminum 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.

TABLE 9. Indexes of the Volume of Manufacturing Production of the Groups Comprised within the Durable Manufactures Classification, 1935-1951

(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	Miscellaneous manufactures
1935	85.3	80.5	90.0	78.5	83.8	75.7	88.1
1936	95.8	93.0	93.5	91.5	91.2	91.7	96.1
1937	108.0	118.1	114.3	106.5	118.7	117.4	104.1
1938	102.2	100.7	101.0	109.3	102.4	105.5	103.5
1939	108.8	107.7	101.3	114.3	103.8	109.8	108.2
1940	132.1	162.3	165.1	138.0	152.9	138.4	119.4
1941	150.2	238.0	291.8	193.5	225.8	184.9	170.7
1942	156.0	315.9	439.9	255.3	273.5	209.8	248.2
1943	148.4	362.4	562.8	284.9	310.5	211.6	314.6
1944	153.4	326.2	693.7	256.2	312.1	205.3	317.1
1945	155.6	265.2	453.7	193.4	258.1	195.8	275.9
1946	175.0	222.6	221.5	160.1	247.3	221.4	225.0
1947	195.6	249.9	239.5	182.8	316.8	269.8	233.4
1948	200.7	270.4	232.6	201.6	328.5	283.7	224.5
1949	202.3	264.5	243.9	200.5	333.8	284.4	261.6
1950	215.1	263.2	262.2	212.8	367.6	314.6	281.7
1951	220.6	292.2	315.0	234.7	392.3	342.1	283.2

Section 3. Production by Industrial Groups and Individual Industries

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

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 prewar 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 342 in 1951.

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 1951 the index stood at 221, the highest on record. 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, however, output rose sharply, spurred by strong foreign and domestic demand for sawn lumber and by 1951, the index had advanced to 168. 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. The volume index reached a maximum of 234 in 1951.

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.

Subsection 1. Manufactures Grouped on the Standard Classification Basis

Recent Changes in Manufacturing Production.— Table 10 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. Fur-

thermore, during periods of curtailed production there is a tendency for wage-earners to be put on part time, while the number of salaried employees responds less quickly to reduction in output than that of wage-earners. Therefore, there are several reasons why the variation in number of employees should be less than that of money values. The figures of Table 10 are to be compared with those of Tables 7, 8 and 9

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., food 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 1951, for manufacturing as a whole, there was an increase of 31.4 p.c. in gross value of production, 26.4 p.c. in salaries and wages and 7.4 p.c. in employment. In terms of gross value of production of specific industry groups the largest gain of 74.6 p.c. was made by rubber products, followed by paper products with 45.4 p.c., transportation equipment 45 p.c. and non-ferrous metal products 44.5 p.c. Substantial gains were also recorded by electrical apparatus, wood and non-metallic mineral products. The smallest gain in gross value was reported by tobacco products, leather products and clothing, with gains of 3.9, 5.3 and 7.2 p.c. respectively.

TABLE 10. Percentage Variations in Employment, Salaries and Wages, and Gross Value of Products in the Main Industrial Groups, Compared for Significant Years, 1945-51

Industrial Group	1949 compared with 1945			1951 compared with 1949		
	Employees	Salaries and wages	Gross value of products	Employees	Salaries and wages	Gross value of products
	1	2	3	4	5	6
Food and beverages ¹	+ 8.1	+ 48.5	+ 49.5	+ 1.5	+ 18.1	+ 19.7
Tobacco and tobacco products.....	- 12.2	+ 39.1	+ 42.3	- 8.0	+ 11.6	+ 3.9
Rubber products.....	- 11.8	+ 23.2	- 1.6	+ 11.2	+ 33.6	+ 74.6
Leather products.....	+ 2.3	+ 38.0	+ 25.6	- 9.5	-	+ 5.3
Textile products (except clothing).....	+ 18.9	+ 78.6	+ 65.1	+ 5.1	+ 18.5	+ 32.9
Clothing (textile and fur).....	+ 17.8	+ 57.1	+ 52.6	- 1.7	+ 7.7	+ 7.2
Wood products ¹	+ 28.9	+ 86.7	+ 83.9	+ 7.9	+ 25.9	+ 37.2
Paper products ¹	+ 20.7	+ 80.5	+ 95.1	+ 8.4	+ 32.7	+ 45.4
Printing, publishing and allied trades ²	+ 31.2	+ 81.2	+ 84.1	+ 4.6	+ 20.7	+ 19.6
Iron and steel products.....	- 3.4	+ 31.6	+ 49.0	+ 12.0	+ 32.4	+ 34.2
Transportation equipment.....	- 32.4	- 17.1	+ 2.8	+ 17.0	+ 35.9	+ 45.0
Non-ferrous metal products.....	+ 1.1	+ 39.9	+ 58.0	+ 12.1	+ 31.5	+ 44.5
Electrical apparatus and supplies.....	+ 26.7	+ 79.5	+ 110.9	+ 20.9	+ 41.9	+ 39.0
Non-metallic mineral products.....	+ 38.8	+ 96.0	+ 88.6	+ 12.0	+ 33.3	+ 35.9
Products of petroleum and coal.....	+ 26.2	+ 73.7	+ 97.6	+ 7.2	+ 30.6	+ 32.9
Chemical Products.....	- 32.6	- 6.0	+ 17.8	+ 10.5	+ 30.4	+ 32.2
Miscellaneous industries ⁴	-	-	-	+ 8.9	+ 30.8	+ 34.8
Averages, all industries³.....	+ 3.6	+ 39.2	+ 50.0	+ 7.4	+ 26.4	+ 31.4

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

2. Exclusive of "Publishing (only) of Periodicals".

3. Exclusive of "Publishing (only) of Periodicals", excludes Newfoundland in columns 1, 2 and 3, includes Newfoundland in Columns 4, 5 and 6.

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

Detailed Statistics by Groups and Individual Industries.—

Table 11 presents for the year 1951 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.

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.

The incidence of the War resulted in a rearrangement in the rank of many industries. Industries producing supplies and equipment for the Armed Forces naturally advanced while those industries producing for the domestic consumer market declined in importance. To supply the raw materials needed by the industries engaged principally in war production, it became necessary to restrict or prohibit the manufacture of many products such as automobiles, radios, washing machines, electrical equipment, household appliances, agricultural implements, etc. Though these industries were forced to change over to wartime production, the changes did not affect the value of their output and consequently their importance as producers of manufactured goods did not alter drastically. To analyse the effects of the War and the conversion to peace-time production on any industry, it is necessary to compare the nature of the products made before and during the War with that of the present. This should be borne in mind in making industrial comparisons of the war years and the present. For example, the number of employees engaged in the agricultural implements industry increased by 8,248 between 1939 and 1945; this in spite of the fact that the output of agricultural implements remained at about the same level. The increase was due to a change-over of some of the plants to war production. It is therefore impossible to trace industrial trends from the principal statistics alone, as published in this report.

TABLE 11. Establishments, Employees, Salaries and Wages, Fuel and Electricity, Materials and Values of Products of the Manufacturing Industries, 1951

No.	Province, industry and group	Establishments	Employees on salary			Employees on wages		
			Male	Female	Salaries	Male	Female	Wages
		No.	No.	No.	\$	No.	No.	\$
PROVINCE								
1	Newfoundland.....	822	1,697	298	4,757,011	6,488	1,139	17,924,235
2	Prince Edward Island.....	237	362	92	778,604	906	375	1,680,949
3	Nova Scotia.....	1,474	3,662	1,004	11,664,070	22,446	3,400	52,311,684
4	New Brunswick.....	1,084	2,709	880	9,893,725	17,296	3,620	43,653,157
5	Quebec.....	11,861	57,222	21,843	256,228,103	245,869	92,248	749,373,577
6	Ontario.....	13,025	85,433	38,404	432,056,989	378,862	96,734	1,237,329,993
7	Manitoba.....	1,512	5,709	2,072	23,729,367	25,992	7,686	76,441,599
8	Saskatchewan.....	973	2,183	813	7,322,831	7,050	977	18,967,463
9	Alberta.....	2,118	5,001	1,457	16,521,056	19,556	3,091	52,614,531
10	British Columbia.....	3,897	12,939	3,971	53,668,749	67,826	8,911	208,957,534
11	Yukon and Northwest Territories.....	18	26	10	94,099	103	13	311,591
12	Totals¹	37,021	176,943	70,844	816,714,604	792,394	218,194	2,459,566,313
INDUSTRIAL GROUP								
13	Foods and beverages ¹	8,388	24,423	9,803	100,673,433	103,254	35,013	292,186,002
14	Tobacco and tobacco products.....	62	943	533	5,408,847	3,317	5,033	19,029,371
15	Rubber products.....	67	3,762	1,524	17,767,922	13,585	4,183	46,589,774
16	Leather products.....	711	2,917	1,188	13,398,095	16,077	11,396	46,270,669
17	Textile products (except clothing).....	892	7,360	3,748	40,597,090	44,402	26,200	144,433,399
18	Clothing (textile and fur).....	3,083	9,759	6,066	53,405,045	30,972	68,936	168,959,902
19	Wood products.....	11,975	20,208	3,030	52,278,571	102,972	5,068	230,783,503
20	Paper products.....	547	10,213	3,902	61,238,472	60,115	8,659	215,282,534
21	Printing, publishing and allied industries.....	4,019	15,005	9,269	66,737,821	31,469	8,951	104,090,909
22	Iron and steel products.....	2,435	25,691	9,106	126,490,198	140,730	7,796	420,824,417
23	Transportation equipment.....	599	14,913	4,562	72,702,273	99,461	3,581	295,404,160
24	Non-ferrous metal products.....	536	7,186	2,684	35,379,886	36,923	3,321	115,353,818
25	Electrical apparatus and supplies.....	373	12,401	5,164	60,924,133	36,435	13,626	133,824,905
26	Non-metallic mineral products.....	1,042	3,904	1,390	17,453,958	24,176	2,052	68,625,014
27	Products of petroleum and coal.....	82	3,820	1,234	18,506,609	10,473	71	33,441,281
28	Chemicals and allied products.....	1,037	10,282	5,395	52,970,452	24,477	5,510	78,339,699
29	Miscellaneous manufacturing industries.....	1,173	4,156	2,246	20,781,799	13,556	8,798	46,126,956
1. Foods and beverages								
Bakery products:								
30	Biscuits.....	46	404	308	2,185,105	2,298	3,166	9,735,568
31	Bread and other bakery products.....	2,607	3,656	1,209	11,920,659	20,773	6,614	55,195,260
Beverages:								
32	Breweries.....	63	1,442	399	8,056,046	6,504	104	19,433,263
33	Carbonated beverages.....	510	1,539	464	5,858,841	5,072	314	10,190,037
34	Distilled liquors.....	20	703	287	3,971,213	2,278	1,375	8,966,950
35	Wines.....	26	119	48	746,157	329	60	931,759
Canning and processing:								
36	Fish processing.....	633	1,427	374	4,529,006	9,271	3,839	20,215,183
37	Fruit and vegetable preparations.....	459	1,675	902	7,933,709	7,270	6,554	22,173,867
Dairy products:								
38	Butter and cheese.....	1,690	3,746	1,630	11,665,107	14,542	982	35,116,443
39	Cheese, process.....	24	168	60	754,057	418	351	1,579,344
40	Condensed milk products.....	31	189	86	814,481	1,142	78	2,938,026
41	Dairy products, other.....	44	126	64	520,720	454	145	1,193,909
Grain mill products:								
42	Feeds, stock and poultry, prepared.....	648	1,228	434	3,988,703	3,726	117	8,191,154
43	Feed mills.....	663	649	72	959,650	769	4	1,173,273
44	Flour mills.....	108	844	441	4,170,746	3,449	130	9,425,851
45	Foods, breakfast.....	20	124	90	717,756	651	389	2,868,917
Meat products:								
46	Animal oils and fats.....	14	47	13	268,227	283	—	755,762
47	Sausage and sausage casings.....	77	182	51	713,783	536	244	1,527,305
48	Slaughtering and meat packing.....	155	3,502	1,208	16,824,332	13,363	2,841	45,284,543
Other food industries:								
49	Confectionery.....	195	630	543	3,432,626	3,285	4,363	13,434,722
50	Macaroni and kindred products.....	15	56	32	253,092	315	168	1,006,218
51	Sugar refining.....	12	435	131	2,339,926	2,747	249	7,933,013
Miscellaneous food preparations:								
52	Malt and malt products.....	13	1,532	957	8,049,491	3,779	2,926	12,915,635
53	Starch and glucose.....	9						
54	Miscellaneous foods, n.e.s.....	306						
55	Totals, foods and beverages	8,388	24,423	9,803	100,673,433	103,254	35,013	292,186,002
2. Tobacco and tobacco products:								
56	Tobacco, cigars and cigarettes.....	48	742	507	4,497,116	2,529	4,203	16,464,041
57	Tobacco processing and packing.....	14	201	26	911,731	788	830	2,565,330
58	Totals, tobacco and tobacco products	62	943	533	5,408,847	3,317	5,033	19,029,371
3. Rubber products:								
59	Rubber goods, including footwear.....	67	3,762	1,524	17,767,922	13,585	4,183	46,589,774
60	Totals, rubber products	67	3,762	1,524	17,767,922	13,585	4,183	46,589,774

1. Includes fish processing in Newfoundland.

TABLE 11. Establishments, Employees, Salaries and Wages, Fuel and Electricity, Materials and Values of Products of the Manufacturing Industries, 1951

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost of materials	Net value of products	Gross value of products	No.
No.	\$	\$	\$	\$	\$	
9,622	22,681,246	3,835,127	43,117,299	53,690,187	100,642,613	1
1,735	2,459,553	298,894	17,177,748	5,046,797	22,523,439	2
30,512	63,975,754	12,017,268	172,115,336	119,486,630	303,619,234	3
24,505	53,546,882	10,219,685	176,358,864	120,594,955	307,173,504	4
417,182	1,005,601,680	135,585,022	2,696,638,646	2,083,933,751	4,916,757,419	5
599,433	1,669,386,982	170,936,785	4,334,394,367	3,569,400,065	8,074,731,217	6
41,459	100,170,966	9,293,767	349,203,612	192,848,667	551,346,046	7
11,023	26,290,294	4,572,965	185,151,455	61,088,606	250,813,026	8
29,105	69,135,587	7,201,192	309,430,618	141,649,574	458,281,384	9
93,647	262,626,283	22,591,359	789,840,417	592,448,565	1,404,880,341	10
152	405,690	161,932	1,097,991	758,986	2,018,909	11
1,258,375	3,276,280,917	376,713,996	9,074,526,353	6,940,946,783	16,392,187,132	12
172,493	392,859,435	45,582,833	2,419,206,798	985,240,884	3,450,030,515	13
9,826	24,438,218	553,715	119,590,053	59,033,325	179,177,093	14
23,054	64,357,696	3,541,859	146,951,650	161,184,980	311,678,489	15
31,578	59,668,764	1,883,636	135,114,110	84,885,048	221,882,794	16
81,710	185,030,489	13,236,754	495,304,102	337,936,447	846,477,303	17
115,733	222,364,947	3,992,730	405,347,118	370,672,177	780,012,025	18
131,278	283,062,074	13,268,818	610,807,577	529,300,377	1,153,376,772	19
82,889	276,521,006	78,428,547	683,488,653	827,924,962	1,589,842,162	20
64,694	170,828,730	3,746,534	152,753,412	295,642,569	452,142,515	21
183,323	547,314,615	52,749,820	860,565,510	991,334,800	1,904,650,130	22
122,517	368,106,433	13,986,634	870,178,794	657,424,400	1,541,589,828	23
50,114	150,733,704	49,569,569	797,412,763	406,616,836	1,253,599,168	24
67,626	194,749,038	5,844,780	316,561,307	353,602,872	676,008,959	25
31,522	86,078,972	30,514,868	109,011,701	195,348,829	334,875,398	26
15,598	51,947,890	31,694,750	497,982,695	179,872,590	709,550,035	27
45,664	131,310,151	25,505,555	366,957,695	384,026,141	776,489,391	28
28,756	66,908,755	2,612,594	87,292,415	120,899,546	210,804,555	29
6,176	11,920,673	827,345	34,863,609	36,208,624	71,899,578	30
32,252	67,115,919	7,559,249	121,376,693	116,352,428	245,288,370	31
8,449	27,489,309	2,511,866	45,905,901	112,741,266	161,159,033	32
7,389	16,048,878	2,186,126	33,195,192	55,132,309	90,513,627	33
4,643	12,938,163	2,204,991	43,393,190	68,097,335	113,695,516	34
556	1,677,916	126,739	4,356,877	5,614,554	10,098,170	35
14,911	24,744,189	2,724,087	101,621,086	58,665,035	163,010,208	36
16,401	30,107,576	2,726,635	116,052,675	81,999,840	200,779,150	37
20,900	46,781,550	6,726,623	284,602,975	82,416,262	373,745,860	38
997	2,333,401	115,101	21,111,152	5,122,815	26,349,068	39
1,495	3,752,507	1,384,378	53,113,387	12,554,063	67,051,828	40
789	1,714,629	265,582	5,855,335	4,262,026	10,382,943	41
5,505	12,179,857	1,939,212	144,617,180	27,953,403	174,509,795	42
1,494	2,132,923	589,816	19,759,811	4,110,636	24,460,263	43
4,864	13,596,597	1,656,382	242,132,072	37,078,324	280,866,778	44
1,254	3,586,673	337,494	11,179,392	12,179,023	23,695,909	45
343	1,023,989	239,583	2,644,751	1,684,344	4,568,678	46
1,013	2,241,088	227,280	13,098,706	4,714,222	18,040,208	47
20,914	62,108,875	4,235,250	767,366,797	120,488,594	892,090,641	48
8,821	16,867,348	1,114,168	48,795,224	40,311,474	90,220,866	49
571	1,259,310	123,986	4,438,767	3,501,282	8,064,035	50
3,562	10,272,939	2,840,533	107,540,497	28,728,247	139,109,277	51
9,194	20,965,126	2,920,407	192,185,529	65,324,778	260,430,714	52
172,493	392,859,435	45,582,833	2,419,206,798	985,240,884	3,450,030,515	53
7,981	20,961,157	357,933	62,886,259	53,244,619	116,488,811	54
1,845	3,477,061	195,782	56,703,794	5,788,706	62,688,282	55
9,826	24,438,218	553,715	119,590,053	59,033,325	179,177,093	56
23,054	64,357,696	3,541,859	146,951,650	161,184,980	311,678,489	57
23,054	64,357,696	3,541,859	146,951,650	161,184,980	311,678,489	58

TABLE 11. Establishments, Employees, Salaries and Wages, Fuel and Electricity, Materials and Values of Products of the Manufacturing Industries, 1951 - Continued

No.	Province, industry and group	Establishments	Employees on salary			Employees on wages		
			Male	Female	Salaries	Male	Female	Wages
			No.	No.	No.	\$	No.	No.
4. Leather products:								
1	Footwear, leather	290	1,676	710	7,590,611	9,750	7,863	28,256,825
2	Gloves and mittens, leather	75	178	82	774,381	754	1,289	2,722,089
3	Leather tanning.....	67	431	146	2,213,776	3,173	311	8,104,830
Other leather industries:								
4	Belting, leather	15	30	21	163,781	117	14	275,960
5	Boot and shoes findings, leather	25	71	26	359,872	307	109	860,796
6	Miscellaneous leather goods, n.e.s.	239	531	203	2,295,674	1,976	1,810	6,050,169
7	Totals, leather products	711	2,917	1,188	13,398,095	16,077	11,396	46,270,669
5. Textile products (except clothing):								
Cotton goods:								
8	Cotton thread.....	8	111	62	658,697	178	513	1,233,883
9	Cotton yarn and cloth.....	54	1,327	916	8,265,512	16,376	9,013	50,469,321
10	Miscellaneous cotton goods	13	56	14	408,931	513	112	1,513,261
Woollen goods:								
11	Carpets, mats and rugs	22	180	82	1,040,532	752	441	2,658,083
12	Woollen cloth.....	88	684	343	3,983,845	4,852	3,528	16,789,340
13	Woollen yarn	53	272	172	1,457,107	1,674	1,727	6,637,393
14	Miscellaneous woollen goods	45	220	99	1,521,314	1,585	443	4,528,728
15	Synthetic textiles and silk	46	2,300	978	11,692,668	10,651	4,068	33,001,070
Other primary textiles:								
16	Dyeing and finishing of textiles	52	293	136	1,494,535	1,832	201	4,502,501
17	Narrow fabrics.....	46	197	106	1,065,374	890	1,009	3,688,476
Other textile industries:								
18	Automobile accessories, fabric	9	96	48	567,270	262	288	1,170,613
19	Awnings, tents and sails	115	281	96	925,495	566	604	1,860,175
20	Bags, cotton and jute.....	33	143	67	750,272	347	755	1,733,488
21	Cordage, rope and twine	11	135	60	824,543	1,030	549	3,751,757
22	Embroideries, pleating, hemstitching, etc.....	131	204	78	953,780	508	874	2,101,153
23	Oilcloth, linoleum and other coated fabrics.....	15	396	171	2,492,072	1,582	230	4,639,339
24	Miscellaneous textiles, n.e.s.....	151	465	320	2,495,143	804	1,845	4,154,818
25	Totals, textile products (except clothing)	892	7,360	3,748	40,597,090	44,402	26,200	144,433,399
6. Clothing (textile and fur)								
Men's, women's and children's clothing:								
26	Clothing, children's, factory	156	369	269	2,119,697	968	4,049	7,053,403
27	Clothing, men's, factory	577	2,665	1,500	14,751,945	8,831	19,736	47,564,221
28	Clothing, women's, factory	912	2,580	1,689	14,847,672	6,202	18,217	41,916,610
29	Clothing contractors, men's.....	143	229	48	703,153	1,027	2,332	5,027,762
30	Clothing contractors, women's.....	82	118	31	452,481	205	1,501	2,247,918
Knitted goods:								
31	Hosiery.....	124	724	573	4,576,800	4,073	5,941	18,922,618
32	Other knitted goods	171	831	713	5,118,497	3,635	8,698	20,382,297
Miscellaneous clothing:								
33	Corsets	37	207	422	1,719,532	291	2,226	3,196,545
34	Fur dressing and dyeing	20	100	37	600,593	940	228	2,538,783
35	Fur goods.....	612	1,203	349	4,755,383	2,625	1,907	9,657,070
36	Gloves and mittens, fabric	15	37	34	238,766	116	584	823,645
37	Hats and caps	159	504	282	2,550,749	1,625	2,424	7,245,998
38	Oiled and waterproofed clothing	14	35	22	206,741	160	262	789,579
39	Clothing, n.e.s.....	61	157	97	763,036	274	831	1,593,453
40	Totals, clothing (textile and fur)	3,083	9,759	6,066	53,405,045	30,972	68,936	168,969,902
7. Wood products								
41	Furniture.....	1,430	3,477	1,086	14,195,631	20,854	1,857	47,233,644
Saw and planing mills:								
42	Flooring, hardwood	29	178	60	918,040	1,506	24	3,115,506
43	Sash, door and planing mills	1,698	3,058	627	9,621,964	15,502	170	30,838,716
44	Sawmills	7,934	11,395	705	19,507,788	49,825	490	112,550,819
45	Veneers and plywoods	47	448	149	2,410,918	5,445	1,121	15,766,057
Other wood industries:								
46	Beekeepers' and poultrymen's supplies.....	6	11	4	33,436	35	3	55,997
47	Boxes and baskets, wood	169	354	67	1,267,357	3,030	391	6,121,331
48	Coffins and caskets	57	147	57	600,288	932	164	2,101,470
49	Cooperage.....	136	172	23	358,342	689	7	1,461,501
50	Excelsior	13	20	6	69,734	112	27	231,416
51	Lasts, trees, and shoe findings	14	56	27	225,949	282	146	755,829
52	Woodenware	32	59	16	195,601	467	161	1,038,305
53	Wood turning	76	168	37	557,979	995	133	1,945,960
54	Miscellaneous wood products n.e.s.	334	665	166	2,315,544	3,298	374	7,566,952
55	Totals, wood products	11,975	20,208	3,030	52,278,571	102,972	5,068	230,783,503

TABLE 11. Establishments, Employees, Salaries and Wages, Fuel and Electricity, Materials and Values of Products of the Manufacturing Industries, 1951 - Continued

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost of materials	Net value of products	Gross value of products	No.
No.	\$	\$	\$	\$	\$	
19,999	35,847,436	556,872	67,338,736	52,010,174	119,905,782	1
2,303	3,496,470	59,112	7,285,990	5,498,420	12,843,522	2
4,061	10,318,606	1,037,009	44,385,680	12,457,291	57,879,980	3
182	439,741	25,370	1,418,185	775,514	2,219,069	4
513	1,220,668	56,875	2,909,390	1,673,004	4,639,269	5
4,520	8,345,843	148,398	11,776,129	12,470,645	24,395,172	6
31,578	59,668,764	1,883,636	135,114,110	84,885,048	221,882,794	7
864	1,892,580	101,455	5,745,017	5,324,936	11,171,408	8
27,632	58,734,833	4,049,203	172,443,466	97,158,451	273,651,120	9
695	1,922,192	121,930	8,342,900	3,997,727	12,462,557	10
1,455	3,698,615	316,574	8,769,831	7,227,333	16,313,738	11
9,407	20,773,185	1,316,374	60,068,359	29,980,765	91,365,498	12
3,845	8,094,500	535,779	31,391,933	12,790,315	44,718,027	13
2,347	6,050,042	413,936	26,221,606	13,184,792	39,820,334	14
17,997	44,693,738	4,031,711	66,040,725	96,477,461	166,549,897	15
2,462	5,997,036	927,441	3,492,222	9,710,233	14,129,896	16
2,202	4,753,850	171,524	8,081,312	8,654,462	16,907,298	17
694	1,737,883	41,968	3,478,348	3,323,657	6,843,973	18
1,547	2,785,670	94,468	6,627,662	4,424,091	11,146,221	19
1,312	2,483,760	99,230	33,916,959	4,713,005	38,729,194	20
1,774	4,576,300	216,893	19,736,188	9,756,163	29,709,244	21
1,664	3,054,933	40,221	2,694,900	5,286,127	8,021,248	22
2,379	7,131,411	490,109	16,727,708	12,163,917	29,381,734	23
3,434	6,649,961	267,938	21,524,966	13,763,012	35,555,916	24
81,710	185,030,489	13,236,754	495,304,102	337,936,447	846,477,303	25
5,655	9,173,100	117,728	18,066,804	15,584,008	33,768,340	26
32,732	62,316,166	740,759	131,612,306	106,308,266	238,661,331	27
28,688	56,764,282	517,527	102,135,519	95,097,888	197,750,934	28
3,636	5,730,915	89,800	707,342	7,057,324	7,854,466	29
1,855	2,700,399	40,337	170,537	3,930,289	4,141,163	30
11,311	23,499,418	756,355	25,658,754	39,814,373	66,229,482	31
13,877	25,500,794	1,038,333	58,743,251	43,709,059	103,490,643	32
3,146	4,916,077	62,986	7,808,061	8,723,243	16,594,290	33
1,305	3,139,376	126,645	1,076,825	4,099,291	5,302,761	34
6,084	14,412,453	216,658	38,100,218	22,892,670	61,209,546	35
771	1,062,411	14,872	2,371,187	1,958,814	4,344,873	36
4,835	9,796,747	223,981	11,549,016	15,518,769	27,291,766	37
479	996,320	9,173	2,423,013	2,131,996	4,564,182	38
1,359	2,356,489	37,576	4,924,485	3,846,187	8,808,248	39
115,733	222,364,947	3,992,730	405,347,118	370,672,177	780,012,025	40
27,274	61,429,275	2,109,864	90,323,522	98,474,043	190,907,429	41
1,768	4,033,546	218,722	8,978,183	6,603,380	15,800,285	42
19,357	40,460,680	2,323,357	109,505,507	66,936,399	178,765,263	43
62,415	132,058,607	6,511,528	313,174,713	271,865,508	591,551,749	44
7,163	18,176,975	587,395	31,202,287	40,732,585	72,522,267	45
53	89,433	6,411	191,549	228,225	426,185	46
3,842	7,388,688	339,070	12,185,755	12,591,358	25,116,183	47
1,300	2,701,758	108,682	3,707,392	4,302,664	8,118,738	48
891	1,819,843	90,925	4,431,813	2,515,852	7,038,590	49
165	301,150	24,093	358,931	500,856	883,880	50
511	981,778	28,781	790,991	1,426,884	2,246,656	51
703	1,233,906	59,482	1,209,177	1,720,595	2,989,254	52
1,333	2,503,939	111,035	2,944,006	3,931,855	6,986,896	53
4,503	9,882,496	749,473	31,803,751	17,470,173	50,023,397	54
131,278	283,062,074	13,268,818	610,807,577	529,300,377	1,153,376,772	55

TABLE 11. Establishments, Employees, Salaries and Wages, Fuel and Electricity, Materials, and Values of Products of the Manufacturing Industries, 1951 - Continued

No.	Province, Industry and Group	Establishments	Employees on salary			Employees on wages		
			Male	Female	Salaries	Male	Female	Wages
			No.	No.	No.	\$	No.	No.
8. Paper products:								
1	Boxes and bags, paper	187	1,364	704	8,148,190	6,451	4,865	24,086,979
2	Pulp and paper	126	7,174	2,239	44,126,918	47,164	714	169,042,988
3	Roofing paper	26	532	245	2,129,150	1,463	93	4,084,679
4	Miscellaneous paper goods	208	1,143	714	6,834,214	5,037	2,987	18,067,888
5	Totals, paper products	547	10,213	3,902	61,238,472	60,115	8,659	215,282,534
9. Printing, publishing and allied industries:								
Commercial printing:								
6	Printing and bookbinding	1,623	3,795	1,729	17,150,131	12,466	5,223	40,068,214
7	Trade composition	46	123	47	636,865	573	22	1,683,853
Engraving, stereotyping and allied industries:								
8	Engraving, stereotyping and electrotyping	124	649	298	4,017,689	2,748	582	10,287,146
9	Lithographing	71	544	363	3,259,872	2,520	1,094	9,433,898
Printing and publishing:								
10	Printing and publishing	801	7,792	4,316	33,623,767	13,162	2,030	42,617,798
11	Publishing (only) of periodicals	1,354	2,102	2,516	8,049,497	—	—	—
12	Totals, printing, publishing and allied industries	4,019	15,005	9,269	66,737,821	31,469	8,951	104,090,909
10. Iron and steel products:								
13	Agricultural implements	81	2,482	716	10,727,332	13,871	167	41,490,098
14	Bollers, tanks and platework	64	1,486	460	7,033,629	5,464	80	17,235,069
15	Bridge building and structural steel	34	1,621	357	8,035,027	6,578	52	20,243,399
16	Castings, iron	205	1,549	591	8,371,382	14,977	345	43,757,031
17	Hardware, tools and cutlery	297	1,873	941	9,785,622	9,729	1,746	29,694,712
18	Heating and cooking apparatus	110	1,169	504	5,855,050	6,201	201	16,177,324
19	Machinery, household, office and store	67	1,252	569	5,901,175	6,892	1,187	20,214,932
20	Machinery, industrial	300	4,477	1,754	22,026,229	15,595	500	45,260,684
21	Machine shops	559	1,262	287	4,660,993	4,588	94	11,557,983
22	Machine tools	12	299	110	1,401,653	1,476	43	4,279,770
23	Primary iron and steel	57	3,128	978	16,744,000	28,884	403	91,817,802
24	Sheet metal products	277	2,498	957	12,778,709	12,211	1,771	36,258,643
25	Wire and wire goods	117	1,174	502	6,341,636	6,384	799	20,487,617
26	Miscellaneous iron and steel products	255	1,421	380	6,827,761	7,880	408	22,349,353
27	Totals, iron and steel products	2,435	25,691	9,106	126,490,198	140,730	7,796	420,824,417
11. Transportation equipment:								
28	Aircraft and parts	23	4,122	1,363	19,417,203	13,365	348	40,141,114
29	Bicycles and parts	7	140	64	699,234	745	105	2,217,707
30	Boat building	228	329	46	727,272	1,140	16	2,405,604
31	Carriages, wagons and sleighs	48	93	36	402,756	573	110	1,336,241
32	Motor vehicles	19	4,245	1,413	23,267,271	24,500	321	78,075,503
33	Motor vehicle parts	161	2,390	957	12,855,397	15,369	2,481	52,427,766
34	Railway rolling stock	37	2,154	300	9,228,292	30,842	114	84,800,542
35	Shipbuilding	76	1,440	383	6,104,848	12,927	86	33,999,683
36	Totals, transportation equipment	599	14,913	4,562	72,702,273	99,461	3,581	295,404,160
12. Non-ferrous metal products:								
37	Aluminum products	84	1,391	839	7,522,005	4,605	321	13,061,594
38	Brass and copper products	153	1,341	568	7,006,881	7,525	643	22,311,195
39	Jewellery and silverware	209	654	443	3,632,148	3,040	1,601	9,683,435
40	Non-ferrous metal smelting and refining	17	3,193	555	13,816,942	19,005	61	61,657,563
41	White metal alloys	51	460	172	2,601,252	2,194	550	6,911,090
42	Miscellaneous non-ferrous metal products	22	147	107	800,658	554	145	1,728,941
43	Totals, non-ferrous metal products	536	7,186	2,684	35,379,886	36,923	3,321	115,353,818
13. Electrical apparatus and supplies:								
44	Batteries	25	371	209	2,021,508	1,123	436	4,118,324
45	Radios and radio parts	70	2,225	919	11,876,204	3,758	3,229	16,391,885
46	Refrigerators, vacuum cleaners and appliances	87	1,333	635	6,831,891	5,540	1,295	17,220,223
47	Machinery, heavy electrical	50	4,697	1,773	21,481,397	14,886	3,940	54,117,515
48	Miscellaneous electrical apparatus and supplies	141	3,775	1,628	18,713,133	11,128	4,726	41,976,958
49	Totals, electrical apparatus and supplies	373	12,401	5,164	60,924,133	36,435	13,626	133,824,905

TABLE 11. Establishments, Employees, Salaries and Wages, Fuel and Electricity, Materials, and Values of Products of the Manufacturing Industries, 1951 - Continued

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost of materials	Net value of products	Gross value of products	No
No.	\$	\$	\$	\$	\$	
13,384	32,235,169	1,070,927	102,219,244	68,939,995	172,230,166	1
57,291	213,169,906	75,625,718	483,014,009	679,257,743	1,237,897,470	2
2,333	6,213,829	630,262	19,824,477	21,424,467	41,879,206	3
9,881	24,902,102	1,101,640	78,430,923	58,302,757	137,835,320	4
82,889	276,521,006	78,428,547	683,488,653	827,924,962	1,589,842,162	5
23,213	57,218,345	1,310,626	55,113,171	93,607,704	150,031,501	6
765	2,320,718	37,013	316,262	3,377,659	3,730,934	7
4,277	14,304,835	282,929	5,226,191	20,912,265	26,421,385	8
4,521	12,693,770	236,893	15,893,567	21,227,486	37,357,946	9
27,300	76,241,565	1,879,073	56,975,903	137,862,920	196,717,896	10
4,618	8,049,497	—	19,228,318	18,654,535	37,882,853	11
64,694	170,828,730	3,746,534	152,753,412	295,642,569	452,142,515	12
17,236	52,217,430	1,984,214	96,469,032	72,719,250	171,172,496	13
7,490	24,268,698	912,743	27,339,236	46,829,163	75,081,142	14
8,608	28,278,426	1,094,789	48,652,449	59,903,113	109,650,351	15
17,462	52,128,413	3,487,662	75,003,538	86,683,461	165,174,661	16
14,289	39,480,334	1,719,245	39,022,361	75,716,095	116,457,701	17
8,075	22,032,374	1,086,576	36,235,145	36,817,015	74,138,736	18
9,900	26,116,107	897,826	39,694,393	51,156,419	91,748,638	19
22,326	67,286,913	2,272,544	79,106,152	120,611,361	201,990,057	20
6,231	16,218,976	667,376	10,814,175	25,472,584	36,954,135	21
1,928	5,681,423	162,985	4,250,817	6,856,338	11,270,140	22
33,393	108,561,802	32,103,307	223,011,814	209,472,365	464,587,486	23
17,437	49,037,352	2,150,024	108,335,172	86,629,030	197,114,226	24
8,859	26,829,253	1,449,244	37,773,731	67,288,945	106,511,920	25
10,089	29,177,114	2,761,285	34,857,495	45,179,661	82,798,441	26
183,323	547,314,615	52,749,820	860,565,510	991,334,800	1,904,650,130	27
19,198	59,558,317	1,492,895	36,291,613	79,403,570	117,188,078	28
1,054	2,916,941	151,170	4,224,024	4,121,721	8,496,915	29
1,531	3,132,876	113,797	2,643,394	4,373,433	7,130,624	30
812	1,738,997	77,611	3,782,837	3,039,022	6,899,470	31
30,479	101,342,774	2,667,570	469,114,484	271,113,834	742,895,888	32
21,197	65,283,163	3,271,070	142,840,935	117,021,089	263,133,094	33
33,410	94,028,834	4,767,123	175,964,789	119,895,329	300,627,241	34
14,836	40,104,531	1,445,398	35,316,718	58,456,402	95,218,518	35
122,517	368,106,433	13,986,634	870,178,794	657,424,400	1,541,589,828	36
7,156	20,583,599	1,533,277	43,492,395	42,391,900	87,417,572	37
10,077	29,318,076	2,117,706	121,703,878	56,176,303	179,997,887	38
5,738	13,315,583	354,601	29,314,583	20,705,029	50,374,213	39
22,814	75,474,505	44,684,200	553,658,940	262,972,790	861,315,930	40
3,376	9,512,342	809,230	46,540,009	18,674,676	66,023,915	41
953	2,529,599	70,555	2,702,958	5,696,138	8,469,651	42
50,114	150,733,704	49,569,569	797,412,763	406,616,836	1,253,599,168	43
2,139	6,139,832	370,256	23,983,736	13,367,364	37,721,356	44
10,131	28,268,089	620,269	41,158,787	43,845,136	85,624,192	45
8,803	24,052,114	1,093,730	54,789,621	54,129,163	110,012,514	46
25,296	75,598,912	1,823,329	96,604,451	123,141,325	221,569,105	47
21,257	60,690,091	1,937,196	100,024,712	119,119,884	221,081,792	48
67,626	194,749,038	5,844,780	316,561,307	353,602,872	676,008,959	49

TABLE 11. Establishments, Employees, Salaries and Wages, Fuel and Electricity, Materials, and Values of Products of the Manufacturing Industries, 1951 - Concluded

No.	Province, Industry and Group	Establishments	Employees on salary			Employees on wages		
			Male	Female	Salaries	Male	Female	Wages
		No.	No.	No.	\$	No.	No.	\$
14. Non-metallic mineral products:								
1	Abrasives, artificial	19	324	186	1,811,231	2,361	118	7,864,051
2	Asbestos products	16	266	119	1,239,409	1,328	235	4,147,284
3	Cement	10	116	16	530,685	1,809	2	5,774,221
4	Cement products	427	843	163	2,971,321	4,124	39	9,477,829
5	Clay products from domestic clay	129	282	82	1,304,599	3,454	55	8,954,395
6	Clay products from imported clay	35	212	85	1,107,470	1,573	656	5,265,262
7	Glass and glass products	113	699	345	3,454,318	4,696	787	14,205,886
8	Gypsum products	10	203	83	1,016,178	828	24	2,288,117
9	Lime	44	84	18	369,811	1,014	1	2,773,311
10	Salt	12	175	54	564,131	470	49	1,266,203
11	Sand-lime brick	5	15	1	55,029	179	3	486,005
12	Stone products	161	442	155	1,891,319	1,663	10	4,306,851
13	Miscellaneous non-metallic mineral products	61	243	83	1,138,457	677	73	1,815,599
14	Totals, non-metallic mineral products	1,042	3,904	1,390	17,453,958	24,176	2,052	68,625,014
15. Products of petroleum and coal:								
15	Coke and gas products	30	975	329	4,092,460	3,674	9	10,776,804
16	Petroleum products	52	2,845	905	14,414,149	6,799	62	22,664,477
17	Totals, products of petroleum and coal	82	3,820	1,234	18,506,609	10,473	71	33,441,281
16. Chemicals and allied products:								
18	Acids, alkalies and salts	29	1,435	441	7,150,131	5,440	55	17,429,267
19	Fertilizers	39	678	188	3,232,824	2,328	24	7,077,245
20	Medicinal and pharmaceutical preparations	206	1,623	1,355	9,793,263	2,240	2,263	9,124,587
21	Paints, varnishes and lacquers	114	1,574	852	7,449,094	3,060	373	8,680,086
22	Primary plastics	16	452	157	2,293,335	989	50	3,109,518
23	Soaps, washing compounds and cleaning preparations	130	1,021	583	5,330,443	1,710	428	6,175,838
24	Toilet preparations	97	288	330	1,871,863	424	758	1,903,303
25	Vegetable oils	13	177	66	849,315	505	3	1,467,664
Other chemical industries:								
26	Adhesives	29	139	79	700,914	454	42	1,270,992
27	Coal tar distillation	11	78	19	362,681	368	3	1,080,095
28	Gasses, compressed	51	327	218	1,605,917	698	4	2,075,459
29	Inks	34	176	95	997,765	515	42	1,454,249
30	Polishes and dressings	49	217	154	1,015,550	255	174	837,240
31	Miscellaneous chemical products, n.e.s.	219	2,097	858	10,317,357	5,491	1,291	16,654,156
32	Totals, chemicals and allied products	1,037	10,282	5,395	52,970,452	24,477	5,510	78,339,699
17. Miscellaneous industries:								
33	Brooms, brushes and mops	94	325	206	1,630,716	1,205	577	3,154,709
34	Clocks, watches and watch cases	29	134	103	869,839	418	530	2,121,557
35	Fountain pens and pencils	20	159	135	969,921	330	498	1,699,297
36	Musical instruments	27	156	97	700,025	909	174	2,255,585
37	Plastics products	127	480	235	2,401,804	1,482	1,429	5,624,983
38	Scientific and professional equipment	100	869	446	4,585,012	1,860	999	7,450,595
39	Sporting goods	78	268	125	1,060,223	824	515	2,598,966
40	Toys and games	53	126	56	682,991	561	689	2,416,690
41	Typewriter supplies	7	57	44	457,753	190	106	565,602
Other miscellaneous industries:								
42	Artificial flowers and feathers	39	67	41	277,585	193	375	718,679
43	Buttons, buckles and fasteners	41	178	117	1,068,076	579	748	2,638,359
44	Candles	13	33	38	164,769	99	60	275,072
45	Hair goods	19	24	13	105,877	102	19	244,321
46	Ice, artificial	77	196	59	671,716	914	5	2,219,034
47	Lamps, electric, and lamp shades	55	124	96	646,523	468	476	1,520,927
48	Models and patterns, excluding paper	62	87	8	340,144	298	2	929,118
49	Pipes, lighters and smokers' supplies	14	49	40	258,227	121	130	546,721
50	Signs, electric, neon and other	103	346	126	1,715,354	1,415	114	3,621,298
51	Stamps and stencils, rubber and metal	49	131	54	596,137	383	81	971,431
52	Statuary, art goods, regalia and novelties	125	177	68	628,146	422	370	1,231,461
53	Umbrellas	8	26	16	123,991	29	112	174,184
54	Other miscellaneous industries	33	144	123	826,970	754	789	3,148,367
55	Totals, miscellaneous industries	1,173	4,156	2,246	20,781,799	13,556	8,798	46,126,956
56	Grand totals, all industries	37,021	176,943	70,844	816,714,604	792,394	218,194	2,459,566,313

TABLE 11. Establishments, Employees, Salaries and Wages, Fuel and Electricity, Materials, and Values of Products of the Manufacturing Industries, 1951 — Concluded

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost of materials	Net value of products	Gross value of products	No.
No.	\$	\$	\$	\$	\$	
2,989	9,675,282	3,819,109	17,668,167	23,433,673	44,920,949	1
1,948	5,386,693	580,066	9,157,249	9,900,136	19,637,451	2
1,943	6,304,906	9,068,296	7,324,048	26,631,501	43,023,845	3
5,169	12,449,150	1,592,096	23,076,549	27,772,451	52,441,096	4
3,873	10,258,994	4,414,072	794,483	18,319,101	23,527,656	5
2,526	6,372,732	870,710	4,382,230	11,695,364	16,948,304	6
6,527	17,660,204	3,542,633	20,551,774	30,818,885	54,913,292	7
1,138	3,304,295	845,020	8,463,839	9,577,148	18,886,007	8
1,117	3,143,122	3,558,701	921,266	10,390,230	14,670,197	9
748	1,830,334	973,257	1,596,119	6,631,889	9,201,265	10
198	541,034	88,494	512,094	1,254,547	1,855,135	11
2,270	6,198,170	766,099	6,733,301	11,206,251	18,705,651	12
1,076	2,954,056	596,315	7,830,582	7,717,653	16,144,550	13
31,522	86,078,972	30,514,868	109,011,701	195,348,829	334,875,398	14
4,987	14,869,264	7,123,895	59,515,556	43,970,068	110,609,519	15
10,611	37,078,626	24,570,855	438,467,139	135,902,522	598,940,516	16
15,598	51,947,890	31,694,750	497,982,695	179,872,590	709,550,035	17
7,371	24,579,398	11,127,663	39,238,794	67,456,301	117,822,758	18
3,218	10,310,069	1,766,565	35,294,282	37,427,873	74,488,720	19
7,481	18,917,850	719,135	28,414,566	60,115,166	89,248,867	20
5,859	16,129,180	708,104	55,700,822	48,430,359	104,839,285	21
1,648	5,402,853	707,334	20,571,434	18,091,655	39,370,423	22
3,742	11,506,281	1,017,930	41,757,694	30,943,090	73,718,714	23
1,800	3,775,166	100,113	8,223,549	14,211,418	22,535,080	24
751	2,316,979	623,871	48,729,012	10,849,240	60,202,123	25
714	1,971,906	369,465	6,280,084	4,787,488	11,437,037	26
468	1,442,776	668,588	7,077,237	4,331,465	12,077,290	27
1,247	3,681,376	582,097	2,408,694	12,387,572	15,378,363	28
828	2,452,014	85,231	5,208,361	5,289,170	10,582,762	29
800	1,852,790	76,898	6,399,459	6,768,318	13,244,675	30
9,737	26,971,513	6,952,561	61,653,707	62,937,026	131,543,294	31
45,664	131,310,151	25,505,555	366,957,695	384,026,141	776,489,391	32
2,313	4,785,425	133,348	9,183,187	8,410,464	17,726,999	33
1,185	2,991,396	35,174	5,777,790	4,778,441	10,591,405	34
1,122	2,669,218	59,009	4,239,976	5,515,281	9,814,266	35
1,336	2,955,610	130,929	3,445,332	5,129,814	8,706,075	36
3,626	8,026,787	343,244	15,490,305	15,946,997	31,780,546	37
4,174	12,035,607	345,768	14,150,895	22,499,682	36,996,345	38
1,732	3,659,189	121,871	4,064,663	6,250,278	10,436,812	39
1,432	3,099,681	79,645	4,611,546	4,925,841	9,617,032	40
397	1,023,355	29,884	2,375,846	1,955,279	4,361,009	41
676	996,264	12,912	1,050,488	1,676,903	2,740,303	42
1,622	3,706,435	84,492	3,882,116	6,121,090	10,087,698	43
230	439,841	31,590	964,541	1,237,162	2,233,293	44
158	350,198	5,827	1,860,172	633,624	2,499,623	45
1,174	2,890,750	616,293	159,765	5,231,305	6,007,363	46
1,164	2,167,450	80,415	3,624,308	3,690,651	7,395,374	47
395	1,269,262	26,493	414,121	1,844,982	2,285,596	48
340	804,948	21,470	1,199,482	1,473,549	2,694,501	49
2,001	5,336,652	271,396	4,765,596	10,021,946	15,058,938	50
649	1,567,568	29,768	763,665	2,365,826	3,159,259	51
1,037	1,859,607	47,524	1,829,707	2,868,184	4,745,415	52
183	298,175	2,376	707,975	469,104	1,179,455	53
1,810	3,975,337	103,166	2,730,939	7,853,143	10,687,248	54
28,756	66,908,755	2,612,594	87,292,415	120,899,546	210,804,555	55
1,258,375	3,276,280,917	376,713,996	9,074,526,353	6,940,946,783	16,392,187,132	56

Table 12 gives the amount and value of each of the principal commodities produced by the manufacturing industries of Canada. Commodities produced in small quantities are not in-

cluded 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 by the Manufacturing Industries of Canada, 1951

	Unit of measure	Quantity	Value
			\$
Foods:			
Biscuits, all kinds	lb.	222,403,645	67,525,753
Bread	"	1,045,169,780	149,481,587
Butter, factory made	"	259,188,310	163,306,022
Cheese, factory made	"	143,603,835	51,284,088
Confectionery, all kinds	"	—	65,865,363
Cream, sold in dairy factories	lb. b. fat	23,909,512	27,258,822
Feed, chopped, grain	ton	428,133	27,390,989
Fish, canned and otherwise prepared	"	—	79,745,627
Flour, wheat	bbl.	23,090,327	211,082,113
Feeds, stock and poultry	ton	1,880,551	159,883,435
Fruits and vegetables, canned	lb.	573,823,530	73,646,487
Fruits and vegetables, frozen	"	25,575,769	4,727,800
Ice cream, factory made	gal.	24,452,217	40,641,686
Jams, jellies and marmalades	lb.	90,470,835	16,283,986
Lard	"	87,307,769	19,083,429
Meats, canned incl. poultry, pastes, etc.	"	65,551,993	33,169,389
Meats, cooked	"	46,664,576	29,603,688
Meats, cured	"	224,460,409	117,796,356
Meats, sold fresh	"	993,090,687	478,646,234
Meats, sold frozen	"	73,722,573	30,528,043
Milk, sold in dairy factories	gal.	151,201,266	104,844,637
Milk, evaporated and condensed	lb.	309,981,777	40,016,748
Pickles, relishes and catsup	"	—	19,260,234
Pies, cakes and pastry	"	—	64,745,925
Powders, edible (custard, jelly, milk, etc.) ..	lb.	125,898,137	29,693,398
Sausage, fresh and cured	lb.	76,735,427	35,584,933
Shortening	"	121,351,222	36,036,304
Sugar, granulated (cane and beet)	"	1,113,970,012	113,680,370
Tea and coffee, roasted, blended and packed ..	"	115,636,031	105,229,406
Beverages:			
Aerated waters	gal.	94,803,207	77,295,550
Beer, ale, stout and porter (sales)	"	177,657,694	271,555,265
Spirits, beverage, sold outside the Distilling Industry ..	pr. gal.	10,801,225	84,453,985
Wine, sold	Imp. gal.	4,386,918	11,147,846
Tobacco and Tobacco Products ¹:			
Cigarettes	M.	15,816,166	261,909,840
Cigars	M.	169,408	13,896,713
Tobacco chewing, smoking and snuff	lb.	30,567,989	70,812,214
Tobacco, raw leaf, processed	"	111,551,981	62,693,707
Textile Products, except Clothing:			
Bags, cotton and jute	No.	102,407,223	33,327,941
Blankets	"	—	18,565,571
Carpets, mats and rugs	"	—	14,919,284
Cotton fabrics	"	—	158,499,274
Spun rayon fabrics and mixtures	yd.	24,254,299	23,405,158
Synthetic yarn fabrics, continuous filament and mixtures ..	"	90,877,619	66,704,717
Tire fabrics	lb.	31,705,148	25,836,355
Twine and cordage	"	—	33,769,867
Woollen cloth, woven and other	sq. yd.	31,125,617	73,342,095
Yarns, cotton, rayon, wool, etc. (for sale)	lb.	110,699,091	144,421,177
Clothing:			
Coats and overcoats, cloth, men's, youths' and women's ..	No.	3,258,255	69,963,776
Coats, fur and fur-lined	"	210,071	46,920,519
Short coats (including windbreakers, mackinaws, parkas, leather coats, etc.) ..	Doz.	247,204	21,396,405
Dresses, women's and misses'	No.	12,684,359	69,497,136
Footwear, leather	pair	28,494,328	111,856,748
Footwear, rubber	"	15,702,188	43,091,337
Gloves and mittens, all kinds	Doz. pr.	2,137,169	20,380,484
Hats and caps, men's and boys'	Doz.	658,583	11,463,416
Hats, women's and children's	"	455,968	13,380,773
Hosiery, all kinds	Doz. pr.	10,260,704	72,638,392
Shirts, fine, work and sport	Doz.	1,882,667	46,843,961
Sport suits, slacks and other sport clothing, n.e.s.	"	—	11,606,959
Suits, men's and youths', fine, woollen	No.	1,321,472	49,625,259
Underwear	Doz.	5,217,439	51,520,713
Wood Products:			
Boxes, wooden	"	—	13,490,637
Furniture, household, including beds and couches	"	—	94,420,398
Lumber, planed	M. ft. bd. m.	2,566,214	216,958,904
Lumber, sawn	" " " "	5,311,997	365,780,466
Pulp, wood, made for sale	s. ton	2,727,274	413,831,246
Sash, door and other mill work	"	—	60,154,474
Paper Products:			
Bags, paper	"	—	43,165,603
Boxes, paper	"	—	126,066,844
Paper newsprint, wrapping and book	"	—	677,815,457
Paper boards, all types	"	—	128,409,233

TABLE 12. Quantities and Values of the Principal Commodities Produced by the Manufacturing Industries of Canada, 1951 - Concluded

	Unit of measure	Quantity	Value \$
Printing, Publishing and Allied Industries:			
Advertising matter, printed	—	—	34,978,343
Books and catalogues, printed	—	—	24,404,237
Circular letters, banknotes, etc., printed	—	—	25,201,534
Periodicals printed for publishers	—	—	21,737,681
Periodicals printed by publishers:			
Subscriptions and sales	—	—	58,334,894
Gross revenue from advertising	—	—	140,732,810
Sheet forms, commercial, printed	—	—	37,322,201
Iron and Steel Products:			
Bars, iron and steel	ton	587,160	73,165,972
Boilers, heating and power	—	—	18,588,095
Castings, grey iron made for sale	—	—	47,497,584
Farm implements and parts	—	—	183,183,920
Forgings, steel and other	—	—	23,795,775
Hardware, builders' and other	—	—	41,248,167
Machinery, industrial, household, office and store	—	—	482,723,179
Pipes, tubing and fittings, iron and steel	—	—	92,200,000
Roller iron and steel forms, semi-finished, sold	ton	447,334	33,513,655
Sheets, hoops, bands, strips, etc., iron and steel	—	—	96,401,261
Steel ingots and castings, sold	n. ton	295,279	52,227,452
Steel shapes erected, bridge, etc.	—	—	69,854,008
Steel shapes, structural, made in primary mills	n. ton	223,281	21,612,870
Stoves, coal, wood, electric and gas	—	—	40,734,025
Tools, hand, all kinds	—	—	34,009,230
Wire, wire rope and cable, steel	—	—	37,682,984
Transportation Equipment:			
Aircraft, including parts and repairs	—	—	95,115,771
Automobiles, commercial	No.	132,706	212,806,695
Automobiles, passenger	"	282,714	438,613,532
Automobile parts and accessories, incl. tires	—	—	654,775,454
Buses	No.	685	10,476,480
Railway locomotives	"	267	41,893,150
Ships and ship repairs	—	—	91,852,926
Miscellaneous, including bicycles, boats, canoes, etc.	—	—	8,818,956
Non-Ferrous Metal Products:			
Jewellery	—	—	16,012,399
Kitchenware	—	—	18,032,140
Silverware	—	—	11,843,568
Smelter and refinery products	—	—	861,315,930
Electrical Apparatus and Supplies:			
Batteries, electric and parts	—	—	31,562,595
Radio sets and accessories	—	—	48,447,556
Refrigerators, household, mechanical	No.	277,911	54,547,398
Wires and cables, electric	—	—	123,768,524
Non-Metallic Mineral Products:			
Abrasives, artificial	ton	265,656	30,748,225
Coke, gas-house	"	3,931,626	59,848,832
Concrete, ready-mixed	cu. yd.	1,557,664	17,290,381
Gas, sold	M. cu. ft.	25,959,987	29,087,074
Glass, pressed and blown	—	—	36,009,205
Chemicals and Allied Products:			
Calcium and sodium compounds	—	—	46,165,361
Enamels, lacquers and varnishes	—	—	46,408,649
Explosives	lb.	155,490,062	22,005,688
Gases, compressed and liquefied	—	—	11,100,940
Medicinal and pharmaceutical preparations	—	—	82,131,000
Paints, mixed, ready for use	Imp. gal.	11,090,935	41,521,166
Plastics, primary	—	—	23,097,000
Soap	lb.	197,221,000	37,674,000
Toilet preparations	—	—	30,873,102
Miscellaneous:			
Bags, hand and hand luggage	—	—	11,381,286
Brooms and household brushes	—	—	5,063,469
Cans, metal, for food, etc.	—	—	54,965,224
Gasoline	Imp. gal.	1,845,846,568	300,360,166
Leather, shoe	—	—	39,011,541
Mattresses	—	—	16,579,619
Mops	Doz.	273,113	2,071,366
Oil, fuel	Imp. gal.	1,768,713,720	172,483,868
Pianos, organs and parts	—	—	4,506,567
Scientific and professional equipment	—	—	36,996,345
Sporting goods	—	—	11,513,559
Springs, bed and other furniture	—	—	7,554,986
Toys and games	—	—	16,485,795

1. Includes excise taxes.

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, 1917-1951

	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of materials	Net value of products	Gross value of products
	No.	No.	\$	\$	\$	\$
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, 1917	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, 1920	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, 1929	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, 1933	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, 1917-1951 - Concluded

	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of materials	Net value of products	Gross value of products
	No.	No.	\$	\$	\$	\$
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	461,983,262
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	30,067,934	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, 1939	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	992,455,975
Non-metallic mineral products	748	31,590	56,130,338	234,714,319	152,525,053	416,268,879
Chemicals 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, 1944	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	558,467,028	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, 1949	35,792	1,171,207	2,591,890,657	6,843,231,064	5,330,566,434	12,479,593,300
1950						
Vegetable products	5,801	142,895	301,287,533	1,318,098,571	834,723,002	2,185,046,049
Animal products	4,141	98,795	200,595,193	1,210,657,408	372,535,320	1,599,723,667
Textiles and textile products	3,266	188,614	362,381,291	750,631,525	639,958,673	1,407,032,148
Wood and paper products	15,991	269,665	631,185,730	1,193,849,612	1,385,084,133	2,665,764,506
Iron and its products	2,698	265,952	723,387,597	1,330,651,901	1,360,211,239	2,748,215,232
Non-ferrous metal products	918	104,942	274,869,661	866,997,815	626,675,566	1,541,330,200
Non-metallic mineral products	1,121	44,780	116,805,772	533,587,088	312,866,411	902,667,662
Chemicals and allied products	1,018	40,683	104,639,318	267,492,443	310,877,528	599,843,963
Miscellaneous industries	988	27,071	56,115,334	66,568,169	99,126,357	167,902,954
Totals, 1950	35,942	1,183,297	2,771,267,435	7,538,534,532	5,942,058,229	13,817,526,381
1951						
Vegetable products	5,862	144,762	339,272,100	1,485,063,324	926,401,068	2,445,848,786
Animal products	4,030	100,487	222,271,019	1,425,565,514	402,417,994	1,846,134,158
Textiles and textile products	3,343	190,054	389,843,607	861,474,177	681,616,663	1,559,977,021
Wood and paper products	16,817	281,204	735,283,683	1,453,475,873	1,660,280,363	3,209,391,543
Iron and its products	2,758	303,497	910,549,175	1,724,318,073	1,641,346,745	3,432,209,864
Non-ferrous metal products	909	117,740	345,482,742	1,113,974,070	760,219,708	1,929,608,127
Non-metallic mineral products	1,124	47,120	138,026,862	606,994,396	375,221,419	1,044,425,433
Chemicals and allied products	1,024	44,913	128,993,172	318,228,683	373,176,901	716,287,268
Miscellaneous industries	1,154	28,598	66,558,557	85,432,243	120,265,922	208,304,932
Totals, 1951	37,021	1,258,375	3,276,280,917	9,074,526,353	6,940,946,783	16,392,187,132

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, of 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 industrial organization is usually indicated by a 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 1951 the average salary and wage was \$2,973 for the mineral group and \$2,251 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 1924-51

Year and origin	Estab- lishments	Capital	Em- ployees	Salaries and wages	Cost of materials	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	6,873	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, 1924	20,709	2,895,317,508	487,610	534,467,675	1,436,190,791¹	2,584,306,764¹
Farm origin group:						
From field crops	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, 1929	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, 1933	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	210,752	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, 1939	24,805	3,647,024,449	658,114	737,811,153	1,836,159,375	3,474,783,528
Farm origin groups:						
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

TABLE 14. Principal Statistics of the Manufacturing Industries, Classified According to Origin of Material Used, by Main Groups, Significant Years 1924-51 — Concluded

Year and origin	Estab- lishments	Em- ployees	Salaries and wages	Cost of materials	Net value of products	Gross value of products
	No.	No.	\$	\$	\$	\$
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, 1944	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	2,652,631,878	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, 1949	35,792	1,171,207	2,591,890,637	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
1950						
Farm origin	9,865	309,756	635,302,432	2,844,735,133	1,426,866,631	4,326,551,169
Mineral origin	6,038	460,749	1,234,389,646	2,994,681,340	2,602,196,220	5,780,180,750
Forest origin	15,580	262,524	612,465,194	1,182,568,408	1,356,295,347	2,625,214,447
Marine origin	591	11,842	18,722,240	79,959,218	46,691,639	128,423,853
Wild life origin	631	7,962	18,017,198	39,603,500	28,487,711	68,444,871
Mixed origin	3,237	130,464	252,370,725	396,986,933	481,520,681	888,711,291
Grand totals, 1950	35,942	1,183,297	2,771,267,435	7,538,534,532	5,942,058,229	13,817,526,381
Farm origin group:						
From field crops	6,067	177,449	371,490,647	1,537,016,230	960,378,598	2,534,609,064
From animal husbandry	3,798	132,307	263,811,785	1,307,718,903	466,488,033	1,791,942,105
Totals, farm origin	9,865	309,756	635,302,432	2,844,735,133	1,426,866,631	4,326,551,169
Canadian origin	9,025	241,737	485,659,591	2,381,302,252	1,083,252,802	3,505,792,122
Foreign origin	840	68,019	149,642,841	463,432,881	343,613,829	820,759,047
1951						
Farm origin	9,816	312,239	702,709,511	3,281,635,418	1,553,106,072	4,892,471,242
Mineral origin	6,109	517,079	1,537,131,218	3,757,080,165	3,137,209,177	7,104,016,198
Forest origin	16,417	274,584	716,106,975	1,441,823,451	1,631,955,643	3,168,940,064
Marine origin	633	14,911	24,744,189	101,621,086	58,665,035	163,010,208
Wild life origin	632	7,389	17,551,829	39,177,043	26,991,961	66,512,307
Mixed origin	3,414	132,173	278,037,195	453,189,190	533,018,895	997,237,113
Grand Totals, 1951	37,021	1,258,375	3,276,280,917	9,074,526,353	6,940,946,783	16,392,187,132
Farm origin group:						
Farm field crops	6,142	180,788	416,421,285	1,739,956,828	1,060,429,903	2,839,625,828
From animal husbandry	3,674	131,451	286,288,226	1,541,678,590	492,676,169	2,052,845,414
Totals, farm origin	9,816	312,239	702,709,511	3,281,635,418	1,553,106,072	4,892,471,242
Canadian origin	8,947	242,208	534,880,813	2,739,054,575	1,174,031,701	3,957,392,807
Foreign origin	869	70,031	167,828,698	542,580,843	379,074,371	935,078,435

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.

Subsection 4. Manufactures Classified by Type of Ownership

This subsection 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 37,021 establishments operating in 1951, 1,354 establishments in the periodical publishing industry were unclassifiable, leaving 35,667 establishments in the four categories of ownership. Individual ownership numbered 15,925 establishments, partnerships 5,531, incorporated companies 13,166 and co-operatives 1,045. The percentage distribution of the four categories of ownership are given below for the years 1946 to 1951.

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

As is to be expected, the smaller establishments, regardless of the type of products manufactured, are carried on under individual ownership. In that category industries conducted

on a small scale contain a large number of establishments, 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	11.0	61.3
2	Printing, publishing and allied trades	16.1	46.5
3	Foods and beverages	20.6	47.9
4	Miscellaneous manufacturing industries	24.5	33.2
5	Non-metallic mineral products	30.3	33.2
6	Clothing (textile and fur)	37.5	27.6
7	Chemicals and allied products	44.0	15.8
8	Leather products	44.4	31.2
9	Iron and steel products	75.3	25.6
10	Textile products (except clothing)	91.6	27.6
11	Non-ferrous metal products	93.5	28.4
12	Paper products	151.5	10.1
13	Tobacco and tobacco products	158.5	40.3
14	Electrical apparatus and supplies	181.3	12.3
15	Products of petroleum and coal	190.2	2.4
16	Transportation equipment	204.5	32.4
17	Rubber products	344.1	9.0
	All groups	34.0	6.1

It is therefore found, according to the above, that in the wood products group 61 p.c. of the establishments were under individual ownership. The foods and beverages group had 48 p.c. of its establishments in this classification, followed by printing, publishing and allied industries with 47 p.c., tobacco products 40 p.c., miscellaneous industries 33 p.c., non-metallic mineral products 33 p.c., transportation equipment 32 p.c., leather products 31 p.c., non-ferrous metal products 28 p.c., clothing (textile and fur) 28 p.c., textile products (except clothing) 28 p.c., iron and steel products 26 p.c. etc.

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 15 and 16, these establishments which comprise 45 p.c. of the total had only 6 p.c. of the total employees. Partnerships accounted for 16 p.c. of the number of establishments and 4 p.c. of the total employees. Incorporated companies with 37 p.c. of

the number of establishments had 89 p.c. of the employees. Co-operatives with 3 p.c. of the number had 1 p.c. of the employees.

On the basis of employment provided, incorporated companies are by a very wide margin the most important factor in the employment field. In the rubber products, paper products, transportation equipment, electrical apparatus and supplies and petroleum and coal products groups 99 p.c. of the employees were reported by such companies. Companies in the chemicals and allied products group had 98 p.c., tobacco products, textile products (except clothing), iron and steel products, non-ferrous metal products groups had 96 p.c., non-metallic mineral products 90 p.c., leather products, miscellaneous industries groups had 87 p.c., printing, publishing and allied industries 85, clothing (textile and fur) 82, foods and beverages 81, p.c. Companies in the wood products group with 69 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, 1951¹

Province or group	Individual ownership	Partnerships	Incorporated companies	Co-operatives	Total
	p.c.	p.c.	p.c.	p.c.	p.c.
Province					
Newfoundland	49.5	34.0	16.3	0.2	100.0
Prince Edward Island	47.2	19.6	26.0	7.2	100.0
Nova Scotia	51.5	16.5	29.8	2.2	100.0
New Brunswick	53.7	12.0	31.0	3.3	100.0
Quebec	49.9	11.3	34.5	4.3	100.0
Ontario	39.1	16.1	42.5	2.3	100.0
Manitoba	40.3	15.8	42.0	1.9	100.0
Saskatchewan	57.5	15.8	21.2	5.5	100.0
Alberta	52.2	20.4	24.4	3.0	100.0
British Columbia	34.7	20.1	43.9	1.3	100.0
Yukon and Northwest Territories	61.1	11.1	27.8	—	100.0
Canada	44.6	15.5	36.9	3.0	100.0
Industrial group					
Foods and beverages	47.9	11.4	28.9	11.8	100.0
Tobacco and tobacco products	40.3	3.2	51.6	4.9	100.0
Rubber products	9.0	9.0	82.0	—	100.0
Leather products	31.2	12.8	56.0	—	100.0
Textile products (except clothing)	27.6	13.5	58.7	0.2	100.0
Clothing (textile and fur)	27.6	19.2	53.2	—	100.0
Wood products	61.3	19.7	18.7	0.3	100.0
Paper products	10.1	4.2	85.7	—	100.0
Printing, publishing and allied industries	46.5	16.2	36.9	0.4	100.0
Iron and steel products	25.6	14.7	59.7	—	100.0
Transportation equipment	32.4	14.0	53.6	—	100.0
Non-ferrous metal products	28.4	13.2	58.4	—	100.0
Electrical apparatus and supplies	12.3	7.0	80.7	—	100.0
Non-metallic mineral products	33.2	17.2	49.6	—	100.0
Products of petroleum and coal	2.4	1.2	94.0	2.4	100.0
Chemicals and allied products	15.8	5.7	78.1	0.4	100.0
Miscellaneous manufacturing industries	33.2	14.7	51.8	0.3	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, 1951¹

Province or group	Individual ownership	Partnerships	Incorporated companies	Co-operatives	Total
	p.c.	p.c.	p.c.	p.c.	p.c.
Province					
Newfoundland	8.8	7.3	83.9	—	100.0
Prince Edward Island	20.5	13.1	61.4	5.0	100.0
Nova Scotia	10.8	4.3	83.6	1.3	100.0
New Brunswick	10.4	3.6	84.3	1.7	100.0
Quebec	7.6	3.6	88.0	0.8	100.0
Ontario	4.1	3.1	92.4	0.4	100.0
Manitoba	5.7	4.3	88.7	1.3	100.0
Saskatchewan	13.3	6.3	69.7	10.7	100.0
Alberta	13.5	8.1	75.8	2.6	100.0
British Columbia	5.9	5.0	87.0	2.1	100.0
Yukon and Northwest Territories	25.7	6.6	67.7	—	100.0
Canada	6.1	3.7	89.3	0.9	100.0
Industrial group					
Foods and beverages	10.5	4.0	80.5	5.0	100.0
Tobacco and tobacco products	1.3	0.4	95.6	2.7	100.0
Rubber products	0.2	0.4	99.4	—	100.0
Leather products	7.2	5.6	87.2	—	100.0
Textile products (except clothing)	2.5	1.8	95.7	—	100.0
Clothing (textile and fur)	8.8	9.5	81.7	—	100.0
Wood products	20.4	10.3	69.0	0.3	100.0
Paper products	0.6	0.3	99.1	—	100.0
Printing, publishing and allied industries	9.2	5.1	84.5	1.2	100.0
Iron and steel products	2.3	2.0	95.7	—	100.0
Transportation equipment	0.7	0.5	98.8	—	100.0
Non-ferrous metal products	2.2	1.4	96.4	—	100.0
Electrical apparatus and supplies	0.6	0.6	98.8	—	100.0
Non-metallic mineral products	5.5	4.1	90.4	—	100.0
Products of petroleum and coal	—	—	98.9	1.1	100.0
Chemicals and allied products	1.1	0.5	98.0	0.4	100.0
Miscellaneous manufacturing industries	8.1	4.8	86.8	0.3	100.0

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

TABLE 17. Percentage Distribution of Employment in the Forty Leading Industries, by Type of Ownership, 1951

No.	Industry	Individual ownership	Partnerships	Incorporated companies	Co-operatives	Total
		p.c.	p.c.	p.c.	p.c.	p.c.
1	Pulp and paper	—	—	100.0	—	100.0
2	Slaughtering and meatpacking	2.0	1.5	93.6	2.9	100.0
3	Non-ferrous metal smelting and refining	—	—	100.0	—	100.0
4	Motor vehicles	—	—	100.0	—	100.0
5	Petroleum products	—	—	100.0	—	100.0
6	Sawmills	—	—	98.5	1.5	100.0
7	Primary iron and steel	29.8	13.3	56.5	0.4	100.0
8	Butter and cheese	—	—	100.0	—	100.0
9	Rubber goods	11.8	3.9	62.1	22.2	100.0
10	Railway rolling stock	0.2	0.4	99.4	—	100.0
11	Flour mills	—	—	100.0	—	100.0
12	Cotton yarn and cloth	1.2	3.4	93.6	1.8	100.0
13	Motor vehicle parts	—	—	100.0	—	100.0
14	Foods, miscellaneous	1.4	0.9	97.7	—	100.0
15	Bread and other bakery products	4.7	2.8	92.5	—	100.0
16	Clothing, men's factory	27.2	7.5	64.9	0.4	100.0
17	Machinery, heavy electrical	5.9	8.9	85.2	—	100.0
18	Electrical apparatus and supplies, miscellaneous	0.1	—	99.9	—	100.0
19	Machinery, industrial	0.4	0.7	98.9	—	100.0
20	Fruit and vegetable preparations	1.8	1.4	96.8	—	100.0
21	Clothing, women's factory	4.6	3.3	88.7	3.4	100.0
22	Sheet metal products	8.4	9.9	81.7	—	100.0
23	Printing and publishing	2.8	2.3	94.9	—	100.0
24	Furniture	6.2	2.8	89.8	1.2	100.0
25	Brass and copper products	11.6	9.4	79.0	—	100.0
26	Sash, door and planing mills	2.2	1.6	96.2	—	100.0
27	Feeds, stock and poultry, prepared	18.0	8.6	73.1	0.3	100.0
28	Boxes and bags, paper	16.4	7.6	58.4	17.6	100.0
29	Agricultural implements	1.6	0.8	97.6	—	100.0
30	Synthetic textiles and silk	0.5	0.9	97.6	1.0	100.0
31	Castings, iron	0.3	0.2	99.5	—	100.0
32	Fish processing	2.9	2.9	94.2	—	100.0
33	Breweries	9.4	2.8	79.9	7.9	100.0
34	Printing and bookbinding	—	0.4	99.6	—	100.0
35	Sugar refining	14.8	8.2	75.3	1.7	100.0
36	Miscellaneous paper goods	—	—	100.0	—	100.0
37	Miscellaneous chemical products	2.4	1.0	96.6	—	100.0
38	Footwear, leather	1.5	0.5	98.0	—	100.0
39	Acids, alkalies and salts	6.5	4.0	89.5	—	100.0
40	Aircraft and parts	—	—	100.0	—	100.0

TABLE 18. Principal Statistics of the Manufacturing Industries of Canada and Each Province, Grouped According to the Type of Ownership, 1951

Provinces and Groups	Estab-lish-ments	Employees	Salaries and wages ¹	Cost of fuel and electricity	Cost of materials	Gross value of products
	No.	No.	\$	\$	\$	\$
Canada:						
Individual ownership	15,925	76,564	124,348,027	10,186,908	313,607,220	541,863,157
Partnerships	5,531	46,284	85,533,421	5,086,712	197,493,320	354,126,339
Incorporated companies	13,166	1,120,195	3,036,870,663	358,483,872	8,367,211,957	15,236,214,736
Co-operatives	1,045	10,714	21,479,309	2,956,504	176,985,538	222,100,047
Not classifiable ¹	1,354	4,618	8,049,497	—	19,228,318	37,882,853
Totals	37,021	1,258,375	3,276,280,917	376,713,996	9,074,526,353	16,392,187,132
Newfoundland:						
Individual ownership	404	844	855,593	92,796	1,445,958	3,037,450
Partnerships	278	704	631,758	71,109	968,670	2,424,885
Incorporated companies	133	8,067	21,189,349	3,671,222	40,677,390	95,146,124
Co-operatives	2					
Not classifiable ¹	5	7	4,546	—	25,281	34,154
Totals	822	9,622	22,681,246	3,835,127	43,117,299	100,642,613
Prince Edward Island:						
Individual ownership	111	355	343,297	52,220	1,567,861	2,284,562
Partnerships	46	228	264,048	32,228	1,113,813	1,640,999
Incorporated companies	61	1,065	1,767,833	202,157	13,430,118	17,281,512
Co-operatives	17					
Not classifiable ¹	2	87	84,375	12,289	1,065,956	1,316,366
Totals	237	1,735	2,459,553	298,894	17,177,748	22,523,439

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, 1951 - Concluded

Provinces and Groups	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost of materials	Gross value of products
	No.	No.	\$	\$	\$	\$
Nova Scotia:						
Individual ownership	735	3,285	4,157,921	360,845	14,949,390	23,606,425
Partnerships	235	1,318	1,632,341	146,076	5,504,373	8,584,734
Incorporated companies	425	25,464	57,654,666	11,448,394	149,164,719	267,891,662
Co-operatives	32	391	488,548	61,953	2,335,534	3,299,073
Not classifiable ¹	47	54	42,278	—	161,320	237,340
Totals	1,474	30,512	63,975,754	12,017,268	172,115,336	303,619,234
New Brunswick:						
Individual ownership	572	2,535	3,205,636	331,973	8,990,637	15,590,919
Partnerships	128	882	1,262,309	90,035	3,407,552	5,833,429
Incorporated companies	331	20,644	48,528,798	9,711,537	157,317,369	277,721,627
Co-operatives	35	420	528,886	86,140	6,526,142	7,826,045
Not classifiable ¹	18	24	21,253	—	117,164	201,484
Totals	1,084	24,505	53,546,882	10,219,685	176,358,864	307,173,504
Quebec:						
Individual ownership	5,725	31,389	48,775,190	3,748,770	132,429,762	221,441,553
Partnerships	1,292	15,137	27,095,981	1,298,831	61,101,310	111,099,109
Incorporated companies	3,959	365,441	920,591,118	129,722,614	2,427,929,861	4,485,915,311
Co-operatives	490	3,179	4,736,443	814,807	65,971,262	77,551,395
Not classifiable ¹	395	2,036	4,402,948	—	9,206,451	20,150,051
Totals	11,861	417,182	1,005,601,680	135,585,022	2,696,638,646	4,916,157,419
Ontario:						
Individual ownership	4,902	24,836	45,022,855	3,681,205	111,453,069	192,771,328
Partnerships	2,013	18,576	37,727,138	2,127,070	87,883,947	153,996,359
Incorporated companies	5,328	552,124	1,579,326,150	164,487,508	4,092,960,386	7,671,877,265
Co-operatives	281	2,249	4,788,425	641,002	35,323,228	44,415,384
Not classifiable ¹	501	1,648	2,522,414	—	6,773,737	11,670,881
Totals	13,025	599,433	1,669,386,982	170,936,785	4,334,394,367	8,074,731,217
Manitoba:						
Individual ownership	563	2,374	3,888,059	331,181	10,862,310	17,824,086
Partnerships	221	1,775	3,077,015	167,579	7,293,600	12,887,809
Incorporated companies	587	36,600	91,662,453	8,684,235	323,459,029	509,309,164
Co-operatives	26	533	1,224,233	110,772	6,578,603	9,560,043
Not classifiable ¹	115	177	319,206	—	1,010,070	1,764,944
Totals	1,512	41,459	100,170,966	9,293,767	349,203,612	551,346,046
Saskatchewan:						
Individual ownership	538	1,463	2,105,324	233,312	3,954,852	7,987,377
Partnerships	148	696	1,105,180	124,104	2,430,618	4,538,284
Incorporated companies	198	7,650	20,175,765	3,746,313	155,224,962	208,454,565
Co-operatives	51	1,168	2,853,197	469,236	23,318,324	29,526,545
Not classifiable ¹	38	46	50,828	—	222,699	306,255
Totals	973	11,023	26,290,294	4,572,965	185,151,455	250,813,026
Alberta:						
Individual ownership	1,065	3,910	6,063,444	547,669	12,982,360	24,322,226
Partnerships	415	2,351	3,976,261	348,517	13,018,424	20,958,251
Incorporated companies	497	21,962	57,235,696	6,108,071	267,149,423	392,705,234
Co-operatives	61	755	1,731,072	196,935	15,788,243	19,526,038
Not classifiable ¹	80	127	129,114	—	492,168	769,635
Totals	2,118	29,105	69,135,587	7,201,192	309,430,618	458,281,384
British Columbia:						
Individual ownership	1,299	5,534	9,846,790	794,037	14,867,051	32,726,069
Partnerships	753	4,607	8,749,953	679,461	14,745,908	32,100,401
Incorporated companies	1,642	81,077	238,429,860	20,554,561	738,931,384	1,308,230,080
Co-operatives	50	1,931	5,042,845	563,300	20,080,831	29,081,080
Not classifiable ¹	153	498	556,835	—	1,215,243	2,742,711
Totals	3,897	93,647	262,626,283	22,591,359	789,840,417	1,404,880,341
Yukon and Northwest Territories:						
Individual ownership	11	39	83,918	12,900	103,970	271,162
Partnerships	2	113	321,772	149,032	994,021	1,747,747
Incorporated companies	5					
Totals	18	152	405,690	161,932	1,097,991	2,018,909

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, 1951

Provinces and groups	Estab- lish- ments	Employee ¹	Salaries and wages	Cost of fuel and electricity	Cost of materials	Gross value of products
	No.	No.	\$	\$	\$	\$
1. Foods and Beverages:						
Individual ownership	4,018	18,044	27,633,774	4,946,741	142,233,289	196,876,048
Partnerships	957	6,904	11,890,830	1,797,690	68,233,926	92,918,138
Incorporated companies	2,425	138,846	336,650,744	36,217,724	2,044,470,503	2,959,578,637
Co-operatives	988	8,699	16,684,087	2,620,678	164,269,080	200,657,692
Totals	8,388	172,493	392,859,435	45,582,833	2,419,206,798	3,450,030,515
2. Tobacco and Tobacco Products:						
Individual ownership	25	169	221,796	8,261	317,648	591,993
Partnerships	2					
Incorporated companies	32	9,394	23,882,720	529,420	117,458,902	176,141,888
Co-operatives	3	263	333,702	16,034	1,813,503	2,443,212
Totals	62	9,826	24,438,218	553,715	119,590,053	179,177,093
3. Rubber Products:						
Individual ownership	6	47	64,306	3,933	45,378	140,050
Partnerships	6	96	176,982	11,771	112,226	404,958
Incorporated companies	55	22,911	64,116,408	3,526,155	146,794,046	311,133,481
Totals	67	23,054	64,357,696	3,541,859	146,951,650	311,678,489
4. Leather Products:						
Individual ownership	222	2,272	3,734,030	82,382	6,580,619	12,316,039
Partnerships	91	1,771	2,857,714	62,984	5,902,863	10,340,392
Incorporated companies	398	27,535	53,077,020	1,738,270	122,630,628	199,226,363
Totals	711	31,578	59,668,764	1,883,636	135,114,110	221,882,794
5. Textile Products (Except Clothing):						
Individual ownership	246	2,039	3,358,908	177,963	9,494,126	15,473,849
Partnerships	120	1,473	2,669,170	100,346	8,816,780	13,765,242
Incorporated companies	524	78,198	179,002,411	12,958,445	476,993,196	817,238,212
Co-operatives	2					
Totals	892	81,710	185,030,489	13,236,754	495,304,102	846,477,303
6. Clothing (Textile and Fur):						
Individual ownership	852	10,139	17,201,810	278,995	33,824,278	63,716,188
Partnerships	591	10,956	21,373,904	290,039	42,211,617	80,065,222
Incorporated companies	1,640	94,638	183,789,233	3,423,696	329,311,223	636,230,615
Totals	3,083	115,733	222,364,947	3,992,730	405,347,118	780,012,025
7. Wood Products:						
Individual ownership	7,344	26,816	38,745,405	2,924,196	88,883,229	164,764,560
Partnerships	2,359	13,494	21,729,324	1,474,097	46,191,102	88,112,255
Incorporated companies	2,241	90,573	221,776,524	8,817,535	473,842,001	896,882,715
Co-operatives	31	395	810,821	52,990	1,891,245	3,617,242
Totals	11,975	131,278	283,062,074	13,268,818	610,807,577	1,153,376,772
8. Paper-Products:						
Individual ownership	55	452	898,843	31,979	1,593,023	3,240,747
Partnerships	23	261	594,417	32,531	1,120,249	2,120,377
Incorporated companies	469	82,176	275,027,746	78,364,037	680,775,381	1,584,481,038
Totals	547	82,889	276,521,006	78,428,547	683,488,653	1,589,842,162
9. Printing, Publishing and Allied Industries:						
Individual ownership	1,240	5,525	10,565,468	437,810	7,051,547	23,897,648
Partnerships	431	3,031	6,314,843	187,680	4,469,307	14,365,331
Incorporated companies	983	50,777	143,830,932	3,064,214	120,797,425	371,814,114
Co-operatives	11	743	2,067,990	56,830	1,206,815	4,182,569
Not classifiable ¹	1,354	4,618	8,049,497	—	19,228,318	37,882,853
Totals	4,019	64,694	170,828,730	3,746,534	152,753,412	452,142,515
10. Iron and Steel Products:						
Individual ownership	624	4,153	8,795,323	474,709	7,999,188	22,472,731
Partnerships	358	3,688	8,399,011	367,015	8,110,470	22,922,853
Incorporated companies	1,452	175,482	530,120,281	51,908,096	844,455,852	1,859,254,546
Co-operatives	1					
Totals	2,435	183,323	547,314,615	52,749,820	860,565,510	1,904,650,130
11. Transportation Equipment:						
Individual ownership	194	835	1,527,536	76,689	1,574,629	4,084,418
Partnerships	84	601	1,320,392	51,289	1,305,393	3,389,683
Incorporated companies	321	121,081	365,258,505	13,858,656	867,298,772	1,534,115,727
Totals	599	122,517	368,106,433	13,986,634	870,178,794	1,541,589,828

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, 1951 - Concluded

Provinces and groups	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost of materials	Gross value of products
	No.	No.	\$	\$	\$	\$
12. Non-ferrous Metal Products:						
Individual ownership	152	1,079	2,153,227	98,534	2,458,718	6,089,160
Partnerships	71	714	1,511,535	58,350	1,932,441	4,337,489
Incorporated companies	313	48,321	147,068,942	49,412,685	793,021,604	1,243,172,519
Totals	536	50,114	150,733,704	49,569,569	797,412,763	1,253,599,168
13. Electrical Apparatus and Supplies:						
Individual ownership	46	436	814,568	24,135	1,136,066	2,619,774
Partnerships	26	370	771,344	24,571	1,399,966	2,743,433
Incorporated companies	301	66,820	193,163,126	5,796,074	314,025,275	670,645,752
Totals	373	67,626	194,749,038	5,844,780	316,561,307	676,008,959
14. Non-metallic Mineral Products:						
Individual ownership	346	1,743	3,318,677	379,301	3,292,048	9,299,754
Partnerships	179	1,273	2,665,268	485,274	2,696,901	7,931,705
Incorporated companies	517	28,506	80,095,027	29,650,293	103,022,752	317,643,939
Totals	1,042	31,522	86,078,972	30,514,868	109,011,701	334,875,398
15. Products of Petroleum and Coal:						
Individual ownership	2	8	16,722	890	39,560	73,789
Partnerships	1					
Incorporated companies	77	15,590	51,931,168	31,693,860	497,943,135	709,476,246
Co-operatives	2					
Totals	82	15,598	51,947,890	31,694,750	497,982,695	709,550,035
16. Chemicals and Allied Products:						
Individual ownership	164	524	972,218	64,489	1,635,199	3,632,836
Partnerships	59	218	427,413	27,413	901,587	1,871,071
Incorporated companies	810	44,750	129,421,325	25,364,907	362,080,223	767,824,944
Co-operatives	4	172	489,195	48,746	2,340,686	3,160,540
Totals	1,037	45,664	131,310,151	25,505,555	366,957,695	776,489,391
17. Miscellaneous Manufacturing Industries:						
Individual ownership	389	2,323	4,409,267	177,251	5,545,579	12,771,576
Partnerships	173	1,394	2,747,423	114,312	3,991,588	8,640,187
Incorporated companies	608	24,959	59,644,979	2,319,731	77,690,535	189,090,988
Co-operatives	3	80	107,086	1,300	64,713	301,804
Totals	1,173	28,756	66,908,755	2,612,594	87,292,415	210,804,555

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

Subsection 5. Leading Manufacturing Industries

In the following statement, the rank of the ten leading industries in 1951, from the standpoint of gross value of pro-

duction, is compared with their respective ranks in significant years since 1922.

Industry	Rank in						
	1951	1949	1944	1939	1933	1929	1922
Pulp and paper	1	1	5	2	1	1	2
Slaughtering and meat packing	2	2	1	3	3	2	3
Non-ferrous metal smelting and refining	3	3	2	1	2	9	1
Motor vehicles	4	4	7	5	11	4	6
Petroleum products	5	5	14	6	6	10	9
Sawmills	6	6	11	8	14	5	4
Primary iron and steel	7	8	13	11	31	16	20
Butter and cheese	8	7	10	4	5	6	5
Rubber goods, including footwear	9	15	15	14	4	11	21
Railway rolling-stock	10	9	16	16	23	7	24

1. Did not rank among the forty leading industries in 1922.

A prominent feature of Canadian manufacturing development during the past 25 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.

The incidence of the depression resulted in a rearrangement in 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 positions. Pulp and paper, after a lapse for a number of years, resumed its premier position.

With only two exceptions, the same industries which were in the lead in 1950 retained their rank amongst the first ten industries. The cotton yarn and cloth industry which was in ninth place in 1950 was replaced by the rubber goods industry, while railway rolling-stock rose to tenth place from sixteenth place in the previous year. In 1951 flour mills ranked eleventh and cotton yarn and cloth twelfth.

TABLE 20. Principal Statistics of the Forty Leading Industries of Canada, Ranked According to Gross Value of Products, 1950

No.	Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of materials	Net value of products	Gross value of products
		No.	No.	\$	\$	\$	\$
1	Pulp and paper	123	52,343	169,246,531	373,882,762	511,142,983	954,137,651
2	Slaughtering and meatpacking	157	20,522	54,532,037	645,353,830	107,701,364	757,043,355
3	Motor vehicles	19	29,355	94,414,819	388,496,630	284,785,098	675,867,467
4	Non-ferrous metal smelting and refining	17	19,863	58,748,362	428,697,787	202,711,781	669,882,806
5	Petroleum products	46	10,056	30,557,596	384,356,381	107,371,118	511,516,392
6	Sawmills	7,551	58,722	111,492,079	252,321,608	239,225,162	496,948,398
7	Primary iron and steel	55	29,051	85,411,927	159,282,919	154,542,373	340,540,042
8	Butter and cheese	1,806	21,022	41,951,621	250,017,648	74,353,823	330,709,143
9	Cotton yarn and cloth	51	26,967	55,220,043	157,835,813	95,309,562	257,383,892
10	Flour mills ¹	118	4,903	11,917,625	213,755,757	31,836,800	247,107,775
11	Rubber goods	61	21,812	54,262,864	101,773,382	134,061,761	239,184,510
12	Clothing, men's, factory	566	32,853	59,301,388	122,603,415	103,346,165	226,659,057
13	Motor vehicle parts	151	19,719	56,092,273	122,088,705	101,516,705	226,539,375
14	Bread and other bakery products	2,608	31,149	60,073,998	109,213,199	98,412,581	214,586,981
15	Clothing, women's, factory ¹	914	28,981	55,864,122	102,712,875	91,419,056	194,636,469
16	Railway rolling stock	38	29,257	73,356,659	110,373,110	79,756,161	194,286,237
17	Machinery, heavy electrical ¹	49	20,825	57,380,065	73,966,855	112,101,686	187,758,282
18	Printing and publishing	787	26,743	68,951,989	50,628,704	129,018,312	181,361,391
19	Foods, miscellaneous n.e.s.	299	7,129	14,198,293	132,139,535	46,505,787	179,607,764
20	Furniture	1,207	27,259	57,111,744	79,803,630	90,624,200	172,331,144
21	Sheet metal products	283	17,049	42,630,287	92,352,260	77,559,028	171,946,702
22	Miscellaneous electric apparatus and sup- plies, n.e.s. ¹	145	19,246	49,507,238	74,308,638	94,667,534	170,735,391
23	Fruit and vegetable preparations	444	14,893	24,561,151	94,443,794	64,278,160	161,091,734
24	Sash, door and planing mills	1,590	19,128	36,924,630	96,907,258	61,711,765	160,719,698
25	Machinery, industrial ¹	303	19,389	51,447,438	55,504,674	102,901,482	160,391,298
26	Feeds, stock and poultry, prepared	568	5,191	10,645,384	128,513,344	25,089,531	155,324,874
27	Agricultural implements	86	16,223	43,284,686	79,123,750	68,356,009	149,500,240
28	Breweries	63	8,311	23,888,605	42,018,271	105,073,118	149,409,487
29	Synthetic textiles and silk	47	17,955	40,111,600	55,518,508	87,763,220	147,047,995
30	Sugar refining	12	3,919	9,535,834	109,713,103	31,939,788	144,872,567
31	Castings, iron	218	17,567	47,718,307	60,200,601	78,528,361	142,361,845
32	Boxes and bags, paper	177	13,302	28,551,880	83,841,035	55,813,164	140,656,880
33	Printing and bookbinding	1,533	22,385	51,452,604	48,228,108	84,863,318	134,277,139
34	Fish processing ²	591	11,842	18,722,240	79,959,218	46,691,639	128,423,853
35	Brass and copper products	155	8,932	22,893,180	82,380,983	42,010,862	126,200,549
36	Tobacco, cigars and cigarettes	53	8,503	19,511,951	62,681,958	59,383,685	122,429,151
37	Refrigerators, vacuum cleaners and appliances	95	9,518	22,843,556	59,570,593	60,470,530	120,929,701
38	Miscellaneous paper goods	204	9,365	21,349,335	63,929,898	50,042,383	114,990,880
39	Footwear, leather	292	20,785	34,710,042	59,684,259	50,717,873	110,968,680
40	Confectionery	207	10,854	18,451,058	54,520,295	49,223,151	104,853,748
	Total, leading industries²	23,689	792,888	1,888,827,041	5,742,705,093	4,092,827,079	10,075,220,543
	Total, all industries²	35,942	1,183,297	2,771,267,435	7,538,534,532	5,942,058,229	13,817,526,381
	Percentage of leading industries to all indus- tries	65.9	67.0	68.2	76.1	69.0	72.9

1. Not comparable with years prior to 1949.

2. Exclusive of fish processing in Newfoundland.

TABLE 21. Principal Statistics of the Forty Leading Industries of Canada, Ranked According to Gross Value of Products, 1951

No.	Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of materials	Net value of products	Gross value of products
		No.	No.	\$	\$	\$	\$
1	Pulp and paper.....	126	57,291	213,169,906	483,014,009	679,257,743	1,237,897,470
2	Slaughtering and meat-packing.....	155	20,914	62,108,875	767,366,797	120,488,594	892,090,641
3	Non-ferrous metal smelting and refining.....	17	22,814	75,474,505	553,658,940	262,972,790	861,315,930
4	Motor vehicles	19	30,479	101,342,774	469,114,484	271,113,834	742,895,888
5	Petroleum products	52	10,611	37,078,626	438,467,139	135,902,522	598,940,516
6	Sawmills	7,934	62,415	132,058,607	313,174,713	271,865,508	591,551,749
7	Primary iron and steel.....	57	33,393	108,561,802	223,011,814	209,472,365	464,587,486
8	Butter and cheese	1,690	20,900	46,781,550	284,602,975	82,416,262	373,745,860
9	Rubber goods, including footwear	67	23,054	64,357,696	146,951,650	161,184,980	311,678,489
10	Railway rolling stock	37	33,410	94,028,834	175,964,789	119,895,329	300,627,241
11	Flour mills ¹	108	4,864	13,596,597	242,132,072	37,078,324	280,866,778
12	Cotton yarn and cloth	54	27,632	58,734,833	172,443,466	97,158,451	273,651,120
13	Motor vehicle parts	161	21,197	65,283,163	142,840,935	117,021,089	263,133,094
14	Miscellaneous food preparations, n.e.s. ²	328	9,194	20,965,126	192,185,529	65,324,778	260,430,714
15	Bread and other bakery products.....	2,607	32,252	67,115,919	121,376,693	116,352,428	245,288,370
16	Clothing, men's, factory.....	577	32,732	62,316,166	131,612,306	106,308,266	238,661,331
17	Machinery, heavy electrical ¹	50	25,296	75,598,912	96,604,451	123,141,325	221,569,105
18	Electrical apparatus and supplies, n.e.s. ¹	141	21,257	60,690,091	100,024,712	119,119,884	221,081,792
19	Machinery, industrial ¹	300	22,326	67,286,913	79,106,152	120,611,361	201,990,057
20	Fruit and vegetable preparations.....	459	16,401	30,107,576	116,052,675	81,999,840	200,779,150
21	Clothing, women's, factory ¹	912	28,688	56,764,282	102,135,519	95,097,888	197,750,934
22	Sheet metal products.....	277	17,437	49,037,352	108,335,172	86,629,030	197,114,226
23	Printing and publishing.....	801	27,300	76,241,565	56,975,903	137,862,920	196,717,896
24	Furniture.....	1,430	27,274	61,429,275	90,323,522	98,474,043	190,907,429
25	Brass and copper products.....	153	10,077	29,318,076	121,703,878	56,176,303	179,997,887
26	Sash, door and planing mills	1,698	19,357	40,460,680	109,505,507	66,936,399	178,765,263
27	Foods, stock and poultry, prepared.....	648	5,505	12,179,857	144,617,180	27,953,403	174,509,795
28	Boxes and bags, paper	187	13,384	32,235,169	102,219,244	68,939,995	172,230,166
29	Agricultural implements	81	17,236	52,217,430	96,469,032	72,719,250	171,172,496
30	Synthetic textiles and silk.....	46	17,997	44,693,738	66,040,725	96,477,461	166,549,897
31	Castings, iron.....	205	17,462	52,128,413	75,003,538	86,683,461	165,174,661
32	Fish processing ³	633	14,911	24,744,189	101,621,086	58,665,035	163,010,208
33	Breweries	63	8,449	27,489,309	45,905,901	112,741,266	161,159,033
34	Printing and bookbinding	1,623	23,213	57,218,345	55,113,171	93,607,704	150,031,501
35	Sugar refining	12	3,562	10,272,939	107,540,497	28,728,247	139,109,277
36	Miscellaneous paper goods.....	208	9,881	24,902,102	78,430,923	58,302,757	137,835,320
37	Miscellaneous chemical products, n.e.s.	219	9,737	26,971,513	61,653,707	62,937,026	131,543,294
38	Footwear, leather.....	290	19,999	35,847,436	67,338,736	52,010,174	119,905,782
39	Acids alkalies and salts.....	29	7,371	24,579,398	39,238,794	67,456,301	117,822,758
40	Aircraft and parts.....	23	19,198	59,558,317	36,291,613	79,403,570	117,188,078
	Total, leading industries⁴	24,477	846,470	2,254,947,856	6,916,169,949	4,806,487,906	12,011,278,682
	Total, all industries⁴	37,021	1,258,375	3,276,280,917	9,074,526,353	6,940,946,783	16,392,187,132
	Percentage of leading industries to all in- dustries	66.1	67.3	68.8	76.2	69.2	73.3

1. Not comparable with years prior to 1949.

2. Not comparable with previous years.

3. Newfoundland included therefore not comparable with previous years.

4. Includes fish processing in Newfoundland.

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 Employed

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 expenditure statistics on fixed capital, repairs and maintenance. Although it is now impossible to calculate the total investment in both the fixed and current assets in manufacturing, it is still possible to calculate the investment in fixed assets. By starting with the total investment in 1943 and adding the expenditures to date and then deducting the effective rate of depreciation as given in the annual report on Taxation Statistics, issued by the Department of National Revenue, an estimate of the investment in fixed assets is thus obtained.

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.

The capital investment in 1943 in all establishments, irrespective of the number of employees, but exclusive of central electric stations, was \$6,317,000,000 as compared with \$2,234,000,000 in 1917, an increase of 171 p.c., while wholesale prices declined about 13 p. c. in the same period.

Estimated Investment in Fixed Capital (Land, Buildings and Equipment), 1939-51

Year	Additions ²	Cumulative total at end of year	Effective rate of depreciation ¹	Amount of depreciation	Cumulative depreciation	Balance at end of year	Average investment per employee
	\$'000,000	\$'000,000	p.c.	\$'000,000	\$'000,000	\$'000,000	\$
1939	—	—	—	—	—	2,168.9	3,296
1943	—	—	—	—	—	3,002.9	2,420
1944	211.4	3,214.3	5.6	180.0	180.0	3,034.3	2,481
1945	280.1	3,494.4	3.6	125.8	305.8	3,188.6	2,849
1946	337.2	3,831.6	3.5	134.1	439.9	3,391.7	3,205
1947	527.9	4,359.5	4.5	196.2	636.1	3,723.4	3,290
1948	579.0	4,938.5	5.0	246.9	883.0	4,055.5	3,509
1949	535.8	5,474.3	6.0	328.5	1,211.5	4,262.8	3,640
1950	502.5	5,976.8	6.2	370.6	1,582.1	4,394.7	3,714
1951	792.6	6,769.4	6.3	426.5	2,008.6	4,760.8	3,783

1. Taken from the annual report on Taxation Statistics, issued by the Department of National Revenue.
2. Does not include the value of land.

Between 1939 and 1943 there was a drop of \$876 in the value of fixed assets per employee. This decline was due to two factors: (1) a decline in the replacement and additions to buildings and equipment, resulting from the restrictions made necessary by the war effort; and (2) an increase in the number of shifts worked which increased the number of employees without a corresponding increase in equipment. After the end of the war investment in fixed assets became increasingly rapid. Old plants were modernized and new plants built to take care of the expanded home market resulting from an increased population and higher purchasing power. The net result in this development was an increase of \$487 in the value of buildings and equipment per employee between 1939 and 1951.

Capital expenditures by manufacturers in 1951 totalled \$267,600,000 for construction and \$525,000,000 for machinery and equipment, while \$422,000,000 went for repairs and maintenance. Of the total capital expenditure amounting to \$792,600,000 in 1951, 15.8 p.c. was reported by the paper products group of industries, 12.3 p.c. by the iron and steel group, 7.4 p.c. by petroleum and coal, 7.3 p.c. by chemical products, 6.2 p.c. by transportation equipment, 6.1 p.c. by non-ferrous metal products, 4.9 p.c. by textiles (except clothing), 4.8 p.c. by wood products, 4.0 p.c. by electrical apparatus and supplies, etc.

TABLE 22. Capital, Repair and Maintenance Expenditures by the Manufacturing Industries, by Provinces and Industrial Groups, 1951, with Totals for 1944-50

Group and year	Capital expenditures			Repairs and maintenance 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
Provinces, 1951						
Newfoundland	3.4	6.4	9.8	1.2	4.2	5.4
Prince Edward Island	0.2	0.2	0.4	0.1	0.2	0.3
Nova Scotia	1.8	10.6	12.4	5.0	6.4	11.4
New Brunswick	4.2	13.3	17.5	1.7	7.8	9.5
Quebec	54.7	143.8	198.5	21.3	96.6	117.9
Ontario	137.8	257.4	395.2	39.4	170.4	209.8
Manitoba	7.9	9.7	17.6	2.5	7.5	10.0
Saskatchewan	3.7	9.5	13.2	1.2	2.4	3.6
Alberta	12.7	23.9	36.6	2.7	5.8	8.5
British Columbia	41.2	50.2	91.4	9.9	35.7	45.6
Total, 1951	267.6	525.0	792.6	85.0	337.0	422.0
Industrial groups, 1951						
Foods and beverages	28.0	51.1	79.1	11.8	34.3	46.1
Tobacco and tobacco products	0.5	1.7	2.2	0.4	1.3	1.7
Rubber products	2.0	5.9	7.9	0.9	5.5	6.4
Leather products	0.9	1.9	2.8	0.6	2.1	2.7
Textile products (except clothing)	9.9	29.2	39.1	4.0	16.7	20.7
Clothing (textile and fur)	4.1	9.1	13.2	1.4	4.7	6.1
Wood products	11.2	27.4	38.6	7.7	24.5	32.2
Paper products	41.7	83.2	124.9	9.7	69.0	78.7
Printing, publishing and allied trades	6.3	18.0	24.3	1.7	4.6	6.3
Iron and steel products	47.1	50.1	97.2	13.0	58.9	71.9
Transportation equipment	21.8	27.1	48.9	6.9	21.5	28.4
Non-ferrous metal products	22.4	26.0	48.4	6.9	30.3	37.2
Electrical apparatus and supplies	16.3	15.6	31.9	2.2	11.4	13.6
Non-metallic mineral products	11.5	18.9	30.4	4.7	15.6	20.3
Products of petroleum and coal	21.7	37.3	59.0	8.3	8.8	17.1
Chemical products	19.2	38.5	57.7	4.0	24.8	28.8
Miscellaneous industries	3.0	4.4	7.4	0.8	3.0	3.8
Capital items charged to operating expense	—	79.6	79.6	—	—	—

TABLE 23. Capital, Repair and Maintenance Expenditures by the Manufacturing Industries, by Industrial Groups, 1944-51

Group and year	Capital expenditures			Repairs and maintenance expenditures		
	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
\$'000,000						
Foods and beverages:						
1944	10.7	11.4	22.1	8.5	21.2	29.7
1945	18.2	16.2	34.4	11.6	19.8	31.4
1946	24.7	28.4	53.1	12.3	20.5	32.8
1947	33.0	49.8	82.8	10.8	25.7	36.5
1948	31.9	56.5	88.4	13.2	28.6	41.8
1949	27.7	60.8	88.5	10.4	30.7	41.1
1950	26.0	49.2	75.2	10.0	31.6	41.6
1951	28.0	51.1	79.1	11.8	34.3	46.1
Tobacco and tobacco products:						
1944	—	—	—	—	—	—
1945	—	—	—	—	—	—
1946	1.2	0.9	2.1	0.5	0.6	1.1
1947	1.0	2.1	3.1	0.5	1.0	1.5
1948	0.8	1.9	2.7	0.5	1.3	1.8
1949	0.3	2.0	2.3	0.4	1.3	1.7
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

1. Figures not compiled separately; they are, however, included in the total.

TABLE 23. Capital, Repair and Maintenance Expenditures by the Manufacturing Industries, by Industrial Groups, 1944-51 - Continued

Group and year	Capital expenditures			Repairs and maintenance expenditures		
	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
\$'000,000						
Rubber products (including footwear):						
1944 ¹	—	—	—	—	—	—
1945 ¹	—	—	—	—	—	—
1946	3.9	3.6	7.5	1.1	3.7	4.8
1947	2.4	7.8	10.2	1.3	6.1	7.4
1948	1.5	4.5	6.0	0.9	4.6	5.5
1949	1.7	5.6	7.3	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
Leather products:						
1944 ¹	—	—	—	—	—	—
1945 ¹	—	—	—	—	—	—
1946	1.6	1.6	3.2	1.1	2.4	3.5
1947	1.2	2.0	3.2	0.9	2.9	3.8
1948	1.2	2.2	3.4	1.0	2.6	3.6
1949	0.6	2.5	3.1	0.7	2.2	2.9
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
Textile products (except clothing):						
1944	1.8	4.9	6.7	2.8	7.6	10.4
1945	1.3	7.7	9.0	2.9	8.5	11.4
1946	8.4	16.2	24.6	3.3	10.2	13.5
1947	10.9	25.7	36.6	2.8	12.2	15.0
1948	6.5	29.1	35.6	3.9	14.2	18.1
1949	7.0	29.9	36.9	3.6	14.9	18.5
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
Clothing (textile and fur):						
1944	2.8	1.1	3.9	3.8	3.3	7.1
1945	9.2	4.4	13.6	2.1	3.1	5.2
1946	2.6	5.8	8.4	2.2	3.8	6.0
1947	3.7	10.3	14.0	1.9	4.7	6.6
1948	2.1	10.2	12.3	2.2	4.8	7.0
1949	3.0	12.7	15.7	1.9	4.9	6.8
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
Wood products:						
1944	2.9	2.4	5.3	4.6	13.5	18.1
1945	1.6	3.6	5.2	5.3	15.2	20.5
1946	10.9	9.5	20.4	5.7	12.2	17.9
1947	11.4	20.7	32.1	6.5	15.6	22.1
1948	7.9	18.5	26.4	7.1	18.9	26.0
1949	7.5	22.9	30.4	5.7	18.2	23.9
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
Paper products:						
1944	8.0	6.7	14.7	1.9	32.3	34.2
1945	5.8	10.8	16.6	1.9	34.7	36.6
1946	27.2	27.8	55.0	5.3	28.4	33.7
1947	31.2	49.8	81.0	6.4	37.3	43.7
1948	29.1	60.4	89.5	7.0	47.3	54.3
1949	26.8	65.2	92.0	8.7	51.1	59.8
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
Printing, publishing and allied trades:						
1944	0.2	2.2	2.4	0.6	3.9	4.5
1945	3.9	2.1	6.0	0.8	5.1	5.9
1946	2.9	4.4	7.3	1.3	2.4	3.7
1947	5.4	8.4	13.8	1.6	3.2	4.8
1948	7.0	12.4	19.4	1.6	3.9	5.5
1949	6.3	16.4	22.7	1.4	3.9	5.3
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
Iron and steel products:						
1944	10.1	22.2	32.3	6.5	26.2	32.7
1945	12.8	18.5	31.3	7.7	24.6	32.3
1946	14.9	22.0	36.9	8.4	22.8	31.2
1947	16.0	38.9	54.9	10.1	32.4	42.5
1948	19.6	36.7	56.3	12.0	38.4	50.4
1949	14.6	44.9	59.5	12.4	38.9	51.3
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
Transportation equipment:						
1944	1.6	4.7	6.3	11.0	20.8	31.8
1945	2.2	8.6	10.8	8.1	17.2	25.3
1946	5.4	10.3	15.7	3.7	14.4	18.1
1947	5.2	8.9	14.1	3.1	14.2	17.3
1948	5.4	10.0	15.4	5.3	16.8	22.1
1949	6.7	18.2	24.9	5.3	20.2	25.5
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

1. Figures not compiled separately; they are, however, included in the total.

TABLE 23. Capital, Repair and Maintenance Expenditures by the Manufacturing Industries, by Industrial Groups, 1944-51 — Concluded

Group and year	Capital expenditures			Repair and maintenance expenditures		
	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
	\$'000,000					
Non-ferrous metal products:						
1944	6.4	2.4	8.8	5.0	15.3	20.3
1945	0.7	3.5	4.2	3.8	12.7	16.5
1946	2.3	5.3	7.6	3.1	12.2	15.3
1947	6.7	9.4	16.1	4.7	16.4	21.1
1948	8.9	16.8	25.7	7.8	25.9	33.7
1949	10.4	22.0	32.4	4.4	22.3	26.7
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
Electrical apparatus and supplies:						
1944 ¹	—	—	—	—	—	—
1945 ¹	—	—	—	—	—	—
1946	3.0	8.7	11.7	1.2	5.0	6.2
1947	5.3	9.7	15.0	2.0	7.1	9.1
1948	4.8	11.9	16.7	2.2	8.7	10.9
1949	4.8	14.1	18.9	2.0	9.4	11.4
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
Non-metallic mineral products:						
1944	1.4	1.2	2.6	0.8	6.5	7.3
1945	3.1	2.1	5.2	0.8	7.0	7.8
1946	3.5	4.2	7.7	1.4	8.4	9.8
1947	11.3	10.6	21.9	1.6	9.9	11.5
1948	11.1	17.0	28.1	2.3	13.3	15.6
1949	6.9	15.2	22.1	1.5	14.3	15.8
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
Products of petroleum and coal:						
1944 ¹	—	—	—	—	—	—
1945 ¹	—	—	—	—	—	—
1946	5.2	4.6	9.8	2.4	5.2	7.6
1947	23.3	10.4	33.7	3.4	7.8	11.2
1948	29.3	13.4	42.7	6.6	6.3	12.9
1949	18.1	11.6	29.7	3.0	11.0	14.0
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
Chemical products:						
1944	1.4	1.6	3.0	3.7	8.1	11.8
1945	4.0	3.6	7.6	4.2	7.2	11.4
1946	11.6	8.0	19.6	2.9	10.3	13.2
1947	14.4	19.3	33.7	4.0	12.5	16.5
1948	15.0	26.9	41.9	4.3	15.8	20.1
1949	11.9	30.9	42.8	3.9	17.3	21.2
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
Miscellaneous industries:						
1944 ²	1.3	81.4 ²	82.7	1.0	1.9	2.9
1945 ²	1.7	110.7 ²	112.4	1.0	1.9	2.9
1946	2.9	43.7	46.6	0.9	1.8	2.7
1947	2.3	59.4	61.7	0.8	1.7	2.5
1948	2.7	65.8	68.5	1.0	2.5	3.5
1949	2.3	4.3	6.6	0.8	2.2	3.0
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

1. Figures not compiled separately; they are, however, included in the total.

2. Includes allowance for capital items charged to operating expense of \$18,000,000 in 1944 and \$23,900,000 in 1945.

Subsection 2. 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 wage-earners were on the payrolls, was surpassed in September, 1937, with 582,305 wage-earners. After the outbreak of war the improvement in employment became increasingly rapid. A record high was reached in August, 1943, when 1,067,890 wage-earners 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 wage-earners were employed. From then on employment declined steadily to the end of 1945 when 819,619 wage-earners were reported. At the end of 1951 there were 953,952 wage-earners employed, compared with an employment of 961,820 wage-earners in December, 1944, and 1,021,630 in December 1943.

TABLE 24. Wage-earners Employed in the Manufacturing Industries, by Months and Sex, Significant Years, 1922-51

Month	1922	1929	1933	1939	1943	1949	1950	1951
All wage-earners								
January	324,257	502,644	340,027	490,337	1,023,261	928,077	894,928	972,027
February	336,729	519,423	347,777	496,160	1,030,878	932,356	903,560	985,723
March	349,110	536,866	355,888	503,475	1,036,648	937,714	911,789	1,002,314
April	360,248	555,711	358,759	509,739	1,033,748	944,307	918,665	1,011,862
May	382,504	574,905	377,659	530,864	983,058	961,137	946,716	1,032,381
June	393,935	575,693	392,196	531,245	1,058,645	973,324	968,616	1,047,550
July	391,186	573,554	393,464	529,575	1,056,975	964,813	973,640	1,044,626
August	389,511	567,022	402,249	543,605	1,067,890	975,114	979,105	1,036,207
September	392,423	564,796	410,954	562,355	1,066,595	970,324	997,603	1,033,835
October	385,262	553,338	405,757	568,564	1,053,486	951,017	987,667	1,009,293
November	378,992	527,213	396,384	563,117	1,049,738	934,576	976,936	988,993
December	367,724	499,893	380,612	544,817	1,021,630	906,851	952,529	953,952
Male								
January	243,682	397,459	257,445	381,997	751,269	716,005	689,306	755,384
February	253,178	410,865	260,728	385,955	755,181	719,374	695,759	765,244
March	263,849	426,713	267,259	391,623	757,702	725,953	702,670	779,730
April	274,821	443,560	271,348	398,982	755,888	732,906	710,732	790,824
May	294,095	459,783	285,705	416,963	764,158	747,614	737,394	810,805
June	304,395	460,294	296,937	417,975	776,003	757,575	755,694	826,163
July	304,020	459,051	300,329	417,987	779,687	750,579	761,118	825,116
August	301,234	449,721	302,969	421,895	777,733	747,518	756,616	811,212
September	298,918	441,510	304,908	431,509	767,043	739,768	765,769	805,928
October	291,973	432,576	301,315	437,220	754,484	725,853	759,406	792,368
November	286,511	412,114	294,945	432,920	753,211	715,188	751,899	779,262
December	277,854	391,903	285,690	422,538	738,073	700,141	740,715	760,289
Female								
January	80,575	105,185	82,582	108,340	271,992	212,072	205,622	216,643
February	83,551	108,558	87,049	110,205	275,697	212,982	207,801	220,479
March	85,261	110,153	88,629	111,852	278,946	211,761	209,119	222,584
April	85,427	112,142	87,411	110,757	277,860	211,401	207,933	221,038
May	88,409	115,122	91,954	113,901	218,900	213,523	209,322	221,576
June	89,540	115,399	95,259	113,270	282,642	215,749	212,922	221,387
July	87,166	114,503	93,135	111,588	277,288	214,234	212,522	219,510
August	88,277	117,301	99,280	121,710	290,157	227,596	222,489	224,995
September	93,505	123,286	106,046	130,846	299,552	230,556	231,834	227,907
October	93,289	120,762	104,442	131,344	209,002	225,164	228,261	216,925
November	92,481	115,099	101,439	130,197	296,527	219,388	225,037	209,731
December	89,870	107,990	94,922	122,279	283,557	206,710	211,814	193,663

TABLE 25. Wage-earners Employed in the Manufacturing Industries, by Months, Sex and Provinces, 1950 and 1951

Province and Month	1951			1950		
	Male	Female	Total	Male	Female	Total
Newfoundland ¹ :						
January	5,565	985	6,550	3,337	632	3,969
February	5,698	1,079	6,777	3,513	637	4,150
March	5,878	1,088	6,966	3,622	663	4,285
April	6,517	1,094	7,611	3,956	712	4,668
May	6,757	1,115	7,872	4,322	733	5,055
June	7,368	1,230	8,598	4,669	766	5,435
July	7,280	1,274	8,554	4,593	777	5,370
August	7,294	1,288	8,582	4,708	800	5,508
September	7,128	1,227	8,355	4,532	829	5,361
October	6,846	1,236	8,082	4,495	790	5,285
November	6,409	1,122	7,531	4,195	825	5,020
December	6,101	886	6,987	3,845	782	4,627
Prince Edward Island:						
January	610	152	762	655	244	899
February	622	199	821	660	158	818
March	677	169	846	699	157	856
April	951	205	1,156	875	221	1,096
May	1,380	807	2,187	1,364	765	2,129
June	1,271	746	2,017	1,257	696	1,953
July	980	484	1,464	944	468	1,412
August	1,037	525	1,562	1,110	596	1,706
September	937	379	1,316	1,050	542	1,592
October	876	339	1,215	941	316	1,257
November	802	251	1,053	873	259	1,132
December	743	244	987	786	275	1,061

1. Figures for 1951 include fish processing.

TABLE 25. Wage-earners Employed in the Manufacturing Industries, by Months, Sex and Provinces, 1950 and 1951 - Continued

Province and Month	1951			1950		
	Male	Female	Total	Male	Female	Total
	number					
Nova Scotia:	19,639	3,093	22,732	18,647	3,246	21,893
January	20,072	2,953	23,025	18,806	2,928	21,734
February	21,067	2,739	23,806	19,076	2,920	21,996
March	21,831	2,891	24,722	19,646	3,029	22,675
April	23,806	3,574	27,380	21,366	3,751	25,117
May	24,635	3,863	28,498	22,087	3,815	25,902
June	24,736	3,723	28,459	22,035	3,667	25,702
July	24,076	3,784	27,860	21,634	3,685	25,319
August	23,057	3,611	26,668	20,913	3,770	24,683
September	22,856	3,689	26,545	21,183	3,705	24,888
October	22,283	3,679	25,962	20,846	3,709	24,555
November	21,586	3,181	24,767	20,375	3,461	23,836
December						
New Brunswick:						
January	15,738	2,821	18,559	14,425	3,006	17,431
February	15,887	2,708	18,595	14,828	2,926	17,754
March	16,609	3,055	19,664	15,714	2,846	18,560
April	16,865	2,935	19,800	15,841	2,810	18,651
May	18,448	3,981	22,429	17,990	4,159	22,149
June	19,191	4,380	23,571	18,848	4,783	23,631
July	18,869	4,118	22,987	18,636	4,474	23,110
August	18,937	4,664	23,601	18,297	4,837	23,134
September	18,105	4,283	22,388	17,822	4,312	22,134
October	17,477	4,022	21,499	16,640	3,794	20,434
November	16,354	3,687	20,041	15,571	3,284	18,855
December	15,448	3,114	18,562	15,119	2,990	18,109
Quebec:						
January	229,243	93,726	322,969	211,851	88,415	300,266
February	232,587	95,830	328,417	213,306	90,039	303,345
March	237,080	96,670	333,750	214,654	90,840	305,494
April	244,067	96,089	340,156	219,338	89,565	308,903
May	253,122	94,357	347,479	226,848	88,640	315,488
June	257,349	91,501	348,850	232,006	87,085	319,091
July	256,553	89,740	346,293	233,018	86,876	319,894
August	255,947	92,246	348,193	233,846	91,576	325,422
September	251,107	92,932	344,039	233,647	95,029	328,676
October	246,991	90,653	337,644	230,716	94,862	325,578
November	243,101	88,529	331,630	226,860	93,936	320,796
December	237,571	83,705	321,276	223,443	89,998	313,441
Ontario:						
January	369,571	97,232	466,803	236,309	92,352	328,661
February	373,578	98,681	472,259	237,876	93,070	330,946
March	378,926	99,592	478,518	238,243	93,291	331,534
April	382,750	98,330	481,080	241,575	92,883	334,458
May	386,651	97,742	484,393	253,303	92,271	345,574
June	391,935	98,058	489,993	260,973	94,695	355,668
July	390,616	96,807	487,423	263,343	93,171	356,514
August	379,286	98,740	478,026	258,445	97,700	356,145
September	382,902	102,443	485,345	269,987	104,826	374,813
October	375,134	95,423	470,557	269,051	103,274	372,325
November	369,881	92,390	462,271	268,171	102,478	370,649
December	361,196	84,798	445,994	264,575	96,056	360,631
Manitoba:						
January	25,119	7,609	32,728	25,029	7,530	32,559
February	25,293	7,612	32,905	25,164	7,619	32,783
March	25,457	7,585	33,042	25,356	7,589	32,945
April	25,641	7,605	33,246	25,206	7,575	32,781
May	26,132	7,625	33,757	25,101	7,145	32,246
June	26,587	7,650	34,237	25,709	7,525	33,234
July	26,733	8,004	34,737	25,931	7,686	33,617
August	26,465	7,870	34,335	25,977	7,766	33,743
September	26,398	7,888	34,286	26,092	8,025	34,117
October	26,162	7,761	33,923	25,924	8,210	34,134
November	26,026	7,724	33,750	25,861	7,833	33,694
December	25,604	7,045	32,649	25,518	7,393	32,911
Saskatchewan:						
January	6,901	854	7,755	6,375	875	7,250
February	7,202	876	8,078	6,524	899	7,423
March	7,371	882	8,253	6,681	912	7,593
April	7,255	925	8,180	6,718	940	7,658
May	7,278	1,021	8,299	6,829	1,013	7,842
June	7,413	1,079	8,492	6,993	1,069	8,062
July	7,528	1,072	8,600	7,068	1,060	8,128
August	7,289	1,038	8,327	6,918	1,008	7,926
September	6,911	984	7,895	6,692	980	7,672
October	6,999	986	7,985	6,542	941	7,483
November	7,017	990	8,007	6,563	905	7,468
December	6,989	939	7,928	6,402	877	7,279

TABLE 25. Wage-earners Employed in the Manufacturing Industries, by Months, Sex and Provinces, 1950 and 1951 - Concluded

Province and Month	1951			1950		
	Male	Female	Total	Male	Female	Total
	number					
Alberta:						
January	20,501	2,817	23,318	18,754	2,710	21,464
February	20,692	2,813	23,505	18,677	2,660	21,337
March	20,848	2,908	23,756	19,093	2,740	21,833
April	17,989	2,956	20,945	16,928	2,787	19,715
May	18,270	3,000	21,270	16,795	2,871	19,666
June	18,786	3,204	21,990	17,398	2,994	20,392
July	19,333	3,331	22,664	17,884	3,416	21,300
August	19,192	3,453	22,645	17,616	3,368	20,984
September	18,686	3,275	21,961	17,481	3,136	20,617
October	19,570	3,110	22,680	17,886	2,976	20,862
November	20,562	3,135	23,697	18,836	2,944	21,780
December	21,080	3,045	24,125	19,315	2,811	22,126
British Columbia:						
January	62,437	7,344	69,781	53,897	6,603	60,500
February	63,535	7,714	71,249	56,378	6,856	63,234
March	65,714	7,882	73,596	59,456	7,147	66,603
April	66,842	7,994	74,836	60,593	7,395	67,988
May	68,846	8,341	77,187	63,376	7,958	71,334
June	71,502	9,662	81,164	65,649	9,477	75,126
July	72,353	10,941	83,294	67,562	10,908	78,470
August	71,554	11,371	82,925	67,962	11,135	79,097
September	70,571	10,871	81,442	67,447	10,369	77,816
October	69,364	9,691	79,055	65,963	9,378	75,341
November	66,756	8,215	74,971	64,091	8,853	72,944
December	63,900	6,698	70,598	61,313	7,161	68,474
Yukon and Northwest Territories:						
January	60	10	70	27	9	36
February	78	14	92	27	9	36
March	103	14	117	46	14	60
April	116	14	130	56	16	72
May	115	13	128	100	16	116
June	126	14	140	105	17	122
July	135	16	151	104	19	123
August	135	16	151	103	18	121
September	126	14	140	106	16	122
October	93	15	108	65	15	80
November	71	9	80	32	11	43
December	71	8	79	24	10	34

TABLE 26. Wage-earners Employed in the Manufacturing Industries, by Months, Sex and Industrial Groups, 1950 and 1951

Group and Month	1951			1950		
	Male	Female	Total	Male	Female	Total
	number					
Foods and beverages:						
January	93,426	27,429	120,855	90,335	26,793	117,128
February	92,306	27,963	120,269	89,395	26,722	116,117
March	92,970	28,085	121,055	89,886	27,325	117,211
April	96,611	27,977	124,588	93,898	28,422	122,320
May	102,653	32,455	135,108	100,740	32,677	133,417
June	109,587	37,373	146,960	107,003	37,438	144,441
July	114,645	40,457	155,102	110,750	39,125	149,875
August	112,931	45,227	158,158	109,525	42,531	152,056
September	113,120	48,538	161,658	109,424	45,779	155,203
October	106,968	40,305	147,273	104,583	38,497	143,080
November	102,614	36,260	138,874	100,503	34,734	135,237
December	96,737	28,700	125,437	94,713	27,792	122,505
Tobacco and tobacco products:						
January	4,246	6,011	10,257	4,373	6,196	10,569
February	4,270	5,995	10,265	4,184	6,238	10,422
March	3,334	5,416	8,750	3,592	6,015	9,607
April	2,879	4,678	7,557	2,947	5,242	8,189
May	2,848	4,701	7,549	2,882	5,204	8,086
June	2,879	4,618	7,497	2,880	5,177	8,057
July	2,876	4,629	7,505	2,884	5,181	8,065
August	2,882	4,605	7,487	2,898	5,185	8,083
September	2,951	4,600	7,551	3,024	5,206	8,230
October	2,890	4,587	7,477	2,947	5,181	8,128
November	3,762	5,221	8,983	3,340	5,161	8,501
December	3,932	5,284	9,216	4,001	5,851	9,852

TABLE 26. Wage-Earners Employed in the Manufacturing Industries, by Months, Sex and Industrial Groups, 1950 and 1951 - Continued

Group and Month	1951			1950		
	Male	Female	Total	Male	Female	Total
	Number					
Rubber products:						
January	13,755	4,492	18,247	12,304	4,149	16,453
February	14,033	4,673	18,706	12,289	4,149	16,438
March	14,136	4,546	18,682	12,134	4,128	16,262
April	14,261	4,407	18,668	12,058	4,106	16,164
May	14,322	4,343	18,665	12,194	4,103	16,297
June	14,135	4,130	18,265	12,541	4,119	16,660
July	14,067	4,224	18,291	12,717	4,106	16,823
August	13,718	4,197	17,915	13,043	4,272	17,315
September	13,149	4,067	17,216	13,323	4,496	17,819
October	12,711	3,864	16,575	13,574	4,714	18,288
November	12,409	3,640	16,049	13,552	4,755	18,307
December	12,313	3,580	15,893	13,515	4,477	17,992
Leather products:						
January	17,431	12,026	29,457	17,258	11,994	29,252
February	17,656	12,453	30,109	17,546	12,408	29,954
March	17,704	12,501	30,205	17,552	12,346	29,898
April	17,240	12,114	29,354	17,170	11,886	29,056
May	16,382	11,429	27,811	16,483	11,172	27,655
June	15,698	11,214	26,912	16,159	11,145	27,304
July	15,353	11,147	26,500	16,495	11,442	27,937
August	15,462	11,296	26,758	16,827	11,996	28,823
September	15,217	11,098	26,315	17,157	12,352	29,509
October	14,920	10,634	25,554	17,237	12,376	29,613
November	14,962	10,566	25,528	17,110	12,036	29,146
December	14,632	10,123	24,755	17,018	11,760	28,778
Textile products (except clothing):						
January	46,021	27,886	73,907	42,627	26,013	68,640
February	46,215	28,106	74,321	42,835	26,125	68,960
March	46,889	28,177	75,066	42,852	26,045	68,897
April	46,740	28,062	74,802	42,347	25,826	68,173
May	46,210	27,759	73,969	42,011	25,220	67,231
June	45,153	26,710	71,863	42,057	25,348	67,405
July	43,826	25,487	69,313	42,206	24,996	67,202
August	43,593	25,202	68,795	42,747	25,776	68,523
September	42,702	24,836	67,538	43,679	26,634	70,313
October	42,097	24,687	66,784	44,499	27,326	71,825
November	41,788	24,097	65,885	45,208	27,641	72,849
December	40,613	23,206	63,819	45,061	27,330	72,391
Clothing (textile and fur):						
January	31,583	70,893	102,476	30,793	68,812	99,605
February	32,393	72,494	104,887	31,142	70,029	101,171
March	32,629	73,858	106,487	31,484	71,173	102,657
April	32,126	73,713	105,839	30,925	70,281	101,206
May	31,206	71,397	102,603	30,507	68,459	98,966
June	30,657	68,206	98,863	30,170	66,305	96,475
July	30,633	65,674	96,307	30,427	64,461	94,888
August	30,746	67,550	98,296	31,127	67,578	98,705
September	30,389	67,836	98,225	31,563	70,020	101,583
October	30,035	66,926	96,961	31,605	70,927	102,532
November	29,519	65,743	95,262	31,324	70,870	102,194
December	28,685	61,498	90,183	30,971	67,917	98,888
Wood Products:						
January	94,457	5,135	99,592	81,785	4,737	86,522
February	97,392	5,179	102,571	86,607	4,930	91,537
March	103,072	5,223	108,295	93,278	4,976	98,254
April	105,943	5,155	111,098	97,216	4,970	102,186
May	115,183	5,207	120,390	108,033	5,088	113,121
June	119,088	5,237	124,325	113,705	5,159	118,864
July	114,706	5,196	119,902	111,023	5,202	116,225
August	108,873	5,090	113,963	107,404	5,341	112,745
September	103,083	5,018	108,101	103,670	5,373	109,043
October	97,780	4,902	102,682	99,056	5,511	104,567
November	91,622	4,825	96,447	93,640	5,438	99,078
December	87,171	4,610	91,781	88,837	5,255	94,092
Paper products:						
January	55,568	8,636	64,204	52,374	8,368	60,742
February	55,958	8,635	64,593	52,454	8,360	60,814
March	56,388	8,703	65,091	52,700	8,343	61,043
April	57,518	8,665	66,183	53,230	8,271	61,501
May	59,969	8,667	68,636	55,593	8,304	63,897
June	62,330	8,772	71,102	57,788	8,593	66,381
July	63,628	8,715	72,343	58,431	8,388	66,819
August	64,306	8,595	72,901	58,695	8,675	67,370
September	62,905	8,745	71,650	58,064	8,943	67,007
October	62,156	8,795	70,951	57,455	9,180	66,635
November	60,802	8,668	69,470	56,331	9,253	65,584
December	59,832	8,307	68,139	55,323	8,828	64,151

TABLE 26. Wage-Earners Employed in the Manufacturing Industries, by Months, Sex and Industrial Groups, 1950 and 1951 - Continued

Group and Month	1951			1950		
	Male	Female	Total	Male	Female	Total
	Number					
Printing, publishing and allied Industries:						
January.....	31,296	8,880	40,176	30,072	8,847	38,919
February.....	31,141	8,698	39,839	30,108	8,925	39,033
March.....	31,242	8,703	39,945	30,235	8,762	38,997
April.....	31,288	8,704	39,992	30,278	8,701	38,979
May.....	31,234	8,751	39,985	30,327	8,715	39,042
June.....	31,557	9,012	40,569	30,584	9,020	39,604
July.....	31,661	9,202	40,863	30,628	9,227	39,855
August.....	31,417	9,102	40,519	30,509	8,883	39,392
September.....	31,481	9,278	40,759	30,508	9,133	39,641
October.....	31,627	9,215	40,842	30,625	9,313	39,938
November.....	31,711	9,035	40,746	30,940	9,708	40,648
December.....	31,565	8,703	40,268	30,888	8,933	39,821
Iron and steel products:						
January.....	134,744	7,871	142,615	120,577	6,616	127,193
February.....	136,722	8,097	144,819	120,207	6,572	126,779
March.....	139,169	8,173	147,342	121,366	6,596	127,962
April.....	140,957	8,171	149,128	122,092	6,658	128,750
May.....	141,770	8,226	149,996	123,071	6,708	129,779
June.....	143,334	8,107	151,441	124,516	6,789	131,305
July.....	142,620	7,896	150,516	124,906	6,734	131,640
August.....	142,445	7,731	150,176	128,156	7,028	135,184
September.....	141,611	7,578	149,189	130,367	7,251	137,618
October.....	141,607	7,348	148,955	131,818	7,468	139,286
November.....	142,302	7,182	149,484	132,375	7,481	139,856
December.....	141,137	7,045	148,182	133,250	7,484	140,734
Transportation equipment:						
January.....	91,867	3,765	95,632	81,455	3,107	84,562
February.....	94,689	3,920	98,609	82,699	3,154	85,853
March.....	97,392	3,969	101,361	80,106	3,036	83,142
April.....	98,727	4,004	102,731	79,350	3,037	82,387
May.....	100,478	3,902	104,380	83,239	3,248	86,487
June.....	101,417	3,728	105,145	83,842	3,336	87,178
July.....	101,580	3,558	105,138	85,259	3,352	88,611
August.....	95,951	3,305	99,256	79,031	3,227	82,258
September.....	102,464	3,228	105,692	87,663	3,594	91,257
October.....	103,988	3,312	107,300	87,406	3,637	91,043
November.....	103,271	3,219	106,490	88,669	3,660	92,329
December.....	101,682	3,117	104,799	89,840	3,577	93,417
Non-ferrous metal products:						
January.....	35,399	3,497	38,896	31,209	3,277	34,486
February.....	36,179	3,597	39,776	31,156	3,379	34,535
March.....	36,876	3,627	40,503	31,512	3,356	34,868
April.....	37,003	3,551	40,554	31,794	3,200	34,994
May.....	37,258	3,449	40,707	32,350	3,088	35,438
June.....	38,036	3,290	41,326	32,499	3,039	35,538
July.....	37,898	3,228	41,126	32,520	3,112	35,632
August.....	37,841	3,202	41,043	33,122	3,315	36,437
September.....	36,566	3,179	39,745	33,712	3,389	37,101
October.....	36,744	3,188	39,932	34,342	3,526	37,868
November.....	36,763	3,120	39,883	34,657	3,576	38,233
December.....	36,574	2,954	39,528	34,882	3,320	38,202
Electrical apparatus and supplies:						
January.....	36,256	13,816	50,072	30,807	11,653	42,460
February.....	36,515	13,877	50,392	31,256	11,561	42,817
March.....	36,991	14,471	51,462	31,670	11,642	43,312
April.....	37,216	14,677	51,893	31,967	11,844	43,811
May.....	37,317	14,603	51,920	32,313	11,901	44,214
June.....	37,553	14,393	51,946	32,943	11,993	44,936
July.....	36,540	14,029	50,569	33,139	12,141	45,280
August.....	36,209	13,598	49,807	33,553	12,699	46,252
September.....	36,232	13,346	49,578	34,257	13,209	47,466
October.....	35,692	12,673	48,365	34,772	13,639	48,411
November.....	35,487	12,331	47,818	35,137	13,784	48,921
December.....	34,962	11,619	46,581	34,822	13,347	48,169
Non-metallic mineral products:						
January.....	22,642	2,057	24,699	19,978	1,732	21,710
February.....	22,742	2,189	24,931	20,210	1,764	21,974
March.....	23,263	2,231	25,494	20,456	1,795	22,251
April.....	23,842	2,249	26,091	21,375	1,816	23,191
May.....	24,892	2,082	26,974	22,834	1,795	24,629
June.....	25,474	2,116	27,590	23,839	1,809	25,648
July.....	25,779	2,118	27,897	24,466	1,904	26,370
August.....	25,393	2,077	27,470	24,416	1,962	26,378
September.....	25,076	1,903	26,979	24,111	1,967	26,078
October.....	24,312	1,831	26,143	23,986	2,052	26,038
November.....	23,712	1,903	25,615	23,700	2,074	25,774
December.....	22,430	1,812	24,242	22,741	1,998	24,739

TABLE 26. Wage-Earners Employed in the Manufacturing Industries, by Months, Sex and Industrial Groups, 1950 and 1951 - Concluded

Group and Month	1951			1950		
	Male	Female	Total	Male	Female	Total
	Number					
Products of petroleum and coal:						
January	9,992	58	10,050	10,242	78	10,320
February	9,972	63	10,035	10,127	77	10,204
March	10,119	63	10,182	10,134	83	10,217
April	10,409	64	10,473	10,188	88	10,276
May	10,490	67	10,557	10,353	87	10,440
June	10,565	71	10,636	10,508	88	10,596
July	10,710	75	10,785	10,592	90	10,682
August	10,692	76	10,768	10,556	89	10,645
September	10,611	78	10,689	10,435	85	10,520
October	10,772	78	10,850	10,435	83	10,518
November	10,680	70	10,750	10,358	78	10,436
December	10,669	70	10,739	10,281	75	10,356
Chemicals and allied products:						
January	23,187	5,246	28,433	20,835	4,961	25,796
February	23,354	5,369	28,723	21,143	4,944	26,087
March	23,686	5,515	29,201	21,443	4,971	26,414
April	24,224	5,595	29,819	21,642	5,020	26,662
May	24,811	5,559	30,340	21,959	5,090	27,049
June	24,895	5,639	30,534	21,974	5,174	27,148
July	24,947	5,393	36,340	22,039	5,187	27,226
August	25,118	5,501	30,619	22,056	5,207	27,263
September	24,839	5,717	30,556	21,882	5,243	27,125
October	24,686	5,759	30,445	22,095	5,407	27,502
November	24,823	5,509	30,332	22,033	5,367	27,400
December	24,761	5,348	30,109	21,872	5,091	26,963
Miscellaneous industries:						
January	13,514	8,945	22,459	12,282	8,249	20,531
February	13,707	9,171	22,878	12,401	8,464	20,865
March	13,870	9,323	23,193	12,300	8,527	20,827
April	13,840	9,252	23,092	12,255	8,565	20,820
May	13,782	8,979	22,761	12,505	8,463	20,968
June	13,805	8,771	22,576	12,686	8,390	21,076
July	13,647	8,482	22,129	12,636	8,174	20,810
August	13,635	8,641	22,276	12,951	8,725	21,676
September	13,532	8,862	22,394	12,930	9,160	22,090
October	13,383	8,821	22,204	12,971	9,424	22,395
November	13,035	8,342	21,377	13,022	9,421	22,443
December	12,594	7,687	20,281	12,700	8,779	21,479

Subsection 3. Hours worked in Manufacturing Industries

Hours Worked by Wage-Earners. From 1932, the first year for which figures on hours worked per week by wage-earners are available, to 1945, each firm was required to report the number of hours worked by all its wage-earners 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 27 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 wage-earners, 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 wage-earners 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 wage-earners 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. 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 1951 are, therefore, not exactly comparable with those for earlier years which include all establishments, both large and small.

Persons employed in 1950 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. 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.

Salaried employees as a rule work shorter hours than wage-earners as the following figures for 1951 indicate.

	Wage-Earners	Salaried Employees
Both sexes	42.0	39.5
Male	43.0	40.0
Female	37.9	38.2

**TABLE 27. Wage-Earners in Manufacturing, Working Specified Numbers of Hours per Week
in the Month of Highest Employment, 1938-45¹**

Note. Hours worked per week in 1932-37 are given at p. 396 of the 1942 edition of the Canada Year Book; in 1940 at p. 386 of the 1943-44 edition.

Hours Worked per Week	1938	1939	1942	1943	1944	1945
	p.c.					
All Wage-Earners:						
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 Wage-Earners:						
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 Wage-Earners:						
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 over.....	.4	.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 28. Wage-Earners in Manufacturing Working Specified Numbers of Hours During the Last Week in November, 1946 - 49¹

Hours Worked per Week	1946	1947	1948	1949
	p.c.			
All Wage-Earners:				
30 or less	6.7	6.7	6.1	6.3
31-34	10.8	2.9	3.0	3.1
35-39		7.8	8.4	8.5
40		12.2	13.2	15.3
41-43	11.5	10.6	10.9	11.1
44	10.3	8.5	9.3	8.6
45-47	18.2	18.7	18.9	18.8
48	13.7	12.9	11.8	10.7
49-50	6.6	6.5	6.1	5.7
51-53	5.4	4.3	4.0	3.9
54		1.3	1.3	1.2
55-64		6.5	6.0	5.9
65 or over	0.9	1.1	1.0	0.9
	100.0	100.0	100.0	100.0
Average Hours per Week	43.7	43.7	43.6	43.3
Male Wage-Earners:				
30 or less	4.7	4.6	4.4	4.3
31-34	8.0	2.1	2.2	2.3
35-39		6.1	6.4	6.7
40		11.9	12.9	15.5
41-43	10.6	9.2	9.9	10.4
44	10.7	8.7	9.7	8.8
45-47	18.8	19.7	19.4	19.2
48	15.8	15.0	13.9	12.5
49-50	7.1	7.0	6.6	6.3
51-53	6.3	4.9	4.6	4.4
54		1.6	1.5	1.3
55-64		7.8	7.3	7.1
65 or over	1.1	1.4	1.2	1.2
	100.0	100.0	100.0	100.0
Average Hours per Week	44.9	44.9	44.7	44.4
Female Wage-Earners:				
30 or less	13.1	13.7	12.2	12.8
31-34	19.7	5.5	5.6	5.8
35-39		13.6	15.0	14.6
40		13.4	14.1	14.8
41-43	14.6	15.0	14.5	13.3
44	8.9	7.8	7.9	7.9
45-47	16.1	15.9	17.4	17.5
48	7.1	5.7	5.1	4.5
49-50	5.0	4.9	4.1	3.9
51-53	2.5	2.0	2.0	2.3
54		0.5	0.5	0.5
55-64		1.9	1.5	2.0
65 or over	0.1	0.1	0.1	0.1
	100.0	100.0	100.0	100.0
Average Hours per Week	40.0	39.7	39.8	39.8

1. Includes only establishments employing 15 hands or over. Information not collected in 1950 and 1951.

TABLE 29. Average Hours Worked per Week in the Manufacturing Industries of Canada, by Provinces, 1946-51¹

(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	Wage-earners			Salaried employees		
	All wage-earners	Male	Female	All salaried employees	Male	Female
	Number					
Canada:						
1946	43.7	44.9	40.0	41.1	42.0	39.5
1947	43.7	44.9	39.7	40.4	41.2	38.9
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
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
Prince Edward Island:						
1946	46.3	46.9	45.0	—	—	—
1947	45.3	47.0	40.3	—	—	—
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
Nova Scotia:						
1946	45.7	46.0	43.6	43.1	44.1	40.7
1947	45.8	46.2	43.4	41.9	42.6	40.0
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
New Brunswick:						
1946	46.0	46.7	42.9	43.2	44.3	40.9
1947	45.4	46.6	40.3	43.6	44.6	41.2
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
Quebec:						
1946	45.4	47.1	41.2	41.5	42.5	39.6
1947	45.4	47.1	40.7	40.6	41.3	39.1
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
Ontario:						
1946	42.8	44.0	38.8	40.5	41.3	39.2
1947	43.0	44.2	38.8	40.0	40.8	38.6
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
Manitoba:						
1946	42.8	43.8	39.6	42.7	43.3	41.1
1947	43.4	44.5	39.7	41.7	42.2	40.4
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
Saskatchewan:						
1946	44.0	44.3	41.2	42.9	43.7	41.3
1947	43.3	43.8	40.3	42.1	43.0	41.0
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
Alberta:						
1946	43.2	43.5	41.6	42.9	43.6	41.5
1947	43.7	44.1	41.8	42.4	43.0	41.0
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
British Columbia:						
1946	41.2	41.5	39.2	41.9	42.4	40.6
1947	40.4	40.4	38.4	40.6	41.0	39.7
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

1. Prior to 1946 the figures refer to the week of highest employment and cover all establishments while for 1946 and 1947 they refer to the last week in November and for 1949 to 1951 the last week in October for establishments employing 15 hands and over only.

TABLE 30. Average Hours Worked per Week in the Manufacturing Industries of Canada, by Industrial Group, 1946-51

Group and year	Wage-earners			Salaried employees		
	All wage-earners	Male	Female	All salaried employees	Male	Female
	Number					
Foods and beverages:						
1946	43.9	45.7	38.8	42.2	43.2	40.3
1947	44.1	46.1	38.6	41.2	42.0	39.7
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
Tobacco and tobacco products:						
1946	42.9	45.6	41.4	41.3	42.1	40.4
1947	42.1	44.8	40.6	40.4	41.1	39.2
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
Rubber products:						
1946	44.8	45.6	42.3	40.4	40.9	39.2
1947	43.7	44.3	41.8	39.3	39.7	38.4
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
Leather products:						
1946	42.5	43.9	40.6	43.1	44.5	40.3
1947	41.0	42.2	39.2	41.9	43.2	39.1
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
Textile products (except clothing):						
1946	43.8	46.6	41.3	41.5	42.6	39.4
1947	44.5	46.5	41.6	41.2	42.1	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
Clothing (textile and fur):						
1946	41.0	44.8	38.7	41.5	42.7	39.8
1947	39.7	42.9	38.4	40.8	42.0	39.2
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
Wood products:						
1946	45.1	45.4	41.3	43.7	45.2	40.2
1947	44.0	44.2	40.4	42.6	43.8	39.6
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
Paper products:						
1946	47.1	48.2	41.0	40.9	41.6	39.4
1947	47.2	48.1	41.4	39.9	40.4	38.6
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
Printing, publishing and allied industries:						
1946	42.0	43.3	38.5	39.9	40.6	39.0
1947	41.1	42.2	38.1	39.5	40.0	38.7
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
Iron and steel products:						
1946	44.8	45.0	41.8	40.9	41.5	39.3
1947	45.1	45.3	41.6	40.2	40.8	38.6
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
Transportation equipment:						
1946	42.3	42.4	40.3	42.2	42.8	40.5
1947	43.6	43.7	40.9	41.1	41.6	39.7
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

TABLE 30. Average Hours Worked per Week in the Manufacturing Industries of Canada, by Industrial Group, 1946-51 - Concluded

Group and year	Wage-earners			Salaried employees		
	All wage-earners	Male	Female	All salaried employees	Male	Female
	Number					
Non-ferrous metal products:						
1946	44.0	44.5	40.9	41.6	42.4	40.1
1947	44.1	44.6	40.3	40.9	41.6	39.2
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
Electrical apparatus and supplies:						
1946	41.9	42.7	40.3	39.6	40.1	38.6
1947	42.6	43.5	40.7	39.9	40.6	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
Non-metallic mineral products:						
1946	46.1	46.6	42.0	41.4	42.3	39.2
1947	46.4	46.8	43.5	40.9	41.3	40.0
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
Products of petroleum and coal:						
1946	41.9	42.0	—	39.5	39.9	38.2
1947	42.1	42.1	—	38.8	39.1	37.3
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
Chemicals and allied products:						
1946	44.4	45.3	41.0	39.5	40.0	38.8
1947	43.8	44.7	40.2	39.0	39.5	38.3
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
Miscellaneous industries:						
1946	42.9	43.9	41.0	43.1	41.9	38.7
1947	42.3	43.7	39.7	41.9	41.2	38.6
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

Subsection 4. Salaries and Wages in Manufacturing Industries

In 1951, the 37,021 establishments covered employed 247,787 salaried employees and 1,010,588 wage-earners, a total of 1,258,375 persons. Out of every 1,000 persons employed in manufacturing, 197 were classed as salary earners and 803 as wage-earners; the former earned 25 p.c. and the latter 75 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 salaries and wages. Whereas in 1939 average annual wages were only 56 p.c. of average annual salaries, in 1943 the percentage rose to 76, it declined to 69 in 1947 and rose to 74 in 1951. This tendency towards equalization was due, in part, to the controls adopted by the Government during the war years which tended to stabilize salaries more so than wages. The increase in average wages was also influenced by the fact that large numbers of wage-earners were employed in the highly paid iron and steel industries and by the increase in number of hours worked, some of it at overtime pay.

Ontario has a larger proportion of females among its salaried employees than the other provinces. The same situation prevails in Quebec with regard to wage-earners, 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 wage-earners

engaged in the manufacturing industries of Canada in 1951, 44 p.c. were found in the textile and clothing groups.

The average salary in 1951 amounted to \$3,296 which was \$1,550 or 89 p.c. higher than in 1939. Salaried employees in Ontario with \$3,489 were the highest paid. Those in Quebec were second with \$3,241, British Columbia third with \$3,174 and Manitoba fourth with \$3,050. The fact that head offices of many large corporations are located in Montreal, Toronto, Winnipeg and Vancouver tends to raise the average salaries in the provinces in which these cities are located.

The average wage in 1951 amounted to \$2,434 which was \$1,459 or 150 p.c. higher than in 1939. The manufacturing industries of British Columbia paid the highest average wage of \$2,723, displacing Newfoundland which in 1950 occupied the premier position. The lowering of the average wage in Newfoundland was due to the inclusion for the first time of fish processing which is a seasonal industry and therefore has a low annual wage. Ontario with \$2,602 was in second place, followed by Saskatchewan with \$2,363, Newfoundland \$2,350, Alberta \$2,323, etc. The high figures shown for Yukon and the Northwest Territories in regard to average wages are due to the unusual conditions under which industry is carried on in these regions and are not representative. Statistics of the distribution of employees by provinces and groups as well as average annual earnings are given in Table 31.

TABLE 31. Salaries and Wages Paid in the Manufacturing Industries, by Provinces and Industrial Groups, 1951, with Totals for Significant Years, 1917-50

Year	Salaries				Wages			
	Salaried employees		Total salaries	Average salaries	Wage-earners		Total wages	Average wages
	Male	Female			Male	Female		
	No.	No.	\$	\$	No.	No.	\$	\$
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	175,405	978,525,782	1,220
1942.....	123,125	54,062	334,870,793	1,890	732,319	242,589	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
Provinces, 1951								
Newfoundland.....	1,697	298	4,757,011	2,384	6,488	1,139	17,924,235	2,350
Prince Edward Island.....	362	92	778,604	1,715	906	375	1,680,949	1,312
Nova Scotia.....	3,662	1,004	11,664,070	2,500	22,446	3,400	52,311,684	2,024
New Brunswick.....	2,709	880	9,893,725	2,757	17,296	3,620	43,653,157	2,087
Quebec.....	57,222	21,843	256,228,103	3,241	245,869	92,248	749,373,577	2,216
Ontario.....	85,433	38,404	432,056,989	3,489	378,862	96,734	1,237,329,993	2,602
Manitoba.....	5,709	2,072	23,729,367	3,050	25,992	7,686	76,441,599	2,270
Saskatchewan.....	2,183	781	7,322,831	2,444	7,050	977	18,967,463	2,363
Alberta.....	5,001	1,457	16,521,056	2,558	19,556	3,091	52,614,531	2,323
British Columbia.....	12,939	3,971	53,668,749	3,174	67,826	8,911	208,957,534	2,723
Yukon and Northwest Territories.....	26	10	94,099	2,614	103	13	311,591	2,686
Canada Totals, 1951.....	176,943	70,844	816,714,604	3,296	792,394	218,194	2,459,566,313	2,434
Industrial Groups, 1951								
Foods and beverages.....	24,423	9,803	100,673,433	2,941	103,254	35,013	292,186,002	2,113
Tobacco and tobacco products.....	943	533	5,408,847	3,665	3,317	5,033	19,029,371	2,279
Rubber products.....	3,762	1,524	17,767,922	3,361	13,585	4,183	46,589,774	2,622
Leather products.....	2,917	1,188	13,398,095	3,264	16,077	11,396	46,270,669	1,684
Textile products (Except clothing).....	7,360	3,748	40,597,090	3,655	44,402	26,200	144,433,399	2,046
Clothing (Textile and fur).....	9,759	6,066	53,405,045	3,375	30,972	68,936	168,959,902	1,691
Wood products.....	20,208	3,030	52,278,571	2,250	102,972	5,068	230,783,503	2,136
Paper products.....	10,213	3,902	61,238,472	4,338	60,115	8,659	215,282,534	3,130
Printing, publishing and allied industries.....	15,005	9,269	66,737,821	2,749	31,469	8,951	104,090,909	2,575
Iron and steel products.....	25,691	9,106	126,490,198	3,635	140,730	7,796	420,824,417	2,833
Transportation equipment.....	14,913	4,562	72,702,273	3,733	99,461	3,581	295,404,160	2,867
Non-ferrous metal products.....	7,186	2,684	35,379,886	3,585	36,923	3,321	115,353,818	2,866
Electrical apparatus and supplies.....	12,401	5,164	60,924,133	3,468	36,435	13,626	133,824,905	2,673
Non-metallic mineral products.....	3,904	1,390	17,453,958	3,297	24,176	2,052	68,625,014	2,616
Products of petroleum and coal.....	3,820	1,234	18,506,609	3,662	10,473	71	33,441,281	3,172
Chemicals and allied products.....	10,282	5,395	52,970,452	3,379	24,477	5,510	78,339,699	2,612
Miscellaneous industries.....	4,156	2,246	20,781,799	3,246	13,556	8,798	46,126,956	2,063

1. The averages of wage-earners and earnings for the years 1931 to 1951 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 salaried 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 wage-earners. In 1931 and subsequent years, however, all such proprietors reported themselves as salaried 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 salaried employees. Prior to this they were not reported at all.

Average Annual Earnings in the Forty Leading Industries. In 1951 there were 35 industries with average salaries of \$3,000 or over, as compared with 31 industries in this range in 1950. 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 average annual salaries of over \$3,000. The highest average salary in that year was \$2,935 reported by the brewing industry. The highest average salary in 1951, amounting to \$4,688 was received by office and supervisory employees in the pulp and paper industry. In 1950 the premier position was occupied by the brewing industry with \$4,455. Other industries paying \$4,000 or more, in descending order, were as follows: breweries \$4,376, motor vehicles \$4,112, primary iron and steel \$4,078 and bridge building and structural steel \$4,062. In seventeen others they were between \$3,500 and \$4,000; in thirteen others they were between \$3,000 and \$3,500; while in the remaining five they were under \$3,000. The sawmill and butter and cheese industries with \$1,612 and \$2,170 respectively, paid the lowest salaries.

The increase in average wages since 1945 paralleled that of salaries. Whereas in 1945 there were only four industries

averaging over \$2,000, in 1951 the number jumped thirty-four. In 1945 the highest average annual wage was \$2,365 paid by the motor vehicle industry, while in 1951 the highest annual wage amounting to \$3,531 was paid by the pulp and paper industry. The highest wages are usually paid by industries in which the proportion of skilled workers is high and the proportion of female workers is low. There were six industries in 1951 with average annual wages of \$3,000 and over. These were: pulp and paper \$3,531, petroleum products \$3,303, non-ferrous metal smelting and refining \$3,234, motor vehicles \$3,146, primary iron and steel \$3,135, and bridge building and structural steel \$3,053. In nineteen industries average wages ranged between \$2,500 and \$3,000, in nine others they ranged between \$2,000 and \$2,500, while in the remaining six they were below \$2,000. This latter group includes industries made up of a large number of small establishments and in which the proportion of female workers is high. Men's factory clothing, women's factory clothing, cotton yarn and cloth, sash, door and planing mills, leather footwear, and fruit and vegetable preparations are the industries included in this group. Employment by sex, and average annual earnings in the forty leading industries are given in Table 32.

TABLE 32. Salaries and Wages Paid in the Forty Leading Industries, 1951

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

No.	Industry	Salaries				Wages			
		Salaried employees		Total salaries	Average wage	Wage-earners		Total wages	Average wage
		Male	Female			Male	Female		
		No.	No.	\$	\$	No.	No.	\$	\$
1	Pulp and paper	7, 174	2, 239	44, 126, 918	4, 688	47, 164	714	169, 042, 988	3, 531
2	Sawmills	11, 395	705	19, 507, 788	1, 612	49, 825	490	112, 550, 819	2, 237
3	Primary iron and steel	3, 128	978	16, 744, 000	4, 078	28, 884	403	91, 817, 802	3, 135
4	Motor vehicles	4, 245	1, 413	23, 267, 271	4, 112	24, 500	321	78, 075, 503	3, 146
5	Railway rolling stock	2, 154	300	9, 228, 292	3, 761	30, 842	114	84, 800, 542	2, 739
6	Printing and publishing	7, 792	4, 316	33, 623, 767	2, 777	13, 162	2, 030	42, 617, 798	2, 805
7	Machinery, heavy electrical	4, 697	1, 773	21, 481, 397	3, 320	14, 886	3, 940	54, 117, 515	2, 875
8	Non-ferrous metal smelting and refining	3, 193	555	13, 816, 942	3, 686	19, 005	61	61, 657, 563	3, 234
9	Machinery, industrial	4, 477	1, 754	22, 026, 229	3, 535	15, 595	500	45, 260, 684	2, 812
10	Bread and other bakery products	3, 656	1, 209	11, 920, 659	2, 450	20, 773	6, 614	55, 195, 260	2, 015
11	Motor vehicles parts	2, 390	957	12, 855, 397	3, 841	15, 369	2, 481	52, 427, 766	2, 937
12	Rubber goods	3, 762	1, 524	17, 767, 922	3, 361	13, 585	4, 183	46, 589, 774	2, 622
13	Clothing, men's, factory	2, 665	1, 500	14, 751, 945	3, 542	8, 831	19, 736	47, 564, 221	1, 665
14	Slaughtering and meat packing	3, 502	1, 208	16, 824, 332	3, 572	13, 363	2, 841	45, 284, 543	2, 795
15	Furniture	3, 477	1, 086	14, 195, 631	3, 111	20, 854	1, 857	47, 233, 644	2, 080
16	Miscellaneous electrical apparatus and supplies	3, 775	1, 628	18, 713, 133	3, 463	11, 128	4, 726	41, 976, 958	2, 648
17	Aircraft	4, 122	1, 363	19, 417, 203	3, 540	13, 365	348	40, 141, 114	2, 927
18	Cotton yarn and cloth	1, 327	916	8, 265, 512	3, 685	16, 376	9, 013	50, 469, 321	1, 988
19	Printing and bookbinding	3, 795	1, 729	17, 150, 131	3, 105	12, 466	5, 223	40, 068, 214	2, 265
20	Clothing, women's, factory	2, 580	1, 689	14, 847, 672	3, 478	6, 202	18, 217	41, 916, 610	1, 717
21	Agricultural implements	2, 482	716	10, 727, 332	3, 354	13, 871	167	41, 490, 098	2, 956
22	Castings, iron	1, 549	591	8, 371, 382	3, 912	14, 977	345	43, 757, 031	2, 856
23	Sheet metal products	2, 498	957	12, 778, 709	3, 699	12, 211	1, 771	36, 258, 643	2, 593
24	Butter and cheese	3, 746	1, 630	11, 665, 107	2, 170	14, 542	982	35, 116, 443	2, 262
25	Synthetic textiles and silk	2, 300	978	11, 692, 668	3, 567	10, 651	4, 068	33, 001, 070	2, 242
26	Sash, door and planing mills	3, 058	627	9, 621, 964	2, 611	15, 502	170	30, 838, 716	1, 968
27	Shipbuilding	1, 440	383	6, 104, 848	3, 349	12, 927	86	33, 999, 683	2, 613
28	Hardware, tools and cutlery	1, 873	941	9, 785, 622	3, 477	9, 729	1, 746	29, 694, 712	2, 588
29	Petroleum products	2, 845	905	14, 414, 140	3, 844	6, 799	62	22, 664, 477	3, 303
30	Footwear, leather	1, 676	710	7, 590, 611	3, 181	9, 750	7, 863	28, 256, 825	1, 604
31	Boxes and bags, paper	1, 364	704	8, 148, 190	3, 940	6, 451	4, 865	24, 086, 979	2, 129
32	Fruit and vegetable preparations	1, 675	902	7, 933, 709	3, 079	7, 270	6, 554	22, 173, 867	1, 604
33	Brass and copper products	1, 341	568	7, 006, 881	3, 570	7, 525	643	22, 311, 195	2, 732
34	Miscellaneous iron and steel products	1, 421	380	6, 827, 761	3, 791	7, 880	408	22, 349, 353	2, 697
35	Bridge building and structural steel	1, 621	357	8, 035, 027	4, 062	6, 578	52	20, 243, 399	3, 053
36	Radios and radio parts	2, 225	919	11, 876, 204	3, 777	3, 758	3, 229	16, 391, 885	2, 346
37	Breweries	1, 442	399	8, 056, 046	4, 376	6, 504	104	19, 433, 263	2, 941
38	Miscellaneous chemical products	2, 097	858	10, 317, 357	3, 491	5, 491	1, 291	16, 654, 156	2, 456
39	Wire and wire products	1, 174	502	6, 341, 636	3, 784	6, 384	799	20, 487, 617	2, 852
40	Machinery, household, office and store	1, 252	569	5, 901, 175	3, 241	6, 892	1, 187	20, 214, 932	2, 502
Totals, leading industries		122, 385	43, 438	553, 728, 510	3, 339	581, 867	120, 204	1, 788, 232, 983	2, 549
Totals, all industries		176, 943	70, 844	816, 714, 604	3, 296	792, 394	218, 194	2, 459, 566, 313	2, 434

Average Annual, Weekly and Hourly Earnings of Wage-Earners. In comparing earnings by provinces or groups, consideration should be given to the type of industries in each case since the distribution of industries has a very definite regional significance. In some industries a labour force possessing deftness and speed or the ability to exercise muscular strength is necessary, in others the labour force must exercise craftsmanship or possess a high degree of technical knowledge. Workers in the latter industries naturally command relatively higher wages than those employed in industries whose employees are routine workers.

The ranking of provinces and industries as regards annual earnings is in many cases different to that of weekly or hourly earnings since the factors of number of weeks worked per year and number of hours worked per week enter into the picture. So that, while in general the same observations apply, a close study of the differences between the averages shown in Tables 31 and 32 will be of value.

The figures for the years 1934 to 1945 given in Table 33 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 in-

dustry, however, the month of highest employment is more significant as in such case it coincides for a great number of firms engaged in the same industry. The figures for 1946 and 1947 are based on returns received from establishments employing 15 hands or over and refer to the last week in the month of November, whereas for 1948-1951 they refer to the last week in the month of October.

Average weekly earnings of male wage-earners for manufacturing as a whole amounted to \$56.46 in 1951, an increase of \$34.23 or 154 p.c. as compared with 1939. Average hourly earnings advanced from 46.2 cents in 1939 to \$1.31 in 1951, an increase of 184 p.c. Annual earnings at \$2,693 were 150 p.c. higher.

Female wage-earners received on an average \$31.27 per week in 1951, an increase of \$18.49 or 141 p.c. Hourly earnings at 82.5 cents were 192 p.c. higher, while annual earnings at \$1,492 were 141 p.c. higher.

The following table gives the weekly and hourly earnings of male and female wage-earners for each province and major industrial group for the year 1951.

For the method used in calculating average annual earnings for male and female wage-earners separately, see text preceding Table 36.

Average Weekly and Hourly Earnings of Male and Female Wage-Earners, by Provinces and Industrial Groups, 1951

Province and Industrial Group	Male earnings		Female earnings	
	Weekly	Hourly	Weekly	Hourly
	\$	cents	\$	cents
Provinces				
Newfoundland.....	56.80	123.2	18.51	45.7
Prince Edward Island.....	38.33	82.6	20.34	45.8
Nova Scotia	48.30	111.3	22.14	51.6
New Brunswick	51.42	113.0	26.86	68.7
Quebec	53.58	119.6	29.37	77.7
Ontario	58.60	138.2	33.66	88.8
Manitoba	53.21	125.5	29.07	75.7
Saskatchewan.....	51.58	123.4	32.69	84.7
Alberta	52.83	127.0	33.04	85.6
British Columbia	61.70	156.2	34.36	95.7
Canada	56.46	131.3	31.27	82.5
Industrial Group				
Foods and beverages	50.67	112.6	29.29	75.1
Tobacco and tobacco products	60.49	138.1	46.24	115.6
Rubber products.....	59.77	142.3	38.59	97.7
Leather products.....	39.71	102.6	24.95	69.3
Textile products (except clothing).....	44.81	106.7	31.82	84.4
Clothing (textile and fur).....	47.14	121.5	27.28	76.2
Wood products	48.98	113.9	34.47	84.9
Paper products.....	67.87	143.8	33.05	80.8
Printing, publishing and allied industries.....	61.87	152.4	29.11	76.6
Iron and steel products.....	59.95	140.4	39.16	98.4
Transportation equipment.....	58.66	139.0	42.45	109.7
Non-ferrous metal products	59.68	142.1	32.40	81.0
Electrical apparatus and supplies	61.24	144.1	41.41	107.0
Non-metallic mineral products.....	56.31	124.3	34.33	85.4
Products of petroleum and coal.....	67.32	162.6	—	—
Chemicals and allied products	57.03	131.7	31.64	79.9
Miscellaneous industries.....	48.93	113.0	31.01	78.5

TABLE 33. Average Annual, Weekly and Hourly Earnings of Wage-Earners, Employed in the Manufacturing Industries, 1934-51

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 wage-earners			Male wage-earners			Female wage-earners		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	\$	\$	\$	\$	\$	\$	\$	\$	\$
1934.....	830	18.30	0.372	930	20.31	0.407 ¹	539	11.80	0.251 ¹
1935.....	870	18.50	0.380	966	20.41	0.413 ¹	570	12.04	0.259 ¹
1936.....	896	18.96	0.389	995	20.92	0.423 ¹	577	12.20	0.262 ¹
1937.....	965	2	2	2	2	2	2	2	2
1938.....	956	19.49	0.417	1,055	21.49	0.454	594	12.10	0.271
1939.....	975	20.14	0.427	1,076	22.23	0.462	619	12.78	0.283
1940.....	1,084	22.35	0.446	1,202	24.82	0.488	655	13.52	0.286
1941.....	1,220	24.95	0.494	1,355	27.72	0.538	736	15.05	0.316
1942.....	1,383	28.18	0.561	1,558	31.75	0.619	854	17.41	0.371
1943.....	1,525	29.87	0.612	1,726	33.80	0.671	987	19.33	0.431
1944.....	1,564	31.05	0.654	1,761	34.95	0.712	1,051	20.89	0.479
1945.....	1,538	30.98	0.669	1,739	35.04	0.736	984	19.84	0.465
1946 ³	1,516	32.38	0.741	1,702	36.23	0.807	943	20.08	0.502
1947 ³	1,713	37.19	0.851	1,909	41.35	0.921	1,067	23.11	0.582
1948 ³	1,960	41.25	0.946	2,175	45.73	1.023	1,233	25.91	0.651
1949 ³	2,067	42.61	0.984	2,291	47.33	1.066	1,315	27.18	0.683
1950 ³	2,183	45.94	1.056	2,419	50.93	1.142	1,376	29.00	0.725
1951 ³	2,434	51.32	1.222	2,693	56.46	1.313	1,492	31.27	0.825

1. Estimated on the basis of hours worked by female wage-earners in 1938 and 1939 as compared with those worked by male wage-earners in those years.

2. Not available.

3. Prior to 1946 the figures refer to week of highest employment and cover all establishments while for 1946 and 1947 they refer to the last week in November and for 1949 to 1951 the last week in October for establishments employing 15 hands and over only.

TABLE 34. Average Annual, Weekly and Hourly Earnings of Wage-Earners in the Manufacturing Industries, by Provinces, 1946-51

(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 wage-earners			Male			Female		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	\$	\$	cents	\$	\$	cents	\$	\$	cents
Newfoundland:									
1949 ¹	2,392	—	—	—	—	—	—	—	—
1950.....	2,626	46.52	99.2	2,919	50.85	106.6	1,016	17.72	42.3
1951 ²	2,350	52.37	115.1	2,613	56.80	123.2	852	18.51	45.7
Prince Edward Island:									
1946.....	911	21.51	46.2	1,097	25.42	54.2	555	12.87	28.6
1947.....	976	24.75	54.6	1,131	28.01	59.6	613	15.19	37.7
1948.....	1,149	27.66	60.4	1,317	30.68	65.7	715	16.66	39.1
1949.....	1,145	29.76	62.4	1,323	33.96	70.6	718	18.45	39.6
1950.....	1,220	30.36	69.0	1,456	35.97	78.2	667	16.46	42.0
1951.....	1,312	34.10	74.3	1,521	38.33	82.6	808	20.34	45.8
Nova Scotia:									
1946.....	1,398	31.44	68.8	1,502	33.90	73.7	762	17.18	39.4
1947.....	1,461	34.58	75.5	1,584	37.47	81.1	744	17.62	40.6
1948.....	1,680	37.74	82.4	1,810	40.66	88.4	901	20.25	45.5
1949.....	1,810	39.56	88.9	1,959	42.87	95.7	911	19.94	46.8
1950.....	1,852	39.74	88.7	2,002	42.98	95.5	973	20.89	47.8
1951.....	2,024	44.77	103.4	2,179	48.30	111.3	998	22.14	51.6

TABLE 34. Average Annual, Weekly and Hourly Earnings of Wage-Earners in the Manufacturing Industries, by Provinces, 1946-51 - Continued

(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 wage-earners			Male			Female		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	\$	\$	cents	\$	\$	cents	\$	\$	cents
New Brunswick:									
1946.....	1,390	30.54	66.4	1,528	33.58	71.9	781	17.16	40.0
1947.....	1,570	33.55	73.9	1,714	37.05	79.5	890	19.22	47.7
1948.....	1,741	38.03	83.5	1,915	41.55	88.4	1,015	22.04	52.6
1949.....	1,823	38.64	85.1	1,983	42.18	90.9	1,114	23.71	57.4
1950.....	1,865	40.68	90.4	2,035	44.45	96.0	1,099	24.01	61.1
1951.....	2,087	46.87	105.8	2,275	51.42	113.0	1,188	26.86	68.7
Quebec:									
1946.....	1,445	30.51	67.2	1,660	34.95	74.2	926	19.49	47.3
1947.....	1,601	34.82	76.7	1,830	39.66	84.2	1,016	22.02	54.1
1948.....	1,829	38.60	85.4	2,077	43.80	93.6	1,190	25.11	61.4
1949.....	1,907	39.61	89.0	2,171	45.19	97.6	1,246	25.93	64.5
1950.....	1,995	42.21	94.0	2,273	48.15	103.1	1,305	27.65	68.1
1951.....	2,216	47.26	109.9	2,528	53.58	119.6	1,385	29.37	77.7
Ontario:									
1946.....	1,552	33.26	77.7	1,738	37.09	84.3	963	20.53	52.9
1947.....	1,792	38.57	89.7	1,988	42.70	96.6	1,153	24.13	62.2
1948.....	2,060	42.86	99.9	2,273	47.10	107.3	1,300	26.92	69.2
1949.....	2,187	44.34	103.6	2,405	48.88	111.6	1,400	28.45	72.2
1950.....	2,328	48.46	112.7	2,560	53.33	121.2	1,472	30.69	77.7
1951.....	2,602	53.87	129.5	2,848	58.60	138.2	1,635	33.66	88.8
Manitoba:									
1946.....	1,491	31.16	72.8	1,662	34.51	78.8	949	19.72	49.8
1947.....	1,634	35.59	82.0	1,818	39.20	88.1	1,049	22.63	57.0
1948.....	1,833	39.22	91.0	2,042	43.48	98.6	1,144	24.35	61.5
1949.....	1,900	41.06	94.6	2,114	45.39	102.0	1,222	26.24	66.1
1950.....	2,013	43.73	100.3	2,234	48.30	108.3	1,276	27.56	68.9
1951.....	2,270	48.46	116.5	2,532	53.21	125.5	1,382	29.07	75.7
Saskatchewan:									
1946.....	1,455	32.78	74.5	1,531	34.11	77.0	1,007	22.45	54.5
1947.....	1,643	36.63	84.5	1,726	39.16	87.5	1,106	25.10	62.3
1948.....	1,916	40.12	93.3	2,022	42.12	96.6	1,252	26.09	66.9
1949.....	2,042	41.34	97.5	2,142	43.33	101.0	1,384	27.99	71.4
1950.....	2,115	43.71	103.1	2,217	45.58	106.5	1,419	29.17	74.6
1951.....	2,363	49.18	118.8	2,473	51.58	123.4	1,568	32.69	84.7
Alberta:									
1946.....	1,477	32.40	75.0	1,582	34.50	79.3	981	21.38	51.4
1947.....	1,657	36.81	84.2	1,758	39.07	88.6	1,136	25.25	60.4
1948.....	1,890	41.35	95.5	2,005	43.80	100.0	1,251	27.31	67.1
1949.....	2,025	43.80	100.7	2,137	46.01	104.8	1,385	29.83	73.3
1950.....	2,113	44.86	105.3	2,223	47.09	109.5	1,445	30.61	77.1
1951.....	2,323	50.39	122.0	2,449	52.83	127.0	1,531	33.04	85.6
British Columbia:									
1946.....	1,750	36.83	89.4	1,956	39.01	94.0	1,156	23.05	58.8
1947.....	1,934	41.55	103.6	2,045	43.55	107.8	1,229	26.19	68.2
1948.....	2,182	46.02	114.2	2,298	48.27	118.9	1,360	28.58	75.2
1949.....	2,282	47.36	118.1	2,410	49.82	123.0	1,381	28.57	76.8
1950.....	2,393	50.73	126.2	2,522	53.34	131.7	1,458	30.84	81.6
1951.....	2,723	58.65	150.0	2,871	61.70	156.2	1,599	34.36	95.7

TABLE 34. Average Annual, Weekly and Hourly Earnings of Wage-Earners in the Manufacturing Industries, by Provinces, 1946-51 - Concluded

(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 wage-earners			Male			Female		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	\$	\$	cents	\$	\$	cents	\$	\$	cents
Yukon and Northwest Territories ¹									
1946	2,249	—	—	—	—	—	—	—	—
1947	2,152	—	—	—	—	—	—	—	—
1948	2,824	—	—	—	—	—	—	—	—
1949	2,502	—	—	—	—	—	—	—	—
1950	2,523	—	—	—	—	—	—	—	—
1951	2,686	—	—	—	—	—	—	—	—

1. Dash indicates that the information is not available.

2. The average annual earnings are calculated on the basis of the total amount of wages 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 wage-earners for both sexes for this industry averaged \$1,151 as compared with \$2,806 for the other industries of the province.

TABLE 35. Average Annual, Weekly and Hourly Earnings of Wage-Earners in the Manufacturing Industries, by Industrial Groups, 1946-51

Group and Year	All wage-earners			Male			Female		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	\$	\$	cents	\$	\$	cents	\$	\$	cents
Foods and beverages:									
1946	—	29.15	66.4	—	33.09	72.4	—	18.27	47.1
1947	—	33.87	76.8	—	38.45	83.4	—	21.04	54.5
1948	1,718	36.56	83.1	1,945	41.68	90.8	1,064	22.31	58.8
1949	1,817	38.45	86.8	2,046	43.98	95.2	1,140	24.51	62.2
1950	1,914	39.99	91.3	2,159	45.84	100.3	1,194	25.35	65.0
1951	2,113	44.79	103.2	2,371	50.67	112.6	1,370	29.29	75.1
Tobacco and tobacco products:									
1946	—	23.85	55.6	—	30.06	65.9	—	20.37	49.2
1947	—	27.37	65.0	—	34.63	77.3	—	23.43	57.7
1948	1,717	35.53	83.6	2,105	44.15	98.1	1,488	31.23	75.8
1949	1,882	38.63	88.6	2,258	46.74	102.5	1,662	34.42	80.8
1950	2,011	40.92	98.6	2,361	48.33	112.4	1,799	36.83	90.5
1951	2,279	51.75	124.7	2,657	60.49	138.1	2,030	46.24	115.6
Rubber products:									
1946	—	36.78	82.1	—	41.09	90.1	—	23.96	56.7
1947	—	40.07	91.7	—	44.43	100.3	—	27.17	65.0
1948	2,108	45.22	104.2	2,338	49.84	112.5	1,481	31.17	76.4
1949	2,138	43.36	102.6	2,353	47.68	111.4	1,520	30.80	75.3
1950	2,326	48.83	112.0	2,563	53.97	122.1	1,625	34.23	81.9
1951	2,622	54.69	132.1	2,861	59.77	142.3	1,848	38.59	97.7
Leather products:									
1946	—	25.03	58.9	—	29.85	68.0	—	18.11	44.6
1947	—	28.25	68.9	—	33.51	79.4	—	20.11	51.3
1948	1,428	30.22	73.7	1,684	35.57	84.7	1,054	22.28	56.4
1949	1,528	30.84	76.9	1,807	36.39	88.1	1,131	22.77	59.3
1950	1,562	32.80	81.2	1,850	38.96	93.2	1,149	24.20	62.7
1951	1,684	33.61	89.4	1,992	39.71	102.6	1,251	24.95	69.3
Textile products (except clothing):									
1946	—	24.13	55.1	—	28.33	60.8	—	19.87	48.1
1947	—	30.08	67.6	—	34.64	74.5	—	23.59	56.7
1948	1,707	34.10	76.8	1,946	38.93	83.9	1,349	26.98	65.0
1949	1,830	36.93	82.8	2,068	41.67	89.8	1,458	29.39	70.3
1950	1,909	39.38	88.1	2,141	44.17	95.4	1,527	31.49	74.8
1951	2,046	40.00	99.0	2,292	44.81	106.7	1,627	31.82	84.4
Clothing (textile and fur):									
1946	—	25.38	61.9	—	34.54	77.1	—	19.81	51.2
1947	—	26.92	67.8	—	39.17	91.3	—	21.81	56.8
1948	1,465	30.16	75.2	2,065	42.64	100.1	1,198	24.73	63.4
1949	1,542	30.46	77.7	2,170	43.31	104.1	1,261	25.17	65.9
1950	1,588	32.64	81.4	2,242	46.35	108.8	1,294	26.75	68.6
1951	1,691	33.21	90.5	2,383	47.14	121.5	1,380	27.28	76.2

TABLE 35. Average Annual, Weekly and Hourly Earnings of Wage-Earners in the Manufacturing Industries, by Industrial Groups, 1946-51 - Concluded

Group and Year	All wage-earners			Male			Female		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	\$	\$	cents	\$	\$	cents	\$	\$	cents
Wood products:									
1946	—	30.94	68.6	—	31.73	69.9	—	21.02	50.9
1947	—	35.24	80.1	—	35.98	81.4	—	24.20	59.9
1948	1,727	39.16	89.0	1,758	40.00	90.5	1,199	27.30	66.9
1949	1,836	40.40	91.6	1,869	41.20	93.0	1,256	27.69	68.2
1950	1,925	43.61	98.9	1,957	44.48	100.4	1,335	30.34	74.0
1951	2,136	48.18	112.3	2,166	48.98	113.9	1,525	34.47	84.9
Paper products:									
1946	—	36.97	78.5	—	40.20	83.4	—	18.94	46.2
1947	—	44.04	93.3	—	47.38	98.5	—	22.36	54.0
1948	2,431	49.09	104.0	2,616	52.42	109.2	1,248	24.99	60.5
1949	2,535	49.74	105.6	2,721	53.31	111.3	1,350	26.44	63.1
1950	2,709	54.15	114.0	2,906	57.77	119.6	1,444	28.71	68.2
1951	3,130	63.98	137.6	3,347	67.87	143.8	1,630	33.05	80.8
Printing, publishing and allied industries:									
1946	—	34.57	82.3	—	40.53	93.6	—	18.71	48.6
1947	—	38.47	93.6	—	44.77	106.1	—	21.15	55.5
1948	2,082	42.90	104.9	2,395	49.52	117.9	1,109	22.94	60.7
1949	2,239	47.19	115.1	2,550	53.59	128.2	1,221	25.66	67.0
1950	2,413	50.30	124.5	2,747	57.64	139.9	1,277	26.80	70.7
1951	2,575	54.24	135.6	2,917	61.87	152.4	1,374	29.11	76.6
Iron and steel products:									
1946	—	36.87	82.3	—	37.89	84.2	—	22.11	52.9
1947	—	41.85	92.8	—	42.99	94.9	—	26.33	63.3
1948	2,257	46.64	104.1	2,305	47.61	105.8	1,443	29.83	71.7
1949	2,401	48.05	110.2	2,445	48.94	112.0	1,597	31.96	77.0
1950	2,534	52.23	118.7	2,581	53.18	120.6	1,665	34.28	82.8
1951	2,833	58.86	138.5	2,886	59.95	140.4	1,885	39.16	98.4
Transportation equipment:									
1946	—	39.85	94.2	—	40.45	95.4	—	24.99	62.0
1947	—	44.75	102.6	—	45.27	103.6	—	30.51	74.6
1948	2,419	48.90	113.2	2,442	49.33	114.2	1,687	34.07	83.7
1949	2,465	50.54	117.8	2,494	51.08	118.8	1,706	34.93	88.2
1950	2,647	55.06	125.7	2,680	55.67	126.8	1,825	37.91	94.3
1951	2,867	58.18	138.2	2,895	58.66	139.0	2,096	42.45	109.7
Non-ferrous metal products:									
1946	—	35.51	80.7	—	37.78	84.9	—	20.90	51.1
1947	—	40.79	92.5	—	42.91	96.2	—	24.91	61.8
1948	2,251	45.26	103.1	2,350	47.45	107.1	1,349	27.23	66.9
1949	2,419	48.26	108.7	2,521	50.26	112.7	1,437	28.63	68.5
1950	2,516	50.34	113.9	2,619	52.51	118.0	1,490	29.88	72.0
1951	2,866	57.56	137.7	2,979	59.68	142.1	1,618	32.40	81.0
Electrical apparatus and supplies:									
1946	—	32.39	77.3	—	36.34	85.1	—	24.38	60.5
1947	—	39.11	91.8	—	43.28	99.5	—	30.04	73.8
1948	2,125	44.06	105.4	2,319	48.01	112.7	1,614	33.42	84.6
1949	2,288	46.10	109.5	2,493	50.38	117.7	1,740	35.18	87.3
1950	2,414	49.90	117.7	2,649	55.03	127.1	1,788	37.14	92.4
1951	2,673	56.03	135.0	2,932	61.24	144.1	1,982	41.41	107.0
Non-metallic mineral products:									
1946	—	32.78	71.1	—	34.11	73.2	—	21.97	52.3
1947	—	38.93	83.9	—	40.20	85.9	—	27.75	63.8
1948	2,080	43.20	93.1	2,138	44.46	95.0	1,443	30.00	70.1
1949	2,193	45.22	98.3	2,252	46.45	100.1	1,540	31.10	74.4
1950	2,338	48.72	105.0	2,408	50.26	107.4	1,500	31.32	75.3
1951	2,616	54.77	121.7	2,699	56.31	124.3	1,646	34.33	85.4
Products of petroleum and coal:									
1946	—	37.88	90.4	—	38.01	90.5	—	—	—
1947	—	44.02	104.6	—	44.06	104.7	—	—	—
1948	2,435	50.14	119.1	2,445	50.18	119.2	1,345	—	—
1949	2,602	52.54	125.4	2,613	52.58	125.5	1,435	—	—
1950	2,776	56.00	135.6	2,787	56.09	135.8	1,532	—	—
1951	3,172	67.15	162.2	3,181	67.32	162.6	1,750	—	—
Chemicals and allied products:									
1946	—	32.46	73.1	—	35.97	79.4	—	19.35	47.2
1947	—	37.14	84.8	—	40.90	91.5	—	21.99	54.7
1948	2,029	41.05	93.3	2,227	45.03	100.3	1,223	24.72	61.2
1949	2,194	43.28	97.7	2,404	47.40	105.1	1,334	26.32	64.5
1950	2,325	46.52	107.2	2,541	50.54	114.6	1,410	28.07	70.0
1951	2,612	52.78	123.6	2,845	57.03	131.7	1,579	31.64	79.9
Miscellaneous industries:									
1946	—	26.94	62.8	—	30.91	70.4	—	19.43	47.4
1947	—	31.18	73.7	—	35.75	81.8	—	22.67	57.1
1948	1,652	33.84	80.0	1,920	39.33	90.2	1,244	25.49	63.1
1949	1,718	35.14	82.1	2,006	41.38	93.4	1,292	26.66	65.5
1950	1,803	38.01	88.8	2,106	44.48	100.4	1,365	28.83	71.0
1951	2,063	41.63	99.6	2,411	48.93	113.0	1,529	31.01	78.5

Note: Average annual earnings cannot be calculated without a recompilation of the figures for 1946 and 1947 on the new standard classification basis.

Average Annual, Weekly and Hourly Earnings of Salaried Employees. Beginning with 1946 the survey on weekly earnings and hours worked by wage-earners was expanded to include salaries employees as well. The survey covers establishments employing 15 hands or over and refers to the last week in November for 1946 and 1947, and to the last week in October for 1948-50. Earnings and hours worked are reported for male and female wage-earners and salaried employees in 13 groups of hours ranging from 30 hours or less to 65 hours or more. The earnings reported for the week is the gross amount paid before deductions for income tax, unemployment insurance, etc. Weekly and hourly earnings as well as the hours worked are thus obtained directly from the tabulated results of the establishments covered. The annual earnings, however, have to be calculated as they are not directly obtained from the survey. To calculate annual earnings the results on weekly earnings are correlated with the results obtained through the annual Census of Industry. To illustrate the method used the following case will be used.

In 1949 the paper products group, according to the annual census of industry, reported 9,077 male and 3,573 female salaried 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 salaried employees. The proportion of female to male earnings is therefore .451 $\left\{ \begin{array}{l} \$34.88 \\ \$77.41 \end{array} \right\}$ Female employees are first reduced to a male basis and the calculation is then as follows:

Annual Earnings of Male Employees

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

Annual Earnings of Female Employees

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

In the above 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 (\$77.41 x 52). This difference is due to the fact that the earnings reported to the Census of Industry 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.

It is the intention in future to alternate the system of classifying employees. One year the basis will be the hours worked per week and the following year it will be on the basis of the earnings per week. Information will thus be made available on both the number of hours worked as well as the range of weekly earnings of employees engaged in manufacturing.

Annual earnings of male salaried employees in 1951 averaged \$3,852, weekly earnings \$77.55 and hourly earnings \$1.94. For female salaried employees annual earnings averaged \$1,907, weekly earnings \$38.42 and hourly earnings \$1.01.

The following table gives the weekly and hourly earnings of male and female salaried employees for each province and major industrial group for the year 1951.

Average Weekly and Hourly Earnings of Male and Female Salaried Employees by Provinces and Industrial Groups, 1951

Province and Industrial Group	Male earnings		Female earnings	
	Weekly	Hourly	Weekly	Hourly
	\$	\$	\$	\$
Province				
Newfoundland	70.71	1.63	30.80	0.73
Prince Edward Island.....	55.98	1.26	26.75	0.65
Nova Scotia	67.83	1.60	31.95	0.80
New Brunswick	68.64	1.61	31.72	0.79
Quebec	75.77	1.88	37.32	0.98
Ontario	79.67	2.02	39.49	1.04
Manitoba.....	70.20	1.73	35.06	0.89
Saskatchewan	64.97	1.56	37.25	0.91
Alberta	71.12	1.71	36.86	0.92
British Columbia.....	81.66	2.03	40.03	1.02
Canada	77.55	1.94	38.42	1.01
Industrial group				
Foods and beverages	71.15	1.73	37.29	0.95
Tobacco and tobacco products	78.21	2.09	42.41	1.15
Rubber products	74.59	1.94	37.40	0.98
Leather products	66.47	1.61	34.33	0.90
Textile products (except clothing).....	79.67	1.97	36.78	0.96
Clothing (textile and fur).....	72.45	1.79	36.85	0.96
Wood products	74.34	1.75	37.16	0.96
Paper products	93.92	2.39	40.60	1.07
Printing, publishing and allied industries	69.61	1.81	36.83	0.97
Iron and steel products	78.15	1.97	38.30	1.01
Transportation equipment	80.85	1.96	41.51	1.04
Non-ferrous metal products	85.63	2.13	40.21	1.06
Electrical apparatus and supplies	75.51	1.92	38.37	1.02
Non-metallic mineral products	76.94	1.93	38.61	1.03
Products of petroleum and coal	81.92	2.12	42.72	1.15
Chemicals and allied products.....	78.79	2.03	40.31	1.06
Miscellaneous industries.....	75.50	1.88	36.73	0.99

TABLE 36. Average Annual, Weekly and Hourly Earnings of Salaried Workers Employed in the Manufacturing Industries, 1946-51

Year	All salaried employees			Male salaried employees			Female salaried employees		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	\$	\$	\$	\$	\$	\$	\$	\$	\$
1946	2,270	43.85	1.067	—	53.21	1.267	—	25.91	0.656
1947	2,484	49.78	1.232	—	60.21	1.461	—	28.68	0.737
1948	2,687	52.91	1.313	3,147	63.47	1.544	1,551	31.26	0.805
1949	2,836	54.85	1.368	3,317	65.37	1.602	1,655	32.62	0.845
1950	2,998	58.74	1.480	3,507	69.35	1.725	1,739	34.38	0.895
1951	3,296	65.98	1.670	3,852	77.55	1.939	1,907	38.42	1.006

TABLE 37. Average Annual, Weekly and Hourly Earnings of Salaried Employees in the Manufacturing Industries, by Provinces, 1946-51

Year and Province	All salaried employees			Male			Female		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	\$	\$	cents	\$	\$	cents	\$	\$	cents
Newfoundland:									
1950	1,921	54.95	128.9	2,087	63.33	146.7	868	26.55	66.6
1951	2,383	62.04	144.3	2,604	70.71	163.3	1,135	30.80	73.3
Prince Edward Island:									
1950	1,571	40.35	98.4	1,747	48.55	118.5	896	24.92	60.6
1951	1,715	46.90	108.1	1,918	55.98	126.4	917	26.75	64.8
Nova Scotia:									
1946	—	39.89	92.5	—	46.36	106.2	—	23.54	57.8
1947	—	45.34	108.2	—	53.44	125.4	—	25.67	64.2
1948	2,036	48.42	116.1	2,292	56.49	133.2	1,107	27.29	68.4
1949	2,179	50.47	124.6	2,455	59.45	145.3	1,169	28.29	71.4
1950	2,335	52.55	128.8	2,635	61.20	149.3	1,257	29.18	72.8
1951	2,500	58.43	140.1	2,821	67.83	160.4	1,329	31.95	79.5
New Brunswick:									
1946	—	40.33	93.3	—	48.25	108.9	—	22.68	55.4
1947	—	44.59	102.3	—	53.56	120.1	—	24.78	60.1
1948	2,204	46.70	109.3	2,516	55.94	127.7	1,208	26.86	66.5
1949	2,233	48.42	113.1	2,568	57.64	131.6	1,243	27.88	68.6
1950	2,404	51.60	122.9	2,774	61.40	142.8	1,298	28.71	72.5
1951	2,757	57.65	137.9	3,175	68.64	161.1	1,467	31.72	79.1
Quebec:									
1946	—	44.57	107.4	—	53.30	125.4	—	26.63	67.2
1947	—	49.45	121.8	—	59.09	143.1	—	28.95	74.0
1948	2,699	52.39	129.0	3,119	62.20	150.2	1,581	31.52	80.8
1949	2,812	54.66	135.3	3,256	64.41	156.7	1,670	33.05	85.2
1950	2,981	58.10	146.0	3,461	68.13	168.2	1,747	34.41	89.6
1951	3,241	64.67	162.9	3,769	75.77	188.0	1,858	37.32	98.0
Ontario:									
1946	—	43.82	108.2	—	54.19	131.2	—	25.87	66.0
1947	—	50.46	126.1	—	62.01	152.0	—	28.84	75.0
1948	2,816	53.63	134.7	3,373	65.20	160.5	1,626	31.40	81.8
1949	2,990	55.32	139.3	3,563	66.81	165.4	1,746	32.74	85.5
1950	3,150	59.81	152.2	3,749	71.40	179.4	1,830	34.84	91.4
1951	3,489	67.29	172.5	4,135	79.67	201.7	2,051	39.49	104.2
Manitoba:									
1946	—	41.46	97.1	—	48.93	113.0	—	23.76	57.8
1947	—	46.07	110.5	—	54.62	129.4	—	26.07	64.5
1948	2,563	49.68	118.8	2,981	58.98	138.8	1,404	28.21	69.8
1949	2,729	52.98	128.3	3,150	62.19	148.4	1,534	30.30	75.9
1950	2,818	54.21	132.5	3,239	62.42	151.1	1,662	32.01	80.4
1951	3,050	60.57	150.3	3,519	70.20	173.3	1,756	35.06	88.5
Saskatchewan:									
1946	—	38.78	90.4	—	46.10	105.5	—	24.20	58.6
1947	—	41.95	99.6	—	50.47	117.4	—	25.90	63.2
1948	1,937	44.90	107.1	2,216	54.52	128.6	1,148	28.25	68.7
1949	2,085	45.18	107.0	2,364	53.23	124.6	1,300	29.30	71.3
1950	2,317	49.76	118.2	2,640	58.13	136.8	1,468	32.34	78.3
1951	2,444	56.35	136.4	2,764	64.97	156.2	1,584	37.25	91.1
Alberta:									
1946	—	39.34	91.7	—	46.30	106.2	—	23.66	57.0
1947	—	44.32	104.5	—	51.68	120.2	—	26.62	64.9
1948	2,122	48.20	113.4	2,382	55.81	129.2	1,239	29.04	71.3
1949	2,311	51.80	122.7	2,610	60.06	140.3	1,334	30.72	75.6
1950	2,454	55.05	133.3	2,777	62.62	150.2	1,441	32.47	81.6
1951	2,558	62.06	150.3	2,870	71.12	171.0	1,487	36.86	91.5
British Columbia:									
1946	—	46.59	111.2	—	54.10	127.6	—	27.36	67.4
1947	—	52.89	130.3	—	61.70	150.5	—	30.07	75.7
1948	2,522	56.38	138.8	2,835	65.16	158.9	1,451	33.40	84.5
1949	2,758	57.91	143.3	3,133	66.92	164.4	1,579	33.73	85.2
1950	2,871	60.83	152.5	3,242	69.77	173.6	1,637	35.23	90.3
1951	3,174	71.10	177.8	3,606	81.66	203.1	1,767	40.03	102.4

Note. Average annual earnings cannot be calculated without a recompilation of the figures for 1946 and 1947 on the new standard classification basis.

TABLE 38. Average Annual, Weekly and Hourly Earnings of Salaried Employees in the Manufacturing Industries, by Industrial Groups, 1946-51

Year and Group	All salaried employees			Male			Female		
	Annual	Weekly	Hourly.	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	\$	\$	cents	\$	\$	cents	\$	\$	cents
Foods and beverages:									
1946	—	41.33	97.9	—	49.90	115.5	—	24.62	61.1
1947	—	47.23	114.6	—	57.19	136.1	—	27.75	69.9
1948	2,384	52.01	125.6	2,792	62.62	147.0	1,348	30.24	76.7
1949	2,518	52.31	126.9	2,930	62.27	147.7	1,490	31.64	80.3
1950	2,693	55.06	134.6	3,129	64.05	154.3	1,608	32.92	83.8
1951	2,941	61.78	152.5	3,406	71.15	173.1	1,785	37.29	95.4
Tobacco and tobacco products:									
1946	—	39.94	96.7	—	51.45	122.2	—	25.17	62.3
1947	—	44.21	109.4	—	54.68	133.0	—	28.96	73.9
1948	2,863	52.47	130.5	3,412	64.94	159.1	1,836	34.92	88.8
1949	3,109	54.17	135.4	3,667	65.26	161.1	2,057	36.63	93.4
1950	3,256	57.86	150.7	3,821	67.18	174.0	2,247	39.48	104.2
1951	3,665	66.73	178.9	4,390	78.21	208.6	2,379	42.41	115.2
Rubber products:									
1946	—	44.97	111.3	—	54.64	133.6	—	25.17	64.2
1947	—	48.69	123.9	—	58.64	147.7	—	27.34	71.2
1948	2,800	51.84	132.2	3,333	61.95	156.0	1,606	29.88	78.2
1949	2,974	53.70	137.0	3,491	63.53	160.0	1,697	30.90	80.9
1950	3,070	58.09	146.7	3,597	67.97	169.5	1,759	33.26	86.4
1951	3,361	63.90	166.8	3,926	74.59	194.2	1,967	37.40	98.4
Leather products:									
1946	—	37.93	88.0	—	45.12	101.4	—	23.66	58.7
1947	—	45.06	107.5	—	54.25	125.6	—	26.21	67.0
1948	2,898	47.20	114.0	3,409	56.83	133.7	1,684	28.08	71.6
1949	3,033	48.95	117.9	3,533	57.94	136.0	1,819	29.86	76.2
1950	3,103	51.36	124.7	3,640	61.26	145.2	1,838	30.92	78.9
1951	3,264	56.30	140.0	3,795	66.47	161.3	1,958	34.33	90.1
Textile products (except clothing):									
1946	—	48.08	115.8	—	59.30	139.2	—	27.07	68.7
1947	—	50.19	121.8	—	62.82	149.2	—	27.53	69.9
1948	3,111	53.32	130.0	3,856	66.48	157.9	1,742	30.02	76.6
1949	3,199	53.69	130.9	3,884	65.47	156.2	1,864	31.46	80.2
1950	3,369	58.61	145.8	4,134	71.48	174.8	1,914	33.08	85.5
1951	3,655	65.41	164.3	4,465	79.67	196.7	2,063	36.78	95.8
Clothing (textile and fur):									
1946	—	38.00	91.5	—	47.65	111.6	—	25.13	63.1
1947	—	44.91	110.1	—	57.75	137.5	—	28.30	72.2
1948	3,004	45.97	112.4	3,691	58.76	139.2	1,897	30.22	76.7
1949	3,132	48.04	118.3	3,817	60.25	144.5	2,031	32.08	82.0
1950	3,233	51.12	127.8	3,964	64.27	157.1	2,057	33.33	86.1
1951	3,375	57.54	145.7	4,157	72.45	179.3	2,116	36.85	96.2
Wood products:									
1946	—	42.65	97.6	—	50.08	110.8	—	24.92	62.0
1947	—	50.11	117.6	—	58.70	134.0	—	27.43	69.2
1948	1,727	51.99	122.6	1,853	60.46	138.6	917	29.93	76.1
1949	1,905	54.15	127.7	2,038	62.56	143.8	1,015	31.14	79.0
1950	2,079	56.92	136.5	2,227	65.90	154.7	1,109	32.85	83.8
1951	2,250	64.48	155.4	2,407	74.34	174.9	1,204	37.16	96.0

TABLE 38. Average Annual, Weekly and Hourly Earnings of Salaried Employees in the Manufacturing Industries, by Industrial Groups, 1946-51 - Continued

Year and Group	All salaried employees			Male			Female		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	\$	\$	cents	\$	\$	cents	\$	\$	cents
Paper products:									
.. 1946	—	52.29	127.8	—	62.49	150.2	—	27.45	69.7
1947	—	59.44	149.0	—	70.72	175.0	—	31.33	81.1
1948	3,475	62.64	155.8	4,069	73.69	181.0	1,921	34.82	90.0
1949	3,679	65.57	164.3	4,354	77.41	191.6	1,964	34.88	90.8
1950	3,866	68.96	176.4	4,576	81.14	204.9	2,009	35.64	94.3
1951	4,338	79.57	204.6	5,147	93.92	239.0	2,224	40.60	106.8
Printing, publishing and allied industries:									
1946	—	37.07	92.9	—	45.76	112.7	—	24.30	62.3
1947	—	41.86	106.0	—	50.21	125.5	—	26.84	69.3
1948	2,400	43.75	112.2	2,860	53.76	136.4	1,533	28.82	75.2
1949	2,368	46.55	120.3	2,879	57.12	145.7	1,526	30.30	80.1
1950	2,500	50.71	132.7	3,040	61.75	161.2	1,602	32.56	85.7
1951	2,749	57.20	149.7	3,352	69.61	180.8	1,773	36.83	97.4
Iron and steel products:									
1946	—	50.14	122.6	—	52.88	127.4	—	25.43	64.7
1947	—	50.22	124.9	—	59.60	146.1	—	27.92	72.3
1948	2,865	53.41	133.2	3,358	63.09	155.0	1,617	30.35	78.6
1949	3,095	55.77	140.1	3,574	65.17	161.7	1,762	32.13	83.7
1950	3,215	59.71	151.2	3,715	69.29	173.7	1,817	33.91	88.5
1951	3,635	67.65	173.0	4,195	78.15	197.3	2,056	38.30	101.0
Transportation equipment:									
1946	—	50.14	118.8	—	57.95	135.4	—	28.08	69.3
1947	—	55.47	134.9	—	64.15	154.2	—	30.62	77.1
1948	3,087	59.72	143.5	3,494	68.03	161.6	1,768	34.44	85.7
1949	3,277	62.04	149.5	3,713	71.01	169.5	1,827	34.95	87.1
1950	3,521	66.98	161.8	3,980	76.07	182.0	1,998	38.21	96.0
1951	3,733	71.39	174.1	4,214	80.85	195.8	2,162	41.51	104.0
Non-ferrous metal products:									
1946	—	47.22	113.5	—	57.07	134.6	—	27.71	69.1
1947	—	54.49	133.2	—	64.87	155.9	—	30.41	77.6
1948	2,921	57.70	140.7	3,426	68.57	164.4	1,644	32.91	84.1
1949	3,189	60.25	147.3	3,776	71.43	170.9	1,794	33.95	87.5
1950	3,349	63.55	159.3	3,938	74.95	184.6	1,855	35.27	92.1
1951	3,585	73.63	185.9	4,188	85.63	213.0	1,968	40.21	105.5
Electrical apparatus and supplies:									
1946	—	45.46	114.8	—	54.74	136.5	—	27.68	71.7
1947	—	50.08	125.5	—	60.51	149.0	—	29.66	76.8
1948	2,767	52.96	135.8	3,267	62.39	158.7	1,735	33.14	86.5
1949	2,990	55.15	141.4	3,489	64.32	163.6	1,877	34.58	90.3
1950	3,083	58.61	151.8	3,608	68.11	175.5	1,905	35.99	94.7
1951	3,468	64.82	167.1	4,055	75.51	192.1	2,060	38.37	102.0
Non-metallic mineral products:									
1946	—	43.29	104.5	—	50.47	119.3	—	25.96	66.2
1947	—	50.43	123.3	—	58.09	140.6	—	29.76	74.4
1948	2,642	53.45	132.0	3,005	62.03	150.2	1,512	31.22	81.7
1949	2,837	53.94	135.2	3,218	62.87	154.1	1,635	31.96	84.5
1950	2,970	58.29	146.8	3,388	67.41	167.3	1,701	33.85	89.1
1951	3,297	66.34	168.8	3,793	76.94	192.8	1,904	38.61	102.7

TABLE 38. Average Annual, Weekly and Hourly Earnings of Salaried Employees in the Manufacturing Industries, by Industrial Groups, 1946-51 - Concluded

Year and Group	All salaried employees			Male			Female		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	\$	\$	cents	\$	\$	cents	\$	\$	cents
Products of petroleum and coal:									
1946	—	47.66	120.6	—	54.05	135.4	—	26.33	68.9
1947	—	55.06	141.9	—	61.43	157.1	—	32.07	86.0
1948	2,925	59.97	157.0	3,258	66.31	172.2	1,753	35.68	96.2
1949	3,100	61.40	161.6	3,490	68.49	177.4	1,769	34.70	96.1
1950	3,260	65.59	178.7	3,662	72.64	194.2	1,941	38.52	113.0
1951	3,662	74.52	194.1	4,147	81.92	211.7	2,161	42.72	115.1
Chemicals and allied products:									
1946	—	43.88	111.1	—	55.92	139.8	—	27.08	69.8
1947	—	49.19	126.1	—	62.01	157.0	—	30.28	79.0
1948	2,801	51.60	133.0	3,394	63.56	161.7	1,731	32.41	85.3
1949	2,883	54.89	141.8	3,481	67.30	171.7	1,782	34.46	91.1
1950	3,035	59.87	156.3	3,671	71.22	183.6	1,858	36.05	96.1
1951	3,379	66.37	171.9	4,061	78.79	202.5	2,079	40.31	106.1
Miscellaneous industries:									
1946	—	39.89	92.5	—	51.41	122.7	—	25.62	66.2
1947	—	45.34	108.2	—	61.81	150.0	—	29.22	75.7
1948	2,036	48.42	116.1	3,148	61.75	149.9	1,587	31.15	81.5
1949	2,179	50.47	124.6	3,435	63.44	154.3	1,700	31.43	83.6
1950	3,059	54.51	136.3	3,685	66.78	173.9	1,865	33.78	88.0
1951	3,246	60.89	156.5	3,960	75.50	188.3	1,925	36.73	99.3

Note. Average annual earnings cannot be calculated without a recomplation of the figures for 1946 and 1947 on the new standard classification basis.

A survey of weekly earnings of salaried employees, classified into (a) managerial and professional employees and (b) office workers was undertaken for the first time in 1951, and it is intended to repeat this survey every third year in the future. According to Table 39 below, weekly earnings for both sexes in 1951 averaged \$98.38 for managerial and professional employees and \$51.14 for office workers. Newfoundland with \$116.20 for both sexes was the highest paying province as regards managerial and professional employees, while British Columbia with \$55.75 was the highest paying province for office workers.

In the managerial classification, male employees in the paper products group with \$126.91 per week were the highest paid, followed by textile products (except clothing) with \$105.45, transportation equipment \$104.51, iron and steel prod-

ucts \$102.32, non-ferrous metal products \$101.79, products of petroleum and coal \$101.13, etc. Employees in the tobacco products group with \$86.56 were the lowest. In the same category, female employees of the transportation equipment group with \$60.71 were the highest, while female employees in the miscellaneous industries group with \$52.44 were the lowest paid.

In the office workers classification, the male employees in the tobacco products group received the highest weekly earnings of \$70.18 while male employees in the leather products group received the lowest earnings of \$53.97. In the case of female employees the ranking was the same as for male workers. Tobacco products ranked first with \$41.53 and leather products last with \$33.56.

TABLE 39. Average Weekly Earnings of the Salaried 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

Province	All salaried employees			Managerial and professional employees			Office workers		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
	\$	\$	\$	\$	\$	\$	\$	\$	\$
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	—	46.32	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

TABLE 39. Average Weekly Earnings of the Salaried 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 - Concluded

	All salaried employees			Managerial and professional employees			Office workers		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
	\$	\$	\$	\$	\$	\$	\$	\$	\$
Industrial group									
Foods and beverages	51.78	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	53.90	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 (textile and fur)	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

Distribution of Employees on the Basis of Weekly Earnings. Manufacturers were required to classify their male and female wage-earners and salaried employees into 16 groups of earnings, from \$10 or less to \$100 or more, rising by \$5 intervals from \$10 to \$59.99, and by \$10 intervals from \$60 to \$99.99. 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 1949 survey showed that 12.8 p.c. of the women wage-earners reported in manufacturing worked 30 hours or less, as compared with 4.3 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 40. Whereas in 1940 only 3 p.c. of male wage-earners and none of the female wage-earners received \$50 or more per week, in 1950 these percentages jumped to 52 and 4 respectively. The percentage of employees in the lower income groups declined accordingly. Whereas in 1940, 72 p.c. of male wage-earners received less than \$30 per week, in 1950 the percentage declined to 8. For female wage-earners the percentage in these groups declined from 99 to 54.

For salaried workers information on the distribution by income groups is only available for 1944 and 1950. Salaries, too, advanced to unprecedented heights. The percentage of male salaried workers receiving \$50 or more per week rose to 73 in 1950 from 39 in 1944, while for females the percentage in 1950 was 7 as compared with none in 1944. Tables 41 and 42 give the distribution by income groups of male and female wage-earners as well as salaried workers by provinces and major industrial groups for 1950.

TABLE 40. Distribution of Employees in the Manufacturing Industries, by Classes of Weekly Earnings, 1934-50¹

Range of earnings	Male wage-earners					Female wage-earners					Male salaried employees		Female salaried employees	
	1934	1936	1940	1944	1950	1934	1936	1940	1944	1950	1944	1950	1944	1950
	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.
Under \$10.00	12	10	6	3	1	34	30	23	10	3	1	—	2	—
\$10.00—\$19.99	43	40	29	9	2	61	65	68	45	16	6	1	31	4
20.00—29.99	32	35	37	25	5	4	4	8	33	35	13	5	52	27
30.00—39.99	10	11	19	31	14	1	1	1	10	30	21	8	13	43
40.00—49.99	2	3	6	20	26	—	—	—	2	12	20	13	2	19
50.00—59.99	1	1	3	9	28	—	—	—	—	2	15	19	—	5
60.00—69.99				2	14	—	—	—	—	2	9	17	—	1
70.00 and over				1	10	—	—	—	—	—	15	37	—	1
	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Average weekly earnings	\$20.31	\$20.92	\$24.32	\$34.95	\$50.93	\$11.80	\$12.20	\$13.52	\$20.89	\$29.00	\$46.24	\$69.35	\$23.79	\$34.38

1. Statistics for 1951 are not available. See text.

TABLE 41. Distribution of Employees in the Manufacturing Industries, by Classes of Weekly Earnings and by Sex and Province, 1950¹

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 and over	
	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	\$
Male wage-earners:											
Newfoundland ²											50.85
Prince Edward Island ²											35.97
Nova Scotia.....	4	14	22	27	20	8	3	1	1	—	42.98
New Brunswick.....	7	12	25	19	20	9	5	2	1	—	44.45
Quebec.....	4	8	18	27	23	11	5	2	1	1	48.15
Ontario.....	3	3	11	25	28	17	8	3	1	1	53.33
Manitoba.....	3	5	18	29	32	9	3	1	—	—	45.58
Saskatchewan.....	4	5	21	38	21	9	2	—	—	—	48.30
Alberta.....	3	4	16	36	29	8	3	1	—	—	47.09
British Columbia.....	3	2	6	23	41	15	6	2	1	1	53.34
Canada.....	3	5	14	26	28	14	6	2	1	1	50.93
Female wage-earners:											
Newfoundland ²											17.72
Prince Edward Island ²											16.46
Nova Scotia.....	50	38	9	3	—	—	—	—	—	—	20.89
New Brunswick.....	39	32	20	8	1	—	—	—	—	—	24.01
Quebec.....	24	37	27	9	3	—	—	—	—	—	27.65
Ontario.....	14	33	34	15	3	1	—	—	—	—	30.69
Manitoba.....	20	46	23	8	2	1	—	—	—	—	27.56
Saskatchewan.....	15	35	32	18	—	—	—	—	—	—	29.17
Alberta.....	11	35	34	19	1	—	—	—	—	—	30.61
British Columbia.....	14	32	37	14	3	—	—	—	—	—	30.84
Canada.....	19	35	30	12	2	1	—	1	—	—	29.00
Male salaried employees:											
Newfoundland ²											63.33
Prince Edward Island ²											48.55
Nova Scotia.....	1	5	12	17	20	19	8	7	4	7	61.20
New Brunswick.....	1	8	15	16	20	14	9	5	4	8	61.40
Quebec.....	1	6	10	15	18	16	10	7	4	13	68.13
Ontario.....	—	3	7	13	19	18	13	9	5	13	71.40
Manitoba.....	1	5	12	18	20	15	12	5	3	9	62.42
Saskatchewan.....	—	6	13	19	23	16	9	4	4	6	58.13
Alberta.....	2	5	9	17	20	18	12	6	3	8	62.62
British Columbia.....	1	2	6	13	19	19	13	10	6	11	69.77
Canada.....	1	5	8	13	19	17	12	8	5	12	69.35
Female Salaried employees:											
Newfoundland ²											26.55
Prince Edward Island ²											24.92
Nova Scotia.....	7	47	37	7	1	1	—	—	—	—	29.18
New Brunswick.....	11	49	30	8	2	—	—	—	—	—	28.71
Quebec.....	6	27	39	20	6	2	—	—	—	—	34.41
Ontario.....	4	26	45	20	4	1	—	—	—	—	34.84
Manitoba.....	3	42	39	12	3	1	—	—	—	—	32.01
Saskatchewan.....	1	36	49	11	2	1	—	—	—	—	32.34
Alberta.....	4	32	47	13	3	1	—	—	—	—	32.47
British Columbia.....	4	23	47	19	5	1	1	—	—	—	35.23
Canada.....	4	27	43	19	5	1	1	—	—	—	34.38

1. Statistics for 1951 are not available. See text.

2. Breakdown by class range not available.

TABLE 42. Distribution of Employees in the Manufacturing Industries, by Classes of Weekly Earnings and by Sex and Industrial Group, 1950¹

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 and over	
	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	\$
Male wage-earners:											
Foods and beverages	5	7	19	32	24	9	3	1	—	—	45.84
Tobacco and tobacco products	4	4	12	41	21	15	2	1	—	—	48.33
Rubber products	1	4	9	23	32	19	7	3	1	1	53.97
Leather products	12	16	24	27	15	5	1	—	—	—	38.96
Textile products (except clothing)	3	7	28	33	19	7	2	1	—	—	44.17
Clothing (textile and fur)	7	13	21	21	16	11	6	3	1	1	46.35
Wood products	5	10	23	26	25	7	2	1	1	—	44.48
Paper products	3	2	7	17	33	19	10	5	2	2	57.77
Printing, publishing and allied industries	5	9	12	12	15	18	13	7	4	5	57.64
Iron and steel products	2	3	9	29	30	15	7	3	1	1	53.18
Transportation equipment	1	2	9	22	33	18	10	3	1	1	55.67
Non-ferrous metal products	3	3	10	24	36	18	4	1	1	—	52.51
Electrical apparatus and supplies	2	3	8	26	28	19	9	3	1	1	55.03
Non-metallic mineral products	3	3	14	31	30	13	5	1	—	—	50.26
Products of petroleum and coal	—	—	4	21	38	26	7	2	1	1	56.09
Chemicals and allied products	1	3	13	32	33	12	4	1	1	—	50.54
Miscellaneous industries	4	10	24	28	21	8	3	1	1	—	44.48
All groups	3	5	14	26	28	14	6	2	1	1	50.93
Female wage-earners:											
Foods and beverages	28	40	25	7	—	—	—	—	—	—	25.35
Tobacco and tobacco products	4	14	48	26	8	—	—	—	—	—	36.83
Rubber products	10	20	41	24	4	1	—	—	—	—	34.23
Leather products	33	42	20	4	1	—	—	—	—	—	24.20
Textile products (except clothing)	11	30	43	13	3	—	—	—	—	—	31.49
Clothing (textile and fur)	24	42	23	8	2	1	—	—	—	—	26.75
Wood products	17	37	25	16	4	1	—	—	—	—	30.34
Paper products	17	39	34	9	1	—	—	—	—	—	28.71
Printing, publishing and allied industries	25	36	30	7	1	1	—	—	—	—	26.80
Iron and steel products	3	25	38	23	5	1	—	—	—	—	34.28
Transportation equipment	9	13	30	36	9	3	—	—	—	—	37.91
Non-ferrous metal products	20	34	26	14	4	1	—	1	—	—	29.88
Electrical apparatus and supplies	5	19	38	28	7	2	—	1	—	—	37.14
Non-metallic mineral products	14	32	31	20	3	—	—	—	—	—	31.32
Products of petroleum and coal	—	—	—	—	—	—	—	—	—	—	—
Chemicals and allied products	17	45	27	10	1	—	—	—	—	—	28.07
Miscellaneous industries	16	43	28	11	2	—	—	—	—	—	28.83
All groups	19	35	30	12	2	1	—	1	—	—	29.00
Male salaried employees:											
Foods and beverages	1	5	10	18	22	17	9	6	3	9	64.05
Tobacco and tobacco products	—	3	9	19	24	17	10	6	3	9	67.18
Rubber products	—	3	10	13	19	21	12	7	5	10	67.97
Leather products	2	6	14	18	20	15	8	4	2	11	61.26
Textile products (except clothing)	1	6	8	13	20	16	11	7	4	14	71.48
Clothing (textile and fur)	4	10	11	15	15	13	9	5	3	15	64.27
Wood products	1	3	9	16	20	17	11	8	5	10	65.90
Paper products	—	3	5	11	17	15	11	10	7	21	81.14
Printing, publishing and allied industries	5	9	13	16	15	12	9	6	4	11	61.75
Iron and steel products	1	3	8	15	19	18	12	8	5	11	69.29
Transportation equipment	—	2	5	10	15	18	18	12	6	14	76.07
Non-ferrous metal products	—	2	5	10	17	22	14	9	7	14	74.95
Electrical apparatus and supplies	—	2	6	14	22	20	13	8	5	10	68.11
Non-metallic mineral products	—	3	9	15	22	18	12	6	4	11	67.41
Products of petroleum and coal	—	1	5	12	21	16	13	13	7	12	72.64
Chemicals and allied products	—	3	8	14	19	18	11	9	5	13	71.22
Miscellaneous industries	1	5	11	16	19	16	10	6	4	12	66.78
All groups	1	5	8	13	19	17	12	8	5	12	69.35
Female salaried employees:											
Foods and beverages	6	29	43	17	4	1	—	—	—	—	32.92
Tobacco and tobacco products	2	17	33	39	8	1	—	—	—	—	39.48
Rubber products	3	29	49	15	3	1	—	—	—	—	33.26
Leather products	11	38	32	15	3	1	—	—	—	—	30.92
Textile products (except clothing)	4	33	42	14	5	1	—	1	—	—	33.08
Clothing (textile and fur)	9	32	33	17	5	2	1	—	—	1	33.33
Wood products	8	31	39	16	4	1	1	—	—	—	32.85
Paper products	4	23	42	23	6	2	—	—	—	—	35.64
Printing, publishing and allied industries	6	36	38	13	4	2	1	—	—	—	32.56
Iron and steel products	3	28	46	17	4	2	—	—	—	—	33.91
Transportation equipment	—	17	42	30	9	2	—	—	—	—	38.21
Non-ferrous metal products	3	24	46	21	5	1	—	—	—	—	35.27
Electrical apparatus and supplies	1	21	50	22	5	1	—	—	—	—	35.99
Non-metallic mineral products	2	31	46	17	3	1	—	—	—	—	33.85
Products of petroleum and coal	1	14	47	29	6	2	1	—	—	—	38.52
Chemicals and allied products	2	19	49	22	6	1	1	—	—	—	36.05
Miscellaneous industries	4	27	46	17	4	2	—	—	—	—	33.78
All groups	4	27	43	19	5	1	1	—	—	—	34.38

1. Statistics for 1951 are not available. See text.

2. Not available.

Real Earnings of Employees in Recent Years. When the index number representing the average yearly wages is divided by the consumer price index, on the same base, a measure of "real" wages is obtained. Index numbers for 1931 to 1951 are given in Table 43. In 1933, the height of the depression, real

wages 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 wages dropped to 94.6 and rose again to 103.6 in 1951.

TABLE 43. Average Yearly Earnings, and Index Numbers of Earnings, Consumer Price Index and Real Wages of Wage-Earners, in the Manufacturing Industries, 1931-51

Year	Wages paid \$	Average wage-earners No.	Average yearly earnings \$	Index numbers (1949 = 100)		
				Average yearly earnings	Consumer price index	Real value of average yearly earnings
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

Percentages of Salaries and Wages to Net Value of Products. Table 44 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 1938 and 1939, 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 254 p.c. during the period 1924-51 while wage-earners increased 142 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 \$5,409,894,882, \$2,538,469,764 or 47 p.c. was passed along in increased salaries and wages.

TABLE 44. Percentages of Salaries and Wages Paid to the Total Net Values of Manufacturing Production, 1924-51

Year	Value added by processes of manufacture ¹ \$	Salaries paid -\$	Wages paid \$	Percentages		
				of salaries to value added p.c.	of wages to value added p.c.	of total salaries and wages to value added p.c.
1924	1,075,458,459	130,344,822	404,122,853	12.1	37.6	49.7
1925	1,167,936,726	133,409,498	436,534,944	11.4	37.4	48.8
1926	1,305,168,549	142,353,900	483,328,342	10.9	37.0	47.9
1927	1,427,649,292	151,419,411	511,285,921	10.6	35.8	46.4
1928	1,597,887,676	162,903,007	558,568,627	10.2	35.0	45.2
1929	1,755,386,937	175,553,710	601,737,507	10.0	34.3	44.3
1930	1,522,737,125	169,992,216	527,563,162	11.2	34.6	45.8
1931	1,252,017,248	172,289,095	415,277,895	13.8	33.2	47.0
1932	955,960,724	151,355,790	322,245,926	15.8	33.7	49.5
1933	919,671,181	139,317,946	296,929,878	15.1	32.3	47.4
1934	1,087,301,742	148,760,126	355,090,929	13.7	32.7	46.4
1935	1,153,485,104	160,455,080	399,012,697	13.9	34.6	48.5
1936	1,289,592,672	173,198,057	438,873,377	13.4	34.0	47.4
1937	1,508,924,867	195,983,475	525,743,562	13.0	34.8	47.8

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

TABLE 44. Percentages of Salaries and Wages Paid to the Total Net Values of Manufacturing Production, 1924-51 — Concluded

Year	Value added by processes of manufacture ¹	Salaries paid	Wages paid	Percentages		
				of salaries to value added	of wages to value added	of total salaries and wages to value added
	\$	\$	\$	p.c.	p.c.	p.c.
1938	1,428,286,778	207,386,381	498,282,208	14.5	34.9	49.4
1939	1,531,051,901	217,839,334	519,971,819	14.2	34.0	48.2
1940	1,942,471,238	241,599,761	679,273,104	12.0	35.0	47.0
1941	2,605,119,788	286,336,861	978,525,782	11.0	37.6	48.6
1942	3,309,973,758	334,870,793	1,347,934,049	10.1	40.7	50.8
1943	3,816,413,541	388,857,505	1,598,434,879	10.2	42.0	52.2
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

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

Subsection 5. 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 1951, establishments with a production of \$1,000,000 or over increased to 2,332 while their contribution to the total output rose to 79 p.c.

TABLE 45. Manufacturing Establishments Classified According to Gross Value of Products 1929, 1939, 1944 and 1951

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.	\$	\$	\$	\$	\$
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			1951 ³		
	Estab- lishments	Total production	Average per estab- lishment	Estab- lishments	Total production	Average per estab- lishment
	No.	\$	\$	\$	\$	\$
Under \$25,000	13,942	128,782,147	9,237	15,795	144,070,647	9,121
\$ 25,000 but under \$ 50,000	4,011	143,023,914	35,658	5,008	180,206,518	35,984
50,000 " 100,000	3,442	245,273,500	71,259	4,767	342,573,146	71,863
100,000 " 200,000	2,513	355,235,489	141,359	3,919	555,921,461	141,853
200,000 " 500,000	2,256	714,546,348	316,731	3,543	1,119,627,024	316,011
500,000 " 1,000,000	943	661,670,696	701,666	1,657	1,169,467,365	705,774
1,000,000 " 5,000,000	1,089	2,294,546,053	2,107,021	1,764	3,735,332,441	2,117,535
5,000,000 and over	287	4,530,614,372	15,786,113	568	9,144,988,530	16,100,332
Totals and Averages	28,483	9,073,692,519	318,565	37,021	16,392,187,132	442,781

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

2. Exclusive of Yukon and the Northwest Territories.

3. Includes Newfoundland.

TABLE 46. Manufacturing Establishments Classified According to Gross Value of Products, by Industrial Group, 1951

Industrial group, by size	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost of materials	Gross value of products
	No.	No.	\$	\$	\$	\$
Food and Beverages:						
Under \$25,000	2,820	7,149	7,990,462	1,556,766	17,952,558	31,814,336
\$ 25,000 to \$ 49,999	1,363	6,507	9,308,803	1,527,849	32,453,209	49,174,573
50,000 " 99,999	1,352	9,280	14,627,981	2,389,428	69,220,831	97,755,273
100,000 " 199,999	1,079	11,265	19,483,408	3,108,269	112,276,265	153,770,944
200,000 " 499,999	849	18,881	36,207,039	4,914,063	179,867,765	260,406,755
500,000 " 999,999	383	18,044	38,547,477	5,048,492	174,823,863	270,138,921
1,000,000 " 4,999,999	412	50,604	119,172,418	12,559,444	560,375,129	874,575,057
5,000,000 and over	130	49,026	140,233,168	14,468,521	1,272,237,178	1,712,394,656
Head Offices ¹	—	1,737	7,288,679	10,001	—	—
Totals	8,388	172,493	392,859,435	45,582,833	2,419,206,798	3,450,030,515
Tobacco and Tobacco Products:						
Under \$25,000	24	76	73,576	4,971	82,011	177,791
\$ 25,000 to \$ 49,999	6	70	81,251	4,310	105,883	203,922
50,000 " 99,999	1	149	245,863	7,771	399,347	757,864
100,000 " 199,999	5	160	226,588	10,314	638,933	1,096,806
200,000 " 499,999	3	333	534,162	17,258	2,006,012	2,881,278
500,000 " 999,999	3	1,118	1,988,339	84,114	12,665,045	16,547,489
1,000,000 " 4,999,999	8	7,914	21,269,263	424,977	103,692,822	157,511,943
5,000,000 and over	12	6	19,176	—	—	—
Head Offices ¹	—	—	—	—	—	—
Totals	62	9,826	24,438,218	553,715	119,590,053	179,177,093
Rubber Goods:						
Under \$25,000	13	49	65,915	1,641	23,880	118,299
\$ 25,000 to \$ 49,999	3	24	46,377	785	37,579	109,618
50,000 " 99,999	5	118	271,500	17,233	290,394	717,142
100,000 " 199,999	2	408	926,220	72,408	1,574,108	3,631,132
200,000 " 499,999	11	332	809,099	48,306	1,341,312	2,817,568
500,000 " 999,999	4	3,797	8,885,897	631,144	15,434,735	33,479,385
1,000,000 " 4,999,999	15	18,240	53,098,039	2,770,342	128,249,642	270,805,345
5,000,000 and over	14	86	254,649	—	—	—
Head Offices ¹	—	—	—	—	—	—
Totals	67	23,054	64,357,696	3,541,859	146,951,650	311,678,489
Leather Products:						
Under \$25,000	187	630	778,915	38,045	1,010,426	2,098,560
\$ 25,000 to \$ 49,999	82	705	1,087,634	33,036	1,558,275	3,101,995
50,000 " 99,999	85	1,198	1,940,150	44,066	3,226,147	6,240,570
100,000 " 199,999	115	3,126	5,174,218	115,922	8,647,045	14,165,512
200,000 " 499,999	121	6,407	11,376,742	277,507	21,721,221	39,358,695
500,000 " 999,999	68	7,674	14,091,940	282,347	27,130,880	48,925,815
1,000,000 " 4,999,999	51	11,838	25,219,165	1,092,713	71,820,116	105,618,646
5,000,000 and over	2	—	—	—	—	—
Totals	711	31,578	59,668,764	1,883,636	135,114,110	221,882,794
Textile Products (except Clothing):						
Under \$25,000	190	679	973,168	39,641	703,185	2,144,188
\$ 25,000 to \$ 49,999	110	1,010	1,646,395	75,325	1,321,372	3,977,098
50,000 " 99,999	122	1,832	3,275,663	435,415	3,543,545	8,802,081
100,000 " 199,999	101	1,950	3,796,386	184,816	7,764,943	14,165,512
200,000 " 499,999	126	4,871	9,832,995	701,021	22,519,122	41,009,631
500,000 " 999,999	72	5,060	10,461,713	766,344	31,530,306	50,365,241
1,000,000 " 4,999,999	132	24,738	57,790,335	3,555,252	181,467,005	285,031,586
5,000,000 and over	39	39,811	89,785,327	7,778,940	246,434,624	440,981,966
Head Offices ¹	—	1,759	7,468,507	—	—	—
Totals	892	81,710	185,030,489	13,236,754	495,304,102	846,477,303
Clothing (Textile and Fur):						
Under \$25,000	495	2,029	2,695,764	73,526	2,731,952	6,651,146
\$ 25,000 to \$ 49,999	405	3,778	5,840,327	115,750	6,458,307	15,032,784
50,000 " 99,999	575	7,911	13,990,953	244,365	20,019,507	41,731,250
100,000 " 199,999	601	13,622	26,027,571	376,078	44,245,786	86,150,755
200,000 " 499,999	642	28,401	54,183,186	827,395	106,498,375	202,068,717
500,000 " 999,999	227	20,966	39,386,361	693,326	82,875,590	153,196,384
1,000,000 " 4,999,999	134	34,399	69,407,208	1,426,717	126,606,891	245,689,302
5,000,000 and over	4	4,167	8,778,218	235,573	15,910,710	29,491,687
Head Offices ¹	—	460	2,055,359	—	—	—
Totals	3,083	115,733	222,364,947	3,992,730	405,347,118	780,012,025
Wood Products:						
Under \$25,000	7,402	15,233	14,979,992	1,355,996	28,647,990	57,480,878
\$ 25,000 to \$ 49,999	1,508	8,652	13,636,424	1,005,350	28,009,404	53,500,229
50,000 " 99,999	1,212	12,853	22,629,320	1,527,650	45,148,953	85,989,470
100,000 " 199,999	808	15,109	29,918,299	1,920,952	58,404,431	112,578,268
200,000 " 499,999	614	23,068	50,343,041	2,412,736	102,580,725	192,098,309
500,000 " 999,999	235	17,831	42,846,457	1,709,336	87,194,828	164,886,221
1,000,000 " 4,999,999	178	26,385	69,278,881	2,548,219	172,014,888	312,074,759
5,000,000 and over	18	11,687	37,273,175	788,579	88,806,358	174,768,638
Head Offices ¹	—	460	2,156,485	—	—	—
Totals	11,975	131,278	283,062,074	13,268,818	610,807,577	1,153,376,772

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

TABLE 46. Manufacturing Establishments Classified According to Gross Value of Products, by Industrial Group, 1931
Continued

Industrial group by Size	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost of materials	Gross value of products
	No.	No.	\$	\$	\$	\$
Paper Products:						
Under \$25,000	47	135	218,455	14,810	205,230	501,266
\$ 25,000 to \$ 49,999	29	223	339,043	12,171	526,255	1,083,137
50,000 " 99,999	59	858	1,540,564	59,304	1,821,117	4,439,879
100,000 " 199,999	59	1,227	2,346,580	119,258	4,342,458	8,449,460
200,000 " 499,999	87	3,316	7,119,885	421,633	13,471,240	27,929,656
500,000 " 999,999	61	3,925	9,232,294	811,053	22,593,988	42,985,831
1,000,000 " 4,999,999	126	18,346	50,657,405	6,679,401	160,643,963	293,962,795
5,000,000 and over	79	52,806	193,583,063	70,310,917	479,884,402	1,210,490,138
Head Offices ¹	—	2,053	11,483,717	—	—	—
Totals	547	82,889	276,521,006	78,428,547	683,488,653	1,589,842,162
Printing, Publishing and Allied Industries:						
Under \$25,000	2,468	5,339	7,670,482	371,326	8,434,330	20,459,532
\$ 25,000 to \$ 49,999	557	4,167	8,087,576	231,399	6,992,875	19,838,628
50,000 " 99,999	400	5,210	12,178,450	304,978	9,604,762	28,556,006
100,000 " 199,999	244	5,757	14,159,630	280,732	11,402,736	34,076,425
200,000 " 499,999	191	9,792	25,899,022	548,911	18,531,140	61,013,604
500,000 " 999,999	85	8,472	23,540,272	548,911	18,502,480	59,424,738
1,000,000 " 4,999,999	64	17,251	49,702,862	932,970	48,888,290	139,931,028
5,000,000 and over	10	8,681	29,442,249	572,203	30,396,799	88,842,554
Head Offices ¹	—	25	148,187	—	—	—
Totals	4,019	64,694	170,828,730	3,746,534	152,753,412	452,142,515
Iron and Steel Products:						
Under \$25,000	610	1,938	3,369,057	223,636	2,120,230	7,420,629
\$ 25,000 to \$ 49,999	351	2,784	5,791,418	286,101	3,905,493	12,790,211
50,000 " 99,999	325	4,250	10,212,183	485,177	7,677,403	22,905,465
100,000 " 199,999	332	7,022	17,956,622	922,026	18,842,949	48,062,795
200,000 " 499,999	322	13,931	36,961,583	1,467,954	40,928,322	102,083,256
500,000 " 999,999	175	14,566	39,710,667	2,090,401	51,149,717	124,520,583
1,000,000 " 4,999,999	236	54,439	159,558,484	7,791,766	220,550,162	523,489,973
5,000,000 and over	84	83,807	271,430,772	39,482,759	515,391,234	1,063,377,218
Head Offices ¹	—	586	2,323,829	—	—	—
Totals	2,435	183,323	547,314,615	52,749,820	860,565,510	1,904,650,130
Transportation Equipment:						
Under \$25,000	225	602	849,688	47,955	633,269	1,857,721
\$ 25,000 to \$ 49,999	58	450	895,915	41,495	774,240	2,092,235
50,000 " 99,999	55	724	1,572,727	60,799	1,449,191	3,798,098
100,000 " 199,999	58	1,189	3,021,257	121,680	3,076,809	7,985,562
200,000 " 499,999	54	2,450	6,206,950	237,099	7,351,560	17,745,297
500,000 " 999,999	32	3,078	8,556,332	379,262	11,173,558	24,332,178
1,000,000 " 4,999,999	73	21,084	57,180,437	2,346,732	79,488,548	170,322,866
5,000,000 and over	44	92,911	289,709,253	10,751,612	766,231,619	1,313,455,871
Head Offices ¹	—	29	113,874	—	—	—
Totals	599	122,517	368,106,433	13,986,634	870,178,794	1,541,589,828
Non-ferrous Metal Products:						
Under \$25,000	137	382	611,632	36,072	480,902	1,402,888
\$ 25,000 to \$ 49,999	64	433	822,615	37,438	817,211	2,189,972
50,000 " 99,999	94	1,146	2,520,426	110,536	2,901,194	6,928,736
100,000 " 199,999	66	1,445	3,303,906	114,347	3,863,395	9,232,460
200,000 " 499,999	66	2,988	7,065,010	304,299	10,041,562	21,258,142
500,000 " 999,999	29	1,866	5,027,410	219,868	9,674,236	19,663,930
1,000,000 " 4,999,999	50	11,438	31,400,456	2,707,447	62,462,731	116,751,097
5,000,000 and over	30	29,656	97,247,473	46,039,562	707,171,532	1,076,171,943
Head Offices ¹	—	760	2,734,776	—	—	—
Totals	536	50,114	150,733,704	49,569,569	797,412,763	1,253,599,168
Electrical Apparatus and Supplies:						
Under \$25,000	62	166	258,865	12,928	270,235	658,923
\$ 25,000 to \$ 49,999	29	191	401,324	17,949	418,428	1,088,881
50,000 " 99,999	41	479	1,078,440	48,582	1,005,763	2,825,750
100,000 " 199,999	46	1,118	2,419,258	68,384	2,950,724	6,917,575
200,000 " 499,999	54	2,497	5,720,587	168,880	8,018,476	17,731,601
500,000 " 999,999	44	3,379	8,066,130	260,013	15,669,053	32,086,144
1,000,000 " 4,999,999	67	14,031	37,957,079	1,287,665	67,320,861	152,220,122
5,000,000 and over	30	44,683	135,109,551	3,980,379	220,907,767	462,479,963
Head Offices ¹	—	1,082	3,737,804	—	—	—
Totals	373	67,626	194,749,038	5,844,780	316,561,307	676,008,959
Non-metallic Mineral Products:						
Under \$25,000	405	1,229	1,921,882	314,291	1,392,092	3,890,374
\$ 25,000 to \$ 49,999	143	1,058	2,070,467	259,888	1,709,429	5,075,007
50,000 " 99,999	145	1,766	3,869,279	533,872	3,512,202	10,426,560
100,000 " 199,999	122	2,432	5,907,699	1,018,277	5,270,637	16,885,838
200,000 " 499,999	102	4,061	10,440,116	3,253,163	9,758,041	33,886,447
500,000 " 999,999	51	3,524	9,403,072	2,904,224	11,481,253	35,203,169
1,000,000 " 4,999,999	64	10,016	29,854,558	12,911,404	47,965,763	144,342,290
5,000,000 and over	10	6,814	20,240,654	9,319,749	27,922,284	85,165,713
Head Offices ¹	—	622	2,371,245	—	—	—
Totals	1,042	31,522	86,078,972	30,514,868	109,011,701	334,875,398

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

TABLE 46. Manufacturing Establishments Classified According to Gross Value of Products, by Industrial Group, 1931
Concluded

Industrial group, by size	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost of materials	Gross value of products
	No.	No.	\$	\$	\$	\$
Products of Petroleum and Coal:						
Under \$25,000	3	8	19,594	3,761	10,430	19,895
\$ 25,000 to \$ 49,999	8	34	69,033	6,754	121,539	250,949
50,000 " 99,999	6	42	129,154	24,073	189,428	417,958
100,000 " 199,999	7	78	184,587	19,512	545,558	1,005,663
200,000 " 499,999	7	238	614,989	76,668	965,257	2,267,220
500,000 " 999,999	8	367	926,871	270,581	4,030,463	6,060,312
1,000,000 " 4,999,999	16	3,584	11,910,491	7,076,348	97,470,566	42,929,432
5,000,000 and over	27	9,668	32,254,172	24,217,053	394,649,454	656,598,606
Head Offices ¹	—	1,579	5,838,999	—	—	—
Totals	82	15,598	51,947,890	31,694,750	497,982,695	709,550,035
Chemicals and Chemical Products:						
Under \$25,000	284	647	950,467	61,125	1,108,617	2,829,659
\$ 25,000 to \$ 49,999	94	525	1,072,286	71,907	1,473,710	3,452,503
50,000 " 99,999	118	986	2,217,831	168,549	3,975,625	8,599,045
100,000 " 199,999	116	1,554	3,628,525	251,469	6,866,215	16,962,760
200,000 " 499,999	163	3,805	9,843,748	797,135	23,636,379	54,558,515
500,000 " 999,999	126	6,068	15,839,631	1,169,861	42,653,390	94,228,058
1,000,000 " 4,999,999	102	12,304	34,025,436	4,976,062	114,545,550	220,205,275
5,000,000 and over	34	18,320	58,195,354	18,009,447	172,698,209	375,653,576
Head Offices ¹	—	1,455	5,536,873	—	—	—
Totals	1,037	45,664	131,310,151	25,505,555	366,957,695	776,489,391
Miscellaneous Manufacturing Industries:						
Under \$25,000	423	1,338	2,135,925	129,733	1,470,442	4,544,562
\$ 25,000 to \$ 49,999	198	1,492	2,986,560	150,950	2,524,881	7,244,776
50,000 " 99,999	172	2,242	4,528,113	307,366	4,766,597	12,750,780
100,000 " 199,999	158	3,457	7,364,375	444,927	8,884,049	22,070,150
200,000 " 499,999	131	5,879	12,709,191	427,640	18,804,979	41,483,241
500,000 " 999,999	54	5,014	11,570,887	473,010	15,839,798	37,750,994
1,000,000 " 4,999,999	36	9,111	24,976,146	678,968	35,001,669	84,960,052
5,000,000 and over	1	—	—	—	—	—
Head Offices ¹	—	223	637,558	—	—	—
Totals	1,173	28,756	66,908,755	2,612,594	87,292,415	210,804,555

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

TABLE 47. Principal Statistics of the Twenty-Five Leading Manufacturing Industries Classified According to Gross Value of Products, 1931

Industry and size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost of materials	Gross value of products
	No.	No.	\$	\$	\$	\$
1. Pulp and Paper:						
Under \$200,000	4	117	222,250	30,062	144,993	447,734
\$ 200,000 to \$ 499,999	8	310	766,422	186,004	817,125	2,668,449
500,000 " 999,999	11	557	1,495,806	503,069	3,856,129	7,736,627
1,000,000 " 4,999,999	36	5,832	17,979,494	5,137,352	48,306,600	99,271,690
5,000,000 and over	67	48,520	181,803,079	69,769,231	429,889,162	1,127,772,970
Head Offices ¹	—	1,955	10,902,855	—	—	—
Totals	126	57,291	213,169,906	75,625,718	483,014,009	1,237,897,470
2. Slaughtering and Meatpacking:						
Under \$50,000	3	8	15,168	2,351	55,803	75,960
\$ 50,000 to \$ 99,999	13	58	119,862	24,242	838,308	1,083,913
100,000 " 199,999	10	81	152,689	21,748	1,085,355	1,331,318
200,000 " 499,999	30	379	773,288	88,982	8,079,032	10,040,505
500,000 " 999,999	16	320	703,675	83,240	9,376,642	11,332,513
1,000,000 " 4,999,999	42	2,627	6,689,039	612,237	87,381,653	103,630,067
5,000,000 and over	41	17,441	53,655,154	3,402,450	660,550,004	764,596,365
Totals	155	20,914	62,108,875	4,235,250	767,366,797	892,090,641
3. Non-ferrous Metal Smelting and Refining:						
Under \$5,000,000	3	1,302	3,354,609	1,100,285	7,247,790	8,901,570
\$5,000,000 and over	14	21,512	72,119,896	43,583,915	546,411,150	852,414,360
Totals	17	22,814	75,474,505	44,684,200	553,658,940	861,315,930
4. Motor Vehicles:						
Under \$1,000,000	3	258	616,369	30,054	1,397,160	2,297,061
\$1,000,000 to \$4,999,999	8	1,104	3,087,739	95,274	7,816,476	13,744,311
5,000,000 and over	8	29,117	97,638,666	2,542,242	459,900,848	726,854,516
Totals	19	30,479	101,342,774	2,667,570	469,114,484	742,895,888

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

TABLE 47. Principal Statistics of the Twenty-Five Leading Manufacturing Industries Classified according to Gross Value of Products, 1951 - Continued

Industry and size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost of materials	Gross value of products
	No.	No.	\$	\$	\$	\$
5. Petroleum Products:						
Under \$25,000	3	8	19,494	3,761	10,430	19,895
\$ 25,000 to \$ 49,999	5	22	45,492	5,318	94,556	161,132
50,000 " 99,999	4	19	69,539	7,051	120,484	290,646
100,000 " 199,999	3	19	52,785	14,134	238,683	438,449
200,000 " 999,999	7	228	577,130	148,046	3,837,670	5,168,257
1,000,000 " 4,999,999	10	2,883	10,040,508	6,424,687	91,129,358	28,734,570
5,000,000 and over	20	5,853	20,434,679	17,967,858	343,035,958	564,127,567
Head Offices ¹	—	1,579	5,838,999	—	—	—
Totals	52	10,611	37,078,626	24,570,855	438,467,139	598,940,516
6. Sawmills:						
Under \$25,000	5,233	10,303	8,100,191	837,595	21,367,814	40,018,882
\$ 25,000 to \$ 49,999	1,046	5,423	7,877,567	644,703	20,645,920	37,098,170
50,000 " 99,999	782	7,483	12,127,082	917,305	30,676,474	55,475,497
100,000 " 199,999	475	7,803	14,913,811	1,135,967	34,193,958	65,024,199
200,000 " 499,999	243	7,861	17,948,180	998,460	37,530,295	73,763,825
500,000 " 999,999	72	4,559	12,157,156	493,536	25,826,768	50,744,622
1,000,000 " 4,999,999	69	9,649	28,207,214	908,665	70,001,445	128,966,544
5,000,000 and over	14	9,035	29,492,770	575,297	72,932,039	140,460,010
Head Offices ¹	—	299	1,434,636	—	—	—
Totals	7,934	62,415	132,058,007	6,511,528	313,174,713	591,551,749
7. Primary Iron and Steel:						
Under \$200,000	4	104	302,684	195,399	1,434,745	460,441
\$ 200,000 to \$ 499,999	6	317	1,049,315	88,951	393,094	2,222,527
500,000 " 999,999	8	922	2,559,289	359,513	1,544,396	5,979,805
1,000,000 " 4,999,999	14	2,144	6,595,950	735,077	13,976,808	28,817,594
5,000,000 and over	25	29,588	97,298,469	30,724,367	205,662,771	427,107,119
Head Offices ¹	—	318	756,095	—	—	—
Totals	57	33,393	108,561,802	32,103,307	223,011,814	464,587,486
8. Butter and Cheese:						
Under \$25,000	159	201	181,143	40,596	2,266,896	2,577,650
\$ 25,000 to \$ 49,999	285	483	559,641	141,818	9,640,468	10,782,128
50,000 " 99,999	394	1,166	1,576,737	394,449	25,828,721	28,894,168
100,000 " 199,999	418	2,112	3,618,379	823,925	51,603,432	59,333,082
200,000 " 499,999	295	3,711	7,281,009	1,451,319	71,729,547	88,170,113
500,000 " 999,999	83	3,098	6,931,482	1,140,728	42,098,780	56,406,250
1,000,000 " 4,999,999	52	7,713	19,870,542	2,200,046	67,231,919	102,390,175
5,000,000 and over	4	2,416	6,762,617	533,742	14,203,032	25,192,294
Totals	1,690	20,900	46,781,550	6,726,623	284,602,975	373,745,860
9. Rubber Goods, including Footwear:						
Under \$25,000	13	49	65,915	1,641	23,880	118,299
\$ 25,000 to \$ 49,999	3	24	46,377	785	37,579	109,618
50,000 " 99,999	5	77	157,777	13,372	96,485	347,349
100,000 " 199,999	13	449	1,039,943	76,269	1,768,017	4,000,925
200,000 " 499,999	4	332	809,099	48,306	1,341,312	2,817,568
500,000 " 999,999	15	3,797	8,885,897	631,144	15,434,735	33,479,385
1,000,000 " 4,999,999	14	18,240	53,098,039	2,770,342	128,249,642	270,805,345
Head Offices ¹	—	86	254,649	—	—	—
Totals	67	23,054	64,357,696	3,541,859	146,951,650	311,678,489
10. Railway Rolling Stock:						
Under \$500,000	4	150	364,922	20,780	474,149	971,485
\$ 500,000 to \$ 999,999	8	886	2,377,443	195,815	3,480,807	6,491,522
1,000,000 " 4,999,999	10	3,785	10,758,754	449,497	13,582,299	27,074,696
5,000,000 and over	15	28,589	80,527,715	4,101,031	158,427,534	266,089,538
Totals	37	33,410	94,028,834	4,767,123	175,964,789	300,627,241
11. Flour Mills:						
Under \$25,000	14	22	18,846	8,904	112,187	146,886
\$ 25,000 to \$ 49,999	7	16	31,680	4,193	201,083	247,594
50,000 " 99,999	9	41	75,579	25,879	567,311	699,761
100,000 " 199,999	13	82	174,490	27,629	1,680,447	2,031,384
200,000 " 499,999	15	147	317,330	58,506	4,075,143	4,758,104
500,000 " 999,999	11	206	519,903	79,704	7,326,165	8,455,049
1,000,000 " 4,999,999	22	860	2,118,435	315,811	40,409,214	46,737,514
5,000,000 and over	17	3,387	9,950,025	1,135,756	187,760,522	217,790,486
Head Offices ¹	—	103	390,309	—	—	—
Totals	108	4,864	13,596,597	1,656,382	242,132,072	280,866,778

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

TABLE 47. Principal Statistics of the Twenty-Five Leading Manufacturing Industries Classified according to Gross Value of Products, 1951 - Continued

Industry and size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost of materials	Gross value of products
	No.	No.	\$	\$	\$	\$
12. Cotton Yarn and Cloth:						
Under \$100,000	4	28	35,237	2,044	84,980	145,162
\$ 100,000 to \$ 199,000	4	85	162,999	9,959	329,535	608,698
200,000 " 499,000	6	271	527,887	46,493	1,344,934	2,089,566
500,000 " 999,999	4	367	774,812	88,270	2,085,812	3,143,109
1,000,000 " 4,999,999	18	5,011	11,130,552	619,900	28,477,101	47,199,143
5,000,000 and over	18	21,147	43,047,538	3,282,537	140,121,104	220,465,442
Head Offices ¹	—	723	3,055,808	—	—	—
Totals	54	27,632	58,734,833	4,049,203	172,443,466	273,651,120
13. Motor Vehicle Parts:						
Under \$25,000	21	66	102,209	7,870	78,995	243,254
\$ 25,000 to \$ 49,999	20	125	274,567	12,342	304,734	759,581
50,000 " 99,999	21	293	608,846	30,555	600,051	1,525,932
100,000 " 199,999	29	540	1,433,616	69,693	1,688,948	4,086,834
200,000 " 499,999	23	901	2,201,258	79,336	3,778,091	8,025,371
500,000 " 999,999	8	488	1,399,030	33,064	3,195,170	6,272,902
1,000,000 " 4,999,999	28	6,209	18,067,895	826,760	31,372,803	64,188,513
5,000,000 and over	11	12,546	41,081,868	2,211,450	101,822,143	178,030,707
Head Offices ¹	—	29	113,874	—	—	—
Totals	161	21,197	65,283,163	3,271,070	142,840,935	263,133,094
14. Miscellaneous Food n.e.s.:						
Under \$25,000	75	185	183,956	19,037	396,535	725,879
\$ 25,000 to \$ 49,999	26	158	209,922	21,892	504,399	958,222
50,000 " 99,999	54	404	761,527	53,169	2,445,551	3,922,970
100,000 " 199,999	36	439	718,863	90,199	3,686,429	5,435,224
200,000 " 499,999	51	1,139	2,306,677	204,890	10,748,896	16,001,520
500,000 " 999,999	34	1,314	2,711,580	297,900	16,549,550	23,576,326
1,000,000 " 4,999,999	38	2,687	6,074,158	696,535	70,705,013	92,339,406
5,000,000 and over	14	2,552	6,702,904	1,536,785	87,149,156	117,471,167
Head Offices ¹	—	316	1,295,539	—	—	—
Totals	328	9,194	20,965,126	2,920,407	192,185,529	260,430,714
15. Bread and other Bakery Products:						
Under \$25,000	1,473	4,052	5,208,638	1,008,539	9,212,284	18,273,288
\$ 25,000 to \$ 49,999	536	3,244	5,339,469	766,785	9,842,879	18,811,610
50,000 " 99,999	277	2,945	5,273,650	681,534	10,384,183	19,328,817
100,000 " 199,999	128	2,556	4,956,424	618,310	9,344,405	17,999,995
200,000 " 499,999	104	4,281	8,797,048	1,000,348	16,400,765	32,693,046
500,000 " 999,999	39	3,137	7,483,472	737,644	13,287,656	27,717,788
1,000,000 " 4,999,999	47	9,955	24,604,067	2,354,656	45,833,831	92,732,181
5,000,000 and over	3	2,074	5,423,760	391,433	7,070,690	17,731,645
Head Offices ¹	—	8	29,391	—	—	—
Totals	2,607	32,252	67,115,919	7,559,249	121,376,693	245,288,370
16. Clothing, Men's Factory:						
Under \$25,000	57	186	200,718	7,984	305,405	678,746
\$ 25,000 to \$ 49,999	34	222	312,628	7,185	647,731	1,278,026
50,000 " 99,999	96	1,129	1,779,636	36,678	3,567,626	7,001,251
100,000 " 199,999	107	2,292	3,742,725	49,525	8,783,521	16,074,461
200,000 " 499,999	156	6,706	11,837,631	178,974	27,746,981	50,260,182
500,000 " 999,999	75	6,442	11,870,688	138,498	29,583,945	51,953,322
1,000,000 and over	52	15,563	31,728,682	321,915	60,977,097	111,415,343
Head Offices ¹	—	192	843,458	—	—	—
Totals	577	32,732	62,316,166	740,759	131,612,306	238,661,331
17. Machinery, Heavy Electrical:						
Under \$50,000	5	36	67,880	2,253	48,450	172,134
\$ 50,000 to \$ 99,999	4	47	88,888	2,409	119,775	258,267
100,000 " 199,999	3	112	225,287	4,716	153,770	559,631
200,000 " 499,999	7	362	854,493	22,647	995,934	2,435,052
500,000 " 999,999	8	619	1,587,875	60,139	2,585,459	5,502,523
1,000,000 " 4,999,999	15	3,568	10,465,201	176,302	14,796,228	35,471,012
5,000,000 and over	8	19,497	58,708,097	1,554,863	77,904,835	177,170,486
Head Offices ¹	—	1,055	3,601,191	—	—	—
Totals	50	25,296	75,598,912	1,823,329	96,604,451	221,569,105
18. Electrical Apparatus and Supplies, n.e.s.:						
Under \$25,000	22	57	78,626	3,774	94,526	211,457
\$ 25,000 to \$ 49,999	12	73	150,165	9,538	181,796	465,151
50,000 " 99,999	17	194	417,610	13,854	379,902	1,149,912
100,000 " 199,999	22	506	1,155,909	34,272	1,390,742	3,235,418
200,000 " 499,999	21	848	1,887,863	68,454	2,905,993	6,466,670
500,000 " 999,999	20	1,321	3,389,832	127,546	7,418,607	15,141,847
1,000,000 " 4,999,999	18	3,178	8,633,284	359,173	13,986,350	36,581,761
5,000,000 and over	9	15,053	44,840,189	1,320,585	73,666,796	157,829,576
Head Offices ¹	—	27	136,613	—	—	—
Totals	141	21,257	60,690,091	1,937,196	100,024,712	221,081,792

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

TABLE 47. Principal Statistics of the Twenty-Five Leading Manufacturing Industries Classified according to Gross Value of Products, 1951 - Concluded

Industry and size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost of materials	Gross value of products
	No.	No.	\$	\$	\$	\$
19. Machinery, Industrial:						
Under \$25,000	43	143	248,941	14,689	170,120	566,691
\$ 25,000 to \$ 49,999	34	290	669,889	33,949	377,169	1,307,872
50,000 " 99,999	37	651	1,665,513	67,009	927,572	2,550,924
100,000 " 199,999	48	1,144	3,034,979	130,370	2,382,013	7,273,619
200,000 " 499,999	49	2,230	6,180,976	174,684	5,537,414	15,917,503
500,000 " 999,999	38	3,161	9,272,631	281,855	10,222,262	27,483,644
1,000,000 " 4,999,999	46	9,451	28,555,479	835,779	32,157,875	91,369,674
5,000,000 and over	5	4,920	16,537,073	734,209	27,331,727	55,520,130
Head Offices ¹	—	336	1,121,432	—	—	—
Totals	300	22,326	67,286,913	2,272,544	79,106,152	201,990,057
20. Fruit and Vegetable Preparations:						
Under \$25,000	109	307	242,318	29,509	683,796	1,107,969
\$ 25,000 to \$ 49,999	49	374	375,139	42,281	1,047,182	1,810,571
50,000 " 99,999	56	602	789,901	89,249	2,425,626	4,054,615
100,000 " 199,999	71	1,410	1,794,252	186,551	6,185,161	10,188,853
200,000 " 499,999	85	3,164	4,841,449	483,840	16,439,882	27,925,954
500,000 " 999,999	51	3,330	5,904,873	526,329	21,542,985	37,002,640
1,000,000 " 4,999,999	35	4,476	8,965,124	812,133	39,343,613	64,682,874
5,000,000 and over	3	2,475	6,360,667	556,743	28,384,430	54,005,674
Head Offices ¹	—	263	833,853	—	—	—
Totals	459	16,401	30,107,576	2,726,635	116,052,675	200,779,150
21. Clothing, Women's Factory:						
Under \$25,000	83	329	416,404	9,766	540,844	1,122,734
\$ 25,000 to \$ 49,999	99	820	1,256,837	18,035	1,922,602	3,918,784
50,000 " 99,999	169	2,216	4,112,358	51,969	6,305,591	12,550,810
100,000 " 199,999	237	5,361	10,674,732	103,151	16,948,399	33,841,910
200,000 " 499,999	238	10,049	20,436,082	173,855	38,069,224	74,351,705
500,000 " 999,999	65	5,966	11,909,731	99,802	22,250,808	41,775,061
1,000,000 " 4,999,999	21	3,944	7,946,684	60,949	16,098,051	30,189,930
Head Offices ¹	—	3	11,454	—	—	—
Totals	912	28,688	56,764,282	517,527	102,135,519	197,750,934
22. Sheet Metal Products:						
Under \$25,000	56	179	307,928	16,852	219,007	638,063
\$ 25,000 to \$ 49,999	33	266	541,537	22,984	388,933	1,170,607
50,000 " 99,999	29	320	806,917	28,301	805,435	2,069,014
100,000 " 199,999	47	848	1,958,173	75,612	2,791,431	6,491,521
200,000 " 499,999	42	1,719	4,567,697	157,607	6,627,612	13,717,485
500,000 " 999,999	33	2,432	6,489,504	295,197	10,470,073	22,259,080
1,000,000 " 4,999,999	29	6,776	19,252,992	789,908	37,037,811	71,824,153
5,000,000 and over	8	4,870	15,028,945	763,563	49,994,870	78,944,303
Head Offices ¹	—	27	83,659	—	—	—
Totals	277	17,437	49,037,352	2,150,024	108,335,172	197,114,226
23. Printing and Publishing:						
Under \$25,000	426	1,557	2,313,912	166,677	870,296	4,538,879
\$ 25,000 to \$ 49,999	133	1,284	2,378,926	97,994	897,288	4,779,304
50,000 " 99,999	90	1,522	3,264,988	107,801	1,291,446	6,290,249
100,000 " 199,999	40	1,236	2,764,302	71,032	1,044,611	5,583,729
200,000 " 499,999	45	2,912	7,419,596	207,569	3,333,525	16,041,734
500,000 " 999,999	34	3,619	9,922,851	233,494	5,548,740	24,171,248
1,000,000 " 4,999,999	26	8,263	24,142,088	478,916	19,482,666	65,970,090
5,000,000 and over	7	6,907	24,034,902	515,590	24,507,331	69,342,663
Totals	801	27,300	76,241,565	1,879,073	56,975,903	196,717,896
24. Furniture:						
Under \$25,000	719	1,647	2,588,542	155,794	2,763,099	6,721,105
\$ 25,000 to \$ 49,999	175	1,186	2,343,568	105,443	2,621,675	6,069,796
50,000 " 99,999	165	1,999	4,111,452	169,329	5,695,351	11,883,500
100,000 " 199,999	143	3,326	7,106,612	257,551	9,859,550	20,495,118
200,000 " 499,999	134	6,113	13,689,981	454,340	20,498,323	42,011,139
500,000 " 999,999	61	5,877	14,268,209	453,839	20,948,278	43,682,744
1,000,000 and over	33	7,126	17,322,911	513,568	27,937,246	60,044,027
Totals	1,430	27,274	61,429,275	2,109,864	90,323,522	190,907,429
25. Brass and Copper Products:						
Under \$25,000	33	86	139,520	14,824	141,425	360,746
\$ 25,000 to \$ 49,999	20	117	248,724	13,311	298,303	703,782
50,000 " 99,999	33	334	809,937	51,947	1,068,277	2,417,100
100,000 " 199,999	17	308	840,421	59,628	1,132,108	2,473,724
200,000 " 499,999	14	578	1,392,126	83,577	2,217,039	4,487,741
500,000 " 999,999	7	444	1,293,220	37,384	2,025,514	4,876,712
1,000,000 " 4,999,999	24	5,730	16,472,526	908,346	25,832,611	55,558,433
5,000,000 and over	5	2,461	8,041,263	948,689	88,988,601	109,149,649
Head Offices ¹	—	19	80,339	—	—	—
Totals	153	10,077	29,318,076	2,117,706	121,703,878	179,997,887

1. Under this heading are included only those head offices that 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 1951 only 67 establishments employed over 1,500 persons, as compared with 101 in 1944. The largest manufacturing plant in Canada employed over 12,000 persons in 1951, the next largest over 8,000 while the next three largest over 6,000 persons. The following is the size distribution of the highest group, 1,500 and over.

Employees	Establishments
Over 6,000	5
5,000 to 6,000	4
4,000 to 5,000	7
3,000 to 4,000	8
1,500 to 3,000	43
Total	67

TABLE 48. Manufacturing Establishments, Classified by Number of Employees per Establishment, and by Provinces, 1951

Province	Up to 500	500 to 799	800 to 999	1,000 to 1,499	1,500 or over	Total
Newfoundland	820	—	—	1	1	822
Prince Edward Island	237	—	—	—	—	237
Nova Scotia	1,465	4	—	4	1	1,474
New Brunswick	1,074	6	2	1	1	1,084
Quebec	11,726	62	23	26	24	11,861
Ontario	12,840	88	33	29	35	13,025
Manitoba	1,505	3	1	—	3	1,512
Saskatchewan	973	—	—	—	—	973
Alberta	2,114	3	—	1	—	2,118
British Columbia	3,872	15	5	3	2	3,897
Yukon and Northwest Territories	18	—	—	—	—	18
Canada	36,644	181	64	65	67	37,021

TABLE 49. Manufacturing Establishments Classified by Number of Employees per Establishment, 1929, 1939, 1944 and 1951

Group	1929 ¹			1939 ²		
	Estab- lishments	Employees	Average per estab- lishment	Estab- lishments	Employees	Average per estab- lishment
	No.	No.	No.	No.	No.	No.
Under 5 employees	12,273	30,446	2.5	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	658,059	26.5
	1944			1951 ⁴		
	Estab- lishments	Employees	Average per estab- lishment	Estab- lishments	Employees	Average per estab- lishment
Under 5 employees	13,208	29,958	2.3	17,044	35,441	2.1
5 to 14 employees	7,111	58,404	8.2	9,591	79,656	8.3
15 " 49 "	4,615	124,408	27.0	6,203	165,113	26.6
50 " 99 "	1,622	113,869	70.2	1,960	136,274	69.5
100 " 199 "	900	126,192	140.2	1,107	154,222	139.3
200 " 499 "	644	196,707	305.4	739	225,036	304.5
500 " 999 "	383	573,344	1,497.0	248	172,347	694.9
1,000 and over	—	—	—	129	277,364	2,150.0
Head offices ³	—	—	—	—	12,922	—
Totals and averages	28,483	1,222,882	42.9	37,021	1,258,375	34.0

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 a plant.

4. Includes Newfoundland.

TABLE 50. Principal Statistics of Manufacturing Industries, by Industrial Groups, Classified by Number of Employees per Establishment, 1951

Industrial group, by size	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost of materials	Gross value of products
	No.	No.	\$	\$	\$	\$
Canada:						
Under 5 employees	16,281	35,441	46,818,561	5,748,246	190,662,685	288,282,864
5 to 14 employees	9,591	79,656	152,675,486	12,279,235	440,118,639	745,049,795
15 " 49 "	6,203	165,113	359,402,676	25,049,747	958,174,600	1,691,984,149
50 " 99 "	1,960	136,274	314,586,011	23,685,628	896,287,506	1,578,946,251
100 " 199 "	1,107	154,222	373,197,906	30,715,930	1,075,172,583	1,902,215,281
200 " 499 "	739	225,036	610,860,008	78,152,536	1,774,863,439	3,237,747,662
500 " 999 "	248	172,347	499,779,570	71,412,940	1,546,733,659	2,794,342,755
1,000 and over	129	277,364	864,790,982	129,659,733	2,188,921,931	4,149,242,766
Not classifiable	763	—	—	—	3,591,311	4,375,609
Head Offices ¹	—	12,922	54,169,717	10,001	—	—
Totals	37,021	1,258,375	3,276,280,917	376,713,996	9,074,526,353	16,392,187,132
Foods and Beverages:						
Under 5 employees	4,225	9,893	13,483,980	3,140,095	121,902,594	150,414,719
5 to 14 employees	2,412	19,408	33,184,132	5,461,326	206,423,132	278,816,856
15 " 49 "	1,080	28,236	54,960,449	7,716,573	315,862,996	451,222,710
50 " 99 "	327	22,727	51,455,257	6,767,059	312,179,254	450,658,316
100 " 199 "	191	27,019	62,753,287	6,460,649	391,710,155	575,603,327
200 " 499 "	111	32,001	82,440,980	7,824,522	488,387,975	714,884,431
500 " 999 "	37	24,302	64,539,152	6,248,945	362,236,252	540,076,298
1,000 and over	5	7,170	22,753,519	1,953,663	220,504,440	288,353,856
Head Offices ¹	—	1,737	7,288,679	10,001	—	—
Totals	8,388	172,493	392,859,435	45,582,833	2,419,206,798	3,450,030,515
Tobacco and Tobacco Products:						
Under 5 employees	20	48	48,133	3,625	72,763	142,816
5 to 14 employees	10	85	109,658	5,538	175,170	326,933
15 " 49 "	10	306	506,727	27,441	1,768,471	3,321,576
50 " 99 "	5	391	718,155	61,704	15,685,692	17,366,569
100 " 199 "	5	730	1,394,539	53,153	19,363,017	21,929,988
200 " 499 "	6	1,695	3,349,366	114,791	25,584,487	32,341,894
500 and over	6	6,565	18,292,464	287,463	56,940,453	103,747,317
Head Office ¹	—	6	19,176	—	—	—
Totals	62	9,826	24,438,218	553,715	119,590,053	179,177,093
Rubber Products:						
Under 5 employees	7	16	19,717	423	10,556	45,138
5 to 14 employees	13	105	229,648	12,923	480,545	963,422
15 " 49 "	13	328	745,641	55,731	2,605,526	4,597,816
50 " 99 "	6	459	1,042,286	119,228	1,824,609	3,893,906
100 " 199 "	7	969	2,413,401	163,438	3,824,410	7,767,070
200 " 499 "	6	2,010	5,025,746	448,122	9,214,091	23,464,180
500 " 999 "	7	4,937	12,747,912	534,866	17,934,281	43,569,320
1,000 and over	8	14,144	41,878,696	2,207,126	111,057,632	227,377,637
Head Offices ¹	—	86	254,649	—	—	—
Totals	67	23,054	64,357,696	3,541,859	146,951,650	311,678,489
Leather Products:						
Under 5 employees	155	350	476,552	32,522	961,043	1,758,158
5 to 14 employees	172	1,502	2,482,030	82,634	4,972,157	8,904,270
15 " 49 "	206	5,914	10,578,026	306,146	21,588,119	38,101,619
50 " 99 "	88	6,388	11,711,196	283,286	24,985,551	43,161,250
100 " 199 "	61	8,650	16,538,219	527,247	36,154,623	60,302,685
200 " 499 "	28	8,774	17,882,741	651,801	46,452,617	69,654,812
500 and over	1	—	—	—	—	—
Totals	711	31,578	59,668,764	1,883,636	135,114,110	221,882,794
Textile Products (except clothing):						
Under 5 employees	155	393	629,326	30,064	2,130,343	3,383,471
5 to 14 employees	247	2,150	4,060,376	195,961	17,111,130	24,651,323
15 " 49 "	255	6,918	13,618,292	812,602	47,273,147	74,059,957
50 " 99 "	93	6,729	13,891,244	930,635	56,162,118	83,982,937
100 " 199 "	52	7,399	16,670,671	1,124,583	46,964,926	78,601,899
200 " 499 "	58	17,812	42,376,896	2,778,396	117,487,642	192,473,480
500 " 999 "	16	11,538	26,369,912	1,721,516	72,844,596	129,412,719
1,000 and over	16	27,012	59,945,285	5,642,997	135,330,200	259,911,517
Head Offices ¹	—	1,759	7,468,507	—	—	—
Totals	892	81,710	185,030,489	13,236,754	495,304,102	846,477,303

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

TABLE 50. Principal Statistics of Manufacturing Industries, by Industrial Groups, Classified by Number of Employees per Establishment, 1951 - Continued

Industrial group, by size	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost of materials	Gross value of products
	No.	No.	\$	\$	\$	\$
Clothing (Textile and fur):						
Under 5 employees	509	1,313	2,479,810	57,340	9,140,788	16,242,296
5 to 14 employees	905	8,025	15,914,884	302,965	39,035,325	71,944,895
15 " 49 "	1,086	29,858	57,969,467	794,676	104,858,442	200,859,591
50 " 99 "	339	23,129	42,786,190	678,297	80,014,080	152,343,525
100 " 199 "	163	22,183	40,258,585	748,503	72,840,135	142,129,631
200 " 499 "	67	20,313	40,783,818	965,451	63,291,749	128,634,607
500 and over	14	10,452	20,116,834	445,498	36,166,599	67,857,480
Head Offices ¹	—	460	2,055,359	—	—	—
Totals	3,083	115,733	222,364,947	3,992,730	405,347,118	780,012,025
Wood Products:						
Under 5 employees	7,607	15,213	15,603,937	1,426,144	36,431,515	69,054,923
5 to 14 employees	2,645	21,485	37,406,579	2,618,126	87,695,979	160,005,042
15 " 49 "	1,224	31,306	66,885,579	3,818,585	156,775,233	283,092,847
50 " 99 "	295	20,000	46,307,476	2,066,817	98,551,279	182,461,752
100 " 199 "	142	19,236	46,958,706	1,718,501	89,223,125	174,365,057
200 " 499 "	48	13,471	35,465,338	990,722	65,844,070	134,668,774
500 and over	14	10,107	32,277,974	629,923	76,286,376	149,728,377
Head Offices ¹	—	460	2,156,485	—	—	—
Totals	11,975	131,278	283,062,074	13,268,818	610,807,577	1,153,376,772
Paper Products:						
Under 5 employees	53	130	255,560	24,338	843,029	1,341,976
5 to 14 employees	86	789	4,670,214	123,904	5,108,598	9,039,115
15 " 49 "	156	4,548	10,408,509	711,082	28,226,439	52,633,011
50 " 99 "	76	5,551	13,282,784	1,571,836	42,464,337	79,301,902
100 " 199 "	75	10,613	28,753,814	4,126,479	91,969,302	178,954,741
200 " 499 "	54	16,419	53,115,750	14,857,723	154,925,359	345,032,230
500 " 999 "	30	20,707	74,091,306	27,171,538	183,244,091	469,499,310
1,000 and over	17	22,079	83,459,352	29,841,647	176,707,498	454,039,877
Head Office ¹	—	2,053	11,483,717	—	—	—
Totals	547	82,889	276,521,006	78,428,547	683,488,653	1,589,842,162
Printing, Publishing and Allied Industries:						
Under 5 employees	1,509	3,393	5,567,086	268,975	6,977,196	16,257,690
5 to 14 employees	1,030	8,436	17,627,066	485,629	14,413,157	42,772,623
15 " 49 "	464	11,743	28,978,262	634,501	22,207,964	69,078,840
50 " 99 "	141	9,788	26,585,655	578,555	19,276,196	64,718,294
100 " 199 "	62	8,869	24,076,485	523,672	22,567,397	64,924,147
200 " 499 "	37	11,889	32,444,242	627,002	30,138,440	90,433,619
500 " 999 "	10	6,718	22,311,684	398,903	18,543,972	62,106,011
1,000 and over	3	3,833	13,090,063	229,297	15,037,779	37,475,682
Not Classifiable	763	—	—	—	3,591,311	4,375,609
Head Offices ¹	—	25	148,187	—	—	—
Totals	4,019	64,694	170,828,730	3,746,534	152,753,412	452,142,515
Iron and Steel Products:						
Under 5 employees	546	1,314	2,530,733	194,516	2,874,510	7,832,991
5 to 14 employees	710	6,181	14,238,095	726,229	15,561,265	41,477,162
15 " 49 "	631	17,056	44,690,297	2,054,626	59,371,672	138,291,767
50 " 99 "	204	14,516	39,344,251	1,822,750	60,139,647	139,336,391
100 " 199 "	122	16,629	48,797,932	2,672,364	67,992,797	163,135,560
200 " 499 "	155	46,921	138,664,204	8,015,044	207,971,069	487,945,153
500 " 999 "	34	21,237	65,431,482	5,595,163	113,810,331	249,571,241
1,000 and over	33	58,883	191,293,792	31,669,128	332,844,219	677,059,865
Head Offices ¹	—	586	2,323,829	—	—	—
Totals	2,435	183,323	547,314,615	52,749,820	860,565,510	1,904,650,130
Transportation Equipment:						
Under 5 employees	201	428	617,239	38,526	577,639	1,560,033
5 to 14 employees	137	1,185	2,619,693	109,640	3,850,479	8,267,172
15 " 49 "	96	2,567	6,445,081	254,009	10,087,302	21,722,891
50 " 99 "	42	2,942	7,823,094	261,572	13,026,068	27,555,144
100 " 199 "	39	5,738	15,572,052	694,778	25,892,260	54,148,914
200 " 499 "	34	11,317	32,506,303	1,430,188	55,490,842	110,594,724
500 " 999 "	26	18,783	55,379,289	2,971,227	171,110,197	276,427,335
1,000 and over	24	79,528	247,029,808	8,226,694	590,144,007	1,041,313,615
Head Offices ¹	—	29	113,874	—	—	—
Totals	599	122,517	368,106,433	13,986,634	870,178,794	1,541,589,828

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

TABLE 50. Principal Statistics of Manufacturing Industries, by Industrial Groups, Classified by Number of Employees per Establishment, 1951 - Concluded

Industrial group, by size	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost of materials	Gross value of products
	No.	No.	\$	\$	\$	\$
Non-Ferrous Metal Products:						
Under 5 employees	137	331	589,967	38,088	730,107	1,739,703
5 to 14 employees	151	1,286	2,960,528	139,866	6,138,704	11,402,649
15 " 49 "	130	3,390	8,356,158	458,004	38,284,920	55,328,823
50 " 99 "	50	3,503	9,155,229	596,124	37,805,059	58,453,420
100 " 199 "	22	3,141	7,968,334	922,826	67,076,028	80,358,849
200 " 499 "	27	9,833	28,604,734	7,067,126	105,140,761	166,631,533
500 " 999 "	13	8,460	24,533,104	9,897,222	229,967,079	337,749,916
1,000 and over	6	19,410	65,830,874	30,450,313	312,270,105	541,934,275
Head Offices ¹	—	760	2,734,776	—	—	—
Totals	536	50,114	150,733,704	49,569,569	797,412,763	1,253,599,168
Electrical Apparatus and Supplies:						
Under 5 employees	63	138	250,783	20,584	439,921	925,001
5 to 14 employees	71	628	1,367,054	45,820	2,524,107	5,250,247
15 " 49 "	88	2,537	5,986,776	227,112	11,995,132	24,619,273
50 " 99 "	52	3,737	8,794,559	286,405	18,613,497	37,576,266
100 " 199 "	41	5,655	14,192,223	488,030	26,971,746	59,149,515
200 " 499 "	32	9,616	27,064,277	960,867	58,662,453	117,404,275
500 " 999 "	22	18,377	56,352,698	1,623,278	88,404,564	176,220,647
1,000 and over	4	25,856	77,002,864	2,192,684	108,949,887	254,863,735
Head Offices ¹	—	1,082	3,737,804	—	—	—
Totals	373	67,626	194,749,038	5,844,780	316,561,307	676,008,959
Non-Metallic Mineral Products:						
Under 5 employees	372	831	1,317,859	220,546	1,894,439	4,513,738
5 to 14 employees	323	2,686	5,941,001	966,487	7,536,787	19,753,454
15 " 49 "	208	5,361	13,447,139	4,361,482	15,681,958	52,450,471
50 " 99 "	72	4,835	12,920,040	4,359,228	16,216,010	50,575,155
100 " 199 "	40	5,712	15,996,002	6,815,603	23,160,962	71,965,867
200 " 499 "	19	5,356	16,331,244	8,901,352	20,005,936	71,647,771
500 and over	8	6,119	17,754,442	4,870,170	24,515,609	63,968,942
Head Offices ¹	—	622	2,371,245	—	—	—
Totals	1,042	31,522	86,078,972	30,514,868	109,011,701	334,875,398
Products of Petroleum and Coal:						
Under 5 employees	8	22	46,996	3,228	83,525	203,042
5 to 14 employees	15	133	355,658	50,257	2,722,377	3,438,056
15 " 49 "	15	395	1,041,535	189,172	8,919,454	12,082,248
50 " 99 "	15	1,067	3,140,750	1,623,180	30,692,020	45,555,426
100 " 199 "	8	1,035	3,161,176	1,626,868	34,079,398	42,741,009
200 " 499 "	16	5,609	18,788,726	15,403,524	230,020,597	346,732,225
500 and over	5	5,758	19,574,050	12,798,521	191,465,324	258,818,029
Head Offices ¹	—	1,579	5,838,999	—	—	—
Totals	82	15,598	51,947,890	31,694,750	497,982,695	709,550,035
Chemicals and Allied Products:						
Under 5 employees	333	710	1,255,975	124,388	3,315,945	7,498,968
5 to 14 employees	288	2,448	6,101,679	523,778	18,226,170	38,202,140
15 " 49 "	247	6,831	18,130,959	1,859,763	88,897,967	155,260,861
50 " 99 "	91	6,093	15,528,667	1,368,890	52,029,105	105,152,778
100 " 199 "	35	5,042	14,528,119	1,547,574	38,711,236	85,811,619
200 " 499 "	30	9,827	30,197,291	6,907,065	89,660,887	187,313,266
500 " 999 "	7	5,238	13,542,892	2,339,019	22,097,184	57,853,014
1,000 and over	6	8,020	26,487,696	10,835,078	54,019,201	139,396,745
Head Offices ¹	—	1,455	5,536,873	—	—	—
Totals	1,037	45,664	131,310,151	25,505,555	366,957,695	776,489,391
Miscellaneous Industries:						
Under 5 employees	391	918	1,644,908	124,844	2,276,772	5,368,201
5 to 14 employees	376	3,124	6,407,191	408,152	8,143,557	19,834,434
15 " 49 "	294	7,819	16,653,779	768,242	23,769,858	55,259,848
50 " 99 "	64	4,419	10,099,178	310,062	16,622,984	36,873,220
100 " 199 "	42	5,602	13,164,361	501,562	16,671,066	40,325,403
200 " 499 "	11	2,874	7,075,718	222,728	9,363,464	21,985,688
500 and over	5	3,777	11,226,062	276,904	10,444,714	31,157,761
Head Offices ¹	—	223	637,558	—	—	—
Totals	1,173	28,756	66,908,755	2,612,594	87,292,415	210,804,555

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

Size of Establishment in Leading Industries. Table 51 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 51. Percentage Importance of Establishments, each Employing 200 or more Persons in the Twenty-Five Leading Industries, 1951

No.	Industry	Number of such establishments	Percentage of total number in the industry	Percentage of total production in the industry
1	Pulp and paper	75	59.5	92.5
2	Slaughtering and meat packing	27	17.4	72.2
3	Non-ferrous metal smelting and refining	16	94.1	98.1
4	Motor vehicles	9	47.4	98.3
5	Petroleum products	13	25.0	85.0
6	Sawmills	27	0.4	30.8
7	Primary iron and steel	32	56.1	94.4
8	Butter and cheese	18	1.1	18.6
9	Rubber goods, including footwear	21	31.3	86.6
10	Railway rolling-stock	24	64.8	95.9
11	Flour mills	9	8.4	50.6
12	Cotton yarn and cloth	30	55.5	94.4
13	Motor vehicle parts	22	13.7	81.3
14	Miscellaneous food preparations	3	0.9	13.1
15	Bread and other bakery products	23	0.9	28.8
16	Clothing, men's factory	28	4.8	33.8
17	Machinery, heavy electrical	16	32.0	90.2
18	Miscellaneous electrical apparatus and supplies	13	9.2	45.4
19	Machinery, industrial	29	9.7	54.8
20	Fruit and vegetable preparations	6	0.2	30.4
21	Clothing, women's factory	7	0.7	6.4
22	Sheet metal products	28	10.1	68.5
23	Printing and publishing	28	3.0	65.5
24	Furniture	16	1.1	18.1
25	Brass and copper products	15	9.8	53.4

TABLE 52. Principal Statistics of the Twenty-Five Leading Manufacturing Industries Classified according to the Number of Employees per Establishment, 1951

Industry and Size Group	Estab-lish-ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost of materials	Gross value of products
	No.	No.	\$	\$	\$	\$
1. Pulp and Paper:						
Under 50 employees	15	446	1,150,477	370,450	2,596,143	6,325,917
50 to 99 employees	17	1,209	3,530,383	1,151,843	11,852,973	23,510,175
100 " 199 "	19	2,821	8,875,522	3,087,261	26,676,595	63,458,122
200 " 499 "	32	10,508	37,550,323	14,265,460	98,692,607	253,455,501
500 and over	43	40,352	151,160,346	56,750,704	343,195,691	891,147,755
Head Offices ¹	—	1,955	10,902,855	—	—	—
Totals	126	57,291	213,169,906	75,625,718	483,014,009	1,237,897,470
2. Slaughtering and Meat Packing:						
Under 5 employees	16	47	98,541	19,571	1,545,392	1,794,878
5 to 14 employees	37	328	767,895	115,205	21,243,417	23,122,165
15 " 49 "	39	955	2,183,860	196,928	33,789,999	39,742,095
50 " 99 "	19	1,340	3,852,957	389,151	65,312,066	73,468,374
100 " 199 "	17	2,560	6,880,207	593,085	93,072,349	109,677,916
200 " 499 "	16	5,203	15,486,679	918,684	173,057,056	198,817,285
500 and over	11	10,481	32,838,736	2,002,626	379,346,518	445,467,928
Totals	155	20,914	62,108,875	4,235,250	767,366,797	892,090,641
3. Non-ferrous Metal Smelting and Refining:						
Under 500 employees	7	3,007	9,253,031	6,399,738	74,347,414	98,893,510
500 and over	10	19,807	66,221,474	38,284,462	479,311,526	762,422,420
Totals	17	22,814	75,474,505	44,684,200	553,658,940	861,315,930

TABLE 52. Principal Statistics of the Twenty-Five Leading Manufacturing Industries Classified According to the Number of Employees per Establishment, 1951 - Continued

Industry and Size Group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost of materials	Gross value of products
	No.	No.	\$	\$	\$	\$
4. Motor Vehicles:						
Under 50 employees	6	480	1,276,127	50,618	4,250,087	6,617,383
100 to 199 employees	4	647	1,642,843	68,397	2,588,050	5,775,203
200 " 499 "	3	691	2,109,219	125,638	12,907,192	19,333,262
500 and over	6	28,661	96,314,585	2,422,917	449,369,155	711,170,040
Totals	19	30,479	101,342,774	2,667,570	469,114,484	742,895,888
5. Petroleum Products:						
Under 5 employees	6	16	32,396	1,792	72,017	138,456
5 to 14 employees	9	64	179,609	28,878	657,477	1,083,046
15 " 49 "	8	248	622,286	131,288	7,364,256	9,230,314
50 " 99 "	10	711	2,225,372	1,315,995	28,788,451	41,279,910
100 " 199 "	6	681	2,267,909	1,412,943	33,166,516	38,263,240
200 " 499 "	10	3,563	12,385,673	10,992,730	200,669,342	288,159,271
500 and over	3	3,749	13,526,382	10,687,229	167,749,080	220,786,279
Head Offices ¹	—	1,579	5,838,999	—	—	—
Totals	52	10,611	37,078,626	24,570,855	438,467,139	598,940,516
6. Sawmills:						
Under 5 employees	5,517	11,079	9,472,898	964,393	27,773,822	50,604,541
5 to 14 employees	1,692	13,485	21,600,398	1,690,089	56,917,991	103,255,268
15 " 49 "	574	13,828	29,778,380	1,879,995	71,322,871	132,969,417
50 " 99 "	87	6,071	15,417,105	695,795	32,039,240	62,409,256
100 " 199 "	37	5,270	14,624,540	454,070	28,403,923	59,990,912
200 " 499 "	16	4,589	14,068,056	380,178	34,572,755	61,778,554
500 and over	11	7,794	25,662,594	447,008	62,144,111	120,543,801
Head Offices ¹	—	299	1,434,636	—	—	—
Totals	7,934	62,415	132,058,607	6,511,528	313,174,713	591,551,749
7. Primary, Iron and Steel:						
Under 50 employees	8	256	854,475	261,672	1,670,817	1,804,945
50 to 99 employees	4	316	945,485	97,024	2,826,099	5,089,212
100 " 199 "	13	1,657	4,908,989	687,876	9,052,047	19,140,954
200 " 499 "	11	3,292	10,554,135	1,905,021	17,134,228	47,296,827
500 and over	21	27,860	91,240,408	29,151,714	192,328,623	391,255,548
Head Offices ¹	—	12	58,310	—	—	—
Totals	57	33,393	108,561,802	32,103,307	223,011,814	464,587,486
8. Butter and Cheese:						
Under 5 employees	1,088	2,613	3,464,736	922,517	72,240,700	79,979,491
5 to 14 employees	378	2,997	5,691,047	1,283,232	70,959,640	84,112,956
15 " 49 "	150	3,784	7,861,935	1,554,483	54,639,311	71,175,297
50 " 99 "	36	2,521	5,857,666	757,704	22,353,597	34,057,559
100 " 199 "	20	2,834	6,810,106	753,595	22,500,839	34,784,997
200 " 499 "	14	3,735	10,333,443	921,350	27,705,856	44,444,266
500 and over	4	2,416	6,762,617	533,742	14,203,032	25,191,294
Totals	1,690	20,900	46,781,550	6,726,623	284,602,975	373,745,860
9. Rubber Goods including Footwear:						
Under 5 employees	7	16	19,717	423	10,556	45,138
5 to 14 employees	13	105	229,648	12,923	480,545	963,422
15 " 49 "	13	328	745,641	55,731	2,605,526	4,597,816
50 " 99 "	6	459	1,042,286	119,228	1,824,609	3,893,906
100 " 199 "	7	969	2,413,401	163,438	3,824,410	7,767,070
200 " 499 "	6	2,010	5,025,746	448,122	9,214,091	23,464,180
500 and over	15	19,081	54,626,608	2,741,994	128,991,913	270,946,957
Head Offices ¹	—	86	254,649	—	—	—
Totals	67	23,054	64,357,696	3,541,859	146,951,650	311,678,489
10. Railway Rolling Stock:						
5 to 14 employees	3	30	94,233	1,823	608,414	784,243
15 " 49 "	2	—	—	—	—	—
50 " 99 "	3	295	751,297	34,736	3,126,033	5,949,275
100 " 199 "	5	706	1,977,812	156,885	2,687,142	5,583,154
200 " 499 "	5	1,565	4,142,204	204,230	3,687,682	8,839,171
500 and over	19	30,814	87,063,288	4,369,449	165,855,518	279,471,398
Totals	37	33,410	94,028,834	4,767,123	175,964,789	300,627,241
11. Flour Mills:						
Under 5 employees	26	49	76,900	23,362	699,059	856,546
5 to 14 employees	35	283	622,844	120,731	9,151,956	10,675,130
15 " 49 "	24	592	1,552,812	231,202	27,527,699	31,659,390
50 " 99 "	7	500	1,338,547	199,265	30,792,542	34,048,567
100 " 199 "	7	885	2,244,927	365,454	52,018,642	61,532,233
200 " 499 "	9	2,452	7,370,258	716,368	121,942,174	142,094,912
Head Offices ¹	—	103	390,309	—	—	—
Totals	108	4,864	13,596,597	1,656,382	242,132,072	280,866,778

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

TABLE 52. Principal Statistics of the Twenty-Five Leading Manufacturing Industries, Classified according to the Number of Employees per Establishment, 1951 - Continued

Industry and Size Group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost of materials	Gross value of products
	No.	No.	\$	\$	\$	\$
12. Cotton Yarn and Cloth:						
Under 5 employees	5	37	63,132	3,357	159,989	276,762
15 to 49 employees	8	231	482,636	26,314	1,639,752	2,483,543
50 " 99 "	4	310	630,863	82,483	2,421,978	3,102,861
100 " 199 "	7	965	2,128,637	169,877	6,037,379	9,516,848
200 " 499 "	14	4,762	10,596,979	654,326	30,916,906	49,343,607
500 and over	16	20,604	41,776,778	3,112,846	131,267,462	208,927,499
Head Offices ¹	—	723	3,055,808	—	—	—
Totals	54	27,632	58,734,833	4,049,203	172,443,466	273,651,120
13. Motor Vehicle Parts:						
Under 5 employees	23	64	120,972	8,699	139,514	373,462
5 to 14 employees	45	408	1,021,755	44,141	1,864,574	3,887,519
15 " 49 "	44	1,218	3,055,082	138,056	4,823,772	10,815,681
50 " 99 "	12	869	2,227,481	61,131	4,657,504	8,654,093
100 " 199 "	15	2,133	5,847,967	269,990	13,177,712	25,524,346
200 " 499 "	12	3,925	12,028,020	568,043	25,682,423	47,703,242
500 and over	10	12,551	40,868,012	2,181,010	92,495,436	166,174,751
Head Offices ¹	—	29	113,874	—	—	—
Totals	161	21,197	65,283,163	3,271,070	142,840,935	263,133,094
14. Miscellaneous Food Preparations:						
Under 5 employees	85	195	264,074	23,247	1,465,947	2,139,322
5 to 14 employees	117	951	1,801,452	178,418	10,687,847	15,107,622
15 " 49 "	80	2,310	4,689,614	459,712	42,641,778	55,794,832
50 " 99 "	26	1,913	4,614,238	978,067	48,415,734	64,235,404
100 " 199 "	17	2,305	5,281,562	351,354	66,821,330	89,087,358
200 and over	3	1,204	3,018,647	929,609	22,152,893	34,066,176
Head Offices ¹	—	316	1,295,539	—	—	—
Totals	328	9,194	20,965,126	2,920,407	192,185,529	260,430,714
15. Bread and Other Bakery Products:						
Under 5 employees	1,435	3,479	4,959,738	1,048,188	10,091,177	19,652,835
5 to 14 employees	839	6,407	10,533,292	1,420,980	19,742,182	37,252,410
15 " 49 "	221	5,626	11,358,765	1,357,018	21,744,643	42,420,621
50 " 99 "	56	3,834	8,577,789	843,797	15,888,680	32,726,162
100 " 199 "	33	4,495	10,813,567	1,108,220	21,014,229	42,616,454
200 " 499 "	18	5,158	12,526,156	1,123,672	22,773,432	45,723,911
500 and over	5	3,245	8,317,221	657,374	10,122,350	24,895,977
Head Offices ¹	—	8	29,391	—	—	—
Totals	2,607	32,252	67,113,919	7,559,249	121,376,693	245,288,370
16. Clothing, Men's Factory:						
Under 5 employees	97	231	490,544	5,213	3,055,808	5,663,498
5 to 14 employees	127	1,088	2,334,480	37,495	10,795,782	19,186,376
15 " 49 "	178	5,209	9,299,875	131,274	20,576,990	37,228,749
50 " 99 "	92	6,438	11,363,110	155,769	25,029,234	44,511,455
100 " 199 "	55	7,695	14,119,325	171,699	28,077,098	51,376,418
200 " 499 "	20	6,216	12,030,196	114,039	23,960,034	42,462,384
500 and over	8	5,663	11,835,178	125,270	20,117,360	38,232,451
Head Offices ¹	—	192	843,458	—	—	—
Totals	577	32,732	62,316,166	740,759	131,612,306	238,661,331
17. Machinery, Heavy Electrical:						
Under 5 employees	9	83	156,768	4,662	168,225	430,401
15 to 49 employees	6	215	484,538	15,984	922,278	1,899,471
50 " 99 "	10	637	1,453,396	37,140	2,485,790	5,063,745
100 " 199 "	9	1,288	3,795,059	81,586	5,640,038	14,322,167
200 " 499 "	8	2,492	7,786,902	137,590	12,186,327	25,863,607
500 and over	8	19,526	58,321,058	1,546,367	75,401,793	173,989,714
Head Offices ¹	—	1,055	3,601,191	—	—	—
Totals	50	25,296	75,598,912	1,823,329	96,604,451	221,569,105
18. Electrical Apparatus and Supplies, n.e.s.:						
Under 5 employees	24	53	90,292	6,816	162,900	354,719
5 to 14 employees	30	268	581,121	18,523	1,556,901	2,922,205
15 " 49 "	42	1,204	3,005,646	124,149	6,841,972	13,485,335
50 " 99 "	21	1,533	3,797,041	142,384	7,583,567	15,951,809
100 " 199 "	11	9,562	21,118,453	722,076	34,482,425	87,931,800
200 " 499 "	7	2,181	6,144,945	239,288	13,935,627	30,821,978
500 and over	6	6,429	15,815,980	683,960	35,461,320	69,613,946
Head Offices ¹	—	27	136,613	—	—	—
Totals	141	21,257	60,690,091	1,937,196	100,024,712	221,081,792
19. Machinery, Industrial:						
Under 5 employees	41	97	204,322	13,388	271,018	689,840
5 to 14 employees	77	744	1,831,794	96,282	1,823,111	5,215,090
15 " 49 "	80	2,320	6,457,246	213,804	7,243,930	18,632,066
50 " 99 "	46	3,348	9,424,711	286,899	12,417,398	33,161,188
100 " 199 "	27	3,727	11,386,913	315,403	12,252,146	33,675,635
200 " 499 "	23	6,282	18,863,146	532,902	15,863,214	50,323,643
500 and over	6	5,472	17,997,349	813,866	29,235,335	60,292,595
Head Offices ¹	—	336	1,121,432	—	—	—
Totals	300	22,326	67,286,913	2,272,544	79,106,152	201,990,057

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

TABLE 52. Principal Statistics of the Twenty-Five Leading Manufacturing Industries, Classified according to the Number of Employees per Establishment, 1951 - Concluded

Industry and Size Group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost of materials	Gross value of products
	No.	No.	\$	\$	\$	\$
20. Fruit and Vegetable Preparations:						
Under 5 employees	116	288	308,992	38,530	1,223,845	1,977,913
5 to 14 employees	113	1,020	1,259,522	126,998	5,010,123	7,899,102
15 " 49 "	138	3,909	6,014,462	627,021	23,090,129	38,345,363
50 " 99 "	63	4,346	7,689,668	760,987	29,880,029	50,702,192
100 " 199 "	23	3,426	6,367,320	519,222	24,411,847	40,881,111
200 " 499 "	3	674	1,273,092	97,134	4,132,272	6,967,795
500 and over	3	2,475	6,360,667	556,743	28,304,430	54,005,674
Head Offices ¹	—	263	833,853	—	—	—
Totals	459	16,401	30,107,576	2,726,635	116,052,675	200,779,150
21. Clothing, Women's Factory:						
Under 5 employees	83	212	360,578	7,662	1,706,632	3,130,581
5 to 14 employees	252	2,416	4,806,218	60,664	8,954,027	17,743,126
15 " 49 "	421	11,483	23,636,448	218,678	40,947,593	80,503,016
50 " 99 "	110	7,401	14,442,342	121,843	26,286,664	50,442,626
100 " 199 "	39	5,150	9,443,471	77,791	18,138,700	33,834,735
200 " 499 "	7	2,023	4,063,771	30,889	6,101,903	12,096,850
Head Offices ¹	—	3	11,454	—	—	—
Totals	912	28,688	56,764,282	517,527	102,135,519	197,750,934
22. Sheet Metal Products:						
Under 5 employees	52	123	228,365	15,799	354,908	782,161
5 to 14 employees	76	675	1,536,797	63,481	2,366,370	5,208,035
15 " 49 "	84	2,336	5,924,734	229,919	11,288,599	22,780,459
50 " 99 "	28	2,006	5,498,219	276,177	12,618,236	24,210,699
100 " 199 "	9	1,174	2,964,427	132,768	3,866,407	9,091,677
200 " 499 "	22	6,618	19,563,492	804,603	50,226,585	87,147,908
500 and over	6	4,478	13,237,659	627,277	27,614,067	47,893,287
Head Offices ¹	—	27	83,659	—	—	—
Totals	277	17,437	49,037,352	2,150,024	108,335,172	197,114,226
23. Printing and Publishing:						
Under 5 employees	306	763	1,203,077	101,031	504,666	2,522,560
5 to 14 employees	281	2,355	4,416,758	188,333	1,868,209	8,984,891
15 " 49 "	114	2,919	6,428,004	192,032	2,531,679	13,126,786
50 " 99 "	48	3,612	9,531,744	261,488	4,555,813	22,219,503
100 " 199 "	24	3,172	8,730,926	216,301	5,255,597	21,075,998
200 " 499 "	18	5,735	16,005,053	344,934	13,768,051	45,931,167
500 and over	10	8,744	29,926,003	574,954	28,491,388	82,856,991
Totals	801	27,300	76,241,565	1,879,073	56,975,903	196,717,896
24. Furniture:						
Under 5 employees	705	1,458	2,469,481	145,947	3,178,530	7,179,395
5 to 14 employees	341	2,880	6,024,314	239,814	9,179,917	18,554,312
15 " 49 "	246	6,769	14,604,782	485,632	23,845,722	47,270,037
50 " 99 "	72	4,906	11,312,764	394,429	16,197,896	34,263,842
100 " 199 "	50	6,485	15,582,095	540,883	22,758,088	48,999,741
200 and over	16	4,776	11,435,839	303,159	15,163,369	34,640,102
Totals	1,430	27,274	61,429,275	2,109,864	90,323,522	190,907,429
25. Brass and Copper Products:						
Under 5 employees	41	110	203,632	21,442	317,484	714,323
5 to 14 employees	45	391	968,206	58,186	1,309,778	2,927,655
15 " 49 "	35	899	2,453,739	212,786	26,485,715	32,839,797
50 " 99 "	12	908	2,688,863	191,339	8,688,058	14,583,522
100 " 199 "	5	727	1,997,523	155,695	28,596,595	32,807,890
200 " 499 "	10	3,276	9,289,842	490,926	13,834,090	28,940,519
500 and over	5	3,747	11,635,932	987,332	42,472,158	67,184,181
Head Offices ¹	—	19	80,339	—	—	—
Totals	153	10,977	29,318,076	2,117,706	121,703,878	179,997,887

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

Subsection 6. Power and fuel

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 to 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 53. 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 year 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 fuel consumed increased 343 p.c. from 1939 to 1951. 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 146 p.c. The groups of industries in which fuel was most extensively used in 1951 were: paper products, iron and steel, food and beverages, products of petroleum and coal, non-ferrous metal products, non-metallic mineral products and chemicals and allied products.

Of the total cost of purchased fuel and electricity for Canada as a whole in 1951, 67.0 p.c. was for fuel and 33.0 p.c. for electricity. Newfoundland with 94.2 p.c. of the total was the largest user of fuel, while Quebec with 55.6 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 costs 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 1948, 65 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 1939-1948 there was an increase of 57 p.c. in the capacity of water wheels, 30 p.c. in the capacity of steam engines, 55 p.c. in the capacity of electric motors, while internal combustion engines quadrupled during the same period. The collection of statistics on power equipment was discontinued in 1949 and will in future be collected only periodically.

Power consumed by the manufacturing industries, purchased power as well as power generated for own use, totalled 37.6 billion K.W.H. in 1951, an increase of 94 p.c. as compared with 1939. Of the total consumed, Quebec used 52.0 p.c., Ontario 31.1 p.c., British Columbia 7.6 p.c., Newfoundland 2.4 p.c., New Brunswick 2.1 p.c. and Manitoba 2.0 p.c.

The paper products group with 35.2 p.c. of the total was the largest user of electric power. This group was also the largest user of purchased fuel. The non-ferrous metal products group was the second largest user of power with 29.0 p.c., followed by chemicals and allied products with 12.7 p.c., iron and steel products 8.1 p.c., non-metallic mineral products 4.5 p.c., etc.

Table 53 gives details of purchased fuel and electricity as well as power consumption by industrial groups and provinces.

TABLE 53. Value of Fuel and Electricity Used by the Manufacturing Industries of Canada, 1939-50 with Details by Provinces and Industrial Groups, 1951

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
	\$	\$	\$	1000 K.W.H.	1000 K.W.H.	1000 K.W.H.
1939	57,063,131	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	25,250,576	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
PROVINCES, 1951						
Newfoundland	3,611,385	223,742	3,835,127	8,089	875,940	884,029
Prince Edward Island	206,857	92,037	298,894	3,614	—	3,614
Nova Scotia	9,723,309	2,293,959	12,017,268	287,654	156,555	444,209
New Brunswick	7,960,860	2,258,825	10,219,685	467,852	331,094	798,946
Quebec	75,449,220	60,135,802	135,585,022	18,711,282	835,184	19,546,466
Ontario	124,905,490	46,031,295	170,936,785	9,747,987	1,951,978	11,699,965
Manitoba	6,067,822	3,225,945	9,293,767	759,046	12,039	771,085
Saskatchewan	3,078,173	1,494,792	4,572,965	257,437	11,048	268,485
Alberta	4,654,338	2,546,854	7,201,192	324,542	8,928	333,470
British Columbia	16,758,654	5,832,705	22,591,359	675,704	2,186,000	2,861,704
Yukon and Northwest Territories	157,844	4,088	161,932	42	328	370
Canada	252,573,952	124,140,044	376,713,996	31,243,249	6,369,094	37,612,343
INDUSTRIAL GROUPS, 1951						
Foods and beverages	35,033,045	10,549,788	45,582,833	888,138	47,902	936,040
Tobacco and tobacco products	366,851	186,864	553,715	13,735	—	13,735
Rubber products	2,020,805	1,521,054	3,541,859	235,800	10,027	245,827
Leather products	1,176,414	707,222	1,883,636	44,683	—	44,683
Textile products (except clothing)	8,199,992	5,036,762	13,236,754	643,338	98,206	741,544
Clothing (textile and fur)	2,199,836	1,792,894	3,992,730	93,967	1,281	95,248
Wood products	8,271,643	4,997,175	13,268,818	311,622	110,655	422,277
Paper products	50,747,302	27,681,245	78,428,547	9,321,255	3,932,680	13,253,935
Printing, publishing and allied industries	1,882,539	1,863,995	3,746,534	113,719	—	113,719
Iron and steel products	36,629,262	16,120,558	52,749,820	2,827,019	225,509	3,052,528
Transportation equipment	9,333,969	4,652,665	13,986,634	502,801	116,420	619,221
Non-ferrous metal products	24,353,996	25,215,573	49,569,569	10,273,919	624,489	10,898,408
Electrical apparatus and supplies	3,142,696	2,702,084	5,844,780	287,464	18,041	305,505
Non-metallic mineral products	23,130,394	7,384,474	30,514,868	1,668,420	12,029	1,680,449
Products of petroleum and coal	29,735,739	1,959,011	31,694,750	276,533	8,950	285,483
Chemicals and allied products	15,053,951	10,451,604	25,505,555	3,627,065	1,158,904	4,785,969
Miscellaneous industries	1,295,518	1,317,076	2,612,594	113,771	4,001	117,772

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 1951 amounted to \$12,990,888,636 or 79 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

or 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), paper products and products of petroleum and coal. In each of the other groups Ontario has the greater production of the two provinces. In the production of wood products British Columbia with 40 p.c. of the total holds the dominant position, outranking both Ontario and Quebec which account respectively for 25 and 21 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, 1951

Province and Group	Estab- lish- ments	Employees	Salaries and wages	Cost of materials	Net value of products	Gross value of products
	No.	No.	\$	\$	\$	\$
Canada						
Foods and beverages*	8,388	172,493	392,859,435	2,419,206,798	985,240,884	3,450,030,515
Tobacco and tobacco products	62	9,826	24,438,218	119,590,053	59,033,325	179,177,093
Rubber products	67	23,054	64,357,696	146,951,650	161,184,980	311,678,489
Leather products	711	31,578	59,668,764	135,114,110	84,885,048	221,882,794
Textile products (except clothing)	892	81,710	185,030,489	495,304,102	337,936,447	846,477,303
Clothing (textile and fur)	3,083	115,733	222,364,947	405,347,118	370,672,177	780,012,025
Wood products	11,975	131,278	283,062,074	610,807,577	529,300,377	1,153,376,772
Paper products	547	82,889	276,521,006	683,488,653	827,924,962	1,589,842,162
Printing, publishing and allied industries	4,019	64,694	170,828,730	152,753,412	295,642,569	452,142,515
Iron and steel products	2,435	183,323	547,314,615	860,565,510	991,334,800	1,904,650,130
Transportation equipment	599	122,517	368,106,433	870,178,794	657,424,400	1,541,589,828
Non-ferrous metal products	536	50,114	150,733,704	797,412,763	406,616,836	1,253,599,168
Electrical apparatus and supplies	373	67,626	194,749,038	316,561,307	353,602,872	676,008,959
Non-metallic mineral products	1,042	31,522	86,078,972	109,011,701	195,348,829	334,875,398
Products of petroleum and coal	82	15,598	51,947,890	497,982,695	179,872,590	709,550,035
Chemicals and allied products	1,037	45,664	131,310,151	366,957,695	384,026,141	776,489,391
Miscellaneous industries	1,173	28,756	66,908,755	87,292,415	120,899,546	210,804,555
Totals	37,021	1,258,375	3,276,280,917	9,074,526,353	6,940,946,783	16,392,187,132
Newfoundland						
Foods and beverages*	75	3,413	5,105,057	13,398,634	12,182,314	26,470,584
Tobacco and tobacco products	1	1	1	1	1	1
Rubber products	—	—	—	—	—	—
Leather products	1	1	1	1	1	1
Textile products (except clothing)	5	103	205,286	555,276	562,822	1,136,352
Clothing (textile and fur)	5	306	360,758	435,754	501,953	946,755
Wood products	666	1,445	1,311,581	3,036,950	2,681,859	5,836,337
Paper products	3	3,279	13,392,916	23,133,696	34,174,834	59,958,553
Printing, publishing and allied industries	30	378	924,009	394,288	1,270,863	1,702,273
Iron and steel products	8	247	569,747	388,511	839,541	1,267,625
Transportation equipment	7	115	201,420	226,266	281,715	513,445
Non-ferrous metal products	—	—	—	—	—	—
Electrical apparatus and supplies	—	—	—	—	—	—
Non-metallic mineral products	13	110	205,035	304,852	329,935	676,960
Products of petroleum and coal	—	—	—	—	—	—
Chemicals and allied products	6	74	159,912	659,436	315,925	988,021
Miscellaneous industries ²	4	152	245,525	583,636	548,426	1,145,708
Totals	822	9,622	22,681,246	43,117,299	53,690,187	100,642,613
Prince Edward Island						
Foods and beverages	125	1,066	1,481,952	13,613,570	3,210,597	17,055,728
Tobacco and tobacco products	3	3	3	3	3	3
Rubber products	—	—	—	—	—	—
Leather products	3	3	3	3	3	3
Textile products (except clothing)	3	62	94,817	1,411,862	213,084	1,630,720
Clothing (textile and fur)	—	—	—	—	—	—
Wood products	84	260	254,191	632,293	473,131	1,125,796
Paper products	—	—	—	—	—	—
Printing, publishing and allied industries	9	155	297,629	147,953	443,907	603,953
Iron and steel products	5	116	192,989	243,341	239,717	498,747
Transportation equipment	4	6	2,980	3,210	4,075	7,855
Non-ferrous metal products	—	—	—	—	—	—
Electrical apparatus and supplies	—	—	—	—	—	—
Non-metallic mineral products	3	3	3	3	3	3
Products of petroleum and coal	—	—	—	—	—	—
Chemicals and allied products	3	3	3	3	3	3
Miscellaneous industries	—	—	—	—	—	—
All other groups	7	70	134,995	1,125,519	462,286	1,600,640
Totals	237	1,735	2,459,553	17,177,748	5,046,797	22,523,439

* Includes "Fish processing" in Newfoundland.

TABLE 1. Summary Statistics of Manufactures of Each Province, Classified by Industrial Groups, 1951 - Continued

Province and Group	Estab- lish- ments	Employees	Salaries and wages	Cost of materials	Net value of products	Gross value of products
	No.	No.	\$	\$	\$	\$
Nova Scotia						
Foods and beverages	402	7,719	12,494,176	49,348,952	26,552,190	77,428,134
Tobacco and tobacco products	—	—	—	—	—	—
Rubber products	—	—	—	—	—	—
Leather products	4	108	166,083	343,644	301,276	649,220
Textile products (except clothing)	11	771	1,621,745	5,409,170	3,909,543	9,476,112
Clothing (textile and fur)	15	1,329	1,975,024	5,226,468	2,651,045	7,992,229
Wood products	735	4,949	6,931,740	19,595,848	12,847,652	32,936,410
Paper products	7	1,321	4,022,324	7,274,116	11,551,343	20,237,327
Printing, publishing and allied industries	120	1,269	2,627,540	2,015,544	5,032,427	7,144,949
Iron and steel products	48	6,895	18,422,472	29,820,804	26,763,301	61,473,647
Transportation equipment	69	4,051	10,082,041	19,922,069	16,367,863	36,836,475
Non-ferrous metal products	—	—	—	—	—	—
Electrical apparatus and supplies	1	1	1	1	1	1
Non-metallic mineral products	26	628	1,297,049	1,083,537	2,841,182	4,430,322
Products of petroleum and coal	3	980	3,171,338	28,309,003	7,705,699	38,093,255
Chemicals and allied products	15	296	758,746	3,465,724	2,517,769	6,137,001
Miscellaneous industries ⁴	19	196	405,476	300,457	445,340	784,153
Totals	1,474	30,512	63,975,754	172,115,336	119,486,630	303,619,234
New Brunswick						
Foods and beverages	355	6,943	11,247,871	82,878,424	26,143,202	110,882,568
Tobacco and tobacco products	—	—	—	—	—	—
Rubber products	—	—	—	—	—	—
Leather products	12	328	537,005	1,522,874	981,186	2,520,173
Textile products (except clothing)	16	2,043	4,315,183	9,169,356	6,697,059	16,179,609
Clothing (textile and fur)	6	98	118,943	192,305	154,306	349,130
Wood products	533	4,863	8,005,835	20,605,474	14,111,208	35,168,531
Paper products	14	4,052	14,689,808	41,039,557	49,629,344	97,011,008
Printing, publishing and allied industries	64	866	1,802,399	1,119,369	3,010,821	4,209,129
Iron and steel products	29	1,206	2,914,959	4,863,579	5,320,003	10,375,885
Transportation equipment	11	2,674	6,463,526	7,906,366	7,050,624	15,286,939
Non-ferrous metal products	1	1	1	1	1	1
Electrical apparatus and supplies	—	—	—	—	—	—
Non-metallic mineral products	24	375	842,008	1,347,153	2,239,095	4,001,943
Products of petroleum and coal	1	1	1	1	1	1
Chemicals and allied products	7	132	330,996	2,785,704	852,377	3,692,802
Miscellaneous industries ⁵	13	925	2,278,349	2,928,703	4,405,730	7,495,787
Totals	1,084	24,505	53,546,882	176,358,864	120,594,955	307,173,504
Quebec						
Foods and beverages	2,692	42,677	93,949,971	610,084,307	248,149,436	870,082,103
Tobacco and tobacco products	38	7,800	20,280,534	61,800,486	50,157,594	112,307,742
Rubber products	24	7,184	17,423,541	24,938,363	28,790,508	54,504,987
Leather products	376	16,505	28,328,584	54,123,288	41,770,858	96,455,777
Textile products (except clothing)	410	46,853	103,729,626	263,393,294	185,190,074	456,085,491
Clothing (textile and fur)	1,760	66,356	123,042,915	232,449,850	215,995,017	451,385,849
Wood products	3,402	32,809	59,544,724	136,150,070	106,650,947	245,742,191
Paper products	184	32,916	107,805,568	276,155,679	320,554,707	635,187,414
Printing, publishing and allied industries	1,064	16,988	44,160,737	41,525,364	76,372,410	118,753,394
Iron and steel products	556	41,897	117,810,838	158,102,712	210,704,557	377,094,686
Transportation equipment	106	31,016	85,105,600	119,943,948	105,580,217	229,059,337
Non-ferrous metal products	158	16,407	48,754,139	285,375,990	127,395,511	439,395,936
Electrical apparatus and supplies	76	18,611	52,751,108	78,932,314	91,855,377	172,319,956
Non-metallic mineral products	283	9,193	23,771,284	32,314,948	56,523,276	99,303,025
Products of petroleum and coal	13	3,351	11,427,570	191,756,322	64,077,116	267,814,499
Chemicals and allied products	339	18,382	50,654,738	103,605,293	122,869,316	233,719,861
Miscellaneous industries	380	8,237	17,060,203	24,966,418	31,296,830	56,945,171
Totals	11,861	417,182	1,005,601,680	2,696,638,646	2,083,933,751	4,916,157,419
Ontario						
Foods and beverages	3,089	69,531	165,907,880	948,643,352	424,366,076	1,391,957,349
Tobacco and tobacco products	20	1,883	3,921,151	57,228,474	8,335,889	65,756,004
Rubber products	37	15,825	46,832,708	121,981,566	132,244,763	256,983,995
Leather products	251	13,378	28,366,500	73,170,018	38,026,766	112,428,023
Textile products (except clothing)	375	30,107	71,445,451	197,482,788	135,254,836	337,792,692
Clothing (textile and fur)	1,013	38,800	80,496,204	132,559,992	124,852,909	259,093,661
Wood products	2,672	36,657	79,856,745	144,142,923	135,155,404	282,780,362
Paper products	267	32,445	106,323,628	261,444,514	295,350,337	579,360,978
Printing, publishing and allied industries	1,641	32,969	91,256,234	84,550,472	157,080,008	243,591,735
Iron and steel products	1,247	117,135	362,390,696	599,773,775	662,930,499	1,299,523,236
Transportation equipment	237	70,188	225,573,390	683,679,966	480,023,097	1,171,884,153
Non-ferrous metal products	306	27,692	82,906,847	322,748,682	256,892,371	598,631,892
Electrical apparatus and supplies	247	47,681	138,733,370	230,639,879	255,317,000	490,151,476
Non-metallic mineral products	490	16,510	47,742,385	59,548,181	106,503,220	180,848,596
Products of petroleum and coal	30	7,882	26,375,744	142,543,034	66,530,591	220,884,128
Chemicals and allied products	513	22,762	67,419,867	217,922,907	212,596,448	447,264,455
Miscellaneous industries	590	17,988	43,838,182	56,333,844	77,939,851	135,798,482
Totals	13,025	599,433	1,669,386,982	4,334,394,367	3,569,400,065	8,074,731,217

TABLE 1. Summary Statistics of Manufactures of Each Province, Classified by Industrial Groups, 1951 - Continued

Province and Group	Estab- lish- ments	Employees	Salaries and wages	Cost of materials	Net value of products	Gross value of products
	No.	No.	\$	\$	\$	\$
Manitoba						
Foods and beverages	362	9,562	24,448,189	189,035,487	58,152,796	249,714,120
Tobacco and tobacco products	—	—	—	—	—	—
Rubber products	1	1	1	1	1	1
Leather products	29	716	1,201,385	3,735,315	2,031,586	5,799,701
Textile products (except clothing)	25	844	1,624,955	8,712,742	2,877,131	11,649,992
Clothing (textile and fur)	165	6,083	11,386,036	23,218,051	18,213,849	41,597,542
Wood products	322	3,118	6,494,451	13,028,441	11,183,704	24,501,739
Paper products	21	1,370	3,961,724	11,351,157	14,889,803	27,274,150
Printing, publishing and allied industries	280	3,714	8,865,980	7,813,524	15,871,733	23,901,511
Iron and steel products	112	4,899	13,252,922	17,004,394	26,898,294	44,843,490
Transportation equipment	22	7,215	19,296,284	20,730,683	20,890,924	42,341,851
Non-ferrous metal products	19	463	1,369,016	20,798,001	197,646	21,134,934
Electrical apparatus and supplies	18	698	1,515,509	3,866,371	3,541,017	7,476,642
Non-metallic mineral products	41	907	2,329,910	3,399,444	6,930,042	11,821,314
Products of petroleum and coal	5	533	1,542,057	18,105,182	3,864,512	22,960,245
Chemicals and allied products	42	735	1,648,868	7,310,831	5,366,330	12,819,198
Miscellaneous industries ⁶	49	602	1,233,680	1,093,989	2,334,592	3,509,617
Totals	1,512	41,459	100,170,966	349,203,612	192,848,667	551,346,046
Saskatchewan						
Foods and beverages	222	5,003	12,297,608	100,645,066	31,036,221	133,231,555
Tobacco and tobacco products	—	—	—	—	—	—
Rubber products	—	—	—	—	—	—
Leather products	1	1	1	1	1	1
Textile products (except clothing)	5	115	238,450	1,673,007	331,460	2,018,652
Clothing (textile and fur)	15	209	387,871	812,814	752,811	1,572,923
Wood products	434	1,706	2,632,964	5,068,882	5,380,088	10,627,539
Paper products	4	20	44,573	39,170	112,955	153,150
Printing, publishing and allied industries	182	1,432	3,316,025	2,119,925	5,265,611	7,495,948
Iron and steel products	49	708	1,593,176	3,137,589	2,600,009	5,834,296
Transportation equipment	6	26	77,131	100,835	148,170	255,323
Non-ferrous metal products	1	1	1	1	1	1
Electrical apparatus and supplies	—	—	—	—	—	—
Non-metallic mineral products	27	365	934,487	1,023,052	2,242,603	3,439,824
Products of petroleum and coal	8	764	2,470,190	36,189,669	9,317,334	46,902,653
Chemicals and allied products	8	163	500,009	994,356	819,704	1,842,123
Miscellaneous industries ⁷	13	512	1,797,810	33,347,090	3,081,640	37,439,040
Totals	973	11,023	26,290,294	185,151,455	61,088,606	250,813,026
Alberta						
Foods and beverages	417	9,537	23,847,300	189,955,325	54,939,830	246,955,138
Tobacco and tobacco products	—	—	—	—	—	—
Rubber products	1	1	1	1	1	1
Leather products	11	60	108,488	122,376	148,565	273,173
Textile products (except clothing)	12	165	304,828	2,681,606	619,700	3,314,362
Clothing (textile and fur)	31	973	1,741,439	4,378,407	2,802,104	7,202,106
Wood products	1,111	6,613	11,343,241	29,842,150	20,577,822	51,207,703
Paper products	8	203	510,732	1,993,868	1,402,296	3,420,422
Printing, publishing and allied industries	244	2,041	4,849,132	4,087,784	9,360,997	13,547,826
Iron and steel products	118	2,718	7,300,975	8,446,821	12,383,121	21,089,553
Transportation equipment	22	2,742	7,499,983	8,313,244	7,936,616	16,507,533
Non-ferrous metal products	7	67	169,735	941,339	440,091	1,390,028
Electrical apparatus and supplies	4	16	37,977	73,236	120,469	195,757
Non-metallic mineral products	67	2,012	5,102,847	6,070,483	10,957,774	18,147,022
Products of petroleum and coal	11	1,037	3,542,452	48,929,517	12,100,423	62,779,632
Chemicals and allied products	24	613	1,965,484	2,867,162	6,274,323	9,891,475
Miscellaneous industries ⁸	31	308	810,974	727,300	1,585,443	2,359,654
Totals	2,118	29,105	69,135,587	309,430,618	141,649,574	458,281,384
British Columbia						
Foods and beverages	644	17,025	42,052,495	221,553,032	100,450,968	326,137,658
Tobacco and tobacco products	1	1	1	1	1	1
Rubber products	4	35	85,959	28,427	131,226	167,272
Leather products	24	476	947,667	2,077,778	1,607,018	3,718,889
Textile products (except clothing)	30	647	1,450,148	4,815,001	2,280,738	7,193,321
Clothing (textile and fur)	73	1,579	2,855,757	5,073,477	4,748,183	9,871,830
Wood products	2,009	38,793	106,537,243	238,427,022	219,875,798	462,793,788
Paper products	39	7,283	25,769,733	61,056,896	100,259,343	167,239,160
Printing, publishing and allied industries	383	4,871	12,700,145	8,972,689	21,890,577	31,139,582
Iron and steel products	263	7,502	22,865,841	38,783,984	42,655,758	82,648,965
Transportation equipment	115	4,484	13,804,078	9,352,207	19,141,099	28,896,917
Non-ferrous metal products	41	4,532	14,625,693	133,419,048	16,810,296	152,559,667

TABLE 1. Summary Statistics of Manufactures of Each Province, Classified by Industrial Groups, 1951 — Concluded

Province and Group	Estab- lish- ments	Employees	Salaries and wages	Cost of materials	Net value of products	Gross value of products
	No.	No.	\$	\$	\$	\$
British Columbia — Concluded						
Electrical apparatus and supplies	27	505	1,471,601	2,822,711	2,619,995	5,484,684
Non-metallic mineral products	69	1,409	3,828,741	3,906,280	6,732,843	12,140,659
Products of petroleum and coal	10	993	3,212,274	31,370,490	15,981,694	48,903,299
Chemicals and allied products	81	2,470	7,793,044	26,258,994	32,039,118	58,664,098
Miscellaneous industries ⁹	85	1,043	2,625,864	1,922,381	5,223,911	7,320,552
Totals	3,897	93,647	262,626,283	789,840,417	592,448,565	1,404,880,341
Yukon and Northwest Territories						
Foods and beverages	5	17	26,936	50,649	57,254	115,578
Wood products	7	65	149,359	277,524	362,764	656,376
All other groups ¹⁰	6	70	229,395	769,818	338,968	1,246,955
Totals	18	152	405,690	1,097,991	758,986	2,018,909

1. Confidential. Included with "Miscellaneous Industries".

2. Includes tobacco and leather products.

3. Included with "All other groups".

4. Includes electrical apparatus and supplies.

5. Includes non-ferrous metal products and products of petroleum and coal.

6. Includes rubber products.

7. Includes leather and non-ferrous metal products.

8. Includes rubber products.

9. Includes tobacco products.

10. Includes printing, publishing and allied trades; non-ferrous metal products; products of petroleum and coal and miscellaneous industries.

The degree of concentration of manufacturing in large units is illustrated in Table 2. In Ontario 39.6 p.c. of all persons engaged in manufacturing were employed in establishments having 500 or more employees, as compared with 35.7 p.c. for Canada as a whole. Quebec ranked second with 37.7 p.c., followed by New Brunswick with 34.4 p.c., Newfoundland 32.6 p.c., Nova Scotia 29.2 p.c., British Columbia 24.4 p.c., Manitoba

21.4 p.c., and Alberta with 10.4 p.c. There were no plants in either Prince Edward Island or Saskatchewan with an employment of 500 or more persons. In 1950 Newfoundland occupied the premier position with 39.2 p.c. of the total. By including the fish processing plants with manufacturing in 1951, the proportion of the plants employing 500 or more persons was, thereby, considerably lowered, viz. to 32.6 p.c.

TABLE 2. Concentration of Manufacturing Production in Each Province, 1951

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	0.2	32.6
Prince Edward Island	—	—	—
Nova Scotia	9	0.6	29.2
New Brunswick	10	0.9	34.4
Quebec	135	1.1	37.7
Ontario	185	1.4	39.6
Manitoba	7	0.5	21.4
Saskatchewan	—	—	—
Alberta	4	0.2	10.4
British Columbia	25	0.6	24.4
Yukon and Northwest Territories	—	—	—
Canada	377	1.0	35.7

TABLE 3. Principal Statistics of Manufacturing Industries of Canada and Each Province, Classified by Number of Employees per Establishment, 1951

Province and group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost of materials	Gross value of products
	No.	No.	\$	\$	\$	\$
Canada:						
Under 5 employees	16,281	35,441	46,818,561	5,748,246	190,662,685	288,282,864
5 to 14 employees	9,591	79,656	152,675,486	12,279,235	440,118,639	745,049,795
15 " 49 "	6,203	165,113	359,402,676	25,049,747	958,174,600	1,691,984,149
50 " 99 "	1,960	136,274	314,586,011	23,685,628	896,287,506	1,578,946,251
100 " 199 "	1,107	154,222	373,197,906	30,715,930	1,075,172,583	1,902,215,281
200 " 499 "	739	225,036	610,860,008	78,152,536	1,774,863,439	3,237,747,662
500 " 999 "	248	172,347	499,779,570	71,412,940	1,546,733,659	2,794,342,755
1,000 and over	129	277,364	864,790,982	129,659,733	2,188,921,931	4,149,242,766
Not classifiable	763	—	—	—	3,591,311	4,375,609
Head Offices ¹	—	12,922	54,169,717	10,001	—	—
Totals	37,021	1,258,375	3,273,280,917	376,713,996	9,074,526,353	16,392,187,132

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, 1951 - Continued

Province and group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost of materials	Gross value of products
	No.	No.	\$	\$	\$	\$
Newfoundland:						
Under 5 employees	662	1,049	665,951	73,973	1,260,892	2,749,056
5 to 14 employees	78	676	1,021,277	121,027	2,373,430	4,502,341
15 " 49 "	49	1,217	2,058,982	268,483	4,566,697	9,675,922
50 " 99 "	16	1,122	2,302,278	481,260	5,148,951	10,759,510
100 " 199 "	10	1,335	2,401,485	142,395	5,557,736	9,569,371
200 and over	5	4,218	14,215,013	2,747,989	24,205,644	63,379,534
Not classifiable	2	—	—	—	3,949	6,879
Head Offices ¹	—	5	16,260	—	—	—
Totals	822	9,622	22,681,246	3,835,127	43,117,299	100,642,613
Prince Edward Island:						
Under 5 employees	139	280	259,206	49,502	3,014,900	3,803,539
5 to 14 employees	69	567	664,977	83,150	3,317,878	4,715,781
15 " 49 "	24	556	785,711	86,686	4,585,832	6,090,453
50 and over	4	332	749,659	79,556	6,257,512	7,912,040
Not classifiable	1	—	—	—	1,626	1,626
Totals	237	1,735	2,459,553	298,894	17,177,748	22,523,439
Nova Scotia:						
Under 5 employees	713	1,561	1,585,808	168,195	5,759,950	9,291,507
5 to 14 employees	429	3,686	5,387,224	548,807	17,803,428	29,253,212
15 " 49 "	199	5,221	8,659,507	1,227,335	28,345,531	46,323,646
50 " 99 "	54	3,576	6,716,496	814,540	17,712,817	33,461,327
100 " 199 "	21	2,809	5,770,066	600,616	11,828,162	24,147,050
200 " 499 "	14	4,671	11,639,312	2,690,907	43,406,873	71,673,003
500 " 999 "	4	2,114	5,252,826	1,353,257	10,970,485	24,097,599
1,000 and over	5	6,793	18,734,072	4,613,611	36,231,157	65,306,507
Not classifiable	35	—	—	—	56,933	65,383
Head Offices ¹	—	81	230,443	—	—	—
Totals	1,474	30,512	63,975,754	12,017,268	172,115,336	303,619,234
New Brunswick:						
Under 5 employees	537	1,088	1,096,470	137,490	3,547,116	5,815,230
5 to 14 employees	319	2,652	3,992,037	492,235	14,754,014	23,541,225
15 " 49 "	138	3,555	5,817,736	603,473	21,025,260	32,433,005
50 " 99 "	40	2,779	5,305,256	606,597	18,203,005	30,548,582
100 " 199 "	18	2,490	4,941,003	400,524	14,541,316	25,540,081
200 " 499 "	11	3,388	8,859,704	2,006,691	30,255,602	55,956,238
500 and over	10	8,419	22,803,191	5,972,675	73,992,378	133,278,702
Not classifiable	11	—	—	—	40,173	60,441
Head Offices ¹	—	134	731,485	—	—	—
Totals	1,084	24,505	53,546,882	10,219,685	176,358,864	307,173,504
Quebec:						
Under 5 employees	5,189	11,680	15,285,570	1,880,113	84,236,090	117,181,903
5 to 14 employees	3,022	25,130	45,417,425	3,198,431	137,147,867	230,423,108
15 " 49 "	2,088	56,420	110,569,618	6,555,369	283,503,511	503,646,789
50 " 99 "	645	44,428	91,852,819	6,074,843	235,452,356	430,019,252
100 " 199 "	347	48,858	107,470,803	8,132,348	302,587,515	537,124,452
200 " 499 "	215	66,924	169,188,268	29,111,087	489,532,259	933,104,786
500 " 999 "	88	62,564	166,709,130	36,601,811	646,596,550	1,058,213,085
1,000 and over	47	94,748	272,379,826	44,031,020	516,445,035	1,105,043,375
Not classifiable	220	—	—	—	1,137,463	1,400,669
Head Offices ¹	—	6,430	26,728,221	—	—	—
Totals	11,861	417,182	1,005,601,680	135,585,022	2,696,638,646	4,916,157,419
Ontario:						
Under 5 employees	4,965	11,036	16,467,379	2,203,150	64,867,806	98,791,288
5 to 14 employees	3,432	28,872	59,743,937	4,777,603	161,278,752	277,741,255
15 " 49 "	2,428	65,600	153,098,089	10,955,220	403,322,107	721,708,399
50 " 99 "	838	58,908	143,146,802	9,591,640	385,489,848	690,177,257
100 " 199 "	528	73,551	186,327,638	14,259,964	459,548,881	858,756,038
200 " 499 "	396	119,280	332,414,577	32,296,969	823,933,011	1,556,952,334
500 " 999 "	121	83,910	244,269,448	26,495,165	623,997,781	1,281,949,447
1,000 and over	64	153,248	512,617,338	70,357,074	1,410,200,990	2,586,506,667
Not classifiable	253	—	—	—	1,755,191	2,148,532
Head Offices ¹	—	5,028	21,301,774	—	—	—
Totals	13,025	599,433	1,669,386,982	170,936,785	4,334,394,367	8,074,731,217
Manitoba:						
Under 5 employees	621	1,394	1,993,549	220,244	6,037,186	9,875,046
5 to 14 employees	381	3,190	6,260,767	534,961	26,656,571	39,094,713
15 " 49 "	256	6,805	14,496,414	866,282	42,171,776	71,157,026
50 " 99 "	99	6,879	15,783,070	1,439,909	53,448,606	89,470,131
100 " 199 "	53	7,347	18,043,836	3,249,508	90,247,984	131,527,408
200 " 499 "	23	6,792	17,952,047	1,967,189	33,986,240	78,751,088
500 " 999 "	4	2,952	8,743,991	467,010	79,327,687	97,358,910
1,000 and over	3	5,920	16,208,902	548,664	17,107,607	33,865,173
Not classifiable	72	—	—	—	219,955	246,551
Head Offices ¹	—	180	688,390	—	—	—
Totals	1,512	41,459	100,170,966	9,293,767	349,203,612	551,346,046

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, 1951 - Concluded

Province and group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost of materials	Gross value of products
	No.	No.	\$	\$	\$	\$
Saskatchewan:						
Under 5 employees	594	1,064	1,165,065	146,450	2,783,352	5,094,903
5 to 14 employees	226	1,814	3,473,787	446,166	13,600,205	21,008,817
15 " 49 "	81	2,056	4,793,343	536,167	18,734,507	29,380,679
50 " 99 "	31	2,242	5,393,305	698,027	24,852,236	40,148,187
100 " 199 "	11	1,381	3,679,013	563,468	26,882,478	37,834,623
200 " 499 "	7	2,282	7,205,877	2,182,687	98,243,782	117,285,721
Not classifiable	23	—	—	—	54,895	60,096
Head Offices ¹	—	184	579,904	—	—	—
Totals	973	11,023	26,290,294	4,572,965	185,151,455	250,813,026
Alberta:						
Under 5 employees	1,212	2,400	2,888,541	347,118	9,284,268	15,027,500
5 to 14 employees	507	3,947	7,485,401	631,141	25,013,980	39,988,022
15 " 49 "	234	6,006	13,699,607	948,261	37,966,773	65,813,233
50 " 99 "	64	4,470	11,176,212	1,141,205	55,931,054	81,393,073
100 " 199 "	23	3,164	7,889,095	784,360	46,691,782	67,205,552
200 " 499 "	20	5,984	16,909,519	2,974,408	93,034,735	136,346,704
500 and over	4	3,034	8,658,723	374,699	41,431,600	52,421,442
Not classifiable	54	—	—	—	76,426	85,858
Head Offices ¹	—	100	428,489	—	—	—
Totals	2,118	29,105	69,135,587	7,201,192	309,430,618	458,281,384
British Columbia:						
Under 5 employees	1,639	3,865	5,372,036	512,557	9,809,139	20,498,931
5 to 14 employees	1,123	9,086	19,137,295	1,435,934	38,043,257	74,476,904
15 " 49 "	704	17,638	45,337,669	2,993,802	113,795,336	205,356,057
50 " 99 "	169	11,638	32,393,882	2,687,452	98,892,273	170,906,775
100 " 199 "	95	13,134	36,251,854	2,519,317	111,436,099	203,499,832
200 " 499 "	50	14,634	45,297,666	4,816,413	160,172,755	282,467,981
500 " 999 "	20	13,409	42,879,749	2,777,081	93,298,101	192,155,060
1,000 and over	5	9,463	32,491,381	4,838,802	164,148,757	255,219,227
Not classifiable	92	—	—	—	244,700	299,574
Head Offices ¹	—	780	3,464,751	10,001	—	—
Totals	3,897	93,647	262,626,283	22,591,359	789,840,417	1,404,880,341
Yukon and Northwest Territories:						
Under 5 employees	10	24	38,986	9,454	61,986	153,961
5 to 14 employees	5	36	91,359	9,780	129,257	304,417
15 " 49 "	2	—	—	—	—	—
50 " 99 "	1	92	275,345	142,698	906,748	1,560,531
Totals	18	152	405,690	161,932	1,097,991	2,018,909

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 Gross Value of Production per Establishment, 1951

Province and group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost of materials	Gross value of products
	No.	No.	\$	\$	\$	\$
Canada:						
Under \$25,000	15,795	37,629	45,563,839	4,286,223	67,277,779	144,070,647
\$ 25,000 to \$ 49,999	5,008	32,103	54,183,448	3,878,457	89,208,090	180,206,518
50,000 " 99,999	4,767	50,881	96,495,685	6,458,264	178,175,069	342,573,146
100,000 " 199,999	3,919	70,514	145,025,233	9,077,549	297,980,937	555,921,461
200,000 " 499,999	3,543	131,153	285,676,892	16,918,826	586,907,205	1,119,627,024
500,000 " 999,999	1,657	120,499	278,550,775	17,647,697	609,670,727	1,169,467,365
1,000,000 " 4,999,999	1,764	322,491	832,239,573	68,911,776	2,060,567,983	3,735,332,441
5,000,000 and over	568	480,183	1,484,375,755	249,525,203	5,184,738,563	9,144,988,530
Head Offices ¹	—	12,922	54,169,717	10,001	—	—
Totals	37,021	1,258,375	3,276,280,917	376,713,996	9,074,526,353	16,392,187,132
Newfoundland:						
Under \$25,000	684	1,263	890,399	87,538	1,327,132	2,975,500
\$ 25,000 to \$ 49,999	38	313	391,591	44,161	586,404	1,316,657
50,000 " 99,999	28	415	663,548	46,472	999,464	2,018,396
100,000 " 199,999	19	366	626,599	61,901	1,174,185	2,519,473
200,000 " 499,999	26	1,053	1,870,921	191,486	4,740,690	8,593,360
500,000 " 999,999	17	1,482	2,662,542	597,141	5,353,802	11,713,215
1,000,000 " 4,999,999	8	1,588	2,737,411	164,624	7,028,160	13,336,255
5,000,000 and over	2	3,137	12,821,975	2,641,804	21,907,462	58,169,757
Head Offices ¹	—	5	16,260	—	—	—
Totals	822	9,622	22,681,246	3,835,127	43,117,299	100,642,613

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 Gross Value of Production per Establishment, 1951 — Continued

Province and group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost of materials	Gross value of products
	No.	No.	\$	\$	\$	\$
Prince Edward Island:						
Under \$25,000	126	298	200,814	24,988	472,120	913,627
\$ 25,000 to \$ 49,999	35	203	224,129	26,859	867,117	1,286,649
50,000 " 99,999	38	421	528,861	66,809	1,757,536	2,734,643
100,000 " 199,999	18	318	442,443	42,822	1,806,595	2,595,423
200,000 " 499,999	16	266	503,981	63,185	3,925,847	4,958,294
500,000 " 999,999	2					
1,000,000 " 4,999,999	1	229	559,325	74,231	8,348,533	10,035,203
5,000,000 and over	1					
Totals	237	1,735	2,459,553	298,894	17,177,748	22,523,439
Nova Scotia:						
Under \$25,000	723	1,689	1,597,045	152,084	3,054,000	5,979,786
\$ 25,000 to \$ 49,999	213	1,339	1,842,114	156,041	4,210,524	7,751,095
50,000 " 99,999	209	2,340	3,330,949	259,193	8,880,461	15,010,614
100,000 " 199,999	133	2,522	3,956,905	442,125	10,516,287	18,697,149
200,000 " 499,999	109	4,038	7,200,198	868,983	19,614,508	32,743,337
500,000 " 999,999	44	3,067	6,013,927	697,644	17,352,111	29,998,075
1,000,000 " 4,999,999	32	6,093	13,118,418	1,477,663	35,265,889	64,814,181
5,000,000 and over	11	9,343	26,655,755	7,965,535	73,221,556	128,624,997
Head Offices ¹	—	81	230,443	—	—	—
Totals	1,474	30,512	63,975,754	12,017,268	172,115,336	303,619,234
New Brunswick:						
Under \$25,000	554	1,317	1,200,289	131,281	2,352,574	4,563,980
\$ 25,000 to \$ 49,999	155	1,056	1,440,671	144,421	3,097,295	5,733,822
50,000 " 99,999	146	1,720	2,367,069	261,915	5,927,603	10,552,982
100,000 " 199,999	95	1,768	2,834,114	321,489	7,735,258	13,464,975
200,000 " 499,999	58	2,085	4,012,811	483,694	10,064,010	17,860,000
500,000 " 999,999	26	1,940	3,636,795	289,009	10,199,758	17,513,927
1,000,000 " 4,999,999	38	6,365	12,721,786	1,170,261	40,310,938	68,314,214
5,000,000 and over	12	8,120	24,601,862	7,417,615	96,671,428	169,169,604
Head Offices ¹	—	134	731,485	—	—	—
Totals	1,084	24,505	53,546,882	10,219,685	176,358,864	307,173,504
Quebec:						
Under \$25,000	4,713	11,698	14,237,703	1,349,783	24,307,385	47,711,284
\$ 25,000 to \$ 49,999	1,741	11,541	17,940,627	1,146,587	32,658,537	62,491,670
50,000 " 99,999	1,691	18,179	31,766,174	1,822,863	67,014,647	120,868,348
100,000 " 199,999	1,364	25,464	47,461,206	2,529,600	109,482,391	193,068,492
200,000 " 499,999	1,199	47,645	94,347,799	4,707,143	200,072,949	376,766,565
500,000 " 999,999	512	40,041	83,879,669	4,800,077	191,132,767	356,686,891
1,000,000 " 4,999,999	469	94,346	222,699,818	17,754,470	517,687,718	1,000,245,020
5,000,000 and over	172	161,838	466,540,463	101,474,499	1,554,282,252	2,758,319,149
Head Offices ¹	—	6,430	26,728,221	—	—	—
Totals	11,861	417,182	1,005,601,680	135,585,022	2,696,638,646	4,916,157,419
Ontario:						
Under \$25,000	4,680	11,574	15,561,598	1,465,563	19,840,583	45,346,790
\$ 25,000 to \$ 49,999	1,789	11,064	20,269,353	1,477,504	30,883,145	64,307,509
50,000 " 99,999	1,758	18,126	37,427,646	2,560,291	63,857,404	126,802,180
100,000 " 199,999	1,461	26,492	58,303,055	3,485,096	107,577,182	208,373,330
200,000 " 499,999	1,449	54,807	126,617,468	7,039,646	232,511,543	463,828,215
500,000 " 999,999	734	54,928	133,604,099	8,157,215	256,443,245	525,187,490
1,000,000 " 4,999,999	882	168,239	456,526,311	37,293,273	1,083,636,281	1,915,722,500
5,000,000 and over	272	249,175	799,775,678	109,458,197	2,539,644,984	4,725,163,203
Head Offices ¹	—	5,028	21,301,774	—	—	—
Totals	13,025	599,433	1,669,386,982	170,936,785	4,334,394,367	8,074,731,217
Manitoba:						
Under \$25,000	682	1,555	2,045,589	167,357	2,733,880	6,065,037
\$ 25,000 to \$ 49,999	161	1,122	1,943,749	143,786	2,672,043	5,722,767
50,000 " 99,999	170	2,133	4,125,633	5,867,004	5,867,642	12,719,606
100,000 " 199,999	153	2,543	5,121,378	303,812	12,507,183	21,932,732
200,000 " 499,999	170	5,922	12,772,436	803,018	28,959,827	52,876,777
500,000 " 999,999	76	4,853	11,295,207	592,253	30,441,761	52,355,139
1,000,000 " 4,999,999	80	12,093	30,066,944	3,086,111	88,793,558	160,412,651
5,000,000 and over	20	11,058	32,111,640	3,932,426	177,227,718	239,261,337
Head Offices ¹	—	180	688,390	—	—	—
Totals	1,512	41,439	100,170,966	9,293,767	349,203,612	551,346,046
Saskatchewan:						
Under \$25,000	624	1,216	1,276,318	137,523	1,586,958	3,864,628
\$ 25,000 to \$ 49,999	91	617	1,077,690	100,480	1,512,317	3,381,702
50,000 " 99,999	75	727	1,555,015	154,406	2,462,377	5,406,677
100,000 " 199,999	58	733	1,764,959	220,299	4,813,812	8,318,283
200,000 " 499,999	66	1,732	3,745,131	390,089	13,753,137	21,537,258
500,000 " 999,999	23	1,156	2,757,643	231,874	10,057,506	15,797,833
1,000,000 " 4,999,999	26	2,096	5,352,602	593,370	26,031,546	43,792,090
5,000,000 and over	10	2,562	8,181,032	2,744,924	124,933,802	148,714,555
Head Offices ¹	—	184	579,904	—	—	—
Totals	973	11,023	26,290,294	4,572,965	185,151,455	250,813,926

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 Gross Value of Production per Establishment, 1951 - Concluded

	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost of materials	Gross value of products
	No.	No.	\$	\$	\$	\$
Alberta:						
Under \$25,000	1,238	2,522	2,793,262	272,585	3,976,409	9,082,466
\$ 25,000 to \$ 49,999	238	1,455	2,638,292	188,049	4,078,445	8,667,296
50,000 " 99,999	190	1,914	3,648,519	296,779	6,836,963	13,191,959
100,000 " 199,999	192	2,824	6,099,680	476,529	15,043,849	26,737,068
200,000 " 499,999	128	3,628	8,361,854	520,532	22,707,022	39,066,710
500,000 " 999,999	62	3,263	8,069,772	568,607	24,819,869	42,082,389
1,000,000 " 4,999,999	52	7,586	19,376,705	2,105,103	66,338,802	112,606,454
5,000,000 and over	18	5,813	17,719,014	2,773,008	165,629,259	206,847,042
Head Offices ¹	—	100	428,489	—	—	—
Totals	2,118	29,105	69,135,587	7,201,192	309,430,618	458,281,384
British Columbia:						
Under \$25,000	1,763	4,480	5,735,888	492,160	7,598,645	17,487,688
\$ 25,000 to \$ 49,999	543	3,373	6,370,100	443,605	8,592,036	19,407,721
50,000 " 99,999	459	4,883	11,021,992	717,623	14,458,048	33,029,254
100,000 " 199,999	425	7,467	18,382,894	1,190,007	27,269,425	60,079,376
200,000 " 499,999	321	9,955	26,190,293	1,848,250	50,455,172	101,132,728
500,000 " 999,999	161	9,732	26,652,634	1,705,639	62,782,620	116,662,049
1,000,000 " 4,999,999	175	23,993	69,392,508	5,130,309	193,314,999	353,373,513
5,000,000 and over	50	28,984	95,415,223	11,053,765	425,369,472	703,708,012
Head Offices ¹	—	780	3,464,751	10,001	—	—
Totals	3,897	93,647	262,626,283	22,591,359	789,840,417	1,404,880,341
Yukon and Northwest Territories:						
Under \$25,000	8	17	24,934	5,361	28,092	79,861
\$ 25,000 to \$49,999	4	20	45,132	6,964	50,227	140,030
50,000 " 99,999	3	23	60,279	6,909	112,924	238,487
100,000 and over	3	92	275,345	142,698	906,748	1,560,531
Totals	18	152	405,690	161,932	1,097,991	2,018,909

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, 1951

The economic development of the Atlantic Provinces may be suggested in the fact that manufacturing production has more than tripled since 1939. Recently the fisheries industry has been completely revamped, forest products operations have been expanded and the steel and coal industry has been improved and enlarged. At the same time many new manufacturing projects have been successfully organized. In Newfoundland new economic development is influencing fishing, pulp and paper, mining and agriculture. Since 1949 new projects include a cement plant, gypsum plant, birch plant, heavy machinery plant, tannery, marine oil hardening plant, cotton textile mill, fur dyeing and processing plant, leather goods plant, chipped board plant and an optical plant. In Prince Edward Island there has been a broad advance on all economic fronts. In 1951 records were made in some branches of agriculture, particularly in creamery butter

output, and there was steady progress in the fishing and lumbering industries. In Nova Scotia in 1951 primary industries were solving difficult problems and the expanded national defence program was influencing manufacturing industries. Orders for naval rotor forgings, shells and railroad cars were running into several million dollars and there was modernization in the basic coal, steel and fish-processing industries. In 1951 New Brunswick's three basic industries—agriculture, forest industries and commercial fisheries—moved forward and there was new exploitation of mineral and power resources, the latter having an important bearing on cement production levels. There were also major extensions to many pulp and paper mills. The manufacturing industries based on wood, including sash and door factories, a veneer plant and a plywood plant, maintained a strong position.

TABLE 5. Statistics of the Leading Industries of the Province of Newfoundland, 1951

No.	Industry	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of materials	Net value of products	Gross value of products
		No.	No.	\$	\$	\$	\$
1	Pulp and paper	3	3,279	13,392,916	23,133,696	34,174,834	59,958,553
2	Fishing processing	38	2,289	2,963,153	6,721,353	7,031,299	14,377,533
3	Sawmills	557	949	581,691	1,308,366	1,354,163	2,727,335
4	Sash, door and planing mills	25	270	501,156	1,442,764	1,030,362	2,510,685
5	Bread and other bakery products	11	248	413,777	1,517,684	650,639	2,231,470
6	Breweries	3	126	308,581	502,514	1,447,323	2,016,821
7	Carbonated beverages	10	125	229,716	585,609	882,424	1,500,947
8	Printing and publishing	8	195	601,278	215,186	904,851	1,145,120
9	All other leading industries ¹	10	775	1,500,758	4,427,349	3,066,881	7,610,266
	Total, leading industries	665	8,256	20,493,026	39,854,521	50,542,776	94,078,730
	Total, all industries	822	9,622	22,681,246	43,117,299	53,690,187	100,642,613
	Percentage of leading industries to all industries	80.9	85.8	90.4	92.4	94.1	93.5

1. Includes: Biscuits, Cordage, rope and twine, Dairy products n.s., Tobacco, cigars and cigarettes, Miscellaneous food preparations n.e.s.

TABLE 6. Statistics of the Leading Industries of the Province of Prince Edward Island, 1951

No.	Industry	Estab- lishments	Employees	Salaries and wages	Cost of materials	Net value of products	Gross value of products
		No.	No.	\$	\$	\$	\$
1	Butter and cheese	23	149	269,070	3,543,433	548,422	4,148,856
2	Fish processing	55	457	399,711	2,102,110	760,749	2,906,915
3	Feeds, stock and poultry, prepared	11	57	96,395	1,251,903	235,650	1,503,892
4	Sawmills	78	160	117,962	311,747	285,926	610,578
5	Printing and publishing	4	138	286,405	139,359	430,451	580,712
6	Fruit and vegetable preparations	8	107	97,066	333,440	122,002	467,737
7	Bread and other bakery products	11	80	103,431	222,526	161,586	402,242
8	Sash, door and planing mills	3	63	84,050	269,060	126,387	401,307
9	Carbonated beverages	6	27	45,266	110,044	188,581	307,639
10	All other leading industries ¹	4	229	559,325	8,348,532	1,612,440	10,035,203
	Total leading industries	203	1,467	2,058,681	16,632,154	4,472,194	21,365,081
	Total, all industries	237	1,735	2,459,553	17,177,748	5,046,797	22,523,439
	Percentage of leading industries to all industries	85.7	84.6	83.7	96.8	88.6	94.9

1. Includes: Bags, cotton and jute, Fertilizers, Slaughtering and meat packing.

TABLE 7. Statistics of the Leading Industries of the Province of Nova Scotia, 1951

No.	Industry	Estab- lishments	Employees	Salaries and wages	Cost of materials	Net value of products	Gross value of products
		No.	No.	\$	\$	\$	\$
1	Primary iron and steel	5	4,837	13,254,893	20,341,735	14,854,317	39,512,061
2	Fish processing	203	4,003	6,043,585	25,650,791	12,576,436	38,818,949
3	Railway rolling stock	3	1,213	3,081,343	15,667,273	7,649,245	23,581,101
4	Sawmills	594	3,312	4,178,684	12,685,703	8,553,417	21,534,108
5	Pulp and paper	4	1,143	3,727,099	6,302,882	10,876,491	18,574,028
6	Shipbuilding	20	2,128	5,514,441	3,714,699	6,905,138	10,866,436
7	Butter and cheese	23	562	1,083,890	6,026,646	2,357,608	8,598,012
8	Miscellaneous iron and steel products	4	905	2,421,394	4,715,292	3,091,745	8,182,758
9	Sash, door and planing mills	68	972	1,701,424	4,340,088	2,566,307	7,020,262
10	Bread and other bakery products	76	763	1,389,108	3,606,879	2,937,266	6,768,456
11	Printing and publishing	29	758	1,751,891	1,123,141	3,550,667	4,741,832
12	Knitted goods, other than hosiery ¹	3	574	1,032,333	3,296,545	1,067,273	4,430,832
13	Confectionery	8	818	1,240,637	2,701,497	1,152,602	3,930,809
14	Carbonated beverages	30	300	522,511	1,212,895	1,958,852	3,272,920
15	Feeds, stocks and poultry, prepared	9	84	135,762	2,653,893	440,063	3,111,596
16	Fruit and vegetable preparations	21	517	683,597	1,624,820	1,066,481	2,784,206
17	Miscellaneous food preparations n.e.s.	10	167	308,219	1,964,877	590,875	2,582,909
18	Fertilizers	3	65	130,554	1,690,708	558,158	2,262,710
19	Clothing, men's, factory	7	380	443,760	1,326,860	803,506	2,144,744
20	All other leading industries ²	8	2,147	6,048,974	36,069,807	19,659,832	58,061,069
	Total, leading industries	1,128	25,648	54,694,099	156,717,031	103,216,279	270,779,798
	Total, all industries	1,474	30,512	63,975,754	172,115,336	119,486,630	303,619,234
	Percentage of leading industries to all industries	76.8	84.1	85.5	91.1	86.4	89.2

1. Not comparable with years prior to 1949.

2. Includes: Breweries, Cotton yarn and cloth, Machinery, household, office and store, Wire and wire goods, Petroleum products, Coke and gas.

TABLE 8. Statistics of the Leading Industries of the Province of New Brunswick, 1951

No.	Industry	Estab- lishments	Employees	Salaries and wages	Cost of materials	Net value of products	Gross value of products
		No.	No.	\$	\$	\$	\$
1	Pulp and paper	7	3,807	14,243,528	39,349,400	48,420,164	94,066,395
2	Sawmills	418	3,098	4,901,130	12,176,136	9,708,961	22,124,951
3	Fish processing	178	3,004	3,192,251	12,581,951	5,560,682	18,590,358
4	Slaughtering and meat packing	3	379	1,062,352	11,557,186	2,236,649	13,870,432
5	Miscellaneous food preparations n.e.s.	11	322	480,723	8,006,699	2,127,820	10,185,272
6	Butter and cheese	33	429	763,272	6,309,688	2,038,369	8,511,498
7	Sash, door and planing mills	64	1,093	1,994,733	5,485,299	2,754,793	8,342,059
8	Bread and other bakery products	68	774	1,427,808	3,476,798	2,689,289	6,409,317
9	Feeds, stock and poultry, prepared	11	158	333,553	5,306,499	620,528	5,971,900
10	Heating and cooking apparatus	3	690	1,697,709	2,205,485	2,639,293	4,961,813
11	Biscuits	3	378	749,266	2,122,276	1,969,218	4,150,475
12	Fertilizers	3	111	284,550	2,725,288	646,273	3,412,615
13	Printing and publishing	19	611	1,330,932	645,969	2,327,189	3,030,094
14	Miscellaneous wood products, n.e.s.	6	220	396,952	1,755,487	579,828	2,392,400
15	Footwear, leather	4	296	489,140	1,401,705	919,326	2,334,770
16	All other leading industries ¹	12	6,213	14,866,340	50,492,077	24,961,027	76,915,627
	Total, leading industries	843	21,583	48,214,239	165,597,943	110,199,409	285,269,976
	Total, all industries	1,084	24,505	53,546,882	176,358,864	120,594,955	307,173,504
	Percentage of leading industries to all industries	77.8	88.1	90.0	93.9	91.4	92.9

1. Includes: Breweries, Sugar refineries, Cotton yarn and cloth, Synthetic textiles and silk, Railway rolling stock, Shipbuilding, Brooms, brushes and mops, Brass and copper products, Gypsum products.

Section 3. The Manufactures of Quebec, 1951

Quebec, with more than one-half of Canada's developed hydro-electric power, enjoys a wide variety of rich natural resources including most of the world's known reserves of asbestos, vast iron deposits, great reserves of copper, lead and zinc, the largest known supply of titanium, gold in abundance and new finds of oil underlying the rocks of her eastern extremity, the Gaspé Peninsula. The geographic situation of the province is extremely favourable with a harbour 800 miles inland where sea-going vessels of heavy tonnage can dock. There is also an extensive highway system linking the small rural communities to the big cities.

In manufacturing, Quebec leads all the provinces in the production of textiles, chemicals and some heavy industry products. From her mills come one-third of the world's wood-pulp

and one-fifth of its newsprint. Since the beginning of World War II, 5,600 new manufacturing establishments have come into the province and, at the same time, agricultural productivity has continued to increase under the impact of modernized farming techniques. It is significant that the recent industrial expansion is not confined to the cities, but has spread through towns and villages all over the accessible areas of the province. For example, since 1945 no less than 44 new industries, widely diversified, have settled in St. Johns, a city of 19,000 population situated about twenty miles from Montreal. Quebec's large industries cover a wide range including pulp and paper, tobacco, cigars and cigarettes, cotton yarn and cloth, leather boots and shoes, clothing, railway rolling-stock, silk and artificial silk, medicinal and pharmaceutical preparations and fur goods.

TABLE 9. Statistics of the Leading Industries of the Province of Quebec, 1951

No.	Industry	Estab- lishments	Em- ployees	Salaries and wages	Cost of materials	Net value of products	Gross value of products
		No.	No.	\$	\$	\$	\$
1	Pulp and paper.....	55	24,449	89,047,307	213,576,247	272,958,336	524,164,254
2	Non-ferrous metal smelting and refining	8	8,633	28,379,354	195,829,047	85,772,709	307,000,723
3	Petroleum products.....	7	2,435	8,536,072	181,887,987	55,578,547	247,592,260
4	Slaughtering and meat packing	37	4,017	11,421,690	167,526,238	23,484,242	191,929,652
5	Cotton yarn and cloth.....	21	18,161	37,396,638	117,210,947	62,258,723	182,144,774
6	Clothing, men's, factory.....	347	17,838	33,259,007	75,246,359	60,047,109	135,669,021
7	Clothing, women's, factory ¹	554	18,800	35,874,994	69,916,157	64,109,789	134,331,439
8	Railway rolling stock.....	10	15,572	41,560,420	73,083,300	50,028,360	125,431,372
9	Butter and cheese.....	750	5,647	11,144,098	90,248,436	19,273,585	111,500,086
10	Tobacco, cigars and cigarettes.....	33	7,290	19,396,681	59,244,465	48,954,619	108,517,654
11	Miscellaneous electrical apparatus and supplies ¹	32	11,905	34,414,166	44,703,454	62,409,117	107,983,537
12	Synthetic textiles and silk.....	33	13,016	31,586,865	44,298,993	59,215,888	105,863,786
13	Sawmills.....	1,931	10,763	16,108,157	54,827,917	33,687,599	89,401,801
14	Miscellaneous food preparations n.e.s. ²	84	2,463	5,527,463	54,810,623	20,267,534	75,621,182
15	Bread and other bakery products.....	962	9,425	18,119,326	35,772,063	32,480,901	70,423,821
16	Footwear, leather	182	12,188	20,775,935	39,440,836	30,163,477	69,911,651
17	Brass and copper products.....	37	3,101	8,735,203	50,540,312	17,647,896	68,991,364
18	Machinery, industrial ¹	57	7,452	22,388,109	30,828,502	34,861,851	66,548,899
19	Furniture.....	436	9,047	18,721,869	29,134,816	31,148,508	60,953,877
20	Feeds, stock and poultry, prepared	200	1,375	2,849,426	47,203,218	7,267,679	54,910,661
21	Rubber goods.....	24	7,184	17,423,541	24,938,363	28,790,508	54,504,987
22	Aircraft and parts	9	8,950	27,124,974	23,464,403	29,391,201	53,427,598
23	Boxes and bags, paper.....	53	4,383	9,060,798	30,625,772	20,629,091	51,529,616
24	Sheet metal products.....	66	4,896	13,435,954	26,568,427	22,762,247	49,847,845
25	Acids, alkalies and salts.....	10	3,258	11,095,188	17,893,342	26,930,869	49,062,246
26	Primary iron and steel	13	4,199	12,823,031	17,811,850	27,761,050	48,758,840
27	Printing and publishing	83	6,483	18,063,225	14,654,366	32,054,671	47,064,750
28	Breweries.....	8	2,831	9,407,754	15,466,908	30,683,063	46,919,240
29	Distilled liquors	8	2,033	5,932,718	17,677,705	26,454,874	45,241,268
30	Sash, door and planing mills.....	763	5,733	10,372,192	26,849,768	17,141,643	44,666,659
31	Miscellaneous chemical products n.e.s.	66	5,065	12,754,856	19,376,107	21,352,941	41,874,011
32	Woollen cloth.....	35	3,248	7,405,374	28,614,881	12,263,560	41,405,301
33	Medicinal and pharmaceutical preparations.....	91	3,678	9,588,414	12,739,120	28,185,281	41,374,453
34	Knitted goods, other than hosiery ¹	69	5,113	9,034,876	22,773,682	17,213,466	40,348,049
35	Castings, iron	59	4,506	12,444,040	19,528,629	19,503,309	39,838,027
36	Aluminum products	22	2,172	6,467,974	24,209,124	14,019,739	38,503,122
37	Printing and bookbinding.....	531	6,591	15,870,537	12,843,850	24,547,793	37,773,640
38	Miscellaneous paper goods.....	67	2,627	5,798,779	21,362,145	15,545,779	37,151,153
39	Bridge building and structural steel.....	10	2,843	9,340,705	17,094,617	18,595,065	36,048,319
40	Shipbuilding.....	10	5,131	13,266,056	12,803,604	20,641,132	33,918,030
Total, leading industries ³		7,773	294,501	731,953,766	2,082,626,580	1,526,083,751	3,718,148,968
Total, all industries		11,861	417,182	1,005,601,680	2,696,638,646	2,083,933,751	4,916,157,419
Percentage of leading industries to all industries....		65.5	70.6	72.8	77.2	73.2	75.6

1. Not comparable with years prior to 1949.

2. Not comparable with previous years.

3. Sugar refining is also a leading industry. Statistics, however, are confidential.

Section 4. The Manufactures of Ontario, 1951

Ontario, which produces approximately half of the nation's manufactured goods, is recognized as one of the world's major industrial areas. Its industrial production in the past ten years has more than doubled and has advanced in diversity as well as in volume. Between 1946 and 1951, 504 new companies began operations in Ontario, giving employment at the end of 1951 to 32,953 people. Most of the new companies were Canadian in origin. In 1951, of 92 new undertakings, 46 were Canadian, 32 American, 9 British and 5 other European. Three factors have been decisive in the development of Ontario to its present industrial position: the proximity of raw materials, cheap hydro-electric power and a strategic location in relation to export markets not only on the North American Continent but overseas.

Ontario's industrial importance may be suggested in the fact that practically all of Canada's output of motor-vehicles, agricultural implements and starch products comes from Ontario, as well as more than 50 per cent of the iron and steel products, rubber goods, electrical apparatus and supplies, flour and feed mill products, hosiery and knitted goods, furniture, fruit and vegetable preparations and tannery products. Ontario is the only Canadian province to produce steam and gas turbines, spark plugs, stainless steel rolling-mill products, and radium products for commercial and medical use. Ontario's pulp and paper industry supplies about 13 per cent of the world's total of newsprint and paper products. Ontario's domination of a number of

Canada's forty leading industries in percentage of total output may be illustrated as follows for 1951: motor vehicles 98, motor vehicle parts 97, heavy electrical machinery 96, agricultural implements 94, rubber goods 82, primary iron and steel 77, iron castings 69, fruit and vegetable preparations 68, sheet metal products 60, miscellaneous electrical apparatus and supplies n.e.s. 50, flour mills 47, non-ferrous metal smelting and refining 41, slaughtering and meat packing 40, butter and cheese 36, pulp and paper 34 and petroleum products 26.

In addition Ontario dominated many of the smaller industries in 1951 as follows: machine tools 100, tobacco processing and packing 93.9 per cent, soaps, washing compounds and cleaning preparations 89.5, hardware, tools and cutlery 72.2, household, office and store machinery 72.1, refrigerators, vacuum cleaners and appliances 71.6, wire and wire goods 62.1, miscellaneous chemical products n.e.s. 61.4, coke and gas products 60.9, miscellaneous paper goods 59.8, printing and book-binding 59.4, acids, alkalies and salts 56.7, brass and copper products 56.5, boxes and bags, paper 54.8, industrial machinery 53.6, furniture 51.5, printing and publishing 48.7, feeds, stock and poultry, prepared 44.1, bread and other bakery products 42.2, breweries 39.9, miscellaneous food preparations n.e.s. 38.8, clothing, men's factory 30.2, railway rolling stock 30.2, cotton yarn and cloth 28.0 etc.

TABLE 10. Statistics of the Leading Industries of the Province of Ontario, 1951

No.	Industry	Establishments	Employees	Salaries and wages	Cost of materials	Net value of products	Gross value of products
		No.	No.	\$	\$	\$	\$
1	Motor vehicles	12	29,413	98,585,038	459,738,923	266,350,895	728,613,205
2	Pulp and paper	44	18,348	69,105,025	152,196,242	213,865,701	387,041,628
3	Primary iron and steel	24	22,670	77,427,879	178,221,367	157,409,525	359,409,798
4	Slaughtering and meat packing	61	8,073	24,185,518	304,088,225	49,834,086	355,623,746
5	Non-ferrous metal smelting and refining	7	9,539	31,492,681	176,377,172	161,481,600	353,410,730
6	Rubber goods, including footwear	37	15,825	46,832,708	121,981,566	132,244,763	256,983,995
7	Motor vehicle parts	94	20,205	62,843,598	139,051,729	112,999,468	255,216,657
8	Machinery, heavy, electrical ¹	34	23,956	71,997,614	92,011,401	117,976,614	211,736,424
9	Agricultural implements	35	16,022	49,236,463	91,687,665	67,311,193	160,823,631
10	Petroleum products	14	4,907	17,458,996	104,000,618	41,344,080	153,525,619
11	Fruit and vegetable preparations	214	10,269	20,083,968	75,844,483	58,898,828	136,547,271
12	Butter and cheese	594	7,831	18,685,229	98,878,612	31,446,115	132,907,333
13	Flour mills ¹	61	2,196	6,411,121	114,093,464	15,822,050	130,611,044
14	Sheet metal products	145	10,258	29,654,673	64,832,990	51,724,192	117,957,515
15	Castings, iron	95	11,124	34,860,924	51,607,751	60,404,546	114,424,622
16	Miscellaneous electrical apparatus and supplies n.e.s. ¹	91	9,023	25,499,009	53,369,737	55,218,032	109,620,569
17	Machinery, industrial ¹	171	11,438	35,073,653	38,413,386	68,771,058	108,256,267
18	Bread and other bakery products	878	14,379	30,872,621	49,277,835	50,730,274	103,398,406
19	Brass and copper products	87	6,033	18,115,792	66,849,915	33,715,132	101,713,204
20	Miscellaneous food preparations n.e.s. ²	127	4,373	10,422,904	70,987,940	28,487,454	101,126,022
21	Furniture	581	13,953	33,066,289	45,335,834	51,894,560	98,316,401
22	Printing and publishing	302	12,496	37,256,286	28,478,443	66,466,366	95,863,645
23	Boxes and bags, paper	103	7,280	18,974,291	55,638,989	38,098,548	94,380,486
24	Railway rolling stock	15	6,510	21,478,522	55,376,534	34,308,967	90,795,956
25	Printing and bookbinding	701	12,288	31,260,451	34,719,167	53,704,255	89,098,975
26	Hardware, tools and cutlery	209	10,325	29,217,684	29,017,915	53,772,632	84,082,896
27	Miscellaneous paper goods	111	5,757	15,501,821	46,551,708	35,162,708	82,384,333
28	Miscellaneous chemical products n.e.s.	113	4,183	12,930,316	37,170,007	37,926,718	80,812,426
29	Refrigerators, vacuum cleaners and appliances ¹	63	6,307	18,064,454	38,239,251	39,859,939	78,796,036
30	Feeds, stock and poultry, prepared	276	2,546	5,844,168	62,425,435	13,607,217	77,021,112
31	Cotton yarn and cloth	29	8,060	18,254,309	46,918,075	28,627,189	76,643,198
32	Sawmills	1,340	9,265	17,192,740	40,014,300	35,156,523	76,072,011
33	Clothing, men's, factory	150	10,443	21,635,597	38,440,030	33,340,850	72,026,902
34	Coke and gas products	16	2,975	8,916,748	38,542,416	25,186,511	67,358,509
35	Acids, alkalies and salts	16	3,981	13,071,859	21,199,043	38,738,224	66,819,780
36	Machinery, household, office and store	40	5,579	16,293,794	29,261,650	36,508,091	66,188,509
37	Wire and wire goods	66	5,721	17,838,053	24,801,984	40,371,841	66,056,768
38	Soaps, washing compounds and cleaning preparations	60	3,092	9,984,733	38,516,046	26,561,843	55,981,955
39	Breweries	21	2,970	10,474,955	18,224,270	45,134,007	64,262,387
40	Tobacco processing and packing	9	1,335	2,593,208	54,147,773	4,585,731	58,898,194
Total, leading industries		7,046	390,948	1,138,695,692	3,286,529,891	2,515,048,306	5,930,808,165
Total, all industries		13,025	599,433	1,669,386,982	4,334,394,367	3,569,400,065	8,074,731,217
Percentage of leading industries to all industries		54.1	65.2	68.2	75.8	70.5	73.4

1. Not comparable with years prior to 1949.

2. Not comparable with previous years.

Section 5. The Manufactures of the Prairie Provinces, 1951

The Prairie Provinces are endowed with great natural resources above and below the ground—rich promises of oil, natural gas, uranium and base metals—flooding capital investment, new industry and a firm market outlook for peak agricultural production. During 1951, oil and gas discoveries came at the rate of better than one a week and estimated oil reserves soared to 1,700,000,000 bbl.; from Manitoba to the Rockies, natural gas and oil are helping to create a new industrial empire to rival the agricultural mainstays. In Manitoba the value of manufacturing production established a new record in 1951, amounting to more than \$70,000,000 above 1950. From 1948 to 1951 new investment totalled \$58,600,000 and, during 1951, 25 new industries started operations in the province, bringing the total since 1946 to 245. Secondary industry plays an important role in Saskatchewan's current activity with manufacturing production in the vicinity of \$250,000,000. Flour-milling, meat-packing, creameries and petroleum-refining make up the four well-developed secondary industries in the province. Alberta, however, is the outstanding a-

chievement of Prairie industrial expansion. In 1951, new construction starts on industrial development amounted to just under \$100,000,000 and in the foreseeable future to \$800,000,000 more.

Concerning the Prairie Provinces as an economic unit, slaughtering and meat packing had the largest gross value of production in 1951, amounting to \$262,199,618, followed by petroleum products with \$130,686,339, flour mills \$113,713,859, butter and cheese \$86,513,943 and railway rolling-stock \$48,745,106. These five industries accounted for 51 per cent of the total production of the Prairie Provinces. Other leading industries, in order of gross value of production, were: bread and other bakery products, miscellaneous foods, sawmills, breweries, planing mills, printing and publishing, men's factory clothing, prepared stock and poultry feeds, furniture, printing and book binding, pulp and paper, sheet metal products, women's factory clothing, carbonated beverages, etc.

TABLE 11. Statistics of the Leading Industries of the Province of Manitoba, 1951

No.	Industry	Estab- lishments	Em- ployees	Salaries and wages	Cost of materials	Net value of products	Gross value of products
		No.	No.	\$	\$	\$	\$
1	Slaughtering and meat packing.....	14	2,758	8,488,894	100,744,384	17,304,984	118,518,654
2	Railway rolling stock	4	6,065	16,696,467	18,188,726	17,187,504	35,949,321
3	Flour mills ¹	9	523	1,161,150	24,354,337	3,192,480	27,702,651
4	Butter and cheese	74	1,535	3,578,273	19,688,664	7,033,429	27,106,232
5	Petroleum products	4	358	1,113,217	17,192,300	3,088,003	21,061,570
6	Miscellaneous food preparations ²	24	633	1,584,153	16,078,473	4,559,134	21,000,336
7	Clothing, men's, factory	39	2,438	4,361,183	10,205,831	7,808,886	18,077,230
8	Bread and other bakery products	122	1,530	3,481,894	6,456,125	6,131,562	12,999,173
9	Pulp and paper ³	2	487	1,754,303	3,522,079	8,137,890	12,589,185
10	Clothing, women's, factory ¹	32	1,764	3,359,108	6,444,104	4,931,332	11,414,005
11	Furniture	95	1,383	3,180,840	6,299,701	4,990,036	11,394,575
12	Printing and publishing	78	1,626	3,923,332	3,308,422	7,662,733	11,091,840
13	Breweries	6	566	1,778,879	1,996,514	7,092,776	9,243,149
14	Printing and bookbinding	76	1,478	3,466,793	2,969,974	5,911,541	8,955,065
15	Primary iron and steel	4	1,000	2,792,450	2,672,887	5,563,398	8,732,057
16	Boxes and bags, paper	8	579	1,522,357	5,096,229	3,475,734	8,618,299
17	Bags, cotton and jute	4	206	444,065	7,467,042	694,305	8,180,784
18	Sheet metal products	18	875	2,151,161	3,722,243	3,984,656	7,786,847
19	Feeds, stock and poultry, prepared	37	251	533,108	5,820,961	1,207,545	7,107,015
20	Fur goods	60	727	1,650,117	3,955,205	2,255,280	6,235,843
21	Carbonated beverages	21	382	827,273	2,015,492	3,389,817	5,532,415
22	All other leading industries ⁴	6	1,119	3,392,036	24,898,981	9,180,837	34,843,284
	Total, leading industries	737	28,283	71,241,053	293,098,674	134,783,862	434,139,530
	Total, all industries	1,512	41,459	100,170,966	349,203,612	192,848,667	551,346,046
	Percentage of leading industries to all industries	48.7	68.2	71.1	83.9	69.9	78.7

1. Not comparable with years prior to 1949.

2. Not comparable with previous years.

3. Publication of these figures was authorized by the two firms reporting.

4. Includes: Biscuits, Bridge building and structural steel, Non-ferrous smelting and refining, and Sugar.

TABLE 12. Statistics of the Leading Industries of the Province of Saskatchewan, 1951

No.	Industry	Estab- lishments	Em- ployees	Salaries and wages	Cost of materials	Net value of products	Gross value of products
		No.	No.	\$	\$	\$	\$
1	Petroleum products	8	764	2,470,190	36,189,669	9,317,334	46,902,653
2	Flour mills ¹	14	710	2,026,035	37,125,606	6,894,920	44,395,914
3	Slaughtering and meat packing	9	1,212	3,575,079	32,442,862	6,330,443	39,049,912
4	Butter and cheese	62	1,218	2,855,077	21,130,440	5,825,341	27,327,603
5	Breweries	5	365	1,012,640	1,965,193	5,999,664	8,093,341
6	Bread and other bakery products	83	956	1,876,101	4,105,260	3,679,806	7,992,470
7	Printing and publishing	107	1,127	2,646,042	1,505,733	4,311,805	5,910,472
8	Sawmills	372	866	992,285	1,648,591	2,760,032	4,497,183
9	Sash, door and planing mills	25	451	821,464	1,606,040	1,255,242	2,909,336
10	Feeds, stock and poultry, prepared	12	82	196,459	2,109,032	505,178	2,640,754
11	Carbonated beverages	22	275	581,401	1,083,122	1,419,278	2,635,374
12	Sheet metal products	5	153	363,047	1,217,904	849,094	2,079,634
	Total, leading industries listed above²	724	8,179	19,415,820	142,129,452	49,148,137	194,434,646
	Total, all industries	973	11,023	26,290,294	185,151,455	61,088,606	250,813,026

1. Not comparable with years prior to 1949.

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. Statistics of the Leading Industries of the Province of Alberta, 1951

No.	Industry	Estab- lishments No.	Em- ployees No.	Salaries and wages \$	Cost of materials \$	Net value of products \$	Gross value of products \$
1	Slaughtering and meat packing	12	2,860	8,532,987	90,266,175	13,940,411	104,631,052
2	Petroleum products	10	1,028	3,513,101	48,887,865	12,086,452	62,722,116
3	Flour mills ¹	17	799	1,964,848	36,179,633	5,197,944	41,615,294
4	Butter and cheese	102	1,656	3,766,022	24,816,273	6,881,455	32,080,108
5	Sawmills	912	3,872	5,191,056	11,731,946	10,450,358	22,667,881
6	Sash, door and planing mills	108	1,700	3,773,496	11,940,279	6,270,662	18,406,297
7	Bread and other bakery products	131	1,466	3,262,696	6,548,818	6,658,573	13,425,925
8	Railway rolling stock	3	2,130	5,915,225	6,650,681	5,916,225	12,795,785
9	Breweries	5	556	1,590,370	3,241,530	8,124,826	11,484,631
10	Miscellaneous food preparations n.e.s. ²	13	286	650,252	7,843,739	1,976,050	9,945,310
11	Printing and publishing	83	1,103	2,694,763	2,233,731	6,034,006	8,330,542
12	Feeds, stock and poultry, prepared	50	300	669,415	6,196,461	1,243,791	7,539,657
13	Clothing, men's, factory	9	751	1,353,407	3,852,519	2,106,365	5,972,637
14	Miscellaneous wood products n.e.s. ¹	13	277	702,845	3,333,141	1,158,941	4,542,659
15	Machine shops	55	617	1,821,388	1,261,675	2,991,414	4,334,417
16	Furniture	66	531	1,197,767	2,041,091	2,065,168	4,143,340
17	Glass and glass products	3	396	1,070,131	1,727,864	2,360,687	4,124,349
18	Printing and bookbinding	72	731	1,829,717	1,246,828	2,728,629	4,007,694
19	Bridge building and structural steel	3	480	1,310,710	1,718,409	2,166,541	3,916,096
20	Cement products	27	335	978,629	1,969,845	1,836,708	3,885,065
21	Carbonated beverages	20	302	609,344	1,542,196	2,046,276	3,685,211
22	Machinery, industrial ¹	9	576	1,407,684	1,303,255	2,227,952	3,566,450
23	Fruit and vegetable preparations	9	248	440,309	1,477,062	1,596,164	3,134,821
24	Bags, cotton and jute	3	61	113,341	2,326,369	350,076	2,680,731
25	Sheet metal products	7	231	492,701	1,368,657	1,274,099	2,650,582
26	Biscuits	4	219	394,272	1,212,996	1,229,904	2,452,531
27	Agricultural implements	11	263	733,137	872,835	1,101,732	2,008,205
28	Motor vehicle parts	15	208	550,094	1,201,218	741,995	1,957,076
29	Gases, compressed	6	156	501,724	379,152	1,441,307	1,886,529
30	Clay products from domestic clay	11	406	924,373	19,814	1,706,567	1,787,731
31	Signs, electric, neon and other	12	159	484,055	546,295	1,069,314	1,644,006
32	Miscellaneous iron and steel products n.e.s.	9	114	320,995	893,558	658,594	1,560,486
33	Boxes and baskets, wood	7	215	444,040	717,891	587,707	1,323,848
34	Brass and copper products	3	48	135,139	923,941	368,039	1,299,554
35	Castings, iron	6	207	517,790	537,962	732,336	1,290,785
36	All other leading industries ³	12	1,801	4,927,639	13,331,200	14,051,612	29,092,059
Total, leading industries		1,838	27,088	64,785,462	302,342,904	133,378,880	442,591,460
Total, all industries		2,118	29,105	69,135,587	309,430,618	141,649,574	458,281,384
Percentage of leading industries to all industries		86.8	93.1	93.7	97.7	94.2	96.6

1. Not comparable with years prior to 1949.

2. Not comparable with previous years.

3. Includes: Aircraft and parts, Boxes and bags, paper, Concentrated milk, Cement, Distilled liquors, Fertilizers, Sugar and Vegetable oils.

Section 6. The Manufactures of British Columbia, 1951

British Columbia's vast forest resources were responsible for the advance of that province to third position in manufacturing but the industrial base is being constantly widened. In central British Columbia a large aluminum project is being carried out, a \$30,000,000 cellulose plant has been put into operation, and a new highway to the north is under construction. All over the province, in the little towns, in the unorganized territories and in the major cities, the natural resources of the forest, mine and field are being fashioned by new and modern processes into goods and materials finding acceptance in domestic and foreign markets. In the past ten years the value of manufacturing production has more than trebled, rising from \$412,957,807 in 1941 to \$1,404,880,341 in 1951.

One of the most impressive fields of expansion is to be found in the pulp and paper industry. British Columbia accounts for approximately half of the total fisheries production of Canada

and plays a large part in making Canada the largest fish-exporting nation in the world. This province has been significantly influenced also by recent developments in the petroleum products and meat packing industries.

Emphasizing the importance of the forests in the industrial life of the province, the sawmilling industry ranked first with a gross value of production of \$347,147,390 in 1951, and the pulp and paper industry second with \$141,503,427. Third in importance was fish processing, based principally on the estuarial salmon fisheries. Other important industries include slaughtering and meat packing, veneers and plywoods, petroleum products, sash, door and planing mills, miscellaneous food preparations n.e.s., fertilizers, fruit and vegetable preparations, butter and cheese, etc. The varied resources of the Pacific Coast have resulted in a wide diversification of its manufactures.

TABLE 14. Statistics of the Leading Industries of the Province of British Columbia, 1951

No.	Industry	Estab- lishments No.	Em- ployees No.	Salaries and wages \$	Cost of materials \$	Net value of products \$	Gross value of products \$
1	Sawmills	1,564	29,462	81,751,249	176,682,690	167,001,838	347,147,390
2	Pulp and paper	11	5,778	21,899,728	44,933,463	90,824,327	141,503,427
3	Fish processing	63	4,168	11,348,419	51,646,344	31,543,333	84,121,542
4	Slaughtering and meat packing	11	1,370	4,263,002	52,814,828	5,982,251	59,081,092
5	Veneers and plywoods	12	3,416	9,832,376	18,130,385	24,806,298	43,202,315
6	Petroleum products	6	579	2,100,645	28,503,586	12,321,512	41,903,272
7	Sash, door and planing mills	166	2,770	7,217,625	27,136,332	13,811,839	41,331,453
8	Miscellaneous food preparations n.e.s.	47	782	1,584,218	30,168,144	6,323,452	36,613,721
9	Fertilizers	6	1,280	4,583,245	9,850,262	20,832,682	30,809,678
10	Fruit and vegetable preparations	71	2,355	4,146,456	15,975,947	8,659,717	24,897,710
11	Butter and cheese	29	1,773	4,636,619	13,960,783	7,011,938	21,566,132
12	Bread and other bakery products	262	2,621	6,154,025	10,360,405	10,201,433	21,168,241
13	Shipbuilding	27	3,484	11,127,087	5,952,140	14,793,689	21,042,863
14	Printing and publishing	86	2,752	7,658,511	4,665,053	14,076,956	18,906,674
15	Machinery, industrial ¹	40	2,138	6,569,451	6,419,233	11,471,074	18,110,416
16	Sheet metal products	28	890	2,672,665	9,426,314	5,247,076	14,800,217
17	Feeds, stock and poultry, prepared	42	652	1,521,571	11,649,778	2,825,752	14,703,208
18	Furniture	189	1,953	4,625,016	6,723,015	7,415,149	14,310,215
19	Breweries	11	688	1,997,318	2,901,872	9,590,778	12,727,902
20	Miscellaneous wood products n.e.s.	43	645	1,848,950	7,253,483	4,523,713	11,938,080
21	Boxes and bags, paper	12	691	1,772,933	7,245,735	4,343,437	11,653,032
22	Miscellaneous paper goods	13	608	1,518,491	7,100,585	3,465,150	10,608,685
Total, leading industries listed above ²		2,739	70,835	200,829,600	549,500,377	477,073,394	1,042,147,265
Total, all industries		3,897	93,647	262,626,283	789,840,417	592,448,565	1,404,880,341

1. Not comparable with years prior to 1949.

2. Other leading industries statistics for which cannot be given because there are fewer than three establishments in each industry are: Non-ferrous metal smelting and refining, Sugar refining, Bridge building and structural steel, and Distilled liquors.

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 of the gross manufacturing pro-

duction contributed by cities and towns having a gross production of over \$1,000,000 each. In the more highly industrialized provinces of Ontario and Quebec such cities and towns in 1951 accounted for 91 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 proportions are 72 p.c. and 57 p.c. respectively. In the Prairie Provinces manufacturing is confined largely to a few urban centres.

TABLE 15. Cities and Towns Each with a Gross Manufacturing Production of Over \$1,000,000, Number of Establishments and Total Production in such Urban Centres as a Percentage of the Grand Total, by Provinces, 1951

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 statistics of towns with less than three establishments and production of over \$1,000,000. It was not possible to publish this information in Table 18 without disclosing the operations of individual establishments.

Province	Urban centres with a gross production of over \$1,000,000 each	Establishments reporting in urban centres producing over \$1,000,000 each	Total production in urban centres producing over \$1,000,000	Total production in each province	Production in urban centres as a percentage of total production in each province
Newfoundland	4	120	63,276,836	100,642,613	62.9
Prince Edward Island	2	54	14,418,757	22,523,439	64.0
Nova Scotia	24	489	211,909,596	303,619,234	69.8
New Brunswick	19	355	239,869,058	307,173,504	78.1
Quebec	155	7,589	4,619,215,022	4,916,157,419	94.0
Ontario	175	9,382	7,325,522,565	8,074,731,217	90.7
Manitoba	11	1,056	498,825,915	551,346,046	90.5
Saskatchewan	9	432	194,606,750	250,813,026	77.6
Alberta	19	926	367,060,099	458,281,384	80.1
British Columbia	31	2,387	798,495,498	1,404,880,341	56.8
Yukon and Northwest Territories	—	—	—	2,018,909	—
Canada	449	22,790	14,333,200,096	16,392,187,132	87.4

TABLE 16. Principal Statistics of the Manufacturing Industries of the Six Leading Manufacturing Cities of Canada, 1939-51

City and Year	Estab- lish- ments	Capital	Employees	Salaries and wages	Cost of materials	Gross value of products ¹
	No.	\$	No.	\$	\$	\$
Montreal:						
1939	2,501	423,234,648	105,315	114,602,118	254,188,246	483,246,583
1942	3,007	629,809,985	169,987	240,888,491	541,625,660	976,767,738
1943	2,992	721,223,427	194,643	307,922,631	665,209,935	1,184,114,458
1944	3,109	2	185,708	308,396,358	650,618,563	1,215,988,014
1945	3,404	2	181,679	304,247,761	600,919,272	1,144,175,108
1946	3,785	2	173,507	291,381,617	602,667,823	1,147,945,303
1947	3,950	2	177,744	325,114,158	682,056,090	1,298,019,266
1948	3,887	2	180,098	368,191,470	841,048,938	1,550,246,090
1949	4,136	2	184,779	399,943,526	847,444,669	1,596,713,694
1950	4,127	2	184,982	419,217,987	914,907,200	1,696,677,033
1951	4,137	2	183,436	449,279,943	1,026,220,450	1,849,153,995
Toronto:						
1939	2,885	447,009,768	98,702	122,553,435	240,532,281	482,532,331
1942	3,211	635,981,329	151,639	228,875,152	451,198,158	886,256,494
1943	3,238	647,907,281	156,459	259,307,913	481,504,056	961,923,997
1944	3,344	2	154,538	280,776,613	513,429,109	1,020,345,353
1945	3,482	2	146,335	244,055,112	496,204,721	961,736,716
1946	3,632	2	145,556	247,298,288	549,256,912	1,036,939,790
1947	3,705	2	151,137	289,363,797	648,648,084	1,231,936,820
1948	3,683	2	154,197	335,142,822	804,970,396	1,475,761,819
1949	4,005	2	158,562	368,510,524	837,148,440	1,579,186,450
1950	4,011	2	160,063	392,754,292	918,699,592	1,686,922,991
1951	3,796	2	151,333	415,206,705	991,268,163	1,763,192,114
Hamilton:						
1939	461	206,584,330	31,512	39,563,423	70,829,034	152,746,340
1942	482	273,212,977	50,744	85,111,817	166,078,144	347,752,196
1943	485	315,896,136	54,671	95,576,332	164,271,139	362,743,019
1944	480	2	53,500	94,982,915	171,117,467	363,033,672
1945	482	2	50,520	89,639,262	166,349,884	351,676,308
1946	501	2	45,951	80,959,432	150,977,835	308,033,098
1947	512	2	50,567	101,424,109	205,430,175	411,817,530
1948	526	2	53,370	124,016,143	259,800,537	519,132,345
1949	546	2	54,665	137,641,333	285,180,403	563,982,920
1950	549	2	54,823	145,093,180	310,380,224	625,480,893
1951	560	2	58,841	174,296,725	391,412,980	755,546,928
Windsor:						
1939	222	80,436,233	17,729	25,938,890	63,907,106	122,474,320
1942	233	206,556,146	37,057	76,276,589	240,384,518	383,323,348
1943	229	206,850,571	38,516	85,965,874	247,504,385	417,745,229
1944	231	2	35,912	80,667,573	232,102,240	387,603,874
1945	241	2	28,826	63,515,050	167,675,110	280,743,622
1946	256	2	30,889	60,315,436	138,788,813	244,925,148
1947	273	2	32,154	74,748,834	204,383,024	367,122,739
1948	271	2	32,729	85,354,165	231,706,777	413,749,890
1949	283	2	34,591	94,304,627	271,392,923	494,162,203
1950	280	2	34,901	105,778,494	311,563,422	564,870,512
1951	297	2	34,865	112,076,215	351,697,300	626,292,546
Winnipeg:						
1939	648	73,255,368	17,571	20,717,273	44,873,043	81,024,272
1942	692	113,297,399	27,768	38,191,886	88,897,218	156,332,353
1943	688	100,511,565	24,898	35,807,283	106,485,838	174,523,234
1944	686	2	25,870	38,824,299	119,917,745	198,169,626
1945	716	2	26,206	40,115,513	117,453,819	197,523,922
1946	756	2	26,730	42,354,650	121,531,306	206,381,007
1947	779	2	27,651	47,728,392	130,721,062	228,028,346
1948	765	2	27,906	54,379,965	157,379,778	264,022,796
1949	860	2	28,687	58,604,162	143,827,270	255,006,806
1950	855	2	27,804	58,991,267	142,486,939	261,781,262
1951	849	2	27,704	65,741,785	167,583,852	292,496,767
Vancouver:						
1939	829	92,797,032	17,957	22,382,192	56,565,511	101,267,243
1942	897	136,336,017	37,858	60,779,827	116,153,100	223,295,187
1943	898	193,795,910	45,971	81,059,615	130,442,455	288,196,900
1944	933	2	43,473	79,141,407	142,416,371	289,390,718
1945	992	2	37,599	66,144,015	137,118,244	265,034,773
1946	1,071	2	31,408	55,980,984	138,045,068	270,165,166
1947	1,127	2	33,119	65,363,332	174,822,180	313,964,785
1948	1,136	2	33,815	75,300,519	211,726,521	360,749,092
1949	1,225	2	33,536	78,793,345	204,642,985	358,620,526
1950	1,219	2	34,411	85,542,771	234,053,078	409,347,342
1951	1,255	2	34,376	96,222,111	270,748,863	461,594,390

1. Net value is derived from gross value by deducting cost of materials, fuel, and electricity. For cost of fuel and electricity in 1951 see Table 18.
 2. Information not collected.

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, 1931

	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost of materials	Gross value of products
	No.	No.	\$	\$	\$	\$
Montreal Metropolitan Area¹						
Under 5 employees	1,103	2,652	4,754,486	229,137	13,867,766	25,253,489
5 to 14 employees	1,396	11,950	24,610,262	898,721	55,915,456	106,484,529
15 " 49 "	1,282	34,664	72,383,101	2,636,865	177,567,708	320,849,103
50 " 99 "	406	27,620	59,702,438	2,491,470	146,969,897	266,773,299
100 " 199 "	199	27,650	63,051,482	2,438,286	189,609,760	324,090,977
200 " 499 "	112	35,185	90,781,440	14,404,869	290,322,312	541,290,289
500 and over	67	84,612	241,259,255	17,901,959	593,535,814	1,030,076,854
Not classifiable	121	—	—	—	1,269,882	1,595,618
Head Offices ²	—	6,270	25,893,582	—	—	—
Totals	4,686	230,603	582,436,046	41,001,307	1,469,058,595	2,616,414,158
Toronto Metropolitan Area						
Under 5 employees	1,123	2,676	4,847,677	297,866	9,392,309	18,912,476
5 to 14 employees	1,386	12,016	26,912,189	1,131,465	61,830,039	110,935,422
15 " 49 "	1,137	30,302	73,645,897	2,775,833	161,282,343	306,361,718
50 " 99 "	333	23,145	59,536,586	2,896,535	170,348,882	292,154,128
100 " 199 "	185	25,668	67,640,212	3,437,207	151,618,764	293,177,984
200 " 499 "	118	35,338	99,708,809	5,151,232	247,879,710	461,584,166
500 and over	57	61,569	192,039,452	8,649,069	472,065,183	845,787,183
Not classifiable	127	—	—	—	1,147,679	1,442,640
Head Offices ²	—	4,429	19,266,288	—	—	—
Totals	4,466	195,143	543,597,110	24,339,207	1,275,564,909	2,330,355,717
Hamilton Metropolitan Area						
Under 5 employees	184	426	759,075	80,283	1,667,981	3,066,413
5 to 14 employees	177	1,431	3,155,339	312,886	5,941,524	12,148,622
15 " 49 "	132	3,762	9,430,005	629,533	21,954,543	42,124,305
50 " 99 "	45	3,156	8,253,765	602,721	20,387,174	39,086,821
100 " 199 "	37	4,920	12,619,496	786,683	44,611,333	77,134,882
200 " 499 "	42	13,008	34,876,331	3,305,497	88,175,136	159,652,545
500 and over	23	35,128	111,881,063	15,205,027	222,406,132	448,724,884
Not classifiable	10	—	—	—	54,717	83,160
Head Offices ²	—	253	785,542	—	—	—
Totals	650	62,084	181,760,616	20,922,630	405,198,540	782,021,632
Windsor Metropolitan Area						
Under 5 employees	85	175	275,000	20,557	468,018	1,293,032
5 to 14 employees	91	793	1,771,321	130,639	3,523,033	7,275,140
15 " 49 "	68	1,781	4,737,588	320,061	8,443,883	18,384,327
50 " 99 "	28	2,003	5,631,671	325,202	13,357,631	24,633,552
100 " 199 "	18	2,492	7,626,273	660,574	14,017,255	33,970,835
200 " 499 "	21	6,230	19,869,340	1,834,955	37,452,991	86,367,461
500 and over	9	22,137	73,906,042	2,309,295	279,655,615	463,701,607
Not classifiable	4	—	—	—	13,629	13,710
Totals	324	35,611	113,817,235	5,601,283	356,932,055	635,639,664
Winnipeg Metropolitan Area						
Under 5 employees	280	679	1,108,551	85,311	2,340,995	4,298,077
5 to 14 employees	262	2,265	4,522,669	297,791	16,698,363	25,544,416
15 " 49 "	223	6,057	13,145,754	678,275	38,669,931	64,710,389
50 " 99 "	88	6,231	14,331,998	1,084,398	47,380,171	78,330,626
100 " 199 "	49	6,767	16,456,571	2,749,562	67,548,547	107,927,772
200 " 499 "	19	5,527	14,030,772	693,170	28,374,401	59,408,657
500 and over	7	8,872	24,952,893	1,015,674	96,435,294	131,224,083
Not classifiable	64	—	—	—	270,970	384,695
Head Offices ²	—	180	688,390	—	—	—
Totals	992	36,578	89,237,598	6,604,181	297,718,672	471,828,715
Vancouver Metropolitan Area						
Under 5 employees	486	1,200	2,074,353	147,880	3,724,183	7,603,959
5 to 14 employees	464	3,876	8,845,614	449,159	17,249,143	32,974,663
15 " 49 "	351	9,174	24,623,736	1,363,790	67,586,405	115,013,159
50 " 99 "	104	7,138	20,766,406	1,397,739	65,215,735	108,714,123
100 " 199 "	69	9,736	26,743,611	1,497,557	83,146,044	140,828,624
200 " 499 "	35	10,348	31,690,546	2,611,256	129,237,545	203,532,319
500 and over	11	8,758	26,489,262	983,089	55,940,818	118,499,655
Not classifiable	65	—	—	—	213,680	326,744
Head Offices ²	—	579	2,473,334	—	—	—
Totals	1,585	50,809	143,706,862	8,450,470	422,313,553	727,493,246

1. Totals for Greater Montreal do not include the non-ferrous smelting and refining industry.

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

TABLE 18. Statistics of Manufactures of Municipality, each with a Gross Production of \$1,000,000 or Over, and with Three or More Establishments, 1951

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 production.

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost of materials	Gross value of products
	No.	No.	\$	\$	\$	\$
Newfoundland:						
Corner Brook (East & West).....	11	2,107	8,074,803	1,470,793	14,324,729	36,861,897
Harbour Grace	7	277	431,274	26,046	927,928	1,829,925
St. John's	104	2,898	5,161,692	424,076	10,970,470	23,075,039
Prince Edward Island:						
Charlottetown	36	604	1,211,433	135,272	7,945,178	10,621,343
Summerside	18	292	412,730	44,656	3,024,011	3,797,414
Nova Scotia:						
Amherst	26	1,051	1,984,216	240,549	6,032,981	10,682,984
Berwick	9	97	176,573	24,808	994,336	1,401,004
Bridgetown	6	182	330,375	27,769	888,045	1,811,368
Bridgewater	17	184	341,730	36,833	642,210	1,346,920
Clark's Harbour	14	97	115,079	9,752	1,232,305	1,647,904
Dartmouth	16	253	511,560	72,166	1,139,469	2,436,595
Digby	11	219	337,336	24,567	1,121,281	1,969,111
Glace Bay	15	269	357,337	43,312	1,438,993	2,122,689
Halifax	146	5,589	12,515,605	835,576	23,174,054	47,050,752
Hantsport	5	344	697,443	60,133	1,647,320	4,319,517
Lockeport	4	264	384,428	37,752	1,180,848	1,875,752
Lunenburg	15	642	1,303,245	83,493	3,195,537	5,269,539
Middleton	10	183	253,872	29,583	968,982	1,536,683
New Glasgow	30	1,060	2,477,001	337,865	3,548,474	7,654,749
North Sydney	14	312	602,034	47,750	1,368,608	2,602,139
Pictou	9	313	585,565	33,485	1,192,181	2,126,950
Shelburne	16	212	358,966	21,512	795,828	1,552,527
Sydney	39	6,090	16,606,996	5,385,358	30,688,363	63,683,126
Truro	37	1,154	1,918,982	192,667	5,639,276	8,645,353
Windsor	13	274	476,749	51,258	1,901,023	2,562,189
Yarmouth	26	967	1,841,087	182,353	6,412,506	10,573,982
New Brunswick:						
Campbellton	15	302	557,679	58,546	1,075,381	2,138,823
Fredericton	47	847	1,585,432	128,442	4,009,013	6,748,631
Grand Falls	14	142	238,580	28,179	505,651	1,005,933
Lancaster	6	696	2,083,179	689,294	5,623,862	14,221,502
Moncton	48	3,427	8,462,730	561,748	24,895,476	37,595,067
Newcastle	11	490	1,350,849	304,132	4,384,185	9,657,497
St. Andrews	8	114	179,615	20,834	1,805,084	2,379,297
Saint John	113	3,534	7,763,990	1,121,035	51,395,536	69,207,700
St. Stephen	14	478	816,642	56,283	1,616,078	2,972,945
Shippegan	5	220	211,608	12,892	720,268	1,006,700
Sussex	13	223	388,182	49,562	1,803,169	2,857,539
Woodstock	15	135	225,901	32,483	877,130	1,368,616
Quebec:						
Asbestos	16	510	1,495,271	196,517	3,474,012	5,579,577
Aston Junction	3	30	57,481	6,467	1,157,587	1,249,031
Beauharnois	15	2,108	6,453,518	3,253,514	13,509,991	29,042,436
Beauport	13	171	311,023	20,124	571,034	1,131,590
Bedford	13	918	1,834,379	48,354	785,170	4,488,714
Beebe Plain	9	247	373,775	10,134	1,149,530	1,813,674
Berthierville	17	695	1,265,410	160,762	3,073,610	6,099,431
Cabano	9	222	497,813	4,674	906,186	1,795,602
Cap-de-la-Madeleine	34	2,443	5,638,114	1,270,091	20,922,314	40,005,116
Chambly-Bassin	9	135	205,166	9,028	661,987	1,134,040
Chambly-Canton	6	351	764,137	16,424	1,256,173	2,409,587
Chicoutimi	35	517	947,898	79,286	2,490,160	4,156,201
Coaticook	21	1,115	2,061,612	104,832	5,166,221	8,529,248
Contrecoeur	10	299	408,325	10,504	809,327	1,439,901
Crabtree	4	243	761,805	188,571	3,184,280	5,197,129
Danville	11	170	330,422	82,930	972,285	1,406,229
Delson	5	505	1,429,697	667,057	1,956,700	5,493,981
Drummondville	50	8,586	20,366,163	1,708,397	30,822,367	74,931,271
Farnham	23	1,136	2,312,010	175,324	6,496,983	11,609,791
Giffard	13	181	293,503	23,109	991,478	1,552,246
Granby	76	5,236	11,349,114	653,340	28,393,393	51,725,279
Grand'mère	24	2,362	5,814,799	1,487,431	13,137,872	29,661,355
Grenville	4	122	247,654	25,537	970,444	1,399,115
Hull	62	3,983	9,978,019	1,951,139	31,436,649	53,055,315
Huntingdon	15	689	1,937,328	134,731	10,881,834	14,351,851
Iberville	25	394	758,269	40,367	1,276,515	2,948,349
Joliette	58	2,128	4,431,163	522,361	9,072,074	19,245,480
Lachine	61	7,987	24,684,397	1,145,333	35,982,904	84,498,209
Lachute	14	274	660,741	149,054	2,115,331	3,241,235
La Pêrade (Ste. Ann de)	14	294	465,422	93,405	2,061,418	2,996,750
La Prairie	18	399	826,836	199,014	803,849	2,453,009
Lasalle	40	4,250	11,213,440	3,036,469	49,126,053	93,028,413
La Sarre	14	153	256,517	18,247	558,500	1,058,057
L'Assomption	15	476	960,699	77,593	3,595,164	5,115,857

TABLE 18. Statistics of Manufactures of Municipality, each with a Gross Production of \$1,000,000 or Over, and with Three or More Establishments, 1951 - Continued

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost of materials	Gross value of products
	No.	No.	\$	\$	\$	\$
Quebec - Concluded:						
Lennoxville	13	390	1,015,516	167,754	2,101,920	4,202,988
L'Epiphanie	17	278	526,369	28,687	935,401	1,884,455
Lévis	40	648	1,033,272	80,362	2,885,610	5,041,994
Longueuil	35	2,326	5,340,328	301,792	11,067,904	23,180,077
Loretteville	27	572	703,278	22,487	1,609,820	2,802,426
Maniwaki	12	120	239,056	23,310	694,346	1,211,257
Mariville	21	549	918,965	51,955	3,111,265	5,122,939
Maskinongé	8	84	109,861	10,449	833,832	1,064,965
Matane	21	313	676,058	28,310	1,205,844	2,597,817
Mégantic	20	553	976,268	95,527	2,029,150	4,134,234
Mont Joli	18	109	196,174	39,656	462,893	1,003,767
Mont Laurier	17	302	545,351	35,332	1,375,458	2,438,097
Montmagny	44	1,507	2,807,830	174,249	6,255,563	11,009,096
Montreal	4,137	183,436	449,279,943	17,840,862	1,026,220,450	1,849,153,995
Montreal East	31	5,410	17,041,529	14,754,164	315,319,678	414,261,809
Mont Royal	20	2,204	6,621,367	219,636	14,459,423	26,938,732
Napierville	14	216	316,476	21,584	1,136,203	1,761,930
Nicolet	16	344	593,655	64,332	2,069,051	3,268,971
Notre Dame de Portneuf	12	443	959,331	307,688	3,740,020	6,006,127
Outremont	48	2,135	5,019,855	127,877	9,309,399	19,053,867
Plessisville	19	1,002	2,131,721	83,745	3,277,823	6,387,857
Pointe-aux-Trembles	11	404	980,503	62,796	1,390,553	3,087,425
Princeville	15	439	799,934	78,845	3,113,577	6,022,394
Quebec	428	15,535	32,530,866	4,296,864	82,334,229	153,311,944
Richelieu	6	122	237,113	8,185	566,192	1,094,704
Richmond	14	469	1,001,368	34,232	1,434,950	3,933,849
Rimouski	31	337	762,989	40,425	1,189,698	2,846,282
Rivière du Loup	26	482	1,001,989	86,107	1,325,015	2,773,184
Roberval	9	223	406,778	36,624	1,485,162	2,241,089
Rock Island	15	670	1,628,885	64,652	1,479,520	5,454,607
Rouyn	20	211	411,745	54,212	909,431	1,658,006
St. Agathe-des-Monts	18	127	238,200	19,675	627,152	1,009,946
St. Casimir	16	122	166,683	16,559	756,590	1,090,999
St. Césaire	25	308	493,811	32,201	1,495,415	2,327,404
St. Eustache	12	104	161,057	17,586	726,257	1,088,269
St. Félix	18	291	590,264	50,465	3,125,823	4,856,870
St. Félix-de-Valois	16	68	79,649	10,960	890,741	1,170,503
St. Gabriel-de-Brandon	23	431	521,707	18,748	810,841	1,581,397
St. Georges-de-Beauce	13	366	721,833	60,620	1,067,489	2,248,177
St. Georges W.	9	352	508,316	38,669	1,137,622	2,130,806
St. Hyacinthe	80	5,096	10,248,437	582,023	28,880,750	47,223,035
St. Jacques	10	154	219,642	11,662	1,211,616	1,535,315
St. Jean (St. John's)	67	5,680	13,015,537	1,037,583	19,884,088	43,688,478
St. Jérôme (Terrebonne)	58	3,755	7,923,106	548,939	16,319,517	30,334,694
St. Joseph (Beauce)	11	223	328,422	18,133	520,958	1,155,154
St. Lambert	20	808	1,734,140	107,193	4,216,547	7,724,355
St. Laurent	48	11,315	33,547,522	1,243,383	37,951,440	85,530,142
St. Leonard-d'Aston	10	173	210,593	25,376	970,697	1,213,581
St. Marie	20	738	1,244,994	103,619	3,185,104	6,106,190
St. Michel (de Laval)	39	508	1,067,200	62,163	1,559,976	3,438,306
St. Pie	15	196	297,368	29,438	1,707,887	2,304,220
St. Raymond	17	148	221,621	12,404	644,528	1,191,567
St. Rémi	14	304	502,389	45,159	3,241,386	4,861,349
St. Rose	10	230	399,910	20,267	703,029	1,386,873
St. Thérèse de Blainville	32	759	1,388,675	64,900	2,119,267	4,419,346
St. Tite	26	384	649,387	22,087	1,878,974	2,928,966
Shawinigan Falls	47	5,712	17,338,314	9,115,659	47,009,334	110,246,673
Shawville	10	95	154,641	23,989	1,040,011	1,361,341
Sherbrooke	102	8,813	19,552,824	1,312,678	48,419,154	86,594,071
Sorel	35	1,970	4,473,185	696,187	2,813,206	7,896,000
Sutton	12	240	347,840	22,300	865,153	1,452,054
Terrebonne	19	635	1,360,348	57,516	2,259,108	4,653,090
Thetford Mines	33	482	884,665	85,245	977,580	2,541,841
Thurso	10	451	745,452	22,496	2,004,646	3,321,338
Trois-Pistoles	17	233	434,189	16,840	2,837,533	4,001,573
Three Rivers	90	7,705	21,697,369	6,719,564	50,030,400	106,059,161
Val d'Or	23	220	407,217	35,220	735,280	1,482,041
Valleyfield	39	4,656	9,714,919	779,524	20,392,032	43,653,626
Verdun	68	1,398	2,803,125	83,599	6,282,562	11,527,395
Victoriaville	54	2,582	4,953,989	176,601	9,639,566	18,383,113
Warwick	15	410	741,867	69,007	3,141,267	4,620,570
Waterloo	18	825	1,772,801	85,394	2,478,337	5,375,753
Westmount	27	2,044	5,572,374	287,605	6,535,471	16,720,644
Ontario:						
Acton	21	1,012	2,269,003	233,815	6,531,703	9,422,669
Alexandria	15	225	340,773	23,450	878,966	1,454,843
Almonte	13	307	682,589	115,104	3,731,838	5,124,962
Amherstburg	13	1,026	2,930,221	1,807,006	4,716,056	16,787,162
Arnprior	21	709	1,682,908	112,769	3,742,620	7,348,349
Aurora	15	617	1,354,095	76,321	4,792,208	7,139,153
Ayr	8	108	183,004	22,166	1,543,514	2,118,993
Barrie	26	894	2,027,374	173,139	9,533,849	14,958,826
Beamsville	12	146	243,548	13,610	653,324	1,118,863
Belleville	63	3,104	8,263,479	1,599,386	13,523,032	34,375,056
Bloomfield	9	136	221,480	22,510	1,047,853	1,800,696
Blyth	5	37	71,283	17,131	1,307,778	1,428,574

TABLE 18. Statistics of Manufactures of Municipality, each with a Gross Production of \$1,000,000 or Over, and with Three or More Establishments, 1951 - Continued

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost of materials	Gross value of products
	No.	No.	\$	\$	\$	\$
Ontario - Continued:						
Brampton	31	1,114	2,625,832	161,950	5,276,267	10,660,999
Brantford	157	13,629	37,794,382	1,816,485	71,064,370	141,506,003
Brockville	42	1,922	4,658,331	329,333	11,687,974	20,179,491
Burlington	16	754	1,907,098	116,094	6,034,631	9,831,786
Caledonia	11	314	836,111	293,034	2,679,035	5,152,571
Campbellford	21	350	804,643	65,711	2,400,433	4,283,671
Carleton Place	11	723	1,557,994	107,035	2,594,401	4,942,369
Chatham	76	4,215	11,800,759	1,134,461	68,329,308	94,167,137
Chesley	14	395	762,760	34,573	1,305,722	2,296,081
Clinton	10	155	289,305	26,512	523,618	1,008,722
Cobourg	29	1,042	2,425,757	218,302	4,718,256	10,042,731
Collingwood	20	1,138	2,814,897	120,060	5,164,508	9,051,206
Cornwall	50	6,961	18,698,577	3,519,064	31,807,861	78,072,116
Deseronto	5	287	466,636	31,056	920,506	1,754,961
Dresden	12	173	311,641	58,492	1,438,062	2,723,500
Dundas	34	1,762	4,142,191	243,066	4,002,164	10,011,583
Dunnville	20	1,089	2,173,163	106,007	6,023,009	8,846,634
Durham	13	222	496,210	34,401	647,719	1,433,709
Eastview	22	458	1,086,431	93,379	7,017,753	9,385,048
Eganville	13	101	205,009	36,694	770,048	1,193,115
Elmira	21	794	2,076,344	185,386	4,759,350	9,145,547
Elora	7	339	723,452	35,706	827,358	1,989,620
Essex	15	283	639,885	74,638	1,656,828	3,300,902
Exeter	8	123	235,073	33,551	922,016	1,598,842
Forest	12	221	383,065	48,104	1,072,304	1,848,791
Fort Erie	28	952	2,486,928	66,710	4,794,808	11,217,558
Fort William	71	3,486	10,738,162	2,409,247	24,319,679	57,158,259
Galt	32	6,467	16,531,157	777,798	27,369,130	55,671,274
Gananoque	20	889	2,181,894	186,252	4,275,931	8,316,993
Georgetown	18	1,128	3,376,602	195,805	6,923,388	12,004,148
Goderich	16	419	917,129	215,486	3,357,229	5,710,183
Gravenhurst	9	275	614,923	25,100	1,023,742	2,309,973
Grimsby	14	471	961,276	63,736	1,753,828	4,211,562
Guelph	110	6,160	15,709,981	966,520	31,224,403	59,815,567
Hamilton	560	58,841	174,296,725	20,370,777	391,412,980	755,546,928
Hanover	24	1,047	2,226,276	101,154	3,746,040	6,989,235
Harriston	15	195	334,702	48,585	1,497,676	2,107,864
Harrow	10	131	267,337	38,873	1,252,340	2,054,264
Hespeler	19	1,965	4,422,703	425,604	6,279,044	12,471,761
Huntsville	16	443	948,826	69,330	4,365,929	6,245,820
Ingersoll	27	1,342	3,425,098	241,735	12,376,258	19,993,156
Kemptville	10	83	155,329	47,776	1,240,370	1,761,557
Kincardine	14	447	824,653	53,011	1,469,061	2,658,890
Kingston	70	3,515	8,358,549	669,582	20,052,949	41,350,932
Kitchener	199	15,299	38,815,715	1,855,670	106,882,409	192,548,102
Leamington	16	1,151	2,953,713	319,702	12,648,612	26,635,680
Leaside	62	10,711	32,424,568	1,321,810	66,080,619	132,147,514
Lindsay	38	1,497	3,201,129	286,836	5,259,501	11,222,564
Listowel	12	411	801,985	70,897	2,587,467	3,845,079
London	273	15,417	40,515,061	2,193,653	79,059,030	167,500,784
Long Branch	34	1,655	4,721,256	191,547	7,639,173	18,089,442
Lucknow	9	56	111,236	14,781	1,056,306	1,407,139
Meaford	18	388	743,818	55,208	1,430,838	2,753,199
Merriton	17	2,058	7,074,806	1,011,264	15,378,199	29,552,654
Midland	21	1,140	2,437,997	98,284	9,588,281	13,759,448
Milton	14	654	1,793,207	363,725	2,851,453	6,927,799
Milverton	11	269	538,283	27,202	800,204	1,710,660
Mimico	34	728	1,880,639	139,128	2,432,248	6,164,642
Mitchell	11	148	251,995	50,228	1,192,763	1,841,031
Morrisburg	8	210	309,932	11,314	687,816	1,317,462
Mount Forest	14	269	393,150	37,974	954,675	1,705,265
Napanee	14	410	908,442	101,900	2,405,238	4,131,508
New Hamburg	12	335	652,135	36,462	1,045,818	2,351,393
New Liskeard	15	619	1,193,667	48,402	2,530,479	4,862,933
Newmarket	18	958	2,448,439	133,771	5,416,327	9,571,176
New Toronto	46	7,214	23,122,818	1,857,295	91,080,195	158,329,039
Niagara Falls	78	6,830	20,616,294	5,836,398	39,714,585	93,698,367
North Bay	33	671	1,611,680	129,095	2,449,728	5,320,001
Norwich	8	104	184,154	34,807	928,558	1,423,047
Oakville	48	1,455	3,751,301	260,050	6,668,853	14,747,707
Orangeville	15	192	331,406	31,361	1,111,189	1,574,904
Orillia	51	2,200	5,088,750	331,667	7,390,790	15,035,614
Ottawa	292	10,342	25,581,886	1,954,726	42,787,066	95,358,914
Owen Sound	52	2,737	6,437,240	309,993	8,010,216	18,405,577
Palmerston	10	59	101,965	15,453	856,042	1,052,299
Paris	26	1,506	3,505,063	137,553	6,862,153	13,339,812
Pembroke	35	1,256	2,640,670	134,595	4,346,820	9,729,314
Penetanguishene	11	452	921,310	49,373	1,481,453	2,935,274
Perth	27	922	1,732,153	98,041	4,445,751	8,528,770
Peterborough	103	10,010	28,853,445	1,252,959	77,955,438	124,655,905
Petrolia	13	411	1,045,365	510,423	7,151,067	9,045,890
Picton	15	218	313,073	24,814	771,814	1,396,402
Port Arthur	55	2,559	7,965,591	1,697,581	16,970,186	39,305,452
Port Dover	8	116	183,597	19,097	783,481	1,416,158
Port Elgin	9	237	395,171	20,441	626,490	1,185,358
Port Hope	27	1,094	3,293,166	338,143	4,705,614	10,658,514
Prescott	18	711	1,237,802	47,328	2,030,944	4,105,477
Preston	37	2,855	6,877,853	268,353	10,566,246	21,710,851
Renfrew	28	887	1,795,893	154,714	4,196,647	7,324,359

TABLE 18. Statistics of Manufactures of Municipality, each with a Gross Production of \$1,000,000 or Over, and with Three or More Establishments, 1951 - Continued

Municipality	Estab- lish- ments	Employeee No.	Salaries and wages \$	Cost of fuel and electricity \$	Cost of materials \$	Gross value of products \$
Ontario - Concluded:						
Rittgetown.....	13	270	626,067	28,440	834,374	2,066,466
Riverside.....	4	71	187,242	11,484	622,168	1,002,750
St. Catharines.....	110	11,697	35,717,017	1,679,247	64,119,327	131,178,237
St. Mary's.....	12	558	1,501,755	1,020,733	5,001,499	10,137,497
St. Thomas.....	45	2,494	5,803,065	314,299	10,870,798	22,121,001
Samia.....	52	8,001	25,981,735	12,381,523	107,491,357	194,290,568
Sault Ste. Marie.....	53	8,088	25,545,411	10,136,230	68,484,406	133,911,798
Seaford.....	13	261	456,258	29,343	1,544,224	2,309,572
Simcoe.....	31	1,402	3,340,583	224,101	20,209,000	28,873,235
Smith's Falls.....	22	829	2,020,911	140,326	3,491,079	6,883,992
Southampton.....	9	323	729,308	24,533	1,213,925	2,217,819
Stratford.....	66	3,690	8,868,857	435,277	15,423,515	29,382,849
Strathroy.....	19	485	969,325	57,281	2,595,764	4,253,933
Streetsville.....	14	348	823,535	146,725	3,934,256	5,739,710
Sudbury.....	52	1,064	2,559,768	233,816	6,280,757	11,684,423
Swansea.....	13	827	2,486,430	257,652	5,264,770	11,462,908
Tavistock.....	9	176	321,471	26,077	2,435,306	3,018,875
Tecumseh.....	6	279	471,381	42,497	1,033,371	2,389,336
Thorold.....	24	2,330	9,042,620	3,132,261	20,419,354	43,212,078
Tillsonburg.....	27	890	1,903,427	221,817	8,789,487	11,964,719
Timmins.....	23	510	1,135,197	71,731	2,234,247	4,250,412
Toronto.....	3,796	151,333	415,206,705	17,599,992	991,268,163	1,763,192,114
Trenton.....	30	1,432	3,292,884	433,159	8,125,088	15,067,513
Twedg.....	10	185	333,988	23,529	1,032,621	1,699,663
Uxbridge.....	12	71	143,105	21,804	1,095,707	1,400,784
Walkerton.....	16	493	1,031,076	43,435	1,375,708	2,995,565
Wallaceburg.....	25	2,770	7,636,578	1,209,292	13,874,789	30,221,046
Waterloo.....	55	2,702	6,853,941	394,832	12,736,181	34,368,408
Watford.....	8	130	269,083	26,155	638,346	1,063,989
Welland.....	57	8,878	29,600,073	5,708,473	66,963,015	142,357,821
Wellington.....	6	154	280,597	67,857	1,304,777	2,007,227
West Lorne.....	8	237	477,071	29,675	1,259,843	2,355,694
Weston.....	51	2,789	7,454,493	486,450	15,353,247	29,129,119
Whitby.....	13	389	771,812	51,258	1,422,473	2,937,973
Winchester.....	7	66	123,063	40,493	1,323,078	1,690,743
Windsor.....	297	34,865	112,076,215	5,436,889	351,697,300	626,292,546
Wingham.....	16	386	763,425	55,959	1,694,886	2,830,002
Woodstock.....	64	3,842	9,381,940	468,744	27,936,571	48,347,755
Manitoba:						
Brandon.....	38	746	1,757,112	192,372	10,275,712	15,463,055
Dauphin.....	14	108	182,170	22,446	824,497	1,206,151
Neepawa.....	8	125	247,896	71,781	683,263	1,211,126
Portage la Prairie.....	18	249	392,354	35,765	1,071,934	1,857,478
St. Boniface.....	90	4,168	11,555,289	1,010,336	108,630,649	135,391,546
Selkirk.....	10	985	2,625,168	463,242	3,016,278	8,901,414
The Pas.....	9	158	377,353	10,320	361,495	1,815,087
Transcona.....	5	2,539	6,988,652	365,388	13,018,994	22,363,958
Winnipeg.....	849	27,704	65,741,785	3,759,880	167,583,852	292,496,767
Saskatchewan:						
Kamsack.....	11	64	110,014	8,828	704,605	1,058,842
Melville.....	8	60	116,751	23,811	1,182,929	1,411,733
Moose Jaw.....	45	1,312	3,510,432	675,784	32,959,182	41,737,517
North Battleford.....	13	213	335,293	39,297	1,237,801	1,939,611
Prince Albert.....	29	980	2,366,049	184,670	12,459,220	17,950,088
Regina.....	137	2,968	7,878,630	1,332,864	42,105,739	61,895,799
Saskatoon.....	112	2,710	6,626,626	763,370	46,224,336	63,296,870
Swift Current.....	11	119	514,041	82,321	1,891,786	2,982,132
Yorkton.....	16	159	333,324	63,449	1,525,893	2,334,158
Alberta:						
Athabasca.....	28	149	200,484	22,067	799,658	1,189,271
Barrhead.....	13	97	161,825	17,622	1,085,997	1,336,118
Calgary.....	309	8,658	22,905,049	1,929,664	108,014,389	152,276,862
Camrose.....	11	64	129,570	10,956	790,750	1,065,382
Edmonton.....	319	9,422	24,252,814	1,256,372	98,578,420	142,609,969
Grande Prairie.....	38	264	381,187	30,711	758,604	1,416,591
Lethbridge.....	23	279	556,910	64,017	1,990,927	3,377,595
Medicine Hat.....	46	969	2,239,796	161,897	6,474,143	12,567,187
Picture Butte.....	36	1,066	2,320,993	142,840	16,801,931	21,689,296
Red Deer.....	3	139	317,477	50,793	1,985,907	2,960,689
Rocky Mountain House.....	18	141	305,448	38,391	1,995,010	3,160,194
Wetaskiwin.....	41	176	265,789	27,831	1,371,627	2,005,768
	11	73	150,105	13,353	965,292	1,216,379
British Columbia:						
Abbotsford.....	14	189	448,935	177,451	4,978,037	6,346,772
Burns Lake.....	21	289	689,121	47,913	2,224,555	3,756,764
Chilliwack.....	27	233	431,874	59,306	1,176,751	2,053,180
Cranbrook.....	26	400	1,036,097	97,684	2,105,952	4,155,277
Dawson Creek.....	19	172	330,532	32,368	1,448,843	2,125,216

TABLE 18. Statistics of Manufactures of Municipality, each with a Gross Production of \$1,000,000 or Over, and with Three or More Establishments, 1951 - Concluded

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost of materials	Gross value of products
	No.	No.	\$	\$	\$	\$
British Columbia - Concluded:						
Duncan	24	214	412,814	32,586	810,086	1,700,286
Fernie	11	137	299,423	30,104	719,403	1,606,914
Kamloops	34	532	1,218,773	93,570	1,829,497	4,070,243
Kelowna	35	803	1,763,721	88,908	3,154,611	6,804,221
Merritt	8	169	454,262	19,363	805,625	1,632,009
Mission City	22	432	903,961	73,720	2,778,599	4,313,114
Nanaimo	31	567	1,523,558	105,534	3,347,376	6,018,399
Nelson	36	546	1,220,927	95,155	2,525,961	5,239,596
 New Westminster	112	6,893	19,342,236	1,099,430	62,834,204	111,953,965
North Vancouver	55	2,326	7,350,810	322,627	11,371,750	22,907,846
Oliver	8	164	381,690	23,907	655,441	1,512,571
Penticton	28	348	676,321	37,471	1,308,265	2,717,228
Port Alberni	24	1,992	6,551,550	272,467	16,393,831	39,388,649
Port Moody	7	662	1,891,245	14,526	5,435,638	9,048,183
Prince George	150	1,746	4,057,829	357,241	11,484,528	20,411,592
Prince Rupert	25	630	1,850,690	109,814	4,760,547	8,104,135
 Quesnel	68	685	1,504,263	126,068	2,596,925	5,660,301
Revelstoke	19	158	297,853	37,349	748,292	1,478,916
Smithers	16	101	204,618	16,491	1,037,831	1,429,339
Vancouver	1,255	34,376	96,222,111	5,180,626	270,748,863	461,594,390
Vanderhoof	22	108	213,835	24,527	734,274	1,181,042
Vernon	44	419	890,918	81,748	1,947,997	3,872,766
Victoria	216	4,555	12,179,944	755,082	22,956,939	46,438,513
Williams Lake	15	102	203,796	16,082	761,417	1,412,767

TABLE 19. Principal Statistics of the Manufacturing Industries of Canada, by Counties and Census Divisions, 1951

County and Census Division	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost of materials	Gross value of products
	No.	No.	\$	\$	\$	\$
Newfoundland:						
Division no. 1	201	3,502	5,980,796	495,429	12,900,118	26,778,695
Division no. 2	27	552	729,908	85,848	1,466,118	2,740,860
Division no. 3	31	531	624,087	61,238	1,119,548	2,314,615
Division no. 4	40	60	40,212	5,480	293,953	384,864
Division no. 5	51	2,362	8,283,755	1,493,805	14,809,166	37,751,598
Division no. 6	59	1,502	5,860,456	1,234,671	9,788,307	25,328,634
Division no. 7	179	518	575,225	65,630	993,819	2,130,539
Division no. 8	133	251	154,992	16,036	314,104	631,325
Division no. 9	94	279	308,111	48,965	797,854	1,577,469
Division no. 10	7	65	123,734	328,025	634,312	1,004,014
Totals	822	9,622	22,681,246	3,835,127	43,117,299	100,642,613
 Prince Edward Island:						
King's County	68	389	387,822	52,120	1,777,518	2,498,426
Prince County	83	577	684,766	79,752	5,713,238	7,145,094
Queen's County	86	769	1,386,965	167,022	9,686,992	12,879,919
Totals	237	1,735	2,459,553	298,894	17,177,748	22,523,439
 Nova Scotia:						
Annapolis	46	491	733,098	67,584	2,465,412	4,238,270
Antigonish	20	194	250,819	30,460	766,353	1,305,901
Cape Breton	114	6,869	17,764,799	5,498,768	34,242,728	69,578,878
Colchester	105	1,777	2,821,315	282,862	8,654,627	13,425,323
Cumberland	93	1,859	3,282,913	461,308	10,106,852	18,196,054
Digby	96	819	975,438	98,906	3,123,715	5,171,463
Guysboro	49	502	616,160	56,539	2,020,630	3,311,536
Halifax	258	7,397	16,841,106	2,306,307	48,076,508	79,703,948
Hants	64	999	1,735,162	289,188	4,971,934	9,523,225
Inverness	63	276	263,213	23,725	999,223	1,479,659
Kings	84	730	1,062,803	174,438	4,631,761	6,688,236
Lunenburg	141	1,604	2,726,877	187,302	6,618,595	11,478,774
Pictou	114	3,512	7,932,176	1,000,554	25,393,981	41,365,261
Queens	30	1,207	3,476,153	1,209,047	5,794,420	16,171,460
Richmond	20	79	69,711	2,896	253,148	362,812
Shelburne	75	794	1,096,976	101,199	4,933,084	7,419,059
Victoria	25	82	86,809	5,990	336,584	477,891
Yarmouth	77	1,321	2,240,226	220,195	8,725,781	13,721,484
Totals	1,474	30,512	63,975,754	12,017,268	172,115,336	303,619,234

TABLE 19. Principal Statistics of the Manufacturing Industries of Canada, by Counties and Census Divisions, 1951—Continued

County	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost of materials	Gross value of products
	No.	No.	\$	\$	\$	\$
New Brunswick:						
Albert	24	235	482,453	129,850	1,600,281	3,372,258
Carleton	52	635	919,149	108,669	3,060,633	4,887,522
Charlotte	72	3,159	5,409,348	426,074	13,656,210	23,128,745
Gloucester	103	2,076	4,600,650	1,371,138	11,587,832	26,533,390
Kent	47	342	335,500	53,439	1,958,040	2,617,431
Kings	56	390	616,694	73,559	2,767,530	4,323,308
Madawaska	54	1,087	3,454,647	1,207,159	9,419,172	22,160,025
Northumberland	84	1,342	2,717,719	398,801	7,528,851	15,103,331
Queens	37	305	594,966	162,935	1,188,115	2,440,113
Restigouche	62	2,133	6,807,718	3,173,843	19,991,065	41,848,769
St. John	143	5,384	11,719,608	1,959,685	61,613,448	91,907,990
Sunbury	10	51	64,642	6,110	190,783	318,194
Victoria	42	435	845,855	40,665	1,731,490	3,650,537
Westmorland	191	4,988	11,275,288	795,721	30,961,342	48,683,681
York	107	1,943	3,702,645	312,037	9,104,072	16,198,210
Totals	1,084	24,505	53,546,882	10,219,685	176,358,864	307,173,504
Quebec:						
Abitibi	210	1,616	2,736,506	233,954	8,494,039	13,938,416
Argenteuil	77	3,133	6,956,721	595,985	18,138,852	33,868,033
Arthabaska	142	3,764	6,944,636	361,457	18,172,611	32,014,916
Bagot	79	1,296	2,192,611	136,115	8,498,782	12,433,481
Beauce	182	2,584	4,087,698	314,296	10,668,216	18,714,907
Bellechasse	68	7,206	17,293,783	4,161,274	35,138,488	75,666,657
Berthier	80	341	446,456	54,741	2,870,633	3,682,290
Bonaventure	116	1,533	2,305,823	237,818	6,093,874	11,243,489
Brome	101	427	493,055	48,823	2,136,098	3,035,575
Chambly	45	388	543,233	48,552	1,773,507	2,731,390
Champlain	105	4,626	10,516,289	640,542	20,797,618	43,297,581
Charlevoix Est	236	7,528	17,252,882	3,773,991	53,501,138	112,263,324
Charlevoix Ouest	46	592	1,653,152	865,337	3,738,592	8,873,064
Châteauguay	36	107	129,282	10,672	441,787	652,732
Chicoutimi	37	485	985,317	93,869	4,224,006	6,482,697
Compton	183	9,793	31,923,343	22,375,399	84,736,253	217,547,263
Deux Montagnes	75	1,399	3,354,965	932,942	9,220,154	17,645,757
Dorchester	50	276	399,409	58,767	1,792,898	2,595,313
Drummond	108	614	945,111	121,722	4,961,039	6,839,886
Frontenac	112	8,919	20,937,989	1,837,904	33,532,888	78,702,837
Gaspé	105	1,033	1,526,350	138,775	4,651,601	7,871,726
Gaspé Est	107	1,047	2,311,186	455,122	7,838,887	15,876,261
Gaspé Ouest	31	332	584,974	30,055	1,845,672	3,048,580
Gatineau	75	333	502,314	56,816	2,134,903	3,510,820
Hull	77	6,585	18,856,585	6,493,032	53,980,564	107,453,078
Huntingdon	34	741	2,015,242	150,867	11,055,739	14,688,504
Iberville	41	499	911,271	83,509	2,622,258	4,642,487
Iles-de-la-Madeleine	25	453	264,611	34,525	1,353,004	1,862,077
Jésus Island	37	586	957,444	64,358	1,761,505	3,613,445
Joliette	132	2,756	5,867,211	942,325	15,008,540	28,613,153
Kamouraska	91	585	807,079	50,111	2,802,991	4,250,705
Labelle	94	712	1,111,140	74,133	3,688,781	5,891,604
Lac St. Jean Est	81	1,589	5,119,630	3,344,623	17,315,716	40,076,597
Lac St. Jean Ouest	157	1,430	3,524,286	1,292,513	12,493,739	26,559,670
Laprairie	35	1,019	2,504,020	887,884	3,783,190	9,632,276
L'Assomption	73	1,704	3,520,431	364,469	6,667,135	11,220,265
Lévis	94	3,011	5,188,021	355,870	8,890,262	18,425,815
L'Islet	99	807	1,292,842	95,334	2,868,726	5,628,070
Lotbinière	106	597	851,925	146,790	4,349,160	6,123,548
Maskinonge	74	1,673	2,599,176	335,009	6,818,735	13,046,157
Matane	78	742	1,502,660	64,840	3,274,082	6,544,355
Matapédia	74	452	659,636	46,631	2,775,097	3,956,512
Mégantic	110	1,907	3,561,974	214,734	6,340,811	12,010,913
Missisquoi	81	3,692	7,784,045	679,523	16,710,889	36,431,904
Montcalm	64	359	499,954	44,461	2,688,131	3,640,417
Montmagny	90	1,743	3,116,842	210,564	7,601,266	13,095,971
Montmorency no. 1	49	808	2,227,510	1,359,581	4,870,136	14,614,625
Montmorency no. 2	16	76	131,130	13,385	360,718	582,760
Montreal	4,597	227,223	575,191,390	41,207,380	1,531,318,468	2,666,709,367
Napierville	34	540	847,630	78,155	4,695,913	7,031,269
Nicolet	119	849	1,251,086	169,104	8,030,862	10,450,970
Papineau	89	2,018	5,364,395	1,457,458	11,374,310	26,512,056
Pontiac	51	368	571,196	47,940	2,423,922	3,561,329
Portneuf	166	2,888	7,045,145	2,830,865	19,164,911	41,296,521
Québec	586	19,550	39,890,327	4,842,952	112,709,282	198,314,193
Richelieu	78	5,426	14,012,343	1,550,399	12,027,143	30,421,868
Richmond	80	2,912	7,779,666	1,543,749	20,084,201	39,831,058
Rimouski	142	898	1,560,909	144,488	4,653,421	8,066,009
Rivière-du-Loup	117	1,008	1,839,374	144,488	6,352,413	9,795,012
Rouville	87	1,437	2,377,295	372,362	8,875,234	15,152,090
Saguenay	62	1,132	4,096,849	604,332	13,692,020	29,058,213
Shefford	146	6,563	14,132,769	820,016	35,558,339	63,860,649
Sherbrooke	125	9,236	20,614,609	1,485,925	50,750,481	91,106,340
Soulanges	25	83	152,779	19,448	739,552	998,568
Stanstead	101	4,849	8,924,296	864,296	44,718,255	63,044,325
St. Hyacinth	147	5,511	10,800,580	663,834	32,278,525	51,679,646
St. Jean	88	5,785	13,163,181	1,058,658	20,545,027	44,698,908
St. Maurice	193	13,606	39,257,672	15,862,421	98,097,174	217,769,052

TABLE 19. Principal Statistics of the Manufacturing Industries of Canada, by Counties and Census Divisions, 1951—Continued

County and Census Division	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost of materials	Gross value of products
	No.	No.	\$	\$	\$	\$
Quebec—continued:						
Témiscamingue	92	2,339	6,723,969	3,240,778	66,936,716	89,218,973
Témiscouata	85	758	1,359,830	65,655	4,003,656	6,504,844
Terrebonne	205	6,066	12,627,085	908,485	26,666,070	50,282,632
Vaudreuil	43	274	421,556	35,424	1,000,315	1,724,116
Verchères	62	1,137	2,485,393	333,694	9,933,776	17,072,617
Wolfe	68	600	892,892	211,066	2,198,232	3,752,679
Yamaska	55	228	319,694	87,651	2,326,717	3,102,212
Totals	11,861	417,182	1,005,601,680	135,585,022	2,696,638,646	4,916,157,419
Ontario:						
Algoma	116	8,756	26,857,576	10,196,999	71,243,132	139,081,261
Brant	207	15,390	41,830,659	2,020,503	80,225,503	158,792,132
Bruce	156	2,454	4,637,541	310,241	10,598,931	17,901,454
Carleton	370	10,925	26,855,982	2,082,803	50,841,694	106,102,854
Cochrane	112	4,532	15,435,148	3,124,547	30,700,422	82,715,460
Dufferin	34	242	407,676	55,756	1,734,964	2,361,262
Dundas	50	761	1,500,181	174,513	9,280,012	13,999,384
Durham	83	2,484	6,844,058	599,380	12,585,110	27,610,520
Elgin	101	3,313	7,506,606	535,797	31,372,572	47,197,253
Essex	422	39,015	121,800,655	7,967,287	386,927,901	696,591,153
Frontenac	117	6,092	15,824,487	1,551,386	34,117,754	72,814,903
Glengarry	69	377	554,482	81,700	3,408,589	4,435,472
Grenville	58	1,566	3,151,632	683,432	13,211,653	20,422,799
Grey	194	4,850	10,620,711	596,480	17,512,376	34,692,333
Haldimand	60	1,667	3,619,070	572,933	11,732,439	20,041,986
Haliburton	33	396	691,961	47,230	1,452,807	2,958,018
Haltoun	133	5,122	13,315,384	1,184,240	29,670,403	53,978,027
Hastings	238	7,347	17,320,148	2,773,125	38,313,025	77,802,126
Huron	142	1,638	3,108,142	509,286	11,227,480	17,686,816
Kenora	88	1,935	6,027,088	828,465	29,537,170	48,262,487
Kent	199	8,513	22,819,094	2,742,953	90,127,218	139,019,005
Lambton	130	8,928	27,965,132	13,023,726	118,165,003	208,658,344
Lanark	129	3,090	6,506,361	536,851	16,716,605	50,531,232
Leeds	126	3,059	7,257,787	596,289	36,370,607	10,443,473
Lennox and Addington	68	857	1,787,103	387,772	6,212,317	10,443,473
Lincoln	212	15,825	47,151,999	2,968,900	88,894,663	179,245,444
Manitowlin	30	107	136,964	19,076	578,188	852,340
Middlesex	373	17,772	47,026,680	2,607,097	111,931,385	211,828,210
Muskoka	81	1,069	2,110,432	141,581	6,339,757	10,545,443
Nipissing	103	2,066	4,973,389	507,794	8,429,095	19,010,243
Norfolk	85	1,976	4,478,618	336,007	36,532,620	47,877,564
Northumberland	131	1,922	4,044,901	356,809	11,358,172	20,364,322
Ontario	167	15,442	49,708,681	2,174,496	204,852,203	344,268,139
Oxford	202	7,024	16,725,909	1,543,977	59,071,573	96,415,831
Parry Sound	109	1,092	2,249,827	261,308	5,811,074	12,276,464
Peel	124	10,710	33,325,095	4,178,083	45,837,687	119,910,453
Perth	161	5,268	12,327,493	1,712,542	30,039,464	52,899,812
Peterborough	148	10,226	29,217,407	1,316,632	79,593,281	127,364,591
Prescott	98	1,152	2,885,879	987,089	10,112,486	15,970,629
Prince Edward	68	838	1,191,529	169,806	5,483,845	8,585,588
Rainy River	54	980	3,486,250	774,343	8,050,445	18,956,198
Renfrew	204	4,179	8,738,040	1,084,852	18,935,377	36,696,254
Russell	59	182	249,735	67,244	2,049,855	2,521,890
Simcoe	228	6,312	14,031,289	852,128	35,942,267	59,914,502
Stormont	89	7,287	19,528,236	3,787,200	37,916,145	86,534,076
Sudbury	155	10,018	31,910,005	14,243,639	92,593,186	273,255,072
Thunder Bay	248	8,188	25,768,778	6,857,454	63,164,675	158,526,558
Timiskaming	116	1,388	2,729,721	200,411	5,631,308	11,229,854
Victoria	89	1,831	3,707,324	339,999	6,671,340	13,687,023
Waterloo	517	31,106	77,470,722	4,147,799	178,300,167	340,266,209
Welland	280	25,040	80,390,291	19,123,707	300,498,547	509,583,309
Wellington	223	8,187	20,538,220	1,341,891	43,095,827	80,938,552
Wentworth	639	61,346	179,876,159	20,814,012	399,391,665	772,493,872
York	4,597	197,591	549,162,745	24,837,215	1,294,002,382	2,359,458,363
Totals	13,025	599,433	1,669,386,982	170,936,785	4,334,394,367	8,074,731,217
Manitoba:						
Division no. 1	51	208	316,204	53,243	1,421,424	2,115,749
Division no. 2	35	341	577,703	100,397	2,491,226	3,964,618
Division no. 3	25	88	141,299	26,372	1,071,206	1,364,624
Division no. 4	10	68	120,701	13,844	404,175	628,984
Division no. 5	53	3,171	8,898,360	1,251,673	17,203,219	35,527,166
Division no. 6	981	32,675	79,201,981	6,052,701	282,174,621	441,438,248
Division no. 7	63	805	1,846,130	210,948	10,798,603	16,162,377
Division no. 8	15	80	141,734	22,184	1,416,347	1,736,640
Division no. 9	49	2,651	6,176,962	742,867	7,394,458	19,912,730
Division no. 10	24	170	297,909	78,182	1,105,278	1,758,145
Division no. 11	18	77	128,540	23,414	1,020,079	1,299,231
Division no. 12	31	121	186,762	24,854	1,319,606	1,701,363
Division no. 13	33	176	275,128	33,508	1,176,180	1,744,569
Division no. 14	43	143	180,888	18,430	1,185,189	1,585,923
Division no. 15	28	70	107,320	15,625	607,056	843,720
Division no. 16	53	615	1,573,345	625,525	18,354,963	19,561,959
Totals	1,512	41,459	100,170,966	9,293,767	349,203,612	551,346,046

TABLE 19. Principal Statistics of the Manufacturing Industries of Canada, by Counties and Census Divisions, 1951—Concluded

Census Division	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost of materials	Gross value of products
	No.	No.	\$	\$	\$	\$
Saskatchewan:						
Division no. 1	21	121	256,504	40,373	835,057	1,483,430
Division no. 2	13	78	153,241	15,041	367,321	667,106
Division no. 3	6	23	28,625	2,495	29,712	74,839
Division no. 4	11	54	88,791	14,343	431,804	608,804
Division no. 5	28	135	234,940	41,192	2,167,469	2,667,861
Division no. 6	152	3,004	7,926,542	1,339,820	42,247,429	62,118,225
Division no. 7	50	1,321	3,520,892	676,544	32,963,248	41,757,480
Division no. 8	17	217	537,699	84,446	1,899,097	3,026,264
Division no. 9	75	349	582,135	100,617	3,257,878	4,815,640
Division no. 10	13	60	90,244	11,966	959,532	1,167,225
Division no. 11	127	2,750	6,672,605	768,794	46,525,584	63,690,403
Division no. 12	12	74	126,371	23,935	426,133	681,452
Division no. 13	14	84	179,254	37,734	396,336	1,151,294
Division no. 14	205	658	960,724	88,200	2,468,207	5,213,998
Division no. 15	85	1,106	2,525,939	232,378	13,535,164	19,443,536
Division no. 16	69	374	541,864	66,494	2,227,601	3,469,602
Division no. 17	75	615	1,863,924	1,028,593	34,413,883	38,775,867
Division no. 18						
Totals	973	11,023	26,290,294	4,572,965	185,151,455	250,813,026
Alberta:						
Division no. 1	43	1,279	2,845,757	218,499	19,689,769	26,928,897
Division no. 2	99	1,589	3,441,027	355,302	9,844,487	19,106,386
Division no. 3	14	585	1,505,859	83,375	2,078,785	5,273,328
Division no. 4	31	357	876,590	111,137	5,561,202	7,740,918
Division no. 5	10	39	57,908	7,991	220,011	323,754
Division no. 6	438	9,691	25,604,218	3,492,340	111,446,513	165,388,024
Division no. 7	25	93	177,160	33,677	1,556,256	1,965,382
Division no. 8	107	529	1,010,831	127,145	6,860,815	9,395,491
Division no. 9	204	797	1,202,237	104,587	4,844,748	7,513,627
Division no. 10	51	303	711,829	206,995	4,548,755	6,825,906
Division no. 11	443	10,185	26,135,185	1,944,138	124,505,841	177,724,618
Division no. 12	214	1,115	1,597,812	149,813	4,437,850	7,456,874
Division no. 13	68	243	378,726	31,643	1,683,352	2,585,132
Division no. 14	158	718	1,029,757	98,965	4,355,444	6,362,533
Division no. 15	93	724	1,160,629	93,994	3,480,604	5,965,599
Division no. 16	111	816	1,354,399	134,852	4,217,407	7,497,534
Division no. 17	9	42	45,663	6,739	98,779	227,381
Totals	2,118	29,105	69,135,587	7,201,192	309,430,618	458,281,384
British Columbia:						
Division no. 1	122	1,373	3,199,750	389,407	7,008,535	14,494,233
Division no. 2	182	6,930	21,237,810	2,631,615	146,233,305	192,143,619
Division no. 3	313	3,653	7,739,010	568,787	16,336,799	33,678,571
Division no. 4	1,800	54,643	153,612,519	10,075,404	456,477,316	791,246,556
Division no. 5	489	13,685	41,255,443	3,771,310	83,690,186	195,013,322
Division no. 6	187	1,979	4,442,368	402,478	8,775,541	18,324,175
Division no. 7	36	3,409	12,028,898	2,612,754	23,861,033	70,653,566
Division no. 8	632	5,333	11,601,285	931,963	27,350,660	53,591,647
Division no. 9	55	2,118	6,619,981	1,118,411	17,845,728	31,721,834
Division no. 10	81	524	889,219	89,230	2,261,314	4,012,818
Totals	3,897	93,647	262,626,283	22,591,359	789,840,417	1,404,880,341

APPENDIX 1

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1951

MONTREAL METROPOLITAN AREA

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost of materials	Gross value of products
	No.	No.	\$	\$	\$	\$
Foods and Beverages:						
Aerated waters	28	1,115	2,954,762	247,187	5,796,197	20,091,675
Biscuits	7	2,019	3,760,293	262,757	13,268,567	25,302,415
Bread and other bakery products	144	5,055	11,139,413	1,041,004	20,443,371	41,431,339
Breakfast foods	3	78	159,817	10,774	568,437	1,191,036
Breweries	6	2,628	8,828,555	710,534	14,638,614	44,552,443
Butter and cheese	11	2,043	5,380,719	549,506	16,255,534	25,318,795
Confectionery	39	2,202	4,310,059	279,467	15,216,806	28,491,734
Distilled liquors	4	1,535	4,674,694	566,412	13,549,190	33,294,504
Fruit and vegetable preparations	36	1,008	1,958,659	213,123	8,064,172	12,628,934
Miscellaneous food preparations	69	2,258	5,259,546	485,658	53,855,169	74,110,525
Other dairy products	6	184	422,502	58,584	1,516,218	2,909,370
Prepared stock and poultry feed	12	438	1,177,398	93,402	22,561,381	27,134,486
Processed cheese	4	468	1,286,606	42,327	11,224,258	12,808,663
Sausage and sausage casings	19	271	527,262	55,203	4,117,829	5,283,967
Slaughtering and meatpacking	21	2,985	8,718,331	658,934	122,527,343	140,459,218
All other industries ¹	12	1,938	5,808,878	1,143,539	75,622,151	94,414,944
Totals	421	26,225	66,367,494	6,418,411	399,225,237	589,424,048
Tobacco and Tobacco Products:						
Totals	21	5,355	14,794,007	204,480	43,335,669	77,878,651
Rubber Products:						
Totals	11	3,332	9,171,396	313,083	11,747,044	24,675,618
Leather Products:						
Belting	5	81	197,600	12,219	615,119	953,412
Boot and shoe findings	10	92	220,691	10,913	327,079	734,832
Footwear	75	6,517	12,100,075	158,175	21,031,031	38,104,674
Gloves and mittens	18	622	1,063,810	15,453	1,983,246	3,675,080
Miscellaneous leather products	83	1,937	3,378,967	48,817	4,453,699	9,570,665
Tanneries	3	38	68,202	4,448	91,693	205,672
Totals	194	9,287	17,029,345	250,025	28,501,867	53,244,335
Textile Products (Except Clothing):						
Awnings, texts and sails	16	323	533,545	14,636	1,632,519	2,730,178
Bags, cotton and jute	11	551	990,878	39,682	12,240,825	13,915,824
Cotton yarn and cloth	5	4,177	9,513,574	505,078	18,102,563	32,331,196
Dyeing, finishing of textiles	25	875	2,142,326	257,600	1,008,728	4,591,871
Embroideries, pleating etc.	91	1,251	2,229,168	25,523	1,672,636	5,559,980
Miscellaneous cotton goods	7	201	481,397	52,626	2,417,711	3,612,113
Miscellaneous textile products	70	1,864	3,610,212	151,400	12,037,478	19,881,708
Miscellaneous woollen goods	3	76	153,128	17,687	742,897	1,034,174
Narrow fabrics	19	467	894,134	26,980	1,422,260	3,118,714
Woollen cloth	7	105	370,762	2,001	443,997	617,090
Woollen yarn	4	200	353,894	18,437	785,116	1,778,742
All other industries ²	18	3,242	10,121,738	389,354	16,161,927	29,061,438
Totals	276	13,332	31,444,756	1,501,004	68,668,657	118,233,028
Clothing (Textile and Fur):						
Clothing, children's	90	3,819	6,255,960	72,351	12,962,407	23,798,167
Clothing contractors, men's	90	1,811	3,437,518	38,150	306,157	4,484,413
Clothing contractors, women's	53	892	1,625,623	14,823	89,537	2,643,024
Clothing, men's factory	280	11,697	24,520,715	218,383	56,240,107	101,660,351
Clothing, women's factory	538	18,116	35,113,670	290,320	68,046,724	130,589,828
Corsets	9	580	885,582	9,471	1,303,153	3,072,564
Fur dressing and dyeing	6	679	1,678,889	67,035	570,358	2,929,463
Fur goods	241	2,622	6,222,527	82,627	19,175,365	29,639,547
Hats and caps	63	2,207	4,527,277	80,345	5,270,397	12,457,029
Hosiery	20	1,102	2,313,931	55,732	2,215,369	6,580,726
Knitted goods	46	1,887	3,320,855	73,399	7,308,707	12,807,835
Oiled and waterproofed clothing	9	330	689,456	6,002	1,920,340	3,493,217
Miscellaneous clothing ³	33	755	1,245,390	17,038	3,018,867	5,284,622
Totals	1,478	46,497	91,837,393	1,025,676	178,127,488	339,440,786

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1951 - Continued

MONTREAL METROPOLITAN AREA - Continued

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost of materials	Gross value of products
	No.	No.	\$	\$	\$	\$
Wood Products:						
Boxes and baskets, wood	7	408	916,401	28,620	1,342,794	2,830,920
Coffins and caskets	3	58	103,687	3,918	172,022	330,069
Cooperage	3	48	109,796	4,550	372,309	601,862
Furniture	223	4,749	10,659,297	337,980	17,656,636	36,208,753
Lasts, trees and shoe findings	5	257	523,492	15,956	363,533	1,022,273
Miscellaneous wood products	42	342	719,265	55,267	1,814,404	3,009,807
Sash, door and planing mills	69	949	2,106,112	136,946	6,416,583	10,215,153
All other industries ⁴	9	432	1,088,279	64,656	1,957,561	4,028,179
Totals	361	7,243	16,226,329	647,893	30,095,842	58,247,916
Paper Products:						
Boxes and bags	34	2,935	6,397,432	194,364	18,765,965	31,727,276
Miscellaneous paper goods	43	1,234	2,722,004	83,399	6,364,932	11,848,219
All other industries ⁵	7	2,222	8,256,440	513,213	8,906,686	20,345,021
Totals	84	6,391	17,375,876	790,976	34,037,583	63,920,516
Printing, Publishing and Allied Industries:						
Engraving, electrotyping and stereotyping	32	782	2,652,766	60,055	964,133	4,939,020
Lithographing	9	759	2,313,354	41,021	3,626,070	7,166,775
Printing and bookbinding	324	5,033	12,932,408	260,127	10,143,683	30,332,725
Printing and publishing	28	4,493	13,883,315	238,050	11,710,270	36,335,878
Publishing (only) of periodicals	251	1,757	4,151,752	—	8,065,268	18,332,363
Trade composition	9	264	728,220	14,158	104,776	1,272,814
Totals	653	13,088	36,661,815	613,411	34,614,200	98,379,575
Iron and Steel Products:						
Boilers and plate work	11	1,300	4,465,169	146,117	4,557,170	12,484,806
Bridge building and structural steel	7	2,661	8,839,839	329,166	15,938,403	33,860,540
Hardware, tools and cutlery	47	2,705	7,090,744	259,815	6,509,922	22,049,558
Heating and cooking apparatus	9	675	1,879,136	80,219	4,683,197	7,261,722
Iron castings	10	2,592	7,341,582	512,248	12,133,371	25,460,567
Machinery, household office and store	14	745	1,845,806	47,168	860,911	3,216,593
Machinery, industrial	33	4,931	15,543,639	556,451	19,415,031	43,109,228
Machine shops	59	1,110	2,916,582	100,519	1,492,475	6,196,789
Miscellaneous iron and steel products	49	703	1,647,434	74,595	1,385,362	4,040,591
Primary iron and steel	4	2,588	7,881,025	1,423,376	11,380,434	30,147,083
Sheet metal products	54	4,722	13,074,212	501,684	25,476,777	48,109,366
Wire and wire goods	25	1,925	5,847,109	402,720	6,772,008	24,455,182
Totals	322	26,657	78,372,277	4,434,078	110,605,061	260,392,025
Transportation Equipment:						
Boatbuilding	6	23	36,725	1,137	21,227	73,736
Motor vehicle parts	18	251	579,001	29,501	530,984	1,386,884
Railway rolling stock	9	15,361	40,973,279	2,265,625	72,738,692	124,558,000
Shipbuilding	6	2,270	7,075,412	282,850	7,432,610	17,470,186
All other industries ⁶	13	9,166	27,801,633	627,738	29,475,104	61,001,185
Totals	52	27,071	76,466,050	3,206,851	110,198,617	204,489,991
Non-ferrous Metal Products¹⁰:						
Aluminum products	12	978	3,227,006	37,612	1,049,588	2,550,922
Brass and copper products	28	2,825	7,976,591	739,000	49,553,819	66,311,006
Jewellery and silverware	61	1,413	2,692,805	26,168	3,433,241	8,066,456
Miscellaneous non-ferrous metal products	6	158	391,648	9,196	368,950	1,059,852
White metal alloys	14	418	1,145,266	77,946	9,833,940	12,676,873
Totals¹⁰	121	5,792	15,433,316	889,922	64,239,538	90,665,109
Electrical Apparatus and Supplies:						
Heavy electrical machinery	11	952	2,506,720	48,993	2,542,991	5,666,835
Miscellaneous electrical apparatus and supplies	28	11,081	32,637,202	781,985	39,280,071	96,199,981
Radio and radio parts	11	2,995	9,087,756	174,435	13,803,243	25,738,759
Refrigerators, vacuum cleaners and appliances	13	1,926	4,736,288	310,757	11,674,486	23,984,421
All other industries	2	34	91,868	6,276	432,286	553,753
Totals	65	16,988	49,059,834	1,322,446	67,733,077	152,143,749

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1951 - Continued

MONTREAL METROPOLITAN AREA - Concluded

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost of materials	Gross value of products
	No.	No.	\$	\$	\$	\$
Non-metallic Mineral Products:						
Cement products	33	940	2,377,787	314,093	5,130,779	10,920,746
Glass and glass products	23	2,235	5,549,453	1,715,447	6,509,012	18,547,450
Miscellaneous non-metallic mineral products	12	185	476,085	71,647	1,074,097	2,393,998
Stone products	12	147	348,068	38,866	329,477	984,818
All other industries ⁷	10	1,729	4,950,843	3,606,646	6,732,345	25,576,038
Totals	90	5,236	13,702,236	5,746,699	19,775,710	58,423,050
Products of Petroleum and Coal:						
Totals	8	3,249	11,163,540	11,931,506	189,483,673	264,898,553
Chemicals and Allied Products:						
Acids, alkalies and salts	3	385	1,532,597	53,287	4,612,652	5,621,554
Adhesives	9	177	462,700	55,877	1,808,382	3,055,195
Gases, compressed	7	230	660,126	80,301	428,981	2,830,980
Inks, writing and printing	10	116	283,878	14,249	556,333	1,263,915
Medicinal and pharmaceutical preparations	69	3,236	8,470,514	293,274	10,726,225	34,818,377
Miscellaneous chemical products	43	1,006	3,344,072	160,349	6,328,573	11,207,411
Paints, varnishes and lacquers	28	2,466	6,429,475	233,818	17,402,363	31,820,483
Polishes and dressings	11	220	451,257	29,902	1,925,229	3,022,742
Soaps, washing compounds and cleaning preparations	27	448	1,111,314	85,071	2,392,658	5,491,609
Toilet preparations	31	643	1,365,773	38,578	2,920,171	7,180,771
All other industries ⁸	8	718	2,370,146	246,924	11,116,335	17,322,597
Totals	246	9,645	26,481,852	1,291,630	60,217,902	123,635,634
Miscellaneous Manufacturing Industries:						
Artificial flowers and feathers	20	451	700,805	5,168	831,352	1,962,019
Brooms, brushes and mops	26	389	644,946	23,126	1,274,953	2,289,147
Buttons, buckles and fasteners	25	518	943,188	24,707	1,699,805	3,395,280
Candles	7	94	155,771	15,873	290,649	741,298
Clocks, watches and watch cases	16	132	343,097	2,395	990,480	1,594,418
Fountain pens and pencils	5	242	443,538	8,656	894,071	1,995,365
Hair goods	10	79	184,794	2,955	955,449	1,277,982
Ice, artificial	8	74	182,689	96,953	34,930	603,796
Lamps, electric, and lamp shades	24	432	776,995	23,735	1,393,872	2,812,765
Other miscellaneous industries	7	186	423,570	12,856	569,042	1,385,683
Patterns and models	7	95	328,474	8,341	142,564	663,840
Pipes, lighters and smokers' supplies	4	98	225,314	8,763	223,074	544,938
Plastic products	27	459	998,434	49,601	3,329,452	5,924,395
Scientific and professional equipment	16	324	873,322	14,257	1,753,467	3,655,163
Signs, electric, neon and other	13	278	683,103	26,554	413,352	1,388,446
Sporting goods	9	215	372,745	12,003	524,473	1,096,717
Stamps and stencils, rubber and metal	9	87	211,614	4,917	104,241	422,421
Statuary, art goods and novelties	35	325	607,651	14,121	619,843	1,540,185
Toys and games	10	391	959,224	34,234	1,172,305	2,422,085
All other industries ⁹	5	346	789,256	24,001	934,056	2,606,531
Totals	283	5,215	10,848,530	413,216	18,151,430	38,322,474
Grand Totals, Metropolitan Montreal¹⁰	4,686	230,603	582,436,046	41,001,307	1,469,058,595	2,616,414,158

1. Includes: Animal oil and fats, 1; fish processing, 1; feed mills, 1; flour mills, 3; wines, 1; sugar refining, 2; macaroni and kindred products, 3.

2. Includes: Cotton thread, 5; Synthetic textiles and silk, 2; carpets, mats and rugs, 1; cordage, rope and twine, 1; oilcloth, linoleum and other coated fabrics, 7; automobile accessories, fabric, 2.

3. Also, gloves and mittens, fabric, 1.

4. Includes: Plywoods and veneer, 1; hardwood flooring, 2; sawmills, 1; woodturning, 2; excelsior, 1; woodenware, 2.

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

6. Includes: Aircraft and parts, 8; bicycles and parts, 2; carriages, wagons and sleighs, 1; motor vehicles, 2.

7. Includes: Abrasive products, 1; asbestos products, 2; cement, Portland, 1; clay product from imported clay, 2; clay product from domestic clay, 1; sand-lime brick, 1; lime, 1; gypsum products, 1.

8. Includes: Fertilizers, 2; vegetable oils, 2; primary plastics, 2; coal tar distillation, 2.

9. Includes: Musical instruments, 2; typewriter supplies, 1; umbrellas, 2.

10. Exclusive of non-ferrous smelting and refining industry.

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1951 - Continued

TORONTO METROPOLITAN AREA

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost of materials	Gross value of products
	No.	No.	\$	\$	\$	\$
Foods and Beverages:						
Animal oils and fats.....	4	108	332,421	75,468	921,512	1,451,004
Biscuits.....	5	1,300	2,769,452	165,986	7,135,817	16,840,195
Bread and other bakery products.....	199	5,881	13,393,510	1,165,206	20,406,414	43,057,862
Breweries.....	4	959	3,892,937	213,863	6,051,563	23,659,467
Butter and cheese.....	7	1,934	5,458,285	420,802	12,076,493	21,137,784
Carbonated beverages.....	20	1,009	2,567,866	207,280	4,542,075	14,993,610
Confectionery.....	39	3,524	7,192,378	481,497	20,997,411	36,157,990
Distilled liquors.....	3	333	1,040,039	180,316	5,543,748	9,317,905
Feed mills.....	5	14	20,400	3,231	183,754	259,986
Fruit and vegetable preparations.....	30	1,364	3,534,700	222,138	15,913,636	26,118,910
Macaroni and kindred products.....	3	76	185,333	18,028	682,986	1,076,691
Miscellaneous food preparations.....	68	2,316	5,902,947	522,292	45,415,888	62,764,338
Other dairy products.....	4	85	180,195	20,526	562,064	1,076,949
Processed cheese.....	5	145	304,581	16,079	2,846,666	3,672,304
Prepared stock and poultry feed.....	12	582	1,603,212	133,284	15,141,212	19,007,782
Sausage and sausage casings.....	16	173	385,934	23,729	3,345,040	4,129,862
Slaughtering and meatpacking.....	20	4,962	15,777,367	1,048,058	205,435,052	240,549,615
Wines.....	5	120	451,579	15,682	603,460	1,783,919
All other industries.....	6	414	1,421,794	91,962	11,331,030	13,549,696
Totals.....	455	25,299	66,414,930	5,025,427	379,135,821	540,605,869
Tobacco and Tobacco Products:						
Totals.....	4	66	116,295	5,178	225,579	453,147
Rubber Products:						
Totals.....	14	6,236	19,438,485	1,288,093	53,721,300	105,308,148
Leather Products:						
Belting.....	4	61	142,645	2,529	404,380	639,518
Footwear.....	30	1,403	2,810,321	31,243	4,383,344	8,326,690
Gloves and mittens.....	5	48	84,164	3,065	112,816	234,758
Miscellaneous leather products ¹	66	1,376	2,785,559	46,579	4,658,062	8,293,425
Tanneries.....	4	531	1,532,113	144,780	6,866,855	8,649,971
Totals.....	109	3,419	7,354,802	228,196	16,425,457	26,144,362
Textile Products (Except Clothing):						
Automobile accessories, fabric.....	3	28	54,998	2,267	128,445	225,119
Awnings, tents and sails.....	20	316	580,230	17,776	1,898,097	2,867,499
Bags, cotton and jute.....	4	135	262,674	11,674	2,944,758	3,421,122
Carpets, mats and rugs.....	5	422	1,170,433	158,240	3,080,746	6,271,754
Dyeing and finishing of textiles.....	11	262	622,961	56,747	209,489	1,376,997
Embroideries, pleating, hemstitching, etc.....	33	351	739,817	12,507	958,096	2,258,647
Miscellaneous textiles.....	46	1,010	2,074,951	61,701	6,562,358	10,175,528
Miscellaneous woollen goods.....	18	508	1,451,686	85,919	13,190,970	16,070,933
Narrow fabrics.....	12	193	372,667	11,944	657,762	1,274,469
Oilcloth, linoleum and other coated fabrics.....	3	536	1,771,452	85,909	4,034,298	7,498,091
Woollen cloth.....	7	739	1,867,983	10,005	6,882,811	8,805,433
Woollen yarn.....	6	696	1,610,928	103,563	5,142,416	7,973,669
All other industries ²	8	447	1,096,452	39,140	3,883,151	5,757,327
Totals.....	176	5,643	13,677,232	657,392	49,573,397	73,976,588
Clothing (Textile and Fur):						
Clothing, children's.....	37	813	1,447,276	15,790	1,988,673	4,219,780
Clothing contractors, men's.....	17	218	449,422	6,588	107,481	624,634
Clothing contractors, women's.....	13	77	120,483	3,375	18,111	178,815
Clothing, men's factory.....	110	6,903	15,746,468	146,699	26,235,658	49,806,994
Clothing, women's factory.....	270	6,596	14,895,158	127,239	21,754,873	43,641,729
Corsets.....	17	936	1,596,864	13,707	2,206,461	4,692,229
Fur dressing and dyeing.....	4	270	658,374	26,692	225,261	1,052,353
Fur goods.....	186	1,582	4,396,733	58,546	11,485,836	18,383,901
Hats and caps.....	57	1,130	2,359,014	42,233	2,885,981	6,589,595
Hosiery.....	13	851	2,289,898	33,350	2,744,545	5,962,773
Knitted goods.....	38	2,125	4,541,414	115,645	9,584,862	16,922,575
Miscellaneous clothing ³	22	457	801,127	9,160	1,549,593	2,819,914
Oiled and waterproofed clothing.....	4	136	293,963	2,599	490,376	1,040,991
Totals.....	788	22,094	49,596,194	601,623	81,277,711	155,936,283

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1951 — Continued

TORONTO METROPOLITAN AREA — Continued

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost of materials	Gross value of products
	No.	No.	\$	\$	\$	\$
Wood Products:						
Boxes and baskets, wood.....	10	421	974,684	17,474	1,513,657	3,544,331
Furniture.....	266	4,099	10,163,981	280,614	19,101,200	36,075,432
Hardwood flooring.....	3	267	871,885	31,928	1,441,532	2,745,738
Miscellaneous wood products.....	56	487	1,184,340	29,370	1,571,843	3,493,029
Sash, door and planing mills.....	54	1,086	2,777,441	133,603	5,879,334	10,466,757
Sawmills.....	5	43	101,553	2,135	142,281	263,982
Woodenware.....	3	9	17,981	285	41,717	67,956
Woodturning.....	6	25	44,538	1,761	51,857	119,981
All other industries ⁴	6	222	557,943	18,598	712,611	1,492,221
Totals.....	409	6,659	16,694,346	515,768	30,456,032	58,269,427
Paper Products:						
Boxes and bags, paper.....	50	3,925	10,676,960	307,467	29,123,505	50,876,506
Miscellaneous paper products ⁵	69	3,324	8,751,232	386,484	18,555,827	36,505,561
Pulp and paper mills.....	6	1,293	6,202,517	1,231,877	10,201,634	18,761,185
Totals.....	125	8,542	25,630,709	1,925,828	57,880,966	106,143,252
Printing, Publishing and Allied Industries:						
Engraving, electrotyping and stereotyping.....	44	1,994	7,181,368	112,079	2,616,694	12,512,927
Lithographing.....	32	1,703	5,040,653	88,077	6,395,103	15,840,861
Printing and bookbinding.....	379	8,382	21,987,357	437,448	24,994,698	63,339,397
Printing and publishing.....	44	6,559	22,214,287	502,535	20,478,671	59,345,943
Publishing (only of periodicals).....	294	1,059	2,042,707	—	5,242,727	9,253,110
Trade composition.....	19	401	1,320,319	16,051	133,585	1,983,958
Totals.....	812	20,098	59,786,691	1,156,190	59,861,478	162,276,196
Iron and Steel Products:						
Boilers and platework.....	14	2,956	10,036,486	384,902	10,960,236	27,893,765
Bridge building and structural steel.....	6	1,594	5,497,438	208,635	8,447,958	19,750,189
Hardware, tools and cutlery.....	83	2,772	7,956,992	340,732	9,029,984	25,026,651
Heating and cooking apparatus.....	22	1,787	5,682,079	198,752	8,768,563	19,509,782
Iron castings.....	14	1,401	4,288,779	106,964	6,860,132	14,337,777
Machinery, household office and store.....	23	2,806	8,240,271	173,796	14,058,209	36,100,267
Machinery, industrial ⁶	68	8,884	28,392,708	589,617	46,052,838	89,712,979
Machine shops.....	74	1,076	2,843,674	76,871	1,607,436	6,192,379
Miscellaneous iron and steel products.....	57	2,424	6,985,808	421,210	3,823,925	13,706,488
Sheet metal products.....	63	4,975	14,357,244	599,346	28,206,208	52,084,270
Wire and wire goods.....	25	380	1,011,663	76,021	2,631,343	4,807,814
Totals.....	449	31,055	95,293,142	3,176,846	140,446,830	309,122,361
Transportation Equipment:						
Carriages, wagons and sleighs.....	4	202	526,850	17,226	868,003	1,669,760
Motor vehicle parts.....	31	3,823	10,736,869	485,935	16,265,335	33,472,054
Railway rolling stock.....	4	1,330	3,738,996	127,108	4,447,272	9,000,394
All other industries ⁷	8	2,693	7,969,230	276,024	12,061,903	25,941,171
Totals.....	47	8,048	22,971,945	906,293	33,642,513	68,083,379
Non-ferrous Metal Products:						
Aluminum products.....	26	1,805	4,957,825	305,827	4,778,941	13,987,658
Brass and copper products.....	36	2,773	8,949,439	605,033	32,752,250	49,844,791
Jewellery and silverware.....	91	2,176	5,321,905	149,807	19,758,075	28,059,549
Miscellaneous non-ferrous metal products.....	7	681	1,850,633	44,626	2,008,602	6,369,190
White metal alloys.....	13	1,441	4,424,002	456,635	26,629,564	35,303,836
Totals.....	173	8,876	25,503,804	1,561,928	85,927,432	133,565,024
Electrical Apparatus and Supplies:						
Batteries.....	5	1,413	4,316,996	235,388	17,834,754	27,453,514
Heavy electrical machinery.....	23	7,224	22,549,707	346,394	23,496,691	62,770,087
Miscellaneous electrical apparatus and supplies.....	56	5,329	15,726,411	562,085	34,306,132	71,589,351
Radios and radio parts.....	28	3,978	11,512,000	273,347	13,876,729	33,921,716
Refrigerators, vacuum cleaners and appliances.....	34	3,290	9,648,322	417,333	23,506,449	44,607,762
Totals.....	146	21,234	63,753,436	1,834,547	113,020,755	240,342,430

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1951 - Continued

TORONTO METROPOLITAN AREA - Concluded

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost of materials	Gross value of products
	No.	No.	\$	\$	\$	\$
Non-metallic Mineral Products:						
Cement products	40	673	1,944,716	196,470	3,273,314	8,385,684
Clay products from domestic clay	10	501	1,581,556	578,024	116,065	3,307,065
Clay products from imported clay	5	67	183,632	12,097	414,620	1,037,225
Glass and glass products	39	945	2,584,900	230,676	2,791,131	5,801,302
Miscellaneous non-metallic mineral products	13	206	601,073	64,022	1,453,545	2,750,900
Sand-lime brick	3	148	409,328	56,535	401,666	1,367,309
Stone products	25	738	2,338,794	251,605	1,991,315	5,609,128
All other industries ⁸	3	114	387,337	6,012	80,525	187,210
Totals	138	3,392	10,031,336	1,395,441	10,522,181	28,445,823
Products of Petroleum and Coal:						
Totals	6	2,911	9,549,840	723,686	9,815,447	20,512,865
Chemical and Allied Products:						
Acids, alkalies and salts	4	255	887,553	204,462	2,587,116	4,630,671
Adhesives	11	359	1,000,070	148,311	2,947,503	5,125,512
Fertilizers	3	95	248,130	7,531	2,837,130	3,829,838
Gases, compressed	9	351	1,101,822	149,535	480,534	3,113,646
Inks, writing and printing	19	688	2,110,953	68,460	4,558,856	9,135,641
Medicinal and pharmaceutical preparations	59	2,106	4,941,732	137,925	7,856,029	23,492,868
Miscellaneous chemical products	60	716	2,105,252	113,137	10,067,918	16,497,052
Paints, varnishes and lacquers	32	1,924	5,739,007	275,613	23,215,205	45,728,955
Polishes and dressings	20	268	608,243	22,384	1,824,463	3,445,866
Soaps, washing compounds and cleaning preparations	28	2,425	7,670,108	624,609	24,739,986	47,123,024
Toilet preparations	42	813	1,751,100	32,895	3,798,039	11,088,930
Vegetable oils	3	336	1,180,724	375,408	27,430,179	33,238,538
All other industries ⁹	4	261	768,924	324,993	3,169,741	5,894,517
Totals	294	10,597	30,113,618	2,485,283	115,512,699	212,345,058
Miscellaneous Manufacturing Industries:						
Artificial flowers and feathers	11	149	187,781	5,266	102,519	430,011
Brooms, brushes and mops	14	430	982,093	15,273	1,944,061	3,574,204
Buttons, buckles and fasteners	7	193	421,200	8,108	359,752	1,041,819
Clocks, watches and watch cases	9	284	706,187	5,978	2,753,639	4,647,020
Fountain pens and pencils	7	491	1,360,239	23,789	1,700,772	3,771,083
Hair goods	7	71	155,691	2,872	902,210	1,205,141
Ice, artificial	13	353	880,202	136,470	41,066	1,809,354
Lamps, electric, and lamp shades	23	568	1,114,727	41,192	1,780,336	3,567,617
Musical instruments	13	420	994,184	54,570	1,723,119	3,382,013
Other miscellaneous industries ¹⁰	13	325	795,748	21,606	930,090	3,313,200
Patterns and models	14	123	392,871	4,399	107,012	647,699
Pipes, lighters and smoker's supplies	3	213	538,199	10,502	881,623	1,958,107
Plastic products	35	1,631	3,595,617	99,018	6,368,373	12,991,934
Scientific and professional equipment	34	2,739	8,635,860	250,733	10,101,918	26,862,849
Signs, electric, neon and other	23	516	1,393,538	42,520	1,061,490	3,217,599
Sporting goods	15	595	1,374,233	40,633	1,400,320	3,568,650
Stamps and stencils, rubber and metal	12	319	811,728	13,209	425,039	1,658,962
Statuary, art goods and novelties	37	364	712,361	18,510	840,867	1,973,089
Toys and games	23	789	1,644,922	33,586	2,492,574	5,236,757
Typewriter supplies	5	310	827,067	22,117	1,879,567	3,452,000
Umbrellas	3	91	145,857	1,137	322,964	516,397
Totals	321	10,974	27,670,305	851,488	38,119,311	88,825,505
Grand Totals, Metropolitan Toronto	4,466	195,143	543,597,110	24,339,207	1,275,564,909	2,330,355,717

- Also, boot and shoe findings, 2.
- Includes: Cordage rope and twine, 1; cotton thread, 1; cotton yarn and cloth, 2; synthetic textiles and silk, 1; miscellaneous cotton goods, 3.
- Also, gloves and mittens, fabric, 1.
- Includes: Coffins and caskets, 2; cooperage 2; excelsior, 1; lasts, trees and shoe findings, 1.
- Also, roofing paper, 2.
- Also, agricultural implements, 3; machine tools, 2.
- Includes: Aircraft and parts 2; bicycles and parts 2; motor vehicles 2; shipbuilding, 2.
- Includes: Abrasive products, 1; asbestos products, 2 and Gypsum products head office.
- Includes: Coal tar distillation 2; primary plastics, 2.
- Also, candles, 1.

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1931 - Continued

HAMILTON METROPOLITAN AREA

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost of materials	Gross value of products
	No.	No.	\$	\$	\$	\$
Foods and Beverages:						
Aerated waters	13	184	390,356	47,290	713,690	1,808,882
Biscuits	3	165	285,421	37,138	551,602	1,331,799
Bread and other bakery products	52	1,331	2,977,061	253,668	4,074,671	8,646,275
Confectionery	9	235	522,304	27,833	1,219,911	2,971,939
Feed mills	6	14	21,154	4,967	395,333	457,062
Fruit and vegetable preparations	17	1,112	2,204,394	132,994	6,305,520	10,044,295
Miscellaneous food preparations	10	296	494,535	24,069	2,194,297	3,641,283
Prepared stock and poultry feeds	6	33	60,002	8,176	198,142	281,414
Slaughtering and meatpacking	6	629	1,492,380	183,514	25,441,668	30,823,107
All other industries ¹	7	381	1,091,033	93,395	2,485,638	4,791,477
Totals	129	4,380	9,538,640	813,044	43,580,472	64,797,533
Leather Products:²						
Totals	8	203	408,496	3,795	818,992	1,516,571
Textile Products (Except Clothing):						
Awnings, tents and sails	4	55	102,909	2,171	66,415	202,211
Cotton yarn and cloth	6	2,421	4,967,050	321,846	12,978,981	21,635,962
All other industries ³	11	928	2,189,598	134,776	7,464,602	11,759,411
Totals	21	3,404	7,259,557	458,793	20,509,998	33,597,584
Clothing (Textile and Fur):						
Clothing men's factory	8	864	1,483,153	26,188	2,479,073	4,632,884
Fur goods	7	33	77,650	2,907	181,129	351,030
Hosiery	4	1,111	2,632,961	100,470	2,090,247	5,949,181
Knitted goods	7	1,958	3,647,010	136,704	7,277,806	12,384,410
All other industries ⁴	3	54	95,358	1,840	116,407	274,105
Totals	29	4,020	7,936,132	268,109	12,144,662	23,591,610
Wood Products:						
Boxes and baskets	4	125	230,910	5,684	374,045	762,970
Furniture	23	324	796,379	34,514	557,287	1,580,501
Miscellaneous wood products	5	20	53,749	12,258	84,684	210,755
Sash, door and planing mills	8	407	1,050,296	56,117	2,654,574	4,124,409
All other industries ⁵	7	153	367,925	11,381	669,424	1,201,314
Totals	47	1,029	2,499,259	119,954	4,340,014	7,879,949
Paper Products:						
Boxes and bags	13	807	2,063,617	81,609	8,004,194	12,563,320
All other industries ⁶	10	865	2,420,607	108,296	6,722,396	13,269,589
Totals	23	1,672	4,484,224	189,905	14,726,590	25,832,909
Printing, Publishing and Allied Industries:						
Engraving, electrotyping and stereotyping	6	130	502,829	6,950	119,462	859,114
Printing and bookbinding	51	583	1,665,333	46,115	2,500,530	5,323,055
Publishing (only) of periodicals	18	258	78,823	—	201,731	350,456
All other industries ⁷	9	631	1,969,676	38,187	2,013,542	5,913,265
Totals	84	1,602	4,216,661	91,252	4,835,265	12,445,890
Iron and Steel Products:						
Boilers and plate work	3	82	230,357	11,084	211,340	899,483
Hardware, tools and cutlery	20	893	2,412,973	110,463	2,414,569	6,770,650
Heating and cooking apparatus	3	56	141,231	8,360	148,575	340,706
Iron castings	5	510	1,580,353	76,361	3,642,407	6,464,146
Machine shops	12	145	378,832	8,783	254,603	926,279
Machine tools	3	894	2,468,515	59,774	1,367,193	4,158,971
Machinery, household, office and store	5	845	2,258,099	42,203	2,573,677	5,330,207
Machinery, industrial	9	1,075	3,689,698	181,663	5,086,261	11,410,689
Miscellaneous iron and steel products	12	98	206,328	12,091	390,547	739,915
Primary iron and steel	11	11,724	40,832,560	11,758,410	102,202,870	188,501,778
Sheet metal products	19	1,523	4,553,195	225,899	11,238,490	19,125,110
Wire and wire goods	18	3,017	9,745,497	487,116	10,928,705	36,092,254
All other industries ⁸	3	3,910	12,493,572	595,549	18,550,770	34,596,558
Totals	123	24,772	80,991,410	13,577,756	159,010,007	315,356,746

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1931 - Continued

HAMILTON METROPOLITAN AREA - Concluded

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost of materials	Gross value of products
	No.	No.	\$	\$	\$	\$
Transportation Equipment:⁹						
Totals	8	2,070	8,921,392	608,820	31,970,342	53,836,148
Non-ferrous Metal Products:						
Brass and copper products.....	10	487	1,648,798	76,047	4,275,606	7,790,612
Jewellery and silverware.....	6	352	1,010,551	28,687	1,148,911	2,066,723
All other industries ¹⁰	8	373	1,144,982	93,025	2,411,801	4,496,651
Totals	24	1,212	3,804,331	197,759	7,836,318	14,353,986
Electrical Apparatus and Supplies:¹¹						
Totals	24	10,473	29,678,520	896,189	33,389,499	87,881,092
Non-metallic Mineral Products:						
Cement products.....	15	299	761,557	122,203	970,918	2,426,076
Clay products from domestic clay.....	6	156	436,699	172,978	12,551	986,712
Clay products from imported clay.....	6	774	2,072,878	242,582	1,260,871	4,781,004
Miscellaneous non-metallic mineral products.....	4	36	106,223	116,369	159,332	570,794
Stone products.....	7	107	342,606	23,771	308,457	1,064,702
All other industries ¹²	11	1,055	3,192,837	678,588	3,794,970	11,525,927
Totals	49	2,427	6,912,800	1,356,491	6,507,099	21,355,215
Products of Petroleum and Coal:¹³						
Totals	6	772	2,419,439	1,468,448	14,201,383	27,631,860
Chemicals and Allied Products:						
Miscellaneous chemical products.....	10	200	690,795	53,049	2,811,406	5,187,397
Polishes and dressings.....	4	49	115,805	5,121	300,052	586,516
Toilet preparations.....	3	74	169,010	2,285	320,312	1,000,345
All other industries ¹⁴	18	1,030	3,469,076	438,158	20,861,516	30,747,483
Totals	35	1,353	4,444,686	498,613	24,293,286	37,521,741
Miscellaneous Manufacturing Industries:						
Brooms, brushes and mops.....	6	302	671,251	16,724	1,177,641	2,526,870
Ice, artificial.....	3	32	79,415	10,671	3,668	116,714
Patterns and models.....	4	24	89,321	1,332	25,875	201,155
Plastic products.....	5	83	145,975	1,844	234,394	449,967
Scientific and professional equipment.....	3	12	27,299	615	10,910	42,291
Sporting goods.....	4	16	22,320	620	28,726	61,960
Toys and games.....	4	37	71,108	57	203,808	402,562
All other industries ¹⁵	6	76	189,527	11,458	207,502	492,420
Totals	35	582	1,296,216	43,321	1,892,524	4,293,939
All other Major Groups:						
Totals	5	2,113	6,948,853	330,381	25,142,089	50,128,859
Grand Total, Metropolitan Hamilton	650	62,084	181,760,616	20,922,630	405,198,540	782,021,632

1. Includes: Sausage and sausage casings, 1; butter and cheese, 2; flour mills, 1; distilled liquors, 1; wines, 1; macaroni and kindred products, 1.

2. Includes: Footwear, 3; belting, 2; miscellaneous leather products, 3.

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

4. Includes: Corsets, 1; hats and caps, 2.

5. Includes: Hardwood flooring, 1; sawmills, 2; coffins and caskets, 2; woodturning, 1; cooperage, 1.

6. Includes: Roofing paper, 2; miscellaneous paper goods, 8.

7. Includes: Trade composition, 2; lithographing, 2; printing and publishing, 5.

8. Includes: Agricultural implements, 2; bridge building and structural steel, 1.

9. Includes: Boatbuilding, 3; motor vehicles, 1; motor vehicle parts, 1; railway rolling stock, 3.

10. Includes: Aluminum products, 4; miscellaneous non-ferrous metal products, 2; white metal alloys, 2.

11. Includes: Batteries, 2; heavy electrical machinery, 2; miscellaneous electrical apparatus and supplies, 9; radios and radio parts, 5; refrigerators, vacuum cleaners and appliances, 6.

12. Includes: Abrasive products, 3; asbestos products, 2; glass and glass products, 6.

13. Includes: Coke and gas products, 4; lubricating oils and greases, 2.

14. Includes: Acids, alkalies and salts, 1; fertilizers, 1; medicinal and pharmaceutical preparations, 2; paints, varnishes and lacquers, 2; soaps, washing compounds and cleaning preparations, 8; vegetable oils, 1; coal tar distillation, 1; gases, compressed, 2.

15. Includes: Other miscellaneous industries, 1; signs, electric, neon and other, 1; stamps and stencils, rubber and metal, 2; statuary, art goods and novelties, 2.

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1951 - Continued

WINDSOR METROPOLITAN AREA

Industry	Estab- lish- ments	Employees	Salaries and Wages	Cost of Fuel and Electricity	Cost of Materials	Gross Value of Products
	No.	No.	\$	\$	\$	\$
Foods and Beverages:						
Aerated waters	6	104	249,882	28,576	529,467	1,271,836
Bread and other bakery products	21	544	1,175,999	108,711	1,693,088	3,666,489
Breweries	3	278	881,811	69,828	1,422,595	4,164,779
Butter and cheese	4	404	1,229,465	134,543	2,794,313	4,915,010
Fruit and vegetable preparations	5	281	437,857	22,063	1,016,587	1,968,709
Miscellaneous food preparations	5	40	59,576	20,877	212,388	369,171
Prepared stock and poultry feeds	3	41	90,860	10,891	423,815	711,951
Slaughtering and meatpacking	3	141	367,246	36,332	4,338,992	4,852,314
All other industries ¹	7	947	2,794,160	304,239	10,930,849	31,409,246
Totals	57	2,780	7,286,856	736,060	23,362,094	53,329,505
Textile Products (Except Clothing)²:						
Totals	7	861	2,342,158	68,648	4,641,090	8,636,953
Clothing (Textile and Fur)³:						
Totals	6	197	379,040	7,216	848,771	1,492,888
Wood Products:						
Furniture	13	93	254,470	11,683	710,213	1,144,549
Miscellaneous wood products	4	6	7,523	710	16,130	30,963
Sash, door and planing mills	11	87	200,732	14,568	237,512	553,180
All other industries ⁴	5	156	292,340	9,379	760,756	1,356,586
Totals	33	342	755,065	36,340	1,724,611	3,085,278
Printing, Publishing and Allied Industries:						
Printing and bookbinding	26	242	675,136	18,503	541,162	1,647,710
Publishing (only) of periodicals	7	10	10,821	—	37,065	52,427
All other industries	5	415	1,460,328	27,593	1,217,576	4,087,719
Totals	38	667	2,146,285	46,096	1,795,803	5,787,856
Iron and Steel Products:						
Hardware, tools and cutlery	17	604	2,226,384	61,982	1,767,350	5,843,797
Iron castings	7	1,060	3,421,574	290,629	3,340,851	8,808,338
Machine shops	4	81	234,111	8,730	116,087	515,950
Machinery, industrial	10	519	1,627,882	31,538	1,358,015	6,429,953
Miscellaneous iron and steel products	10	668	2,723,527	341,241	6,192,250	11,943,607
Sheet metal products	6	425	1,409,902	47,781	3,261,754	6,030,866
Wire and wire goods	3	577	2,038,087	123,757	3,373,801	7,369,411
All other industries ⁵	8	1,538	5,254,755	152,941	6,059,629	17,435,111
Totals	65	5,472	18,936,222	1,058,599	25,469,737	64,377,033
Transportation Equipment⁶:						
Totals	26	22,311	73,567,032	1,880,334	284,424,676	457,001,290

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1951 — Continued

WINDSOR METROPOLITAN AREA — Concluded

Industry	Estab- lish- ments	Employees	Salaries and Wages	Cost of Fuel and Electricity	Cost of Materials	Gross Value of Products
	No.	No.	\$	\$	\$	\$
Non-ferrous Metal Products:						
Brass and copper products.....	5	142	424,955	12,617	667,173	1,732,916
Jewellery and silverware.....	3	37	107,720	770	102,728	283,578
All other industries ⁷	4	19	40,120	3,311	523,458	616,391
Totals	12	198	572,795	16,698	1,293,359	2,632,885
Electrical Apparatus and Supplies:						
Totals	3	110	274,905	17,662	796,601	1,472,061
Non-metallic Mineral Products:						
Cement products.....	7	205	459,597	126,223	1,040,179	2,500,283
Glass and glass products.....	5	106	322,575	43,559	560,775	1,590,030
All other industries.....	5	247	656,216	365,259	748,455	3,072,943
Totals	17	558	1,438,388	535,041	2,349,409	7,163,256
Chemicals and Allied Products:						
Medicinal and pharmaceutical preparations.....	10	946	2,806,578	65,882	5,065,143	16,515,984
Miscellaneous chemical products.....	6	33	95,413	11,932	352,283	982,186
Paints, varnishes and lacquers.....	4	157	436,361	28,340	1,354,353	2,322,992
Soaps, washing compounds and cleaning preparations.....	6	403	1,280,377	1,026,660	400,677	4,802,568
Vegetable oils.....	4					
All other industries.....	2					
Totals	32	1,539	4,618,729	1,132,814	7,172,456	24,623,730
Miscellaneous Manufacturing Industries:						
Ice, artificial.....	3	81	227,196	31,272	8,839	411,841
Patterns and models.....	4	33	120,409	2,115	22,057	183,255
Sporting goods.....	5	26	55,317	1,672	131,241	251,097
Statuary, art goods and novelties.....	3	12	11,932	125	6,401	20,683
All other industries ⁸	9	226	556,008	18,583	720,472	1,834,033
Totals	24	378	970,862	53,767	889,010	2,700,909
All other Major Groups⁹:						
Totals	4	198	528,898	12,008	2,164,438	3,336,020
Grand Totals, Metropolitan Windsor.....	324	35,611	113,817,235	5,601,283	356,932,055	635,639,604

1. Includes: sausage and sausage casings, 2; other dairy products, 1; feed mills, 1; breakfast foods, 1; distilled liquors, 1; confectionery, 1.
2. Includes: miscellaneous cotton goods, 1; awnings, tents and sails, 1; bags, cotton and jute, 1; automobile, accessories, fabric, 2; miscellaneous textiles, 2.

3. Includes: clothing, children's, 1; clothing men's factory, 1; fur goods, 3; miscellaneous clothing, 1.

4. Includes: boxes and baskets, wood, 2; coffins and caskets, 1; woodturning, 2.

5. Includes: agricultural implements, 1; bridge building and structural steel, 2; heating and cooking apparatus, 1; machinery, household, office and store, 2; machine tools, 1; primary iron and steel, 1;

6. Includes: motor vehicles, 3; motor vehicles parts, 23.

7. Includes: aluminium products, 3; white metal alloys, 1.

8. Includes: plastic products, 1; musical instruments, 1; scientific and professional equipment, 1; toys and games, 1; buttons, buckles and fasteners, 1; artificial flowers and feathers, 1; pipes, lighters and smokers' supplies, 1; signs, electric, neon and other, 1; stamps and stencils, rubber and metal, 1.

9. Includes: Rubber Products, 2; Paper Products—boxes and bags, 1; miscellaneous paper goods, 1.

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1951 - Continued

WINNIPEG METROPOLITAN AREA

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost of materials	Gross value of products
	No.	No.	\$	\$	\$	\$
Foods and Beverages:						
Aerated waters	11	289	655,666	95,702	1,568,050	4,564,450
Bread and other bakery products	52	1,120	2,714,811	302,087	4,879,155	9,887,627
Breweries	6	566	1,778,879	153,859	1,996,514	9,243,149
Butter and cheese	10	1,050	2,661,145	221,260	7,896,939	12,939,990
Confectionery	12	309	504,721	27,331	1,305,924	2,557,176
Feed mills	5	50	128,721	7,280	425,146	485,129
Flour mills	3	497	1,111,681	142,133	23,895,025	27,157,722
Fruit and vegetable preparations	8	209	392,879	29,103	1,637,070	2,271,280
Macaroni and kindred products	3	48	116,972	11,201	391,598	741,031
Miscellaneous food preparations	22	630	1,580,005	362,095	16,005,248	20,888,471
Prepared stock and poultry feeds	18	201	466,020	57,730	5,330,317	6,493,343
Sausage and sausage casings	6	102	244,539	21,471	1,796,767	2,173,237
Slaughtering and meatpacking	13	2,593	8,054,781	442,181	95,942,228	113,181,671
All other industries ¹	9	623	1,586,002	277,765	6,155,954	12,006,873
Totals	178	8,287	21,996,822	2,151,198	169,225,935	224,591,149
Leather Products:						
Footwear	6	257	419,807	8,243	1,416,294	2,134,815
Gloves and mittens	10	245	414,083	5,199	904,852	1,612,063
Miscellaneous leather products ²	13	214	367,495	19,358	1,414,169	2,052,823
Totals	29	716	1,201,385	32,800	3,735,315	5,799,701
Textile Products (Except Clothing):						
Awnings, tents and sails	5	42	78,561	3,768	214,105	339,324
Bags, cotton and jute	4	206	444,065	19,437	7,467,042	8,180,784
Miscellaneous textiles	7	72	146,469	3,138	463,929	705,410
All other industries ³	6	482	894,165	26,828	524,343	2,295,986
Totals	22	802	1,563,260	53,171	8,669,419	11,521,504
Clothing (Textile and Fur):						
Clothing, children's	6	257	439,239	6,624	918,589	1,771,322
Clothing, men's factory	37	2,294	4,187,213	59,554	9,641,154	17,147,012
Clothing, women's factory	32	1,764	3,359,108	38,569	6,444,104	11,414,005
Fur dressing and dyeing	5	203	479,419	12,175	125,081	727,829
Fur goods	60	727	1,650,117	25,358	3,955,205	6,235,843
Hats and caps	12	314	526,079	6,941	690,759	1,625,378
Knitted goods	5	185	334,592	7,744	839,773	1,384,496
All other industries ⁴	5	118	151,405	3,069	38,709	273,439
Totals	162	5,862	11,127,172	160,034	22,653,374	40,579,324
Wood Products:						
Boxes and baskets, wood	3	168	327,608	16,863	534,703	1,014,406
Furniture	81	1,347	3,136,673	102,261	6,250,148	11,273,713
Miscellaneous wood products	11	123	254,939	28,301	1,405,205	1,905,683
Sash, door and planing mills	18	539	1,264,933	38,102	2,251,164	4,081,062
All other industries ⁵	3	74	174,602	8,022	355,236	646,428
Totals	116	2,251	5,158,755	193,549	10,796,456	18,921,292
Paper Products:						
Boxes and bags, paper	8	579	1,522,357	46,336	5,096,229	8,618,299
Miscellaneous paper goods ⁶	8	230	515,140	90,649	1,304,458	3,335,290
Roofing paper	4	155	387,092	46,201	1,810,073	3,834,987
Totals	20	964	2,424,589	183,186	8,210,760	15,788,576
Printing, Publishing and Allied Industries:						
Engraving, electrotyping and stereotyping	6	205	665,619	12,393	137,980	1,062,281
Printing and bookbinding ⁷	72	1,683	3,913,816	81,346	3,328,822	9,893,570
Printing and publishing	25	1,310	3,324,103	89,662	3,093,104	9,867,473
Publishing (only) of periodicals	101	170	316,392	—	988,018	1,739,835
Trade composition	3	11	24,110	670	10,525	42,973
Totals	207	3,379	8,244,040	184,071	7,558,449	22,606,137
Iron and Steel Products:						
Agricultural implements	12	427	1,138,010	55,891	1,768,831	4,065,292
Hardware, tools and cutlery	4	15	26,620	1,924	29,038	75,160
Heating and cooking apparatus	4	108	310,971	9,884	1,063,341	1,623,377
Iron castings	7	717	2,012,382	92,461	1,626,617	4,607,931
Machine shops	22	208	502,959	19,395	206,585	1,118,698
Machinery, industrial	10	363	958,796	34,556	951,641	2,638,191
Miscellaneous iron and steel products	8	553	1,598,646	77,764	1,708,523	4,202,259
Sheet metal products	17	873	2,147,161	79,600	3,715,333	7,766,172
All other industries	7	596	1,808,815	124,078	2,664,718	9,525,861
Totals	91	3,860	10,504,360	495,553	13,734,632	35,622,941

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1951 — Continued

WINNIPEG METROPOLITAN AREA — Concluded

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost of materials	Gross value of products
	No.	No.	\$	\$	\$	\$
Transportation Equipment:						
Boatbuilding	3	9	13,975	1,179	24,658	50,347
Motor vehicle parts	7	155	295,874	14,183	345,374	781,897
Railway rolling stock	4	6,065	16,696,467	573,091	18,188,726	35,949,321
All other industries ⁸	4	958	2,232,968	127,514	2,080,112	5,382,920
Totals	18	7,187	19,239,284	715,967	20,638,870	42,164,485
Non-ferrous Metal Products:						
Aluminum products	3	11	19,685	275	45,713	70,459
Brass and copper products	5	160	418,994	45,587	1,877,204	2,945,374
Jewellery and silverware	3	47	93,709	1,627	145,962	295,129
Miscellaneous non-ferrous metal products ⁹	6	64	137,637	19,192	1,530,740	1,872,598
Totals	17	282	670,025	66,681	3,599,619	5,183,560
Electrical Apparatus and Supplies:						
Miscellaneous electrical apparatus and supplies	8	147	347,069	17,725	957,114	1,661,624
Refrigerators, vacuum cleaners and appliances	5	113	195,557	5,165	270,675	927,812
All other industries ¹⁰	4	401	900,240	44,109	2,603,047	4,708,306
Totals	17	661	1,442,866	66,999	3,830,836	7,297,742
Non-metallic Mineral Products:						
Cement products	5	101	203,761	24,166	296,731	874,894
Glass and glass products	4	38	98,695	2,690	77,062	249,537
Miscellaneous non-metallic mineral products	3	31	108,663	9,175	120,116	326,390
Stone products	4	27	62,405	4,963	52,405	134,900
All other industries ¹¹	7	416	1,178,342	1,169,565	2,572,921	8,417,181
Totals	23	613	1,651,866	1,210,559	3,119,235	10,002,902
Products of Petroleum and Coal¹²:						
Totals	5	460	1,334,806	905,346	15,427,726	17,881,110
Chemicals and Allied Products:						
Glass, compressed	3	81	217,428	22,187	144,472	918,065
Medicinal and pharmaceutical preparations	9	159	333,207	10,887	709,424	1,709,010
Miscellaneous chemical products	7	80	174,238	5,189	710,620	1,479,860
Paints, varnishes and lacquers	5	223	510,489	33,228	2,697,430	4,562,752
Soaps and cleaning preparations	6	28	56,654	6,619	159,319	252,199
Toilet preparations	3	23	33,577	853	47,255	108,685
All other industries ¹³	7	61	124,836	25,440	958,831	1,337,818
Totals	40	655	1,450,429	104,403	5,427,351	10,368,389
Miscellaneous Manufacturing Industries:						
Brooms, brushes and mops	5	91	189,685	4,471	386,382	649,321
Lamps, electric, and lamp shades	3	16	23,108	1,400	81,546	136,253
Plastic products	3	11	17,466	448	99,388	158,389
Scientific and professional equipment	9	72	154,198	7,203	112,419	350,503
Signs, electric, neon and other	6	147	356,714	44,616	182,930	1,078,955
Stamps and stencils, rubber and metal	5	16	39,999	484	17,316	73,169
Statuary, art goods and novelties	8	135	189,971	4,856	93,960	413,797
All other industries ¹⁴	8	111	256,798	17,186	116,754	639,516
Totals	47	599	1,227,939	80,664	1,090,695	3,499,903
Grand Totals, Metropolitan Winnipeg	992	36,578	89,237,598	6,604,181	297,718,672	471,828,715

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

2. Also: Leather tanneries, 1.

3. Includes: Automobile accessories, fabric, 2; embroideries, hemstitching, etc., 2; carpets, mats and rugs, 1; woolen cloth, 1.

4. Includes: Clothing contractors, men's, 1; clothing contractors, women's, 2; miscellaneous clothing, 2.

5. Includes: Coffins and caskets, 1; excelsior, 1; cooperage, 1.

6. Also: Pulp and paper, 1.

7. Also: Lithographing, 2.

8. Includes: Aircraft and parts, 2; motor vehicles, 2;

9. Also: White metal alloys, 2.

10. Includes: Batteries, 2; heavy electrical machinery, 2.

11. Includes: Cement, Portland, 1; clay products from domestic clay, 1; sand-lime brick, 1; lime, 2; gypsum products, 2.

12. Includes: Coke and gas products, 1; petroleum refining and products, 4.

13. Includes: Vegetable oils, 2; inks, writing and printing, 2; coal tar distillation, 2; adhesives, 1.

14. Includes: Clocks, watches and watch cases, 2; sporting goods, 1; toys and games, 1; artificial flowers and feathers, 1; patterns and models,

1; ice, artificial, 1. Also: rubber products, 1.

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1951 - Continued

VANCOUVER METROPOLITAN AREA

Industry	Estab- lish- ments	Employees	Salaries and Wages	Cost of Fuel and Electricity	Cost of Materials	Gross Value of Products
	No.	No.	\$	\$	\$	\$
Foods and Beverages:						
Aerated waters.....	8	210	482,144	81,153	975,289	3,201,924
Biscuits.....	4	147	341,750	28,447	799,378	1,688,133
Bread and other bakery products.....	125	1,612	4,109,197	357,746	6,925,399	14,001,318
Breakfast foods.....	3	13	22,170	1,010	69,702	92,421
Breweries.....	3	442	1,279,804	123,772	1,892,461	8,644,533
Butter and cheese.....	11	1,316	3,594,524	402,695	9,490,578	15,000,036
Confectionery.....	23	255	466,364	27,581	776,630	1,627,551
Fish processing.....	27	2,114	5,677,332	464,739	27,303,086	42,914,171
Fruit and vegetable preparations.....	20	1,025	1,995,721	109,362	9,491,290	13,847,803
Macaroni and kindred products.....	3	31	49,338	9,410	77,048	150,303
Miscellaneous food preparations.....	41	757	1,540,134	115,457	30,061,692	36,426,083
Other dairy products.....	6	110	243,808	50,292	1,023,671	1,611,664
Prepared stock and poultry feeds.....	10	436	1,069,534	89,334	8,357,375	10,597,583
Sausages and sausage casings.....	6	81	232,060	18,937	1,415,321	1,807,315
Slaughtering and meatpacking.....	10	1,368	4,260,302	283,778	52,810,608	59,072,992
All other industries ^{1,2}	8	1,362	3,701,582	488,073	19,074,299	30,585,229
Totals.....	308	11,279	29,065,764	2,651,786	170,543,827	241,269,059
Rubber Products:						
Totals.....	4	35	85,959	7,619	28,427	167,272
Leather Products:						
Footwear.....	9	234	473,481	16,373	1,101,492	1,879,156
Gloves and mittens.....	4	82	160,527	1,670	297,305	506,802
Miscellaneous leather products ³	10	158	309,659	15,639	676,729	1,324,803
Totals.....	23	474	943,667	33,682	2,075,526	3,710,761
Textile Products (Except Clothing):						
Awnings, tents and sails.....	6	148	304,125	15,343	614,630	1,062,865
Miscellaneous textiles.....	4	34	57,081	6,407	188,263	315,121
Oilcloth, linoleum and other coated fabrics.....	3	15	36,795	3,839	106,774	165,840
Woollen cloth.....	3	197	426,606	35,524	1,225,095	1,723,817
All other industries ⁴	9	182	475,015	23,228	2,368,472	3,340,860
Totals.....	25	576	1,299,622	84,341	4,503,234	6,608,593
Clothing (Textile and Fur):						
Clothing, men's factory.....	17	514	861,235	17,245	1,939,345	3,570,926
Clothing, women's factory.....	24	628	1,223,741	16,376	1,884,844	3,794,410
Fur goods.....	21	125	240,063	5,883	281,030	619,585
All other industries ⁵	7	270	460,520	9,017	817,351	1,621,722
Totals.....	69	1,537	2,785,559	48,521	4,922,570	9,606,643
Wood Products:						
Boxes and baskets, wood.....	10	59	120,786	3,869	175,360	371,086
Coffins and caskets.....	6	70	149,197	6,901	467,503	820,116
Furniture.....	124	1,716	4,163,701	147,136	6,191,867	13,085,372
Miscellaneous wood products.....	31	479	1,465,179	118,976	5,305,014	8,981,348
Plywoods and veneers.....	10	2,855	8,277,036	216,171	16,221,017	37,272,200
Sash, door and planing mills.....	63	1,053	2,784,458	113,378	5,963,718	10,459,281
Sawmills.....	133	11,348	35,551,167	1,208,617	84,906,215	158,160,807
Woodenware.....	4	86	170,075	6,606	195,289	421,202
Woodturning.....	3	79	211,879	6,920	368,879	654,756
All other industries ⁶	4	72	214,648	7,118	409,129	678,785
Totals.....	388	17,817	53,108,126	1,835,692	120,203,991	230,904,953
Paper Products:						
Boxes and bags, paper.....	11	666	1,722,678	60,767	7,176,978	11,513,096
Miscellaneous paper goods.....	12	600	1,509,401	42,610	7,088,585	10,582,333
All other industries.....	5	457	2,012,654	264,381	3,559,765	6,123,569
Totals.....	28	1,723	5,244,733	367,758	17,825,328	28,218,998
Printing, Publishing and Allied Industries:						
Engraving, electrotyping and stereotyping.....	8	162	592,073	12,516	189,640	961,228
Lithographing.....	9	277	853,609	18,015	769,437	2,007,996
Printing and bookbinding.....	93	962	2,537,597	65,409	1,845,710	5,529,849
Printing and publishing.....	20	1,720	5,174,902	84,297	3,723,320	13,287,886
Publishing (only) of periodicals.....	116	460	519,003	—	1,070,565	2,539,717
Trade composition.....	3	29	75,693	2,326	9,497	101,129
Totals.....	249	3,610	9,752,877	182,563	7,608,169	24,427,805
Iron and Steel Products:						
Boilers and plate work.....	8	262	973,594	42,741	1,325,511	2,845,832
Hardware, tools and cutlery.....	11	337	942,242	59,522	1,174,400	2,923,372
Heating and cooking apparatus.....	13	255	651,628	24,336	542,256	1,534,131
Iron castings.....	13	434	1,249,786	88,102	953,061	2,747,547
Machine shops.....	40	446	1,330,059	40,337	995,448	3,229,750
Machinery, industrial.....	39	2,117	6,506,749	218,682	6,320,153	17,822,498
Miscellaneous iron and steel products.....	26	268	829,937	67,840	1,522,245	3,073,367
Primary iron and steel.....	6	560	1,774,145	285,532	3,790,606	7,207,399
Sheet metal products.....	24	853	2,584,178	123,430	9,380,535	14,663,140
Wire and wire goods.....	11	404	1,137,782	42,951	3,816,308	6,666,648
All other industries ⁷	6	971	3,220,620	127,786	7,360,077	15,688,715
Totals.....	197	6,907	21,200,720	1,121,259	37,180,600	78,402,399

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1951 - Concluded

VANCOUVER METROPOLITAN AREA - Concluded

Industry	Estab- lish- ments	Employees	Salaries and Wages	Cost of Fuel and Electricity	Cost of Materials	Gross Value of Products
	No.	No.	\$	\$	\$	\$
Transportation Equipment:						
Boatbuilding.....	29	190	490,693	8,906	412,022	1,078,244
Motor vehicle parts	14	275	790,526	30,152	1,473,960	3,160,056
Shipbuilding	18	2,145	6,980,951	199,594	3,697,703	13,458,617
All other industries	4	318	891,097	51,024	1,130,477	2,407,596
Totals	65	2,925	9,153,267	289,676	6,714,162	20,104,513
Non-ferrous Metal Products:						
Aluminum products.....	4	82	221,551	9,087	151,082	484,192
Brass and copper products.....	14	180	573,154	24,042	562,545	1,418,596
Jewellery and silverware	9	111	260,429	2,526	205,932	577,754
White metal alloys	4	72	184,160	18,020	1,399,647	1,891,417
Totals	31	445	1,239,294	53,675	2,319,206	4,371,959
Electrical Apparatus and Supplies:						
Batteries.....	5	43	100,946	8,822	389,963	619,702
Miscellaneous electrical apparatus and supplies	8	139	340,927	13,450	912,241	1,511,896
Radios and radio parts	7	99	281,270	5,824	334,930	800,072
All other industries	4	208	705,328	11,592	1,142,669	2,420,079
Totals	24	489	1,428,471	39,688	2,779,803	5,351,749
Non-metallic Mineral Products:						
Cement products.....	14	333	924,911	58,832	1,297,016	2,613,653
Glass and glass products	9	90	223,861	12,508	178,102	373,356
Miscellaneous non-metallic mineral products.....	4	40	99,332	7,436	107,881	257,143
Stone products	6	95	251,181	16,689	252,451	668,357
All other industries ⁸	4	55	159,046	19,768	52,077	241,802
Totals	37	613	1,658,331	115,233	1,887,527	4,154,311
Products of Petroleum and Coal⁹:						
Totals	7	819	2,731,873	1,351,065	29,957,089	46,036,937
Chemical and Allied Products:						
Fertilizers.....	3	25	70,911	3,961	336,134	534,717
Gases, compressed	3	89	244,626	30,744	192,926	1,288,610
Medicinal and pharmaceutical preparations	4	24	60,159	1,333	113,695	270,839
Miscellaneous chemical products	12	63	146,229	2,737	355,126	689,958
Paints, varnishes and lacquers	10	203	589,007	29,495	2,044,104	3,711,144
Polishes and dressings	3	6	6,969	1,325	5,818	20,017
Soaps, washing compounds and cleaning preparations	12	79	163,754	5,378	273,917	861,469
Toilet preparations	5	10	8,460	1,610	12,044	37,325
All other industries ¹⁰	10	146	424,299	74,053	8,661,431	10,246,232
Totals	62	645	1,714,414	150,636	11,995,195	17,660,311
Miscellaneous Manufacturing Industries:						
Brooms, brushes and mops	4	105	222,786	4,539	315,983	673,708
Ice, artificial	6	108	293,945	63,792	12,904	674,149
Lamps, electric, and lamp shades	3	97	167,198	12,218	183,404	413,034
Patterns and models	5	32	102,932	1,089	27,801	153,731
Plastic products.....	6	45	83,639	2,219	117,539	259,751
Scientific and professional equipment	5	11	22,429	594	16,140	49,189
Signs, electric, neon and other	8	300	986,336	20,438	712,851	3,162,274
Sporting goods	8	78	141,262	4,411	165,186	388,964
Stamps and stencil, rubber and metal	7	61	152,929	4,536	68,982	346,276
Statuary, art goods and novelties	9	44	64,333	1,533	33,785	126,190
Umbrellas	3	19	31,892	879	96,563	180,579
All other industries ¹¹	4	15	24,504	1,028	17,761	69,228
Totals	68	915	2,294,185	117,276	1,768,899	6,497,073
Grand Totals Metropolitan Vancouver.....	1,585	50,809	143,706,862	8,450,470	422,313,553	727,493,246

1. Includes: animal oils and fats, 2; flour mills, 1; distilled liquors, 2; wines, 1; sugar refining, 1.

2. Also Tobacco and Tobacco Products Group, 1.

3. Includes: leather tanneries, 2.

4. Includes: cotton yarn and cloth, 1; miscellaneous cotton goods, 1; miscellaneous woollen goods, 2; cordage, rope and twine, 1; bags, cotton and jute, 2; embroideries, pleating, hemstitching, etc., 2.

5. Includes: hosiery, 2; knitted goods, 2; hats and caps, 1; gloves and mittens, fabric, 1; miscellaneous clothing, 1.

6. Includes: hardwood flooring, 1; beekeepers' and poultrymen's supplies, 1; cooperage, 2.

7. Includes: agricultural implements, 2; bridge building and structural steel, 2; machinery, household, office and store, 2.

8. Includes: heavy electrical machinery, 2; refrigerators, vacuum cleaners and appliances, 2.

9. Includes: coke and gas products, 1; petroleum refining and products, 6.

10. Includes: acids, alkalis and salts, 1; vegetable oils, 1; primary plastics, 2; inks, writing and printing, 2; coal tar distillation, 1; adhesives, 3.

11. Includes: musical instruments, 1; fountain pens and pencils, 1; hair goods, 2.

APPENDIX II

Alphabetical List of the Products Reported as having been Manufactured in Canada in 1951

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 37,021 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 the manufacturer, would have been included in the values of commodities appearing on the list. However, the products not specified total only about 1.5 per cent in value of the whole manufacturing production, although in the iron and steel group this proportion is 4.1 per cent and in transportation equipment 3.5 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.

Alphabetical list of products manufactured in Canada, 1951

Items	Unit of measure	Quantity	Value
			\$
Abrasive cloth	—	—	1
Abrasive paper	—	—	1
Abrasive wheels and segments	—	—	1
Absorbent cotton	—	—	5,655,676
Accelerators, synthetic	—	—	1
Acetaldehyde	—	—	1
Acetic anhydride	—	—	1
Acetone	—	—	1
Acetylene in cylinders or pipe line	—	—	1
Acid, acetic, glacial, 99½%	cu. ft.	286,225,712	5,128,120
Acid, calcium phosphate	—	—	1
Acid, cresylic	—	—	1
Acid, fatty, coconut, tallow, etc.	lb.	6,537,327	1,071,274
Acid, hydrochloric (muriatic)	—	—	1
Acid, monochloro acetic	—	—	1
Acid, nitric	—	—	1
Acid, phosphoric	—	—	1
Acid, stearic	—	—	1
Acid, sulphuric	lb.	1,489,328,994	7,823,071
Acids, not specified	—	—	39,907
Adhesives, n.e.s.	—	—	1,078,731
Advertising matter, printed, n.e.s.	—	—	34,978,343
Advertising novelties and displays (See "Displays" and "Novelties")	—	—	—
Agitators, mining and metallurgical	—	—	66,534
Agricultural implements and parts, n.e.s.	—	—	15,973,280
Air conditioning equipment, n.e.s.	—	—	5,937,186
Aircraft and parts:			
Aircraft completed during the year	—	—	34,701,964
Aircraft being built but not completed	—	—	39,109,841
Aircraft repairs (value of work done)	—	—	14,974,438
Aircraft parts manufactured	—	—	19,162,911
Value of work done on developing aircraft and engines, including other products, n.e.s.	—	—	20,530,595
Value of work done in 1950 on aircraft completed in 1951	—	—	12,833,383
Albumen, (included in "Egg substitute")	—	—	—
Alcohol, butyl	—	—	1
Alcohol, industrial, produced	pf. gal.	7,252,410	2,853,435
Alcohol, industrial, (sold)			
Denatured:			
Antifreeze	st. gal.	932,266	1,298,890
Perfume manufacturing	" "	203,158	256,659
Rubbing alcohol	" "	119,456	155,025
Solvents and cleaning fluids	" "	1,638,801	1,968,156
Other, including that for hospitals, research, etc.	" "	314,865	422,319
Not denatured	pf. gal.	4,331,500	2,955,204
Alcohol, polyvinyl	—	—	1
Alkylate	—	—	1
Alkylation feed stocks	imp. gal.	3,508,566	371,609
Alloys, cutting	—	—	1
Alloy, die casting	lb.	16,462,162	3,766,654
Almond paste	" "	87,060	32,542
Alumina, fused (crude)	ton	195,374	20,835,165
Alumina, fused (abrasive grains)	—	—	1
Alumina, hydrate	—	—	1
Aluminum bars, rods and ingots	—	—	1
Aluminum fluoride	—	—	1
Aluminum sulphate	—	—	1
Aluminum products, not elsewhere specified	—	—	10,748,387
Ammonia, anhydrous	—	—	1
Ammonia, aqua	—	—	1
Ammonia, powder	lb.	2,384,860	170,110
Ammonium chloride	—	—	1
Ammonium hydroxide	—	—	1
Ammonium nitrate	—	—	1
Ammonium phosphate	—	—	1
Ammonium sulphate	ton	209,527	8,984,551
Ammunition (See "Munitions and war supplies")	—	—	1
Amyl acetate	—	—	1
Anti-freeze preparations, glycol type	gal.	3,076,856	8,754,170
Anti-freeze, alcohol type (See "Alcohol, industrial, denatured, sold")	—	—	—
Apple butter	lb.	66,531	6,460
Apple juice (Included in "Fruit Juices")	—	—	1
Apple juice concentrate	—	—	1
Apple pomace, chop and waste	lb.	3,895,906	113,858
Apples, evaporated and dehydrated	" "	1,507,484	318,892
Aprons, oiled and rubberized	doz.	6,145	141,237
Aprons, fabric:			
Children's	" "	5,556	29,748
Men's and youths'	" "	16,651	176,813
Women's and misses'	" "	111,859	731,822
Not specified	" "	7,369	104,138
Aprons, plastic	" "	161,263	589,253
Archery tackle	—	—	42,551
Armlets and sleeve supporters	doz.	19,272	31,697
Artists' supplies	—	—	203,870
Artware, pottery (See also "Pottery")	—	—	188,289
Art needlework	—	—	188,596
Art work (printing)	—	—	2,870,252
Asbestos products, including clutch facings	—	—	7,977,577
Asphalt	imp. gal.	172,037,953	21,217,879

1. Indicates that the commodity was reported by only one or two concerns.

Alphabetical list of products manufactured in Canada, 1951 - Continued

Item	Unit of measure	Quantity	Value
			\$
Asphalt emulsion	gal.	12, 159, 226	1, 805, 324
Asphalt products, n.e.s.	—	—	1, 001, 075
Atomizers	—	—	1
Automobiles, commercial:			
5,000 lbs. or less:	No.	50, 065	63, 902, 845
For sale in Canada	—	11, 849	10, 509, 812
For export	—	—	—
5,001 to 10,000 lbs.:	—	23, 125	34, 400, 716
For sale in Canada	—	2, 124	2, 347, 530
For export	—	—	—
10,001 to 14,000 lbs.:	—	6, 123	11, 711, 985
For sale in Canada	—	6, 339	7, 551, 976
For export	—	—	—
14,001 to 16,000 lbs.:	—	13, 137	26, 415, 747
For sale in Canada	—	6, 802	8, 616, 667
For export	—	—	—
16,001 to 19,500:	—	9, 403	21, 884, 871
For sale in Canada	—	10	30, 439
For export	—	—	—
19,501 to 26,000 lbs.:	—	2, 360	9, 756, 459
For sale in Canada	—	34	184, 452
For export	—	—	—
Over 26,000 lbs.:	—	649	5, 006, 221
For sale in Canada	—	1	10, 495
For export	—	—	—
Automobiles, passenger:			
Convertible cars:			
Coupe, roadster:	—	2, 811	5, 712, 364
For sale in Canada	—	14	30, 259
For export	—	—	—
Permanent closed cars:			
Coupe:	—	21, 677	38, 173, 759
For sale in Canada	—	874	1, 225, 238
For export	—	—	—
2 Door sedan:	—	57, 410	82, 991, 110
For sale in Canada	—	711	950, 806
For export	—	—	—
4 Door sedan:	—	158, 473	266, 068, 240
For sale in Canada	—	22, 637	26, 471, 876
For export	—	—	—
Other, closed:	—	2, 782	6, 607, 479
For sale in Canada	—	379	624, 314
For export	—	—	—
Chassis (sold without bodies):	—	2	2, 260
For sale in Canada	—	14, 944	9, 755, 827
For export	—	—	—
Buses or coaches:			
Complete:	—	637	10, 424, 989
For sale in Canada	—	61	139, 738
Chassis only	—	4	31, 155
Automobiles, not specified	—	—	—
Automobile, bus and truck bodies and cabs	—	—	13, 617, 321
Automobile cloth	sq. yd.	2, 492, 377	5, 317, 426
Automobile headlights and parts	—	—	3, 843, 111
Automobile parts and accessories (not specified)	—	—	173, 644, 427
Awnings, aluminum	—	—	780, 235
Awnings and verandah curtains, fabric	—	—	1, 730, 214
Axes and hatchets	No.	551, 541	1, 030, 728
Axles and shafts, automobile	—	—	10, 817, 332
Axles (not specified)	—	—	3, 556, 955
Babies' high chair sets, commodes and other baby supplies	—	—	526, 719
Babbitt metal	lb.	4, 061, 472	2, 287, 717
Badges (Included under "Regalia")	—	—	—
Bags:			
Cotton	No.	51, 662, 193	15, 072, 061
Jute	—	50, 745, 030	18, 255, 880
Garment, fabric	—	393, 660	505, 185
Hand, leather	—	497, 735	2, 561, 951
Hand, other	—	—	4, 169, 287
Hand, parts	—	—	105, 542
Shopping, sports, etc., leather	No.	61, 604	734, 826
Shopping, sports etc., other	—	—	393, 689
Sleeping	No.	28, 159	753, 674
Club bags, suit cases and other hand luggage	—	—	4, 650, 048
School bags	No.	209, 797	261, 387
Fabric bags, not specified	—	—	1, 166, 057
Fabric bags, repaired	—	—	4, 951, 375
Bags, paper:			
Glassine and cellophane	—	—	7, 520, 564
Millinery, garment and laundry	—	—	1, 508, 889
Self-opening	—	—	8, 188, 149
Tea bags, individual	—	—	1
Wedge	—	—	2, 192, 779
Paper, not specified (including multiwall)	—	—	23, 755, 222
Bags, plastic	—	—	662, 906
Bags, rubber, air and steam	No.	14, 318	252, 515
Bags, rubberized, n.e.s.	—	2, 916	8, 308
Bakers' equipment (See also "Machinery, bakers' ")	—	—	59, 508
Bale ties - Quantity made	ton	5, 502	—
Quantity sold	—	5, 532	925, 533

1. Indicates that the commodity was reported by only one or two concerns.

Alphabetical list of products manufactured in Canada, 1951 - Continued

Items	Unit of measure	Quantity	Value
			\$
Ball and rod mills, grinding	—	—	278,207
Balloons	—	—	296,773
Balls, baseball	gr.	89,315	24,336
Balls, golf, complete	doz.	24,336	139,883
Balls, softball	"	26,962	741,743
Balls, other, including bladders, centres etc.	"	—	238,303
Barley, pot and pearl	ton	2,150	2,767,259
Barn and stable equipment, not elsewhere specified ..	—	—	1,277,884
Barrels, wooden:			
Apple, etc.	No.	707,838	132,225
Fish, slack	"	88,895	262,432
Fish, tight	"	95,889	145,054
Flour, sugar etc.	—	—	1,160,779
Oil, vinegar, water, etc.	No.	170,802	912,763
Whiskey, beer, etc.	"	40,863	3,479,042
Barrels, steel	"	611,148	483,333
Barrels, repaired, etc.	—	—	3,585
Barrels, n.e.s.	—	—	1
Bars and ingots, aluminum (Included in "Aluminum bars, rods and ingots")	—	—	—
Bars and rods, brass and bronze	—	—	—
Bars, iron and steel:			
Hot rolled, of all grades:			
Quantity made	ton	763,005	—
Quantity sold	"	587,160	73,105,972
Cold rolled and cold drawn:			
Quantity made	"	47,359	—
Quantity sold	"	47,578	12,402,690
Not specified	"	12,844	1,942,577
Basket bottoms	—	—	76,167
Baskets and crates, fruit and vegetable	—	—	3,933,374
Baskets, other, not specified	—	—	522,500
Bathing caps	doz.	24,705	127,652
Bathing shoes	—	—	1
Bathing suits	doz.	120,892	4,041,465
Bath mats and sets	—	—	188,835
Bathrobes, kimonos, lounging jackets, etc.			
Cotton:			
Women's and misses'	doz.	17,162	585,335
Children's	"	11,676	193,291
Rayon and silk:			
Women's and misses'	"	23,446	1,818,323
Men's and youths'	"	4,920	538,601
Children's	"	559	12,961
Wool and flannel:			
Women's and misses'	"	4,002	440,044
Men's and youths'	"	8,683	1,190,571
Children's	"	6,378	402,596
Not specified:			
Men's and youths'	"	4,763	275,574
Other	"	10,891	565,139
Bats, baseball	No.	267,478	212,720
Batteries:			
Storage, for automobiles and other internal combustion engines ..	No.	1,611,229	16,556,947
Storage, for railway service (cells)	"	20,466	862,715
Storage, for farm lighting plants (cells)	"	27,062	281,853
Storage, for telephone switch boards	"	16,192	691,551
Storage, for all other purposes	"	38,139	1,806,737
Dry cell, 6 in. batteries	No. of cells	1,977,940	996,195
Dry cell, radio, for portable sets	"	13,851,193	725,117
Dry cell, radio, for non-portable sets	"	39,178,105	3,558,226
Dry cell, flashlight	"	45,727,144	3,402,069
Dry cell, hearing aid "A"	"	876,701	97,532
Dry cell, hearing aid "B"	"	—	—
Dry cell, all other	"	2,272,418	124,004
Parts and supplies for batteries	—	—	3,648,203
Battery containers, covers, etc.	—	—	2,464,373
Batts, wadding, and rolls including auto batts (See also "Flocks")	—	—	4,694,880
Bearings, ball, roller, and parts	—	—	7,643,329
Beauty parlour equipment (See also "Hair dressing accessories")	—	—	295,926
Beds and couches:			
Beds, metal	No.	155,751	2,208,401
Studio couches, metal and other	"	73,448	4,262,688
Couches, other than studio, metal	"	28,870	411,451
Cots and bunks, metal	"	111,001	922,891
Crisbs, metal	"	23,299	257,105
Beds, camp	"	1,933	23,580
Bedsprings and bed sets:			
Cotton	"	327,047	2,036,272
Silk, rayon and rayon mixtures	"	34,417	388,841
Not specified	"	9,879	83,607
Beef extract	—	—	1
Beekeepers' supplies, n.e.s.	—	—	261,212
Beer, ale, stout and porter (sales):			
Bottled and canned	gal.	128,322,221	215,022,894
Draught	"	49,335,473	56,532,371
Beer, spruce	"	53,429	41,550
Beet pulp, wet and dried	ton	117,895	2,268,991
Bells and gongs	—	—	1
Belting, leather (transmission)	lb.	319,863	1,447,808

1. Indicates that the commodity was reported by only one or two concerns.

Alphabetical list of products manufactured in Canada 1951 - Continued

Items	Unit of measure	Quantity	Value
			\$
Belting, rubber	lb.	10,038,627	10,267,645
Belts, automobile, fan	No.	1,867,579	1,150,733
Belts, body, not specified	—	—	3,287,142
Belts, rubber, for motors	No.	1,789,576	2,555,511
Belts and aprons, sanitary	—	—	241,573
Benzol	imp. gal	7,560,513	3,040,833
Bicycles	No.	91,617	3,158,470
Bicycle parts	—	—	349,489
Billiard and bowling supplies, n.e.s.	—	—	962,533
Binders, loose-leaf and other	—	—	2,755,341
Binders, corn	No.	2,938	1,156,228
Binders, grain	"	3,557	1,409,554
Binding and stitching (trade work)	—	—	1,852,061
Bindings (see also "Tapes"):			
Cotton	—	—	865,356
Silk, rayon and rayon mixtures	—	—	259,317
Other	—	—	193,761
Bins and hoppers	—	—	1,179,814
Biological products, n.e.s.	—	—	3,381,313
Biscuits, plain and fancy	lb.	172,547,063	54,787,116
Biscuits, soda	"	49,856,582	12,738,637
Black, acetylene	—	—	1
Blackboards, asbestos and other	—	—	71,331
Blankets:			
Cotton and cotton mixtures	pr.	2,165,300	
All wool	lb.	6,710,188	8,078,002
Other, including crib	pr.	683,740	
Slumber throws	lb.	4,617,018	8,711,825
Blankets, electric	No.	69,443	1,166,365
Blankets and covers, horse	"	12,587	349,106
Blankets, rubber, printers'	"	29,564	251,755
Bleaching compounds	lb.	74,073	260,373
Blinds, venetian (See "Shades and blinds")	—	—	137,248
Blood, animal, dried, edible	—	—	1
Blood, animal, dried, inedible	lb.	3,474,260	235,846
Blooms, billets, slabs and sheet bars, (including, blanks):			
Quantity made	net ton	2,645,540	
Quantity sold	" "	447,334	33,513,655
Blouses, women's, misses' and children's:			
Cotton, women's and misses'	doz.	155,069	3,068,510
Cotton, children's	"	76,525	949,212
Nylon, women's and misses'	"	25,371	1,143,841
Rayon, women's and misses'	"	191,732	5,228,462
Rayon, children's	"	10,738	214,865
Rayon mixtures, women's and misses'	"	181,584	4,963,641
Rayon mixtures, children's	"	4,478	105,870
Woollen, women's and misses'	"	13,508	404,638
Woollen, children's	"	242	6,576
Other, women's and misses'	"	26,409	920,008
Other, children's	"	1,574	30,675
Blow torches	—	—	1
Blowers for domestic furnaces	No.	28,812	873,364
Blue, laundry	—	—	116,079
Boats, life and whale	No.	189	220,818
Boats, motor	"	726	1,510,579
Boats, outboard motor	"	9,692	1,709,163
Boats, sail	"	119	79,603
Boats, other including row boats, skiffs, etc., (See also "Canoes")	—	—	1,468,547
Boiler compound	—	—	1
Boilers, heating, all types	—	—	9,366,639
Boilers, power	—	—	8,471,816
Boilers, range and wash	No.	193,775	2,680,597
Boilers, not specified	—	—	747,684
Boiler and engine parts and accessories	—	—	2,306,419
Bologna, weiners, and blood pudding	lb.	94,586,840	39,229,450
Bolts, nuts and rivets	—	—	22,217,462
Bone meal and flour	lb.	9,520,684	394,470
Bone, raw, ground, etc.	"	40,541,687	1,114,666
Book cloth, pyroxylin coated (Included in "Fabrics, coated and impregnated")	—	—	
Books, printed and bound, chiefly for advertising	—	—	2,821,692
Books, printed and bound, not chiefly for advertising	—	—	10,006,856
Books and pads, drawing, exercise, scribblers, etc., not elsewhere specified	—	—	2,880,461
Books, ledger and account	—	—	1,063,154
Books, counter, check, sales, etc.	—	—	2,818,739
Books, blank, bound, not specified	—	—	1,123,553
Boron carbide	—	—	1
Bottles, plastic	—	—	1
Bottles, thermos	—	—	1
Bowling supplies (Included in "Billiard and bowling supplies")	—	—	1
Box toes	pr.	10,273,556	355,058
Boxes, mail	—	—	1
Boxes, paper:			
Corrugated, including wrappers, etc. (See also "Wrappers")	—	—	67,271,424
Fibre board	—	—	2,071,106
Folding	—	—	42,933,163
Set-up	—	—	13,762,838
Not specified	—	—	28,313

1. Indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1951 - Continued

Items	Unit of measure	Quantity	Value
			\$
Boxes, wooden:			
Apple	No.	624,769	249,005
Berry	"	26,169,536	315,338
Butter	"	1,162,141	706,784
Cheese	"	834,230	469,368
Cigar	"	1,451,557	346,640
Fish	"	1,187,578	860,483
Meat	"	862,609	510,841
Plywood	"	432,837	1,434,183
Veneer	"	3,143,872	3,490,303
Not specified	"	—	5,107,692
Boxes, other, not specified	"	—	655,295
Box panels, plywood	"	—	1
Braids and gimps	"	—	1,857,765
Brake fluid	"	—	854,331
Brake beams (railway car)	"	—	882,720
Brakes, auto, and parts	"	—	4,069,655
Brakes, brake shoes and parts (railway car)	"	—	4,813,901
Bran	ton	339,378	18,615,116
Brass ingots	"	14,600	9,067,997
Brass and bronze products, not specified	"	—	1,484,201
Bread	lb.	1,045,169,780	149,481,587
Breakfast foods (see "Cereal products")	"	—	778,435
Brewery and distillery equipment, n.e.s.	"	—	1,668,645
Bricks, cement	M.	52,518	14,058,361
Bricks, domestic clay	"	379,628	1,220,563
Bricks, sand-lime	"	31,937	1
Briquettes, coal and coke	"	—	1
Bronze ingots	lb.	13,962,515	4,427,311
Bronze, n.s.	"	268,558	46,409
Brooms:			
Corn	doz.	250,541	2,814,530
Fibre	"	26,984	256,634
Hair	"	7,709	207,478
Toy	"	10,859	35,030
Other	"	2,793	108,025
Brushes:			
Made of corn or fibre	"	142,040	24,810
Clothes	"	30,798	199,340
Cosmetic	"	60,261	170,467
Generator and motor	"	—	783,542
Hair	doz.	102,390	783,353
Nail	"	61,229	87,336
Paint	"	505,188	5,277,698
Shaving	"	30,870	334,172
Shoe	"	32,658	141,187
Tooth	"	457,761	719,301
For household purposes	"	627,266	1,641,772
For industrial use	"	209,302	1,428,818
Other, not specified	"	27,401	134,972
Brush blocks, backs, etc.	"	—	47,034
Buckles, clips, etc.	"	—	290,948
Buffing composition	"	—	167,802
Bufs, polishing, cotton	"	—	1,062,138
Building blocks, hollow, cement, cinder, sand-lime, etc.	"	—	18,183,100
Bungs, barrel	"	—	61,560
Buns	"	—	22,919,212
Burlap products	"	—	520,113
Burners, not specified	"	—	152,059
Butane	"	—	1
Butter, whey, factory made	lb.	2,022,809	1,147,000
Butter, other, factory made	"	257,165,501	162,159,022
Buttons:			
Celluloid	gr.	67,188	314,460
Covered	"	116,260	230,515
Plastic	"	660,204	966,712
Metal	"	1,475,946	369,276
Moulded	"	3,296,598	1,031,283
Pearl	"	277,237	297,668
Not specified	"	—	596,785
Button covering, hemstitching, etc.	"	—	1,385,735
Butyl acetate	"	—	1
Butyraldehyde	"	—	1
Cabinets, ice cream	"	—	2,305,770
Cabinets, phonograph and radio	No.	219,059	6,094,193
Cabinets, silverware	"	—	595,652
Cabinets, n.e.s.	"	—	474,482
Caffeine	"	—	1
Calcium carbide	"	—	1
Calcium chloride	"	—	1
Calcium cyanamide	"	—	1
Calcium naphthenate	"	—	1
Calks, horseshoe	"	—	52,426
Camel back	lb.	6,063,548	2,776,944
Cameras and kodaks	"	—	1
Candles and cierges:			
Household	"	—	417,795
Church, chapel and synagogue	"	—	1,738,387
Wax lights in tumblers	"	—	1

Alphabetical List of Products Manufactured in Canada, 1951 - Continued

Items	Unit of measure	Quantity	Value
			\$
Candy sticks	M.	182,063	105,803
Canoes (See also "Boats")	—	—	322,287
Cans, metal, cream and milk	No.	38,288	188,349
Cans, metal, for food	—	—	54,965,224
Cans, metal, non-food	—	—	18,428,481
Cans, metal, garbage and ash	—	—	1,064,426
Cans, paper or fibre with metal ends	—	—	3,387,561
Canvas and canvas goods, not elsewhere specified	—	—	47,646
Capacitors, (Static condensers for power factor correction)	—	—	392,306
Caps:			
Cloth	doz.	192,340	2,327,624
Cotton	"	90,772	316,745
Fur	"	6,051	110,587
Leather	"	4,971	64,865
Sport	"	111,571	880,153
Uniform	"	42,773	938,997
Not specified	"	20,097	145,396
Caps, bottle:			
Metal, beverage	—	—	6,758,883
Metal, other	—	—	3,363,073
Paper, milk bottle	M.	1,633,205	1,465,318
Plastic	—	—	710,043
Not specified	—	—	780,971
Caramel butter	—	—	1
Carbon dioxide (cylinders and solid)	—	—	1
Carbon bisulphide	—	—	1
Carbon tetrachloride	—	—	1
Carbon products, not specified	—	—	482,258
Carboxel (sodium carboxymethyl cellulose)	—	—	1
Cards, greeting	—	—	10,399,818
Cards, playing	—	—	1
Cards, visiting	M.	82,481	130,920
Carpets, mats, and rugs:			
Carpets in rolls, including stair:			
Axminster	carpet yard	680,098	4,187,005
Tapestry	"	203,489	1,043,948
Wilton	"	537,065	4,543,498
Other, not specified	"	107,338	579,633
Carpets in squares, 4'6" X 7'6" or larger:			
Axminster	"	367,917	1,869,735
Wilton	"	49,053	331,171
Not specified	"	42,000	210,600
Small squares and runners:			
Axminster	"	38,731	204,969
Wilton	"	43,782	275,826
Other	—	—	236,977
Cocoa mats and matting	—	—	1
Rugs, wool, fluff, cotton, hooked, etc.	—	—	1,230,125
Rugs, made from old carpets	—	—	255,005
Carpet sweepers	—	—	1
Carriages, sulkies, etc., baby	No.	147,231	2,497,772
Carriages, doll	—	—	538,311
Carriages and wagons, complete (See also "Vehicles")	No.	1,595	260,119
Carriage and wagon bodies and boxes	—	—	123,751
Carriage and wagon materials	—	—	83,872
Carriers, litter	—	—	1
Cars, electric, railway, passenger, new	—	—	1
Cars, steam, railway, new	No.	10,613	75,428,547
Cars, dump, hand, push and other, not specified	—	—	1,959,850
Cars, concrete	—	—	80,632
Carvings, wood and other	—	—	29,760
Casein, dried	lb.	6,678,323	2,060,833
Cases, clock	—	—	126,838
Cases, jewellery	—	—	995,404
Cases, key, card, utility, etc.	—	—	841,341
Cases, portfolios, brief, etc.	No.	186,067	1,364,840
Cases, toiletware	—	—	1
Cases, other, not specified	—	—	111,395
Caskets	No.	104,208	6,521,720
Casks, fish	"	54,597	155,902
Casks, other	"	1,451	6,806
Castings:			
Aluminum	lb.	12,497,694	7,755,135
Brass and bronze	"	40,345,515	17,930,843
Copper	—	—	179,166
Die	—	—	11,507,819
Grey iron	—	—	47,497,584
Magnesium	lb.	482,973	1,034,811
Malleable iron	ton	48,827	12,636,726
Iron, not specified	—	—	416,405
Lead	lb.	442,679	143,204
Steel:			
Quantity made	ton	121,588	—
Quantity sold	"	116,219	40,976,854
Not specified	—	—	1,734,992
Castors, all kinds	—	—	1,160,363
Catalogues, printed, etc.	—	—	11,603,081
Catsup (See "Tomato Catsup")	—	—	1
Caulking materials	—	—	1

1. Indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1951 - Continued

Items	Unit of measure	Quantity	Value
			\$
Ceiling and siding, metal	—	—	1,018,709
Cellulose products, n.e.s.	—	—	1
Cement, asbestos	lb.	1,689,815	101,413
Cement, Portland (including containers)	—	—	43,023,845
Cement, linoleum	—	—	603,739
Cement, rubber	—	—	467,333
Cement, not specified	—	—	1,861,897
Cement products, not specified	—	—	1,800,250
Cereal products, prepared, ready to serve	lb.	74,723,345	18,568,738
Cereal products, unprepared	"	20,768,312	1,869,213
Cereal products, n.e.s.	"	3,702,000	208,633
Cerium	—	—	1
Certificates, stock, bond, etc. printed	—	—	2,273,989
Chains, automobile	—	—	1,865,741
Chains, other than automobile, including sprocket chain	—	—	6,420,264
Chamois products	—	—	406,701
Chaplets, foundry	—	—	430,531
Charcoal	—	—	1
Cheese, Canadian cheddar	lb.	88,783,699	30,740,657
Cheese, other, whole milk	"	5,469,643	2,608,576
Cheese, skim milk and cottage	"	9,985,840	1,975,558
Cheese, process	"	39,364,653	15,959,297
Cheesecloth	yd.	917,457	307,684
Chemical products, not elsewhere specified	—	—	3,591,210
Cheques, notes, drafts, bank notes, etc. printed	—	—	2,813,907
Chests, cedar and other	No.	37,452	1,403,155
Chewing gum	box	12,045,100	7,215,634
Chicken, canned (See "Meats, canned")	—	—	—
Chicory, roasted	—	—	1
Children's sleepers (See also "Infants' wear - Sleepers")	doz.	54,716	807,216
Children's wear, n.e.s.	—	—	61,922
Chloride of lime	lb.	608,464	57,878
Chlorine, liquid	"	201,067,716	5,154,466
Chloroform	—	—	1
Chocolate coating:	—	—	—
Liquor	—	—	1
Sweetened:	—	—	—
For own use	lb.	12,117,890	—
For sale	"	10,802,442	4,520,718
Choppers and grinders, food	—	—	227,217
Churns	—	—	1
Cider (for sale)	gal.	53,371	34,149
Cigars	M.	169,408	13,896,713
Cigarettes	"	15,816,166	261,909,840
Cisterns	—	—	2,505,014
Classifiers, metal-working	—	—	129,771
Clay, bentonite and other	—	—	566,682
Cleaners, vacuum and parts	—	—	9,070,585
Cleaner, hand	lb.	1,786,813	159,387
Cleaner, automobile, fabric, floor, etc.	—	—	403,280
Cleaning and scouring powders and pastes	lb.	30,940,160	2,904,516
Cleaning preparations, n.e.s.	—	—	2,081,703
Clips and staples, wire	—	—	571,669
Clocks	—	—	4,335,425
Cloth, gummed	—	—	1
Clothes driers	—	—	1
Clothes hampers	—	—	248,338
Clothes pins	gr.	1,064,034	563,275
Clothing, rubber, n.e.s.	—	—	464,176
Clothing, safety	—	—	330,237
Clothing, sport:	—	—	—
Shorts:	—	—	—
Women's and misses':	—	—	—
Cotton	doz.	35,163	600,674
Rayon	"	3,183	49,389
Wool and wool mixtures	"	3,037	36,799
Not specified	"	2,796	56,336
Men's and youths':	—	—	—
Cotton	"	7,398	170,197
Not specified	"	3,965	112,923
Boys':	—	—	—
Cotton	"	4,214	72,257
Other	"	1,452	43,275
Children's:	—	—	—
Cotton	"	37,438	381,442
Rayon	"	2,470	33,242
Wool and wool mixtures	"	3,226	44,490
Other	"	65	650
Not specified	"	21,442	525,788
Slacks:	—	—	—
Women's and misses':	—	—	—
Cotton	No.	764,835	2,164,896
Rayon	"	274,804	953,389
Wool and wool mixtures	"	221,673	1,024,158
Not specified	"	42,896	168,281
Men's and youths' (See "Pants and slacks")	—	—	—
Children's:	—	—	—
Cotton	"	339,960	517,466
Rayon	"	32,525	73,918
Wool and wool mixtures	"	208,051	453,420

Alphabetical List of Products Manufactured in Canada, 1951 — Continued

Items	Unit of measure	Quantity	Value \$
Clothing, sport—Concluded:			
Suits, sport:			
Ski and snow suits:			
Women's and misses'	doz.	5,280	289,510
Children's	"	41,965	2,336,657
Other sport suits:			
Women's and misses':			
Cotton	No.	4,754	43,634
Rayon	"	10,905	99,994
Wool and wool mixtures	"	17,901	247,264
Children's:			
Not specified	"	8,292	42,232
Clothing, sport, (baseball, gym and athletic) (See also "Pants, hockey, soccer, etc." ..	—	—	146,113
Clothing, sport, n.e.s.	—	—	173,160
Clothing, hospital	—	—	627,792
Clothing, military (See, "Jackets", "Pants" and "Suits")	—	—	—
Clothing, oiled and waterproofed (See also, "Raincoats and Capes" and "Pants rubb-	—	—	—
erized and oiled")	—	—	572,236
Clothing, plastic, n.e.s. (See also "Aprons", "Raincoats and Capes")	—	—	154,672
Clothing, not specified	—	—	815,145
Coats and jackets:			
Boys' overcoats and top coats	No.	78,685	864,544
Men's and youths' overcoats and top coats	"	759,818	23,570,568
Women's and misses' coats:			
Rayon	"	46,550	704,568
Woollen	"	1,424,249	34,520,324
Other	"	25,568	616,316
Children's coats:			
Woollen	"	573,242	4,594,091
Rayon	"	13,570	112,657
Not specified	"	4,496	51,558
Station wagon coats:			
Women's and misses'	"	127,975	2,444,672
Children's	"	180,839	1,890,957
Men's and boys'	"	5,442	114,988
Not specified	"	337	166,212
Not specified:			
Woollen	"	15,024	250,000
Other	"	2,460	62,321
Boys' separate jackets (civilian)	—	—	433,578
Men's and youths' separate jackets:			
Civilian	No.	330,734	5,889,645
Military	"	532,665	4,207,641
Women's and misses' separate jackets:			
Wool and mixtures	"	152,635	1,309,156
Rayon and mixtures	"	45,669	484,496
Cotton	"	64,156	328,291
Other	"	13,963	82,384
Children's separate jackets:			
Wool and mixtures	"	139,237	402,005
Cotton	"	38,437	95,460
Rayon and mixtures	"	28,796	88,463
Other	"	15,088	72,040
Coats, blazers and jackets, not specified	doz.	7,635	450,530
Short coats (Including windbreakers, mackinaws, parkas, leather coats, vest, etc.):			
Wool and wool mixtures:			
Men's and youths'	"	38,991	4,392,855
Boys'	"	13,321	845,468
Children's (under 14)	"	1,922	94,020
Women's and misses'	"	3,469	340,720
Cotton:			
Men's and youths'	"	53,848	4,690,723
Boys'	"	24,857	1,636,994
Children's (under 14)	"	6,109	422,751
Women's and misses'	"	9,110	433,547
Not specified	"	2,114	242,194
Leather:			
Men's and youths'	"	7,506	1,133,457
Boys'	"	95	9,823
Not specified	"	1,592	273,194
Rayon:			
Children's	—	—	1
Women's and misses'	doz.	10,821	412,642
Other:			
Men's and youths'	"	46,076	4,690,092
Boys'	"	15,652	944,146
Children's (under 14)	"	393	22,393
Women's and misses'	"	4,640	275,177
Not specified	"	1,560	254,825
Raincoats and capes:			
Oiled	No.	28,423	134,194
Plastic	"	347,667	1,465,989
Rubber and rubberized	"	532,531	1,701,442
Showerproofed and waterproofed	"	538,520	8,803,296
Not specified	"	39,331	451,732
Brunch coats and house coats	doz.	11,097	624,586
Coats, fur:			
Children's	No.	699	40,661
Ladies' (coats and capes)	"	206,315	46,410,371
Men's	"	632	154,090

Alphabetical List of Products Manufactured in Canada, 1951 - Continued

Items	Unit of measure	Quantity	Value
			\$
Coats, fur-lined	No.	2,425	315,397
Coat plates	—	—	1,117,614
Coating, industrial (plastic) (See also "Enamels, pipe-line")	—	—	1
Cobalt naphthenate	—	—	1
Cocoa (Made for sale)	lb.	9,169,124	3,838,816
Cocoa butter:			
Made for own use	"	4,741,647	—
Made for sale	"	1,562,149	1,143,287
Cocoa and chocolate preparations, not elsewhere specified (for sale)	"	4,857,916	2,190,181
Cocoonut, prepared and desiccated	—	—	1
Coffee-makers, glass	—	—	1
Coffee, roasted	lb.	71,418,392	62,779,934
Coffee substitute	—	—	1
Coffins	No.	4,606	124,240
Coffins and boxes (shells)	—	—	893,469
Coke, gas-house	ton	3,931,626	59,848,832
Coke, petroleum	"	164,689	1,674,174
Coke, pitch	—	—	1
Cold storage equipment (See also "Refrigeration equipment")	—	—	315,453
Collars, men's	—	—	149,130
Collars, fur	No.	133,408	717,036
Colours, butter, cheese and other	lb.	1,977,773	494,979
Colours, dry	—	—	3,543,183
Colours, in oil and Japan	gal.	155,422	675,949
Combs	—	—	1,488,081
Comforters:			
Cotton	No.	80,865	356,222
Down	"	12,872	249,201
Wool	"	47,997	299,893
Not specified	"	22,067	33,203
Communication systems (see "Radio communication equipment"):			
Compacts, powder and rouge	—	—	302,444
Compressors, air	—	—	6,405,625
Compressors and condensing units (refrigeration)	No.	44,965	4,831,136
Concentrates used for soft drinks	—	—	2,463,529
Concrete, ready mixed	cu. yd.	1,557,664	17,290,381
Concrete products n.e.s.	—	—	1,046,903
Condensers, evaporative (refrigeration)	No.	2,429	355,383
Conduit, flexible, steel and non-metallic	ft.	2,756,358	191,179
Conduit, rigid:			
Aluminum	—	—	1
Electrical metallic tubing	lb.	2,926,000	774,671
Iron	"	29,212,000	4,137,624
Conduit fittings	—	—	2,663,611
Conduits and parts, not specified	—	—	63,818
Cones, ice cream	M.	382,012	1,601,084
Cones and tubes, textile winding	—	—	1
Confectionery, chocolate:			
In bulk	lb.	13,028,596	5,564,577
In bars	doz.	39,531,445	22,041,834
In packages	lb.	19,184,054	11,684,281
Moulded chocolate novelties	"	602,229	457,678
Not specified	"	283,430	154,338
Confectionery, marshmallow:			
In bulk	"	328,298	86,548
In packages	"	4,406,019	1,454,784
Confectionery, sugar:			
In bulk	"	47,584,866	12,710,912
In bars	doz.	1,900,134	1,035,833
In packages	lb.	15,357,230	5,671,421
Penny goods	gr.	3,795,891	3,314,835
Lozenges	lb.	875,729	206,455
Confectionery, toffee:			
In bulk	"	660,000	206,780
In packages	"	1,650,945	561,347
Confectionery, not specified	"	1,531,167	71,374
Confectionery mixes	—	—	1
Containers, n.e.s.	—	—	26,051
Control and starting equipment, industrial, n.e.s.	—	—	11,516,310
Converter equipment, electrical	—	—	4,138,222
Coolers, milk and other	—	—	3,101,209
Cooperage products, not specified	—	—	101,609
Copper alloys	lb.	1,142,785	388,291
Copper and copper products, n.e.s.	—	—	3,242,398
Cores for paper rolls	M. ft.	6,856	871,267
Cores for small paper rolls and mailing tubes	—	—	958,043
Cores, textile winding	—	—	220,542
Cores, lumber	—	—	282,414
Cork products, not elsewhere specified	—	—	294,589
Corn, cracked	ton	2,187	199,358
Corn, for popping	—	—	1
Corsets, girdles, brassieres, etc:			
Corsets and girdles	doz.	191,382	6,093,609
Combination garments	"	24,007	1,169,632
Bandeaux, brassieres, etc.	"	669,148	8,005,753
Suspender girdles, shoulder straps etc.	—	—	498,964
Corset steels and clasps	—	—	1
Cosmetic containers and other cosmetic accessories, n.e.s.	—	—	711,094

1. Indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1951 — Continued

Items	Unit of measure	Quantity	Value
			\$
Cotter pins	—	—	205,258
Cotton fabrics:			
Unbleached or grey	lb.	71,936,158	
Bleached or white	yd.	207,078,972	68,796,159
Yard and stock dyed	lb.	11,068,654	
Piece dyed	yd.	42,285,529	14,806,760
Printed and painted	lb.	19,911,437	
Pillow cotton	yd.	54,023,424	22,027,879
Sheeting	lb.	16,152,103	
Towelling	yd.	56,473,077	26,367,663
Not specified	lb.	9,971,714	
Counters, shoe	yd.	42,182,171	14,112,654
Couplings, flexible, etc.	lb.	331,817	
Coverings, boiler and pipe, asbestos and other	yd.	1,013,128	431,922
Covers, baby carriage and crib	lb.	7,279,276	
Covers, boat	yd.	11,447,315	7,735,534
Covers, canvas	—	—	1,515,920
Covers, couch, table and other furniture	—	—	2,704,783
Covers, mattress	pr.	20,831,823	737,640
Covers, stockinette, meat (See "Knitted fabrics")	—	—	486,094
Covers, radiator, fabric	—	—	2,106,904
Covers, seat, automobile	doz.	2,503	64,640
Covers, not specified	—	—	100,316
Crates, shipping, auto and other	—	—	3,033,813
Crayons, wax and chalk	—	—	584,115
Cream, whey, sold by dairy factories	—	—	458,872
Cream, other, sold in dairy factories	—	—	57,271
Cream transferred to branches of firms reporting	—	—	2,477,938
Cream of tartar, refined	—	—	563,737
Cream separators	—	—	1
Cresols	—	—	389,471
Croquet sets	—	—	446,020
Cross arms	—	—	27,258,822
Crucibles, clay	—	—	5,846,784
Crushers, rock, and parts	—	—	151,653
Cuffs, fur	—	—	754,417
Cultivators	—	—	1
Cups, paper, baking, bonbon, etc.	—	—	467,558
Cups, paper, drinking	pr.	483	6,525
Curtains, shower	No.	28,318	4,836,787
Curtains, fabric	—	—	374,052
Curtains and drapes, plastic	M	760,337	4,466,613
Curtain rods and fixtures	—	—	76,547
Cushions	—	—	2,696,821
Cushion forms	—	—	698,223
Cushion tops	—	—	1,512,385
Cushions, mats, and pads, air and sponge	—	—	794,339
Cutting blocks and tables, butcher	No.	140,355	113,662
Cutlery, all kinds (see also "Flatware")	—	—	72,559
Dairy products, not specified	doz.	66,552	25,122
Dairy equipment, not specified	—	—	851
Decorations, including party favours, confetti, etc.	—	—	131,677
D.D.T.	—	—	1,431,759
Dentifrices	—	—	847,519
Dentists' supplies, not elsewhere specified	—	—	301,865
Deodorant (personal)	—	—	1,139,321
Deodorant (not personal)	—	—	1,696,626
Desk sets	—	—	5,572,825
Detergents	—	—	300,806
Dextrine	—	—	1,420,254
Dextrose	—	—	673,214
Diaries, printed, etc.	—	—	58,157
Dibutyl phthalate	—	—	13,317,230
Dicyandiamide	—	—	1
Dies, stamping, drawing and cutting	—	—	200,515
Dies, metal working, n.e.s.	—	—	1
Dies, aluminum	—	—	1,226,946
Dies, taps and stocks	—	—	2,567,961
Dies, rubber etc.	—	—	65,587
Diocetyl phthalate	—	—	416,811
Discs, agricultural (see "Ploughs")	—	—	591,941
Dishcloths	—	—	1
Dishwashers, electrical, commercial	—	—	520,461
Disinfectants	—	—	1
Display, advertising	—	—	767,242
Display, forms, mounting, etc.	—	—	2,899,550
Ditchers, blade	—	—	1,509,268
Distillers' grain (see "Grain, distillers'")	—	—	1
Dog collars and harness	—	—	37,518
Doilies and dinner cloths, paper	—	—	444,512
Dolls, all kinds	doz.	140,282	2,309,728

1. Indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1951 — Continued

Items	Unit of measure	Quantity	Value
			\$
Dolls' furnishings and parts.....	—	—	341,440
Doors, metal clad.....	—	—	1,775,508
Doors, modernfold.....	—	—	1
Doors, veneer and plywood.....	No.	1,061,125	8,125,500
Doughnuts.....	—	—	8,190,020
Dowels.....	M. lin. ft.	32,416	305,654
Down, processed (Included with "Feathers").....	—	—	—
Draperies and drapery material.....	—	—	670,160
Drapes, window, paper.....	—	—	1
Dresserware, plastic.....	—	—	1
Dresses, children's:			
Cotton.....	No.	2,887,060	5,127,661
Rayon and rayon mixtures.....	"	614,216	1,586,674
Wool and wool mixtures.....	"	135,241	423,691
Not specified.....	"	64,627	124,376
Dresses, women's and misses':			
Cotton (see also, "Coats, brunch coats, house coats, etc.").....	"	4,639,007	12,590,024
Nylon.....	"	147,314	1,207,646
Rayon and rayon mixtures.....	"	7,207,760	48,427,428
Wool and wool mixtures.....	"	478,196	5,271,310
Wool, knitted suits and dresses (incl. children's).....	"	83,820	767,774
Not specified.....	"	128,262	1,232,954
Dressing gowns, negligees, (see "Bathrobes, etc.").....	—	—	—
Dressing, salad.....	lb.	19,310,267	5,850,227
Dressings and finishes, leather, (not including polish).....	—	—	901,549
Drilling machines (metal working).....	—	—	766,634
Drills, grain and fertilizer (combination).....	No.	34,967	11,931,279
Drills, grain, press and plain.....	"	11,902	5,597,882
Drills, reamers, etc. incl. screw plates.....	—	—	12,343,377
Drills, mining and metallurgical.....	—	—	2,420,905
Drink mixers.....	—	—	1
Drives, V-belt (transmission machinery).....	—	—	1,334,267
Druggists' sundries:			
Hot water bottles.....	doz.	19,134	208,627
Nipples and soothers.....	"	471,857	200,435
Ice caps and collars.....	"	3,128	38,380
Not specified.....	"	24,650	3,767
Drums, veneer, plywood and other.....	—	—	433,533
Dyeing, finishing, shrinking, etc.: ²			
Dyeing and finishing of textiles.....	—	—	9,382,659
Dyeing and finishing of yarns.....	lb.	1,221,869	333,739
Dyeing and finishing of other products.....	—	—	848,180
Bleaching, sponging, dyeing, etc. custom.....	—	—	2,744,176
Dyes, blended and packaged.....	—	—	80,627
Dyes, leather.....	—	—	53,971
Ear muffs.....	—	—	29,773
Eavetrough and pipe.....	—	—	1,980,623
Economizers.....	—	—	1
Egg cases.....	No.	483,686	275,650
Egg case fillers.....	—	—	554,936
Eggs, frozen.....	—	—	1
Egg substitute, including powdered albumen.....	—	—	35,188
Elastic products, not elsewhere specified.....	—	—	777,897
Electric heating elements (sold separately).....	—	—	2,733,354
Electrical apparatus, parts and supplies, not elsewhere specified.....	—	—	16,221,040
Electrical instruments and meters, except ammeters for autos.....	—	—	10,481,945
Electrodes, carbon and graphite.....	—	—	1
Electrotyping and stereotyping.....	—	—	5,346,126
Elevators, freight and passenger.....	—	—	6,155,152
Elevator parts.....	—	—	2,037,063
Embalming fluid.....	—	—	258,371
Embossing.....	—	—	246,099
Embroideries and laces.....	—	—	3,202,286
Enamels, oils and synthetic (see also "Paints and enamels").....	imp. gal.	6,304,863	28,234,536
Enamels, pipe-line.....	—	—	543,520
Engines, aircraft (overhauled and assembled).....	—	—	1
Engines, auto.....	—	—	1
Engines, auto parts.....	—	—	1
Engines, diesel.....	No.	141	4,009,205
Engines, gasoline, marine type.....	"	28,334	5,588,373
" , other type.....	"	41,212	5,847,300
Engines, steam, including steam turbines.....	"	9	432,409
Engine parts.....	—	—	2,443,073
Engraving (trade work).....	—	—	489,689
Ensilage cutters.....	No.	274	137,949
Ensilage and forage harvesters.....	"	504	264,746
Envelopes, made.....	M	3,435,039	11,979,803
Envelopes, printed.....	—	—	5,790,269
Escalators.....	—	—	1
Ethyl acetate.....	—	—	1
Ethylene oxide.....	—	—	1
Ethyl hexonal.....	—	—	1
Evaporators (fin coils, ice-makers, etc.).....	—	—	1
Excelsior, paper.....	ton	3,209	1,661,317
Excelsior, wood.....	"	7,719	149,205
Excelsior, wrappers, mats and pads.....	No.	18,269,133	367,284
Explosives.....	lb.	155,490,062	416,206
			22,005,686

1. Indicates that the commodity was reported by only one or two concerns.

2. Does not include fabrics dyed or bleached by firms maintaining a dyeing and finishing department of their own.

Alphabetical List of Products Manufactured in Canada, 1951 - Continued

Items	Unit of measure	Quantity	Value \$
Extracts, flavouring (bakers', confectioners', household, etc.)	—	—	3,892,985
Extracts, flavouring, etc. (used for soft drinks)	—	—	2,219,469
Eyes, artificial	—	—	1
Fabrics, coated and impregnated, including felt saturated, book cloth and shoe materials	—	—	3,923,540
Fabrics, rubberized and waterproofed	—	—	636,186
Fabrics, other	—	—	5,004,213
Face cloths	—	—	913,055
Facial tissue (see "Tissues, cleansing")	—	—	—
Facing and parting, foundry	—	—	420,520
Fanning mills	No.	2,475	343,570
Fans, electric	"	130,841	1,551,259
Farm equipment	—	—	502,062
Fasteners, zipper	ft.	51,574,179	5,999,214
Fasteners, other than zipper	—	—	785,064
Fats, animal, n.e.s.	—	—	53,933
Feathers, millinery	—	—	959,945
Feed chopped, etc.	ton	428,133	27,390,989
Feed cutters and mixers	No.	294	84,665
Feed, poultry	ton	900,147	80,953,481
Feed, stock	"	955,982	76,912,689
Feed, stock and poultry, n.e.s.	"	24,422	2,017,265
Felt, coated and saturated (included in "Fabrics coated, etc.")	—	—	—
Felt, cotton	lb.	10,273,639	1,455,212
Felt, harness and athletic	"	530,097	537,353
Felt, industrial and automotive (uncut)	"	3,855,384	993,627
Felt, insoling, uncut	"	148,342	107,451
Felt, padding and lining	sq. yd.	740,855	694,658
Felt, paper (see "Paper, building and roofing")	—	—	—
Felt, pennant, crest and fancy lining	"	400,609	502,896
Felt, shoe and gaiter	"	235,200	395,948
Felt, punch on burlap	"	1,715,607	1,241,543
Felt, for pulp and paper making	—	—	15,407,042
Felt, n.e.s.	—	—	1,130,065
Fences, electric	No.	13,650	117,652
Fencing, steel wire:	—	—	—
Farm fence	ton	17,036	2,830,970
Lawn fence	"	1,289	310,998
Chain link fabric	"	641,855	854,454
Fencing, snow	M. lin. ft.	6,326	715,689
Fencing, other	—	—	14,177
Ferric chloride	—	—	1
Ferro-alloys, (ferro-silicon, ferro-chrome, ferro-manganese, silicon spiegel, etc.)	—	—	44,189,852
Fertilizers	ton	696,601	29,192,882
Fertilizer sowers	No.	500	91,156
Fibre, staple (rayon)	—	—	1
Fibre glass products	—	—	564,427
Files and rasps	—	—	1
Filing system supplies	—	—	2,822,296
Filling, pie, apple	lb.	4,905,400	534,900
Filling, pie, other than apple	"	6,923,518	1,274,586
Filling, pie, powder (see "Powder, pie filling")	—	—	—
Fillings, not specified	"	172,775	23,977
Films, motion picture	—	—	1
Films, photographers' including X-ray films	—	—	1
Filter discs, etc.	—	—	847,894
Filters, mining and metallurgical	—	—	445,300
Filters oil, auto:	—	—	—
Complete	No.	437,164	897,269
Elements, only	"	3,301,527	2,510,648
Fire clay	—	—	86,190
Fire extinguishers and supplies	—	—	2,035,523
Fire fighting and fire protection equipment, not elsewhere specified	—	—	3,536,640
Fireplaces and furnishings	—	—	1,029,017
Fireworks (see "Pyrotechnics")	—	—	—
Fish, canned	lb.	156,332,976	61,222,294 ²
Fish, otherwise prepared	—	—	18,523,333 ²
Fish, fresh, marketed for consumption, sold in factories	—	—	60,819,929 ²
Fishing nets and netting	—	—	2,978,774
Fishing tackle	—	—	1,959,137
Fixtures, lighting, exterior	—	—	2,073,567
Fixtures, lighting, commercial	—	—	9,003,156
Fixtures, lighting, industrial	—	—	5,203,452
Fixtures, lighting, residential	—	—	3,579,102
Fixtures, lighting, not specified	—	—	2,361,217
Flags and bunting	—	—	402,401
Flashlights and cases	—	—	680,790
Flatware, electro-silver plated and sterling, (see also "Cutlery")	—	—	9,217,714
Flint for lighters	—	—	333,395
Flocks	lb.	11,404,500	896,787
Floor cleaning equipment, n.e.s.	—	—	136,078
Floor covering, including oilcloths, etc.	—	—	1
Flooring, hardwood	M. ft. b. m.	75,724	13,956,506
Floor tile and joists, steel	—	—	1
Flotation machines	—	—	1
Flour, barley	ton	162	28,760
Flour, buckwheat	"	292	33,780

1. Indicates that the commodity was reported by only one or two concerns.
2. Fish processing in Newfoundland included.

Alphabetical List of Products Manufactured in Canada, 1951 - Continued

Items	Unit of measure	Quantity	Value
			\$
Flour, corn	ton	1,683	183,359
Flour, diabetic	—	—	1
Flour, potato (see "Starch and flour")	—	—	—
Flour, prepared and self-raising, cake mixes, pie crust, etc.	lb.	47,085,241	8,244,810
Flour preparations for sausage fillings	"	5,652,953	734,924
Flour, soya bean	—	—	1
Flour, wheat:			
Spring, No. 1 patent including Semolina	bbl.	3,834,313	38,413,752
Spring, No. 2 patent	"	5,522,618	49,550,704
Spring, No. 3 patent	"	10,596,922	95,596,994
Ontario winter	"	1,266,876	11,787,273
Low grade flour	"	894,707	6,935,046
Durum semolina	"	411,011	3,987,625
All other	"	563,880	4,810,719
Flour, graham or whole wheat	—	—	2,640,426
Flour, rice	—	—	1
Flour, rye	ton	3,053	341,477
Flowers, artificial	—	—	2,009,479
Flue linings	—	—	764,630
Fly pads and paper	—	—	1
Fly swatters	—	—	1
Foil, tin, lead and aluminum	—	—	7,608,280
Folding (trade work)	—	—	238,180
Food drinks, liquid (see also "Powders" and "Milk, chocolate") ..	gal.	3,961,944	3,145,179
Food, fox, dog, etc.:			
Fox biscuits	ton	73	8,265
Dog biscuits	"	3,253	654,397
Fox and dog biscuits	—	—	1
Canned dog and cat food	ton	30,591	5,268,483
Other dog and cat food	"	8,053	1,470,381
Other fox food	"	3,543	466,937
Mink and other animal food	"	16,850	2,115,575
Food, stock and poultry n.e.s. (see "Feeds")			
Food mixers	No.	56,525	1,744,052
Food, infant, canned	lb.	37,412,662	10,175,443
Food, infant, other including precooked cereal	"	6,838,465	2,394,849
Food products, not specified	—	—	1,017,699
Foots, vegetable oil	lb.	2,423,538	138,528
Footwear, leather: (see also "Slippers")			
Felt upper (including felt slippers):			
Babies'	pr.	39,587	45,052
Boys'	"	51,693	124,788
Children's, including little gents	"	58,301	81,361
Men's	"	341,602	966,835
Youths'	"	9,055	18,169
Misses'	"	50,265	95,344
Women's and growing girls'	"	129,676	196,076
Leather or fabric upper:			
Babies'	"	2,556,080	4,185,062
Boys'	"	934,197	3,253,936
Children's	"	1,913,613	4,325,708
Misses'	"	2,309,066	5,782,322
Men's	"	6,773,939	43,407,598
Youths'	"	274,477	843,536
Women's and growing girls'	"	12,718,738	47,603,220
Footwear, moccasins, including shoe packs:			
Babies'	"	26,127	18,283
Boys'	"	7,085	17,189
Children's	"	1,009	1,858
Men's	"	51,173	160,744
Youths'	"	1,749	3,294
Women's, misses' and growing girls'	"	53,780	102,676
Not specified	"	193,116	623,697
Footwear, rubber:			
Knee and hip boots, all rubber	"	2,134,907	7,260,635
Lumbermen's boots, all rubber	"	762,409	2,619,624
Lumbermen's boots, leather tops	"	223,092	2,069,787
Overshoes and goloshes, cloth uppers	"	1,227,676	5,369,283
Overshoes and goloshes, all rubber (lined and unlined)	"	3,655,851	12,760,082
Light and heavy rubbers	"	3,807,835	4,467,256
Rubber bottoms for leather tops	"	247,912	697,164
Utility footwear with canvas or other fabric tops	"	3,642,506	7,847,506
Forgings, including drop, shell, etc.	—	—	23,795,775
Forks, farm implements	—	—	398,126
Forms, continuous, printed	No.	307,550	11,414,388
Fountains, soda and luncheonette equipment	—	—	766,901
Frames and cases, spectacle	—	—	1
Freezers, ice cream	—	—	1
Freezers, individual, home and farm	—	—	1
Fringes, cords and tassels	No.	8,401	2,882,056
Frit, enamel	—	—	854,760
Fruit drinks	—	—	1
Fruit juices, canned, bottled, etc., including grape juice	lb.	44,805,365	230,251
Fruit peel, candied	"	2,474,942	3,078,332
Fruit pulp	—	—	691,065

1. Indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1951 - Continued

Items	Unit of measure	Quantity	Value
			\$
Fruit, canned:			
Apples, including crab apples.....	lb.	14,465,205	1,222,508
Apple sauce.....	"	6,607,683	756,755
Apricots.....	"	4,593,560	962,881
Blackberries.....	"	417,630	96,864
Blueberries.....	"	2,261,463	454,425
Cherries.....	"	9,014,536	1,528,516
Loganberries.....	"	292,728	70,544
Peaches.....	"	51,252,636	8,042,007
Pears.....	"	22,247,222	3,660,381
Plums.....	"	10,781,209	1,092,666
Raspberries.....	"	4,108,569	959,521
Rhubarb.....	"	756,697	57,727
Strawberries.....	"	3,800,124	937,434
Other fruits, not specified (pineapple, fruit salad, etc.).....	"	3,646,183	778,102
Fruits, fountain.....	"	2,189,419	573,265
Fruits, glacé.....	"	3,763,780	1,546,565
Fruits, maraschino cherries.....	"	2,467,097	1,338,214
Fruits, frozen for re-processing.....	"	7,776,973	1,496,906
Fruits, frozen, not for reprocessing.....	"	5,407,176	1,274,299
Fruits in SO ₂ for reprocessing.....	"	9,382,032	850,105
Fruits, not specified.....	"	151,982	380,079
Fuel, hog.....	(200 cu. ft.)	331,518	319,960
Funnels, sheet metal.....	—	—	28,410
Fur dressing and dyeing.....	—	—	5,302,761
Fur trimmings.....	—	—	2,207,899
Fur, remodelling, repairing, etc.....	—	—	6,277,496
Furnaces, electro-metallurgical.....	No.	39	852,436
Furnaces, warm air.....	"	88,418	14,295,130
Furnaces, industrial, other.....	—	—	696,510
Furnaces, not specified, and furnace parts.....	—	—	1,351,404
Furniture, wood:			
Camp, lawn and verandah.....	—	—	512,504
Children's.....	—	—	2,205,202
Household:			
Bedroom.....	—	—	22,865,989
Breakfast-room.....	—	—	1,203,267
Dining-room.....	—	—	4,947,448
Kitchen.....	—	—	3,965,376
Living-room (not upholstered).....	—	—	7,201,936
Other.....	—	—	3,871,340
Office, store and restaurant.....	—	—	17,164,581
School, church, lodge, etc.....	—	—	6,832,051
Other, furniture and cabinet work, n.e.s.....	—	—	5,419,444
Furniture, metal:			
Breakfast-room.....	—	—	5,435,424
Camp, lawn and verandah.....	—	—	677,701
Household (including chrome).....	—	—	8,128,984
Office, store and restaurant, etc.....	—	—	9,248,967
Other, not specified.....	—	—	6,011,440
Furniture, wood or metal:			
Living-room (upholstered).....	—	—	27,481,639
Theatre.....	—	—	1,092,886
Not specified (upholstered).....	—	—	3,767,364
Furniture, not specified:			
Camp, lawn and verandah.....	—	—	42,674
Not specified.....	—	—	225,931
Furniture frames and parts:			
Wood.....	—	—	3,101,219
Metal.....	—	—	217,945
Not specified.....	—	—	150,000
Furniture glides.....	—	—	1
Fuses and fuse wire.....	—	—	4,392,828
Gaiters, spats and leggings.....	—	—	101,294
Galvanized ware.....	—	—	2,145,619
Games, not specified.....	—	—	1,236,618
Garage equipment, n.e.s.....	—	—	2,606,960
Gas made:			
Retort coal gas.....	M. cu. ft.	13,781,843	
Coke oven gas.....	"	51,326,888	
Producer gas.....	"	1,047,589	
Water gas.....	"	10,067,177	
Other.....	"	1,263,325	
Gas sold.....	"	25,959,987	29,087,074
Gas used in own coke or gas plants.....	"	17,263,382	3,486,934
Gas used in associated metallurgical work.....	"	31,038,873	5,307,912
Gas, otherwise accounted for, but not sold.....	"	391,181	209,070
Gas, not accounted for.....	"	2,583,932	1,490,184
Gas, still, from petroleum refineries.....	"	17,642,679	8,642,261
Gas, oil, pintsch.....	—	—	1
Gasoline.....	imp. gal.	1,845,846,568	300,360,166
Gates.....	No.	31,138	467,469
Gauges, pressure.....	—	—	395,837
Gauges, plug, ring, thread, etc.....	—	—	371,190
Gears, rubber tired, truck, trailers, etc.....	—	—	1,418,451
Gears, transmission.....	—	—	1
Gelatine.....	—	—	1

1. Indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1951 - Continued

Items	Unit of measure	Quantity	Value
			\$
Generators:			
Alternating current	No.	183	15,387,647
Direct current	"	457	862,966
Generators, engine driven	"	—	1
Generator parts	"	—	579,158
Glass, bevelled and polished edge, plates and sheets	"	—	1,356,645
Glass, cut	"	—	909,852
Glass, leaded, including memorial windows	"	—	236,376
Glass, non-shatterable	"	—	10,846,553
Glass, pressed, blown and drawn including bottles, sealers, window, kitchenware, etc.	"	—	36,009,205
Glass vials and chemical glassware	"	—	549,148
Glass products, other, including windshield glass	"	—	2,668,581
Glasses, sun	"	—	1
Gloves and mittens, fabric, dress:			
Cotton, women's	doz. pr.	43,755	572,888
Cotton, children's	"	3,981	31,052
Rayon and silk, women's and children's	"	80,563	635,053
Other, including nylon, chamoisette, etc.	"	54,324	621,656
Gloves and mittens, fabric, work:			
Cotton, men's	"	691,818	2,349,898
Cotton, women's	"	14,793	43,773
Not specified	"	88,930	502,227
Gloves and mittens, fabric, not specified	"	92,118	598,596
Gloves and mittens, knitted	"	300,990	2,669,981
Gloves and mittens, leather, dress:			
Men's, lined	"	84,442	2,399,949
Men's, unlined	"	34,592	902,699
Women's and children's, lined	"	32,550	595,959
Women's and children's, unlined	"	27,555	694,230
Gloves and mittens, leather, work:			
Men's, lined	"	75,670	1,139,504
Men's, unlined	"	399,083	5,601,187
Men's, not specified	"	15,287	108,558
Women's and children's, lined	"	42,325	509,501
Women's and children's unlined	"	11,140	92,430
Gloves and mittens, leather, sport (see also, "Sport gloves and mittens, baseball, hockey etc.")	"	13,632	143,536
Gloves and mittens, fur and fur-lined	"	1,620	34,050
Gloves and mittens, n.e.s.	"	28,001	133,757
Gloves, rubber and rubberized	"	212,101	1,160,240
Glucose	"	—	1
Glue (bone, hide, fish, and vegetable)	lb.	46,650,946	7,924,098
Glue stock	"	33,485,943	513,064
Gluten feed	"	—	1
Gluten, wheat	"	—	1
Glycerine, crude	lb.	2,827,694	1,252,851
Glycerine, refined	"	10,098,721	6,502,379
Glycol, ethylene	"	—	1
Glycols, other	"	—	1
Gold alloys	"	—	6,621,434
Gold, fine	"	—	958,697
Gold leaf	"	—	1
Golf clubs (complete)	No.	189,970	1,130,442
Golf supplies, including golf bags, carts, etc. (see also, "Balls, golf")	"	—	114,594
Grains, roasted	lb.	337,682	13,352
Grains sold wet and dry (Breweries and distilleries)	ton	178,573	2,734,279
Granite, monuments	"	—	2,654,843
Granite, for building purposes	"	—	621,405
Granules, roofing	"	—	1
Grape concentrate	"	—	1
Grape juice (Included in "Fruit juices".)	"	—	1
Graphite (Included in "Electrodes, carbon and graphite".)	"	—	648,748
Grate bars and grating	"	—	219,333
Gravy preparations	"	—	1,081,260
Grease	"	—	4,496,896
Grease, lubricating	lb.	49,330,954	1,100,113
Grills and hot plates, electric, including stoves for glass coffee-makers	No.	194,060	202,511
Grinding machines (metal working)	"	—	3,441,853
Grinding balls	"	—	1
Guanidine nitrate	"	—	423,289
Gums, unvulcanized	lb.	1,196,927	97,682
Gymnasium supplies, not specified	"	—	230,924
Gypsum blocks and sheathing	sq. ft.	5,532,060	3,179,456
Hair, animal	lb.	5,528,702	1,407,154
Hair cloth	sq. yd.	1,672,890	79,649
Hair nets (Included in "Hair dressing equipment and accessories")	"	—	359,296
Hair goods, not specified	"	—	73,737
Hair dressing equipment and accessories	No.	34,854	26,597
Halters, leather	"	6,080	901,103
Hammocks	doz.	739,005	927,707
Handkerchiefs	No.	11,393,306	1,146,856
Handles, broom and mop	"	2,343,320	791,698
Handles, long tool and axe	"	14,431,847	627,769
Handles, small tool	"	—	1,428,866
Handles, n.e.s.	"	—	398,031
Hangers, garment	"	—	8,149,326
Hardware, appliance (for refrigerators, etc.)	"	—	—
Hardware, automobile	"	—	—

1. Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1951 - Continued

Items	Unit of measure	Quantity	Value
			\$
Hardware, builders'	—	—	14,961,726
Hardware, furniture	—	—	2,449,395
Hardware, harness and saddlery	—	—	305,473
Hardware, pole-line (line materials, distribution specialties, etc.)	—	—	8,293,016
Hardware, trunk and suitcase	—	—	343,128
Hardware, not specified	—	—	6,746,103
Harness, double	set	1,475	156,770
Harness, single	"	1,298	69,520
Harness collars	—	—	165,726
Harness parts	—	—	623,035
Harrows, disc (horse or tractor drawn)	No.	51,080	801,053
Harrows, drag and spring tooth	"	20,985	6,001,787
Harrow carts	—	—	1
Hassocks	—	—	272,598
Hat blocks	No.	2,274	39,750
Hats, cotton:			
Men's	doz.	29,491	602,867
Women's	"	5,808	65,130
Children's	"	13,441	90,208
Hats, fur felt:			
Men's	"	107,437	5,258,857
Women's and children's	"	43,605	2,273,178
Hats, linen, women's	"	500	4,400
Hats, wool felt:			
Men's	"	22,097	417,703
Women's	"	97,856	2,618,014
Children's	"	10,978	171,672
Hats, velour felt:			
Women's	"	18,521	1,038,028
Other	"	303	18,180
Hats, straw:			
Men's	"	4,514	123,410
Women's	"	122,642	4,435,084
Children's	"	36,999	208,797
Hats, panama	"	2,870	105,804
Hats, silk and rayon, women's and children's	"	16,198	404,037
Hats, velvet, women's and children's	"	37,726	1,031,091
Hats, wool, women's and children's	"	15,311	311,007
Hats, waterproofed	"	640	9,585
Hats, not specified:			
Men's	"	22,959	160,823
Women's	"	22,286	463,604
Children's	"	80	2,000
Tams, berets and turbans	"	13,712	246,363
Headwear, not specified	"	—	1,284,226
Hats and caps, fur	No.	33,260	129,862
Hats, cleaned and reblocked	—	—	44,302
Hat bodies	doz.	149,634	1,805,415
Hatters' supplies, including hat linings	—	—	282,218
Hay carriers	—	—	1
Hay loaders	No.	6,467	1,119,685
Hay rakes, dump, tedders, etc.	"	16,298	2,497,341
Hay balers	—	—	1
Heading, barrel	—	—	599,663
Hearing aids	—	—	1
Heaters, air, electric	No.	99,929	917,131
Heaters, auto and engine	—	—	4,888,893
Heaters, boiler, feed, water	—	—	1
Heaters, electric, unit	—	—	3,858,253
Heaters, water tank, coal, wood or oil	No.	2,914	137,002
Heaters, water tank, gas	"	31,546	1,499,018
Heaters, water tank, electric	"	258,255	3,481,410
Heaters, not specified	—	—	33,641
Heating and ventilating equipment, not elsewhere specified	—	—	11,363,411
Hectograph composition	—	—	20,465
Heels, leather and wood	pr.	18,485,213	2,548,111
Heels, rubber and composition	"	12,625,465	1,539,132
Heel lifts	—	—	5,133
Helmets	—	—	132,759
Hexachlorethane	—	—	1
Hides, all kinds	doz.	37,673	19,996,238
Hockey pucks	No.	1,275,231	41,347
Hockey sticks	"	203,967	918,093
Hoes, hand	—	—	186,329
Holists	—	—	4,117,168
Hollow-ware, sterling silver	—	—	414,307
Hollow-ware, silver-plated on Britannia metal	—	—	160,189
Hollow-ware, silver-plated on brass and copper	—	—	1,928,151
Hollow-ware, silver-plated on lead alloy	—	—	111,143
Hollow-ware, silver-plated on nickel-silver	—	—	124,252
Hollow-ware, other	—	—	317,311
Honey butter	—	—	1
Hooks, eyes, notions, etc., not elsewhere specified	—	—	285,380
Hoops, wooden	M.	2,259	76,733
Hoops, steel and steel wire	"	6,115	222,357
Hooves and horns	lb.	1,210,487	34,256
Hormones, sex	—	—	1,255,574
Horseshoes, prepared	lb.	218,572	110,173

1. Indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1951 - Continued

Items	Unit of measure	Quantity	Value \$
Horseshoes	—	—	359,967
Hose, fire, cotton or linen	—	—	1
Hose, garden, koroseal	—	—	1
Hose, rubber, fire, radiator, steam etc.	—	—	12,536,307
Hosiery:			
Cotton and cotton mixtures:			
Men's, seamless:			
Work socks	doz. pr.	221,070	832,812
Fine socks	"	270,119	1,488,440
Other (anklets, sports, etc.)	"	407,454	1,886,035
Women's, seamless:			
Full length stockings	"	306,418	1,365,126
Other (anklets, sports, etc.)	"	489,986	1,095,461
Children's, seamless:			
Full length stockings	"	364,678	1,427,310
Golfers	"	77,982	359,516
Other	"	1,311,335	2,816,036
Full fashioned (all types)	"	74,372	710,449
Silk and silk mixtures, seamless and full-fashioned	"	34,147	418,499
Rayon and rayon mixtures:			
Men's, seamless	"	55,791	300,431
Women's, seamless	"	63,616	558,680
Children's, seamless	"	97,885	307,573
Full-fashioned (all types)	"	44,071	406,111
Nylon:			
Seamless	"	503,770	3,754,020
Full-fashioned	"	3,534,583	35,603,764
Wool and wool mixtures:			
Men's, seamless:			
Work socks	"	821,460	6,245,851
Fine socks	"	636,384	5,980,221
Other	"	351,454	3,196,953
Women's, seamless:			
Full length stockings	"	64,904	619,027
Other (anklets, etc.)	"	74,335	365,600
Children's, seamless:			
Full length stockings	"	111,718	721,909
Golfers	"	99,660	609,149
Other (half length, anklets, etc.)	"	76,236	365,344
Not specified	"	167,276	1,204,075
Houses, pre-fabricated	—	—	4,885,133
Humidifiers and air conditioners	—	—	95,261
Hydrants	No.	7,086	986,636
Hydrogen	cu. ft.	112,452,935	410,736
Hydrogen chloride, anhydrous	—	—	1
Hydrogen peroxide	—	—	1
Hydrol	—	—	1
Ice, artificial	ton	916,711	5,375,872
Ice cream (factory)	gal.	24,452,217	40,641,686
Ice cream mix	"	1,097,796	1,838,580
Ice cream sundries	—	—	174,745
Icings and icing paste n.e.s.	—	—	235,061
Implements, hand, n.e.s.	—	—	145,230
Incense	lb.	9,730	14,245
Incubators and other poultrymen's supplies	—	—	654,119
Infants' wear (See also "Knitted Infants' Wear"):			
Bibs	doz.	47,870	104,454
Coats	"	21,278	1,705,046
Dresses	"	74,929	1,020,612
Diapers	"	88,129	220,259
Headwear	"	57,336	341,970
Night gowns	"	31,898	154,926
Rompers	"	41,539	505,213
Sleepers (See also "Children's sleepers")	"	23,530	316,910
Sleeping bags	"	7,555	392,099
Slips	"	2,826	13,234
Not specified	—	—	63,957
Ingots (See "Aluminum", "Steel", "Brass", "Bronze")	—	—	—
Ink eraser, liquid	—	—	1
Ink, printing and lithographing	lb.	22,051,887	9,088,296
Ink, writing	—	—	288,762
Ink, not specified	—	—	200,189
Insecticides	—	—	3,496,564
Instruments, scientific, n.e.s.	—	—	1
Insulating materials, n.e.s.	—	—	2,789,094
Insulators, porcelain and insulator parts	—	—	7,675,937
Interoffice communication sets, excluding telephone apparatus provided	—	—	197,293
Iron, pig:			
Quantity made	ton	2,552,893	—
Quantity sold	"	726,357	36,891,960
Iron and steel products, rolled, n.e.s.	"	42,857	3,716,384
Irons, electric	No.	454,220	3,113,381
Irons, gasoline	—	—	1
Ironers, electric	No.	10,342	895,429
Iron work, ornamental and architectural	—	—	9,614,452
Ironing boards	—	—	96,731
Irrigation equipment	—	—	172,881
Isobutylene	—	—	1

1. Indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1951 - Continued

Items	Unit of measure	Quantity	Value \$
Jacks, auto	—	—	1
Jams	lb.	67,977,737	12,441,497
Javelle water	—	—	5,328,292
Jellies	lb.	5,008,887	971,919
Jewellery	—	—	16,012,399
Jigs and fixtures	—	—	1,375,258
Jointers, woodworking	No.	3,557	151,427
Jute, jute paddings and jute yarn	—	—	1,746,003
Kegs, beer	No.	4,840	83,837
Kegs, fish	"	5,199	16,100
Kegs, nail, etc.	—	—	977,929
Kerosene	imp. gal.	21,943,377	3,519,655
Kettles, electric	—	—	1
Kitchen equipment for hotels, cafeterias, etc.	—	—	3,788,868
Kitchenware, aluminum, including pressure cookers	—	—	9,130,152
Kitchenware and ovenware, glass, (Included with "Glass, pressed and blown")	—	—	—
Kitchenware, other (See also "Woodenware, kitchen")	—	—	4,642,855
Knitted fabrics:			
Cotton stockinette, including meatwrap	lb.	891,541	1,129,726
Cotton, not specified	"	1,738,084	2,540,127
Nylon	"	711,202	2,848,127
Rayon	—	—	5,151,191
Wool	lb.	369,553	1,401,660
Other	—	—	693,515
Knitted goods, miscellaneous:			
Infants' jackets, booties, etc.	doz.	307,689	3,464,908
Not specified	—	—	290,397
Knitting, custom	—	—	82,443
Knives, machine	—	—	1,781,953
Knives, bread, paring, etc.	—	—	24,964
Labels, gummed paper	—	—	471,124
Labels, fabric	—	—	1,197,892
Labels, not specified	—	—	106,996
Lace, all kinds	—	—	927,404
Laces, corset	—	—	67,600
Laces, shoe (silk, cotton, etc.)	—	—	1,071,710
Laces, shoe, leather	—	—	6,447
Lacquers	doz. pr.	5,262	6,957,635
Lacrosse sticks	imp. gal.	2,162,162	1
Lactose (see "Sugar of Milk")	—	—	1
Ladders, step, extension, etc.	—	—	1,344,556
Lamps, incandescent, except therapeutic (bulbs)	No.	94,006,324	12,176,899
Lamps, fluorescent (bulbs)	"	5,262,530	3,252,267
Lamps, electric:			
Floor:	—	—	—
Incandescent	—	—	2,259,856
Fluorescent	—	—	414,430
Table:	—	—	—
Incandescent	—	—	2,359,690
Fluorescent	—	—	243,214
Other:	—	—	—
Incandescent	No.	139,102	287,764
Not specified	—	—	—
Lamps, other than electric	—	—	133,176
Lamp shades and wire frames	—	—	2,136,028
Lamp stands and lamp bases	—	—	744,400
Lanterns, including railway, marine, etc.	—	—	1
Lard	lb.	87,307,769	19,083,429
Lasts, trees, and shoe findings, not specified	—	—	1,173,022
Latex compounds	—	—	1
Latex, foamed (Included in "Rubber goods, sponge and soft")	—	—	—
Lathes, metal-working	No.	381	1,701,222
Lathes, wood-working	"	2,414	60,025
Lath, metal	—	—	1,184,968
Lath, gypsum	—	—	6,553,202
Laths, wood	sq. ft.	228,645,066	1,066,161
Lead, naphthenate	M.	107,409	1
Lead, refined	—	—	10,049,095
Lead, red	lb.	51,125,593	815,996
Lead, white, dry	"	3,640,177	1
Lead, white, ground in oil	—	—	374,048
Lead, sheet	lb.	1,715,746	1,258,184
Lead products, n.s.	"	5,093,889	639,284
Lead for pencils	—	—	104,505
Leather:			
Belting	lb.	457,369	824,616
Bag, case and strap	sq. ft.	2,570,106	1,700,106
Garment	"	1,498,648	542,650
Glove	—	—	5,864,780
Harness	—	—	1,107,836
Lace	lb.	1,306,310	224,704
Oil tanned, shoe-pack	"	151,863	86,496
Sole:	—	—	—
Bellies	"	217,901	2,242,017
Bends	"	8,307,057	1,107,442
Shoulders	"	3,220,217	6,468,438
Upholstering (Included in "Leather, not specified")	"	—	1,888,746

1. Indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1931 - Continued

Items	Unit of measure	Quantity	Value
			\$
Leather - concluded			
Upper leather:			
Calf skins	sq. ft.	6,386,704	5,416,216
Cattle and horse hides	"	35,035,740	19,246,932
Chrome splits	"	10,051,457	2,240,114
Goat skins	"	695,578	277,952
Sheep skins	"	1,143,290	330,893
Wax splits	"	344,525	99,333
Patent and enamelled shoe leather (Included in "Other upper leather, not specified")			
Other, not specified	"	3,898,661	1,848,979
Leather splits, not specified	"	—	1,053,864
Leather, not specified	"	—	3,517,555
Leather, artificial	sq. yd.	4,012,071	5,208,790
Leather goods, not specified	"	—	86,517
Lecithin	"	—	1
Lemon butter and cheese	"	—	49,168
Lenses, optical	No.	3,385,630	3,291,512
Lenses, optical, contact	"	—	19,900
Life buoys, jackets, belts, etc.	"	—	220,436
Lighter fluid	"	—	587,701
Lighters, cigarette	"	—	1,702,227
Lightning arresters n.e.s.	No.	575,682	943,893
Lightning rods and supplies	"	—	377,366
Lignosulphonates	"	—	1
Lime, quick (including value of containers)	"	—	14,705,639
Limestone (building and monument)	"	—	2,329,437
Line material (See "Hardware, pole-line")	"	—	3,016,627
Linings, brake, asbestos	"	—	1,824,697
Linings, glove and shoe	"	—	915,480
Linings, not specified	"	—	2,738,899
Litharge	lb.	13,324,539	41,893,150
Locomotives, diesel-electric, new	No.	267	14,751,541
Locomotives and car parts n.e.s.	"	—	64,097
Looms, weaving	"	—	1,068,467
Lubricating systems, automobile and other	M. ft. b.m.	266,009	24,484,538
Lumber, matched	"	2,566,214	216,958,904
Lumber, planed	"	5,311,997	365,780,466
Lumber, sawn	"	—	8,292,725
Lumber, not specified	"	—	1
Lye	lb.	29,649,275	4,020,369
Macaroni and spaghetti, canned	"	69,464,678	8,020,007
Macaroni, vermicelli, spaghetti, etc., dry	"	—	—
Machinery:			
Accounting machines	"	—	1
Adding and other calculating	No.	19,277	2,271,763
Bakers', mixing	"	—	606,202
Bakers', not elsewhere specified	"	—	780,854
Boring (metal-working)	No.	9	229,233
Bottlers'	"	—	1
Canning and parts	"	—	1,223,476
Cheese factory	"	—	131,074
Chlorinating	"	—	1
Cleaning and pressing (Included in "Laundry, cleaning and pressing")	"	—	—
Coal handling and coal pulverizing	"	—	989,716
Concrete and cement making	"	—	1,812,343
Conveying and elevating (except passenger and freight elevators) and parts	"	—	11,590,583
Dairy, including milking machines	"	—	3,389,493
Flour and grist mill, not elsewhere specified	"	—	274,969
Grain grinding, cleaning, etc.	"	—	205,246
Grain loaders and elevators	"	—	2,818,840
Hoisting, except mine hoists	"	—	7,333,721
Kitchen and other household	"	—	1,455,400
Knitting	"	—	1
Laundry, cleaning and pressing	"	—	2,703,658
Leather working	"	—	1,579,408
Logging	"	—	3,079,409
Lumber and shingle drying	"	—	1
Metal-working, not elsewhere specified	"	—	36,129
Metering (power plant)	"	—	1
Milking (included in "Machinery, Dairy")	"	—	—
Milling (metal-working)	"	—	1
Mining and metallurgical, not elsewhere specified, and parts	"	—	5,769,673
Office, n.e.s.	"	—	9,068,989
Oil refining	"	—	4,484,056
Plastics	"	—	245,189
Printing	"	—	373,995
Pulp and paper	"	—	18,886,588
Road and excavating	"	—	4,947,810
Rolling mill	"	—	660,002
Rubber mill	"	—	890,968
Saw and planing mill	"	—	3,046,828
Sewing	"	—	1
Ships' and fittings	"	—	1,038,863
Stone working	"	—	865,731
Textile, n.e.s.	"	—	440,353
Transmission	"	—	2,428,832
Vulcanizing	"	—	1

1. Indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1931 - Continued

Items	Unit of measure	Quantity	Value
			\$
Machinery — concluded:			
Washing machines:			
Electric	No.	225, 100	25, 021, 074
Hand	"	382	6, 672
Other power	"	11, 254	1, 418, 720
Parts and accessories	"	—	568, 414
Water softener equipment	"	—	1
Wood-working, n.e.s.	"	—	840, 127
Other, not specified	"	—	10, 722, 167
Machinery parts, not specified	"	—	2, 084, 415
Malt, made for sale	"	—	1
Malt, caramel (made for colouring)	"	—	1
Malt flour	lb.	882, 527	86, 915
Malt extract and syrup	"	—	1, 044, 578
Malt coomings and sprouts	ton	9, 709	297, 846
Manganese naphthenate	"	—	1
Mantles, lamp	"	—	1
Manure spreaders and loaders	No.	8, 978	2, 322, 804
Maple butter	"	—	1
Maps	"	—	709, 411
Marble chips and dust	"	—	4, 784
Marble monuments	"	—	619, 383
Marble for building purposes	"	—	562, 769
Margarine	lb.	108, 351, 572	35, 220, 018
Marine and fishermen's supplies	"	—	502, 083
Markers, animal, poultry, etc.	"	—	1
Marmalades	lb.	17, 484, 211	2, 870, 570
Match splints and match blocks	"	—	1
Matchers (wood-working)	"	—	1
Matches	"	—	4, 230, 664
Mats and matting, rubber	"	—	3, 409, 530
Mattresses, including air and sponge	No.	1, 086, 254	16, 579, 619
Meal, alfalfa	ton	38, 259	2, 008, 903
Meal, barley	"	17, 954	1, 202, 080
Meal, cereal grass	"	10, 655	752, 203
Meal, coconut oilcake	"	—	1
Meal, corn	ton	5, 702	690, 740
Meal, fish	"	56, 461	7, 823, 817
Meal, linseed oilcake	"	63, 185	4, 705, 664
Meal, meat, hoof, lung, liver, etc.	"	21, 082	2, 517, 795
Meal, rapeseed oilcake	"	—	1
Meal, pea	lb.	16, 000	798
Meal, rice	"	—	1
Meal, rye	ton	382	37, 527
Meal, sunflower oilcake	"	—	1
Meal, soybean oilcake	ton	178, 399	13, 295, 231
Meats, canned:			
Beef:			
Spiced beef	lb.	953, 365	498, 624
Beef stews and boiled dinners	"	17, 328, 050	5, 316, 227
Other including corned beef, beef sausage, roast beef, etc.	"	3, 276, 105	1, 411, 391
Pork:			
Spiced pork and ham	"	20, 662, 129	11, 878, 690
Roast pork and ham	"	6, 166, 491	4, 790, 803
Sausage	"	1, 431, 441	751, 595
Other including bacon, devilled ham, pigs' feet, etc.	"	2, 111, 468	1, 524, 933
Poultry	"	1, 397, 519	1, 265, 166
Miscellaneous:			
Weiners	"	837, 710	432, 772
Meat paste (Included in "Paste, meat and chicken")	"	—	—
Meat lunch	"	429, 392	218, 960
Other, including bologna, lunch tongue, etc.	"	6, 367, 129	2, 665, 539
Meats, cooked, all kinds	"	46, 664, 576	29, 603, 688
Meats, cured:			
Bacon and sides	"	75, 794, 952	42, 331, 068
Beef, salted and cured	"	3, 292, 120	1, 386, 401
Hams	"	48, 250, 840	29, 674, 290
Pork, salted	"	20, 000, 328	5, 152, 737
Shoulders	"	45, 009, 567	24, 582, 886
Other	"	32, 112, 602	14, 668, 974
Meats sold fresh:			
Beef	"	551, 384, 502	288, 139, 201
Fancy meats	"	44, 966, 068	14, 657, 121
Horse	"	11, 898, 267	1, 041, 981
Mutton and lamb	"	17, 954, 100	10, 105, 099
Pork	"	281, 545, 620	118, 505, 879
Poultry	"	24, 414, 687	13, 141, 032
Veal	"	60, 435, 146	32, 790, 126
Other	"	492, 297	265, 795
Meats sold frozen:			
Beef	"	22, 193, 568	11, 279, 557
Fancy meats	"	8, 300, 166	2, 698, 572
Horse	"	5, 850, 358	515, 267
Mutton and lamb	"	4, 279, 258	2, 250, 392
Pork	"	29, 290, 307	11, 636, 374
Veal	"	3, 785, 682	2, 134, 641
Other	"	23, 234	13, 240
Meat scrap	"	77, 855, 191	4, 236, 007

1. Indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1951 - Continued

Items	Units of measure	Quantity	Value
			\$
Medicines and pharmaceuticals, n.e.s.:			
Registered as patent medicines (all ingredients not declared)	—	—	16,284,750
Ethical specialties (ingredients declared):			
Sold on physician's prescription	—	—	21,392,767
Sold without a physician's prescription	—	—	9,016,758
Other, including human medicines, antiseptics, etc.	—	—	5,821,930
Metal products, not specified	—	—	758,287
Meters, gasoline	—	—	1
Meters, water	—	—	1
Meters, not specified and meter parts	—	—	460,285
Methyl hydrate, refined	—	—	1
Mica products	—	—	504,303
Military web equipment	—	—	1
Milk, sold in dairy factories	gal.	151,201,266	104,844,637
Milk, transferred to other branches of the firm	"	10,105,066	3,613,612
Milk, buttermilk, sold	—	—	1,248,236
Milk, buttermilk, condensed	lb.	345,369	11,731
Milk, condensed	"	19,540,005	3,574,578
Milk, evaporated	"	290,441,772	36,442,170
Milk, skim	—	—	1,660,039
Milk, skim, condensed	lb.	6,282,688	614,685
Milk, skim, evaporated	"	10,322,871	441,560
Milk products, not specified	"	12,788,142	2,798,477
Milk drinks, (see "Food Drinks")	—	—	—
Milling cutters	—	—	1,317,787
Minced meat	lb.	6,964,832	1,162,876
Mine timbers, props, wedges, etc.	—	—	1,762,926
Mirrors	—	—	3,828,670
Modelling clay	—	—	1
Molasses	ton	45,110	1,970,647
Monuments, lettered only	—	—	472,112
Monuments, (see "Granite", "Limestone" and "Marble")	—	—	—
Monuments, artificial stone, bases, etc.	—	—	266,454
Mops:			
Floor	doz.	222,470	1,579,595
Dust	"	50,643	491,771
Dish	"	41,366	58,761
Other, not specified	—	—	275,484
Mop parts	—	—	69,709
Mortisers (wood working)	No.	91	32,501
Motors, electric, A.C. and D.C. (except starting motors)	"	1,671,713	40,904,526
Motors, other and parts	—	—	3,251,940
Moulders, wood-working	No.	50	238,917
Mouldings	—	—	9,750,270
Moulds for bakelite and rubber	—	—	4,423,727
Mounting (trade work)	—	—	1,489,392
Mowers, hay (horse and tractor)	No.	16,540	2,617,253
Mowers, lawn	"	45,839	1,210,510
Mucilage	—	—	113,968
Muffs, fur	No.	848	18,479
Muff beds	doz.	705	18,874
Munitions and other war supplies	—	—	15,940,288
Muriate of potash	ton	992	56,225
Music, printed	—	—	133,053
Musical instruments and parts, n.e.s.	—	—	97,796
Mustard, dry	lb.	256,936	71,320
Mustard, prepared	gal.	938,195	1,238,171
Mustard, compound	lb.	149,105	35,293
Nails, aluminum	—	—	481,986
Nails, brass and copper:			
Quantity made	lb.	358,633	—
Quantity sold	"	348,238	178,255
Nails and spikes cut from plate:			
Quantity made	kg	27,260	—
Quantity sold	"	25,281	288,954
Nails, tacks and brads, wire:			
Quantity made	kg	1,880,712	—
Quantity sold	"	1,834,420	14,341,666
Nails, horseshoe and other, n.e.s.	—	—	223,820
Naphthalene	—	—	1
Naphtha V.M. and P. or solvent	imp. gal.	35,498,165	6,556,842
Napkins, paper	M.	2,213,040	2,529,744
Neckties	doz.	826,592	7,149,842
Neckwear, women's	"	62,827	492,094
Neck pieces, fur	No.	43,139	866,451
Needles, knitting machine	—	—	1
Needles, knitting, other	—	—	66,021
Nickel salts	—	—	1
Nickel - silver, n.e.s.	lb.	136,490	111,625
Nightdresses:			
Cotton and flannelette	doz.	74,777	1,404,509
Silk, nylon and rayon	"	111,923	2,663,002
Night dresses, knitted and other, n.e.s.	"	24,758	865,802
Nightshirts	"	2,733	55,298
Nitrobenzol	—	—	1
Nitrogen	—	—	1
Nitroguanidine	—	—	1
Nitrous oxide	—	—	1

1. Indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1951 - Continued

Items	Units of measure	Quantity	Value
			\$
Non-ferrous alloys, n.e.s.	lb.	750,569	198,598
Novelties, advertising and other, n.e.s.	—	—	1,061,371
Novelties, plastic	—	—	1,179,595
Novelties, printed	—	—	1,279,405
Nuts, roasted, salted, etc. (See also "Peanuts, roasted, salted")	lb.	2,224,669	2,391,301
Nylon fabric (See "Silk and synthetic fabrics" and "Knitted fabrics")	—	—	—
Oars and paddles	—	—	171,864
Oats, rolled	ton	51,720	8,041,412
Oatmeal	"	8,543	781,155
Offal, not specified	—	—	4,483,160
Oil burners and parts	—	—	11,904,819
Oilcloth, other than floor	—	—	1
Oil, aniline	—	—	1
Oil, coconut, crude and processed	lb.	50,428,644	10,032,999
Oil, cooking (blended)	—	—	1
Oil, core	—	—	766,856
Oil, corn, crude	—	—	1
Oil, corn, refined	—	—	1
Oil, cotton seed	lb.	2,669,237	768,286
Oil, creosote	gal.	12,080,269	3,147,354
Oil, fish (vitamin)	lb.	8,810,193	2,169,075
Oil, fish (industrial)	"	56,711,413	7,956,171
Oil, fish, n.s.	"	327,947	36,897
Oil fuel:			
Aviation turbine	imp. gal.	8,105,524	1,212,969
Diesel	" "	262,883,649	31,535,848
Heavy fuel oil:			
For own use	" "	155,976,098	12,643,201
For sale	" "	827,216,938	65,223,370
Light fuel oil:			
For own use	" "	9,821,716	821,942
For sale	" "	512,815,319	62,259,507
Tractor	" "	17,111,937	2,801,124
Oil, fusel, (sold)	" "	43,638	28,220
Oil, lard	—	—	1
Oil, light n.e.s.	—	—	1
Oil, linseed, boiled	gal.	857,123	1,711,608
Oil, linseed, raw	"	4,111,330	6,866,661
Oil, linseed, special	"	4,718,771	7,919,065
Oil, lubricating	—	—	33,700,416
Oil, neatsfoot	lb.	577,311	144,625
Oil, oleo	"	2,056,991	393,174
Oil, palm and palm kernel	"	2,999,420	680,615
Oil, peanut	"	1,102,667	395,528
Oil, rapeseed	—	—	1
Oil, soybean	lb.	76,760,744	17,334,804
Oil, stand blown, enamel, etc.	imp. gal.	81,148	88,880
Oil, blended salad	—	—	1
Oil, stove	imp. gal.	256,642,575	34,960,229
Oils, sulphonated, textile oils and other textile chemicals	lb.	6,163,156	1,232,801
Oil, sunflower seed	"	6,608,473	1,769,179
Oil, vegetable, n.e.s.	"	25,158,456	6,851,239
Oils, other n.s.	—	—	2,011,524
Oleo stock	lb.	1,435,049	258,769
Olives, bottled, etc.	gal.	381,492	1,875,042
Optical equipment n.e.s.	—	—	61,500
Organs, pipe	No.	66	874,304
Organs, other, and parts	—	—	801,345
Ornaments, n.s.	—	—	694,543
Ovens, commercial, cooking	—	—	1
Ovens, industrial, electric	—	—	261,957
Overalls: (See also "Smocks, etc.")			
Bib:			
Men's and youths'	doz.	119,313	4,490,292
Boys'	"	19,162	382,428
Coveralls:			
Men's and youths'	"	45,657	2,604,740
Boys'	"	140	5,490
Dungarees and waist band:			
Men's and youths'	"	123,858	4,009,985
Boys'	"	65,608	1,400,915
Overall coats (jumpers) only	"	21,686	864,788
Smocks, dusters and shop coats	"	26,679	1,083,917
Children's, all kinds	"	221,303	3,299,879
Other, n.e.s.	"	374	7,361
Oxygen	cu. ft.	794,054,423	6,893,420
Packing, asbestos	—	—	592,004
Packing, rubber	lb.	1,355,194	524,549
Packing, not specified	—	—	1,301,401
Packing house equipment	—	—	73,191
Pads, electric, heating	No.	128,780	496,286
Pads, couch	"	11,345	103,713
Pads, shoulder	doz.	2,051,409	1,886,276
Pads, stamp	—	—	99,893
Pads, stair	—	—	1
Pads, sweat	—	—	50,329
Pads and padding, n.s.	—	—	1,617,317
Pails, paper	No.	11,619,619	349,276
Pails, tin	—	—	579,277

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Alphabetical List of Products Manufactured in Canada, 1951 - Continued

Items	Units of measure	Quantity	Value
			\$
Pails and tubs, wooden, etc.	—	—	—
Painting equipment, n.s.	—	—	24,403
Paint, varnish and enamel removers	gal.	112,991	1,553,451
Paints, cement	"	18,383	305,225
Paints, water-thinned:			42,190
Resin emulsion paints, paste and semi-paint form:			
Interior	imp. gal.	994,505	3,570,329
Exterior	"	20,107	60,523
Casein and other protein bound, (cold water paints):			
Interior	—	—	532,427
Exterior	—	—	185,349
Texture-type water paints	lb.	1,760,247	149,205
Calcimines:			
Hot Water	"	2,023,323	137,694
Cold Water	"	775,940	62,642
Paints, ready mixed (including asphalt and tar)	imp. gal.	11,118,369	41,618,375
Paints, paste (not including water-paste paints)	lb.	5,301,980	1,181,285
Paints and enamels, other (See also "Enamels")	—	—	833,885
Pallets (skids)	No.	276,557	787,170
Panel boards and cabinets (Included in "Switch gear and protective equipment")	—	—	—
Pants, breeches, etc:			
Breeches:			
Men's and youths':			
Cotton	"	1,045	38,794
Wool and wool mixtures	"	3,846	307,676
Boys':			
Cotton	"	950	25,018
Wool and wool mixtures	"	16,636	486,527
Pants and slacks, fine, separate, dress and sport:			
Men's and youths':			
Cotton or chiefly cotton	"	109,713	262,188
Rayon	"	518,173	2,591,678
Rayon mixtures, chiefly rayon	"	625,187	3,052,110
Wool	"	1,123,211	10,465,052
Wool mixtures, chiefly wool	"	376,475	2,236,314
Boys':			
Cotton or chiefly cotton	"	198,600	477,270
Rayon	"	192,898	651,782
Rayon mixtures, chiefly rayon	"	241,001	632,661
Wool	"	339,406	1,235,684
Wool mixtures, chiefly wool	"	301,158	792,237
Pants, soccer, hockey, etc.	"	30,740	126,535
Pants, uniform, separate:			
Men's and youths':			
Military	"	605,258	2,915,969
Non-military	"	106,138	1,147,328
Pants, work:			
Men's and youths':			
Cotton	doz.	198,873	6,455,469
Wool and wool mixtures	"	47,847	2,489,741
Not specified	"	2,511	69,653
Boys':			
Cotton	"	25,447	590,822
Wool and wool mixtures	"	8,735	260,657
Pants, baby (plastic, rubber, etc.)	"	238,588	598,804
Pants, rubberized and oiled	"	1,268	56,041
Pants, not specified	"	36,682	435,017
Paper:			
Adding machine and cash register	roll	7,743,513	363,039
Asbestos	—	—	1
Blotting, clay coated and enamelled	—	—	1
Blue print and photostat	—	—	1,518,941
Book (basic)	ton	96,667	21,921,056
Box cover, coloured	—	—	1
Writing pads, tablets, etc.	—	—	1,246,687
Building and roofing paper:			
Asphalt saturated rag and asbestos felt shingles and shingle type sidings	square	2,186,097	16,142,256
Mineral surfaced rag and asbestos felt roll roofing	"	919,062	3,524,240
Smooth surfaced rag and asbestos roll roofing	"	1,237,756	3,051,542
Roll type rag and asbestos felt siding	"	323,119	1,504,050
Tar and asphalt saturated rag and asbestos felts, not coated	ton	49,509	5,082,124
Tar and asphalt saturated and / or coated sheathings	"	16,113	2,258,249
Other felts and sheathings	—	—	170,126
Insulated siding	—	—	1
Building papers, n.s.	ton	91,589	7,907,360
Carbon	—	—	3,103,078
Cigarette tubes and paper	—	—	1
Coated paper and other n.e.s.	—	—	6,958,642
Corrugated (paper and wrappers)	—	—	1
Creped or crinkled	lb.	2,336,775	728,136
Fabric	—	—	1
Pine (basic)	ton	106,355	33,984,331
Poolscap, n.e.s.	—	—	153,629
Friction or flint glazed	—	—	1
Gummed (in sheets)	—	—	1
Special, industrial (basic)	ton	12,140	3,279,845
Lining, pan, shelf, etc.	—	—	449,244
Parchment, vegetable	—	—	1

1. Indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1951 - Continued

Items	Units of measure	Quantity	Value
			\$
Paper - concluded			
Oiled.....	—	—	1
Paper napkins and doilies (see "Napkins" and "Doilies")			
Newsprint paper: (basic)			
In sheets, for printing.....	ton	74,340	9,164,457
In rolls for printing.....	"	5,435,813	550,459,676
Side runs for pulping.....	"	47,901	4,426,046
Counter rolls.....	—	—	1
Other.....	ton	13,494	1,228,220
Printing and specialty paper, ground wood.....	"	50,059	7,884,872
Safety paper, for cheques, etc.....	—	—	1,009,684
Sanitary (basic).....	ton	76,577	16,734,137
Tissue, converted.....	—	—	696,138
Tissue, other than sanitary, (basic stock).....	ton	13,006	4,840,593
Toilet, converted.....	case	1,340,776	10,582,379
Towels, paper (see "Towels")			
Typewriter.....	ream	310,523	287,131
Vinylite.....	—	—	1
Wall paper.....	—	—	1
Waterproofed, other than waxed, n.e.s.	—	—	1
Waxed paper:			
Bread wrappers.....	lb.	32,516,023	6,744,504
Other, plain and printed.....	"	41,937,400	9,421,803
Wrapping paper: (basic stock):			
Unbleached sulphate kraft No. 1 and 2.....	ton	202,484	35,773,452
Bleached sulphate and / or sulphite.....	"	26,265	7,362,157
Unbleached and semi-bleached sulphite and sulphate.....	"	3,726	832,349
Miscellaneous furnishes.....	"	16,986	2,821,537
Wrapping, special.....	"	7,871	2,874,510
Paper, miscellaneous, n.e.s. (converted).....	—	—	1,093,564
Paper goods.....	—	—	768,406
Paper board:			
Box board (basic stock).....	ton	438,621	51,792,954
Building, rigid insulating.....	"	138,024	14,459,668
Building, other (basic stock).....	"	49,146	5,736,755
Container board:			
Container chip (basic stock).....	"	5,813	623,634
Corrugating board (basic stock).....	"	152,801	17,926,975
Liners (basic stock).....	"	223,226	26,965,789
Mounting board, photo, etc.....	—	—	1
Clay coated and enamelled.....	—	—	1
Coated other, not specified.....	—	—	4,131,733
Wallboard, building board, n.e.s.	—	—	2,935,947
Wet machine boards.....	ton	8,737	1,632,305
All other board and paper n.s.....	—	—	1,196,008
Papeteries (stationery in boxes) See also "Paper - writing pads, tablets, etc.".....	—	—	602,820
Parachutes and parachute equipment.....	—	—	1
Paraldehyde.....	—	—	1
Paste, adhesive.....	—	—	640,258
Paste, meat and chicken.....	lb.	4,591,194	2,414,689
Paste, flavouring.....	—	—	1
Paste, tooth (see "Dentifrices")			
Patterns and models, foundry and other, wood and metal.....	—	—	3,057,606
Patterns, paper.....	—	—	1,314,634
Peanut butter.....	lb.	23,062,837	7,192,586
Peanuts, roasted and salted (for sale) (See also "Nuts, salted, etc.").....	"	19,938,183	7,079,658
Pearls, artificial and simulated.....	—	—	611,621
Peas, split.....	ton	2,118	375,105
Peavies, cant hooks and pike poles.....	—	—	404,798
Pectin (see also "Apple juice concentrate").....	—	—	1
Pencils, non-mechanical.....	gr.	578,761	2,336,575
Pencils, mechanical.....	"	7,526	694,248
Pencil parts.....	"	10,008	15,888
Penicillin.....	—	—	1
Penicillin preparations.....	—	—	4,435,545
Pennants.....	—	—	154,440
Pens, fountain and ball point.....	doz.	626,096	5,365,742
Pens, fountain, ball point and other, parts.....	—	—	435,699
Pentacetyl acetate.....	—	—	1
Perchloroethylene.....	—	—	1
Percolators, electric.....	No.	21,276	206,843
Perfumes.....	—	—	1,196,040
Periodicals, printed by publishers:			
Newspapers daily:			
Gross revenue from advertising.....	—	—	85,283,429
Subscriptions and sales.....	—	—	33,209,247
Newspapers, weekly and other:			
Gross revenue from advertising.....	—	—	20,325,020
Subscriptions and sales.....	—	—	10,663,148
Magazines:			
Gross revenue from advertising.....	—	—	10,187,703
Subscriptions and sales.....	—	—	4,872,822
Other publications:			
Gross revenue from advertising.....	—	—	24,936,658
Subscriptions and sales.....	—	—	9,589,677
Phenol.....	—	—	1
Phenacetin.....	—	—	1

1. Indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1951 - Continued

Items	Units of measure	Quantity	Value
			\$
Phonographs, electrically operated (Included with "Record players—electrically operated")			
Phosphorus.....	—	—	1
Phosphorus sesquisulphide.....	—	—	1
Photo-engraving.....	—	—	9,036,357
Photographic materials, n.e.s. (Including photo paper).....	—	—	2,573,335
Photography (Commercial).....	—	—	690,505
Phthalic anhydride.....	—	—	1
Pianos:			
Grand.....	No.	114	116,745
Upright.....	"	5,459	1,981,460
Piano strings and other parts.....	—	—	732,713
Pickets, wood.....	M.	5,886	536,072
Pickles, relishes and sauces (see also "Tomato Catsup").....	gal.	4,941,635	9,825,367
Pictures, framed.....	—	—	778,474
Pictures and mirror frames.....	—	—	695,034
Pies, cakes and pastry (see also "Puddings, cakes, etc., canned").....	—	—	64,745,925
Pies, meat.....	—	—	1,126,086
Piling, sheet.....	—	—	1
Pillow cases (Included in "Sheets and pillow cases, cotton")			
Pillows.....	No.	568,149	1,500,512
Pins, plain and hair pins.....	—	—	1,356,012
Pipe and fittings, brass, bronze and copper.....	—	—	322,969
Pipe and fittings, cast iron, soil.....	ton	35,094	8,797,863
Pipe and fittings, cast iron, water.....	"	107,214	12,008,024
Pipe and fittings, cast iron, other.....	"	13,867	4,364,717
Pipe, lead.....	lb.	4,654,227	1,260,456
Pipe and fittings, malleable iron.....	ton	10,156	6,845,044
Pipe, sewer, clay.....	—	—	2,195,838
Pipe, sewer and culvert, cement.....	—	—	8,923,916
Pipe, culvert, n.e.s.....	—	—	7,093,826
Pipe, steel, rivetted and welded.....	ton	6,247	1,783,724
Pipe and fittings, steel, n.e.s.....	—	—	33,082,788
Pipe and tubing, copper.....	—	—	1
Pipes, furnace and stove.....	—	—	2,652,215
Pipes, wooden.....	—	—	1
Pipes and fittings, other, n.s.....	—	—	221,407
Pipes, tobacco.....	doz.	9,156	99,591
Piston rings, automobile.....	No.	24,493,944	3,363,233
Pistons, automobile, and piston ring expanders.....	—	—	3,691,268
Pitch.....	ton	112,141	3,875,498
Planers, metal-working.....	—	—	1
Planers, wood-working.....	No.	515	398,552
Planing, custom.....	M.ft. b.m.	707,403	5,337,649
Planters, corn.....	No.	3,133	342,496
Plastics, primary (see "Synthetic resins")			
Plate and tank work, steel, miscellaneous.....	—	—	11,810,354
Plate, black, not specified.....	—	—	8,746,963
Plates, sheets and strips, brass, copper, etc.....	lb.	55,792,953	23,443,468
Plates, all kinds, including boiler and other sheared plates.....	ton	183,994	17,977,171
Plates, metal, license, name, etc.....	—	—	2,371,019
Plates, forks and spoons, paper.....	—	—	380,312
Plating, galvanizing salts.....	—	—	1
Platinum, refined and other platinum products.....	—	—	687,043
Play ground, track and field equipment.....	—	—	49,623
Ploughs, agricultural:			
Disc.....	No.	4,425	2,041,159
Harrow ploughs, one-way discs, tiller combines.....	"	23,102	8,819,419
Mouldboard.....	"	38,202	6,748,242
Walking.....	"	1,140	28,342
Other.....	—	—	122,674
Ploughs, snow.....	—	—	723,697
Plugs, wooden.....	—	—	330,624
Plumbers' supplies, not elsewhere specified (Brass, copper, etc.).....	—	—	14,233,626
Plywood.....	M. sq. ft.	585,144	48,860,569
Poison, gopher and rat.....	—	—	191,457
Polish, furniture.....	—	—	769,445
Polish, metal.....	—	—	232,463
Polish, shoe.....	—	—	1,058,440
Polish, stove.....	—	—	71,950
Polishes and waxes, floor.....	—	—	8,678,289
Polishes and dressings, automobile.....	—	—	341,742
Polishes for harness.....	—	—	3,053
Polishes and dressings, n.s.....	—	—	256,284
Polishers, floor, electric and other.....	—	—	2,513,257
Polishing mitts and cloths.....	doz.	11,039	11,167
Popcorn.....	lb.	2,853,394	1,455,612
Polymer feed stocks.....	—	—	1
Post cards, printed.....	—	—	716,384
Posts, steel, fence.....	ton	6,236	666,775
Posts, other.....	—	—	13,710
Posthole diggers.....	—	—	1
Potassium chlorate.....	—	—	1
Potato chips, (factory made).....	lb.	9,153,045	5,186,105
Potato pickers.....	—	—	1
Pot holders and oven mitts.....	—	—	61,303
Pot scourers.....	—	—	538,744
Pottery, glazed and unglazed.....	—	—	374,016

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Alphabetical List of Products Manufactured in Canada, 1951 — continued

Items	Units of measure	Quantity	Value \$
Pottery from imported clay	—	—	127,133
Poultry (see "Meats")	—	—	—
Powder, baking	lb.	9,436,441	2,152,143
Powder, buttermilk	"	5,428,087	542,551
Powder, cream	—	—	1
Powder, custard	lb.	759,176	320,505
Powder, egg	"	576,998	966,171
Powder, food drinks	"	2,208,918	1,022,687
Powder, ice cream	"	1,648,574	768,305
Powder, jelly	"	13,280,058	4,722,918
Powder, whole milk	"	17,404,094	6,032,881
Powder, malted milk	—	—	1
Powder, skim milk	lb.	51,931,068	7,486,020
Powder, pie filling	"	4,856,399	1,323,150
Powder, pudding	"	9,515,160	2,776,959
Powder, whey	"	7,765,903	899,821
Powder, edible, n.s.	"	981,183	546,107
Powder, bronze, iron and aluminum	—	—	1,890,664
Powder, sachet	—	—	145,903
Powder, talcum and face	—	—	2,879,271
Power units	—	—	1
Precious metal salts	—	—	1
Press cloths	—	—	1
Presses, tennis and badminton racquet	No.	21,510	15,310
Presses, baling	—	—	284,578
Presses, hydraulic, and other power	—	—	1,505,496
Pressure cookers (Included under "Kitchenware, aluminum")	—	—	—
Printing, not elsewhere specified:	—	—	—
Circular letters	—	—	1,648,492
General, for trade	—	—	1,733,344
Custom printing, (Paper supplied by customer)	—	—	2,238,266
Private and personal	—	—	1,919,653
Blue prints and photostats	—	—	1,036,977
Box covers, coloured	—	—	221,839
Periodicals printed for publishers	—	—	21,737,681
Other printed matter, menus, statements, bank notes, programmes, etc. (see also "Advertising matter")	—	—	15,827,322
Printing and painting on textile fabrics	—	—	1,945,863
Propane	—	—	1,607,638
Propellers and shafts	—	—	1
Publications, subscriptions and sales (see "Printing and Periodicals")	—	—	—
Puddings, cakes, etc., canned and other	—	—	705,140
Puffs, powder	—	—	242,098
Pulleys, wood and other	—	—	523,536
Pulpers and slicers	—	—	1
Pulp, fruit (see "Fruit pulp")	—	—	—
Pulpstones, artificial	—	—	1
Pulpwood (produced in Sawmills)	cds.	278,561	7,762,303
Pulp chips	—	—	8,573,240
Pulp, wood:	—	—	—
Ground wood:	—	—	—
Quantity made	s. ton	5,172,465	—
Quantity sold	"	429,175	32,187,351
Sulphate:	—	—	—
Quantity made	" "	1,216,907	—
Quantity sold	" "	778,949	140,829,138
Sulphite, bleached:	—	—	—
Quantity made	" "	847,160	—
Quantity sold	" "	766,268	135,645,696
Sulphite unbleached:	—	—	—
Quantity made	" "	1,697,672	—
Quantity sold	" "	660,779	97,156,697
Screenings:	—	—	—
Quantity made	" "	130,211	—
Quantity sold	" "	48,200	1,533,240
Other:	—	—	—
Quantity made	" "	250,434	—
Quantity sold	" "	43,903	6,479,124
Pulverizers, soil	—	—	1
Pumps:	—	—	—
Centrifugal	—	—	6,970,414
Cistern and pitcher	No.	39,330	313,351
Deep well	"	1,636	155,420
Rotary	—	—	1,074,003
Sump	—	—	987,732
Vacuum	—	—	567,667
Steam	No.	2,557	1,423,607
Other power pumps	—	—	1,057,986
Gasoline dispensing pumps	No.	6,612	2,998,356
Hand pumps	—	—	26,368
Household water systems	No.	35,185	3,474,810
Pump jacks	—	—	173,664
Pumps and pump parts, n.e.s.	—	—	1,487,944
Punching machines	—	—	—
Purses, pocket-books and folders	No.	2,090,171	1,918,932
Putty and fillers, n.e.s.	lb.	11,031,986	807,415

1. Indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1951 - continued

Items	Unit of measure	Quantity	Value
			\$
Pyjamas:			
Cotton and flannelette.....	doz.	297,522	6,776,241
Rayon and rayon mixtures.....	"	33,007	887,201
Not specified.....	"	53,596	1,518,666
Pyridine.....	"	"	1
Pyrometers.....	"	"	1
Pyrotechnics and fireworks.....	"	"	1
Quilted goods and quilts.....	"	"	2,279,351
Racquets, tennis, badminton and squash.....	No.	46,505	201,445
Radar equipment (see also "Radio communication equipment").....	"	"	202,848
Radiators, automobile.....	"	"	5,265,398
Radiator and boiler compounds.....	"	"	181,598
Radiators, heating, concealed type.....	sq. ft.	9,558,748	5,095,534
Radiators, heating, standing type.....	"	6,461,554	4,007,318
Radiators and parts, heating, n.s.....	"	"	129,064
Radio communication equipment.....	"	"	16,389,262
Radio sets, tubes and accessories.....	"	"	48,447,556
Rail anchors.....	"	"	1
Rails, iron or steel:			
Quantity made.....	ton	257,244	"
Quantity sold.....	"	254,911	19,910,580
Rail frogs, switches and other track equipment.....	"	"	12,246,565
Railway car coach fittings, bearings, etc.....	"	"	986,686
Rakes, hand.....	"	"	1
Rayon fabrics (See "Silk and synthetic fabrics" and "Knitted fabrics")			
Razor blades.....	No.	196,957,752	3,403,814
Razors, safety, electric and other.....	"	1,088,813	2,438,092
Recorders, time.....	"	"	1
Recorders, wire or tape.....	"	"	1
Record albums.....	"	"	160,648
Records, phonograph.....	No.	13,105,431	6,519,125
Record players, electrically operated.....	"	59,929	1,412,974
Rectifiers for storage battery charging and parts.....	"	"	634,734
Refractories:			
Cement, high temperature.....	"	"	796,656
Firebrick from domestic clay.....	"	"	620,429
Firebrick from imported clay.....	"	"	1,306,433
Other.....	"	"	5,184,236
Refrigerators and refrigeration equipment, n.e.s.			
Household, mechanical, complete, (electric and gas).....	No.	277,836	54,524,690
Household, ice refrigerators:			
Metal.....	"	3,638	164,370
Wood.....	"	814	26,238
Commercial, wood.....	"	"	242,745
Steel cabinets for mechanical refrigerators.....	No.	60,970	1,258,838
Fixtures:			
Display cases, commercial.....	"	2,133	1,349,339
Display cases, other.....	"	610	389,563
Reach-ins, all sizes.....	"	2,819	1,085,445
Walk-in coolers.....	"	349	234,480
Refrigerator parts.....	"	"	664,233
Refrigeration equipment n.e.s.....	"	"	1,154,936
Regalia, n.e.s.....	"	"	1,837,302
Registers, cash.....	"	"	1
Registers and grills, air.....	"	"	1,864,897
Regulators, temperature.....	"	"	1
Remedies, stock and poultry.....	"	"	1,794,168
Rennet (Included in "Colours, butter, cheese and other")			
Repair gums and fabrics.....	lb.	636,643	888,981
Repair kits.....	No.	654,448	122,643
Repair patches, tire and tube.....	"	4,236,232	824,662
Resin film and resin film products.....	"	"	9,019,949
Resins, vinyl acetate.....	"	"	1
Ribbons.....	"	"	2,878,052
Rice, brewers'.....	"	"	1
Rice, cleaned, etc.....	"	"	1
Rifles and shot guns.....	"	"	1
Rings, fruit jar, rubber.....	"	"	1
Rings, fruit jar, zinc.....	"	"	1
Rockwool.....	"	"	7,926,859
Rods, copper wire.....	"	"	1
Rods, iron and steel, wire:			
Quantity made.....	ton	318,266	"
Quantity sold.....	"	122,514	9,695,144
Roll covering, rubber.....	lb.	45,770	94,454
Rollers, land and land packers.....	"	"	482,504
Rollers, printers'.....	"	"	591,357
Rolls, rubber covered.....	No.	258,702	1,619,489
Rolls, bending and straightening.....	"	"	1
Roofing, aluminum, steel, sheet metal.....	"	"	5,024,282
Roofing preparations, n.e.s.....	"	"	453,021
Rope:			
Manilla.....	lb.	6,905,784	3,446,503
Sisal.....	"	6,827,067	2,754,913
Jute and hemp.....	"	277,035	142,806
All other.....	"	573,731	579,582
Rubber, reclaimed, dispersions and other.....	"	"	1
Rubber and rubber goods, hard.....	lb.	623,600	694,317

1. Indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1951 — continued

Items	Unit of measure	Quantity	Value
			\$
Rubber coverings, linings, etc.	lb.	580,335	1,124,946
Rubber goods, moulded	"	2,473,387	2,169,862
Rubber goods, plumbers'	"	"	1,825,299
Rubber goods, sanitary, n.e.s.	doz.	599,122	155,349
Rubber goods, soft and sponge (including foamed latex)	"	"	4,399,194
Rubber automotive and aeroplane parts	lb.	7,478,758	4,105,193
Rubber goods, not specified	"	"	1,364,956
Rubber thread	"	"	1,614,997
Rubber, synthetic	lb.	139,578,244	34,647,665
Rugs, automobile	No.	131,785	590,132
Rules, steel	"	"	1
Rules, wooden	"	"	231,792
Ruling (printing plants)	"	"	598,668
Runners and centres, table	"	"	381,255
Rust preventatives and removers	"	"	718,285
Saddles	No.	1,771	115,779
Saddle parts	"	"	14,568
Safes, vaults and fittings	"	"	2,377,845
Sails	No.	3,363	177,450
Salt, including value of containers	"	"	9,201,265
Salt, curing	lb.	3,260,396	468,416
Sanders (woodworking)	No.	322	83,626
Sandwich relish and spread (see also "Paste, meat and chicken")	lb.	3,926,670	1,288,727
Sanitary ware	"	"	16,388,507
Sash, doors and other mill work	"	"	60,154,474
Sash, steel, brass, etc.	"	"	3,384,489
Sauces, catsups and relishes (see "Tomato catsup, pickles, relishes, etc.")			
Sauerkraut, canned	lb.	8,040,993	600,062
Sausage, casings	"	"	8,012,251
Sausage, fresh or cured	lb.	76,735,427	35,584,933
Sawdust and waste, sold	"	"	1,183,246
Sawing, lumber, custom	"	"	274,644
Saws, all kinds	"	"	12,215,762
Saw parts and saw benches	"	"	1,409,476
Scales	"	"	3,105,388
Scarves	"	"	3,141,033
School supplies, not specified	"	"	62,352
Scientific equipment, not specified	"	"	1,522,849
Scissors and shears	"	"	53,714
Scrap, aluminum	lb.	1,952,152	333,033
Scrap, brass, bronze and copper	"	"	949,394
Scrap, iron and steel	"	"	647,031
Screenings, barley, etc.	ton	52,403	2,346,946
Screens, window	"	"	137,348
Screen, industrial	"	"	767,409
Screens, projection	"	"	1
Screens, n.e.s.	"	"	311,579
Screws and screw machine products	"	"	17,508,793
Scufflers	No.	3,055	65,858
Scythes and snaths	"	"	144,646
Seals	"	"	271,160
Seasonings, dry and liquid	"	"	1,374,743
Seaweed, processed	"	"	1
Seed boxes for one-way discs etc.	No.	8,078	1,061,465
Shades, window, shade cloth and fittings:			
Ordinary shades and blinds	"	"	2,175,147
Venetian blinds, all kinds	"	"	5,701,583
Shade cloth, rollers, etc.	"	"	615,033
Shakes, processed and stained	"	"	909,992
Shapers, metal-working	No.	300	265,527
Shapers, wood-working	"	279	20,572
Sharpeners, pencil	"	"	1
Sharpening stones and files	"	"	285,897
Shawls	"	"	1
Shearing machines, metal working	"	"	1
Sheet forms, commercial etc., printed	"	"	37,322,201
Sheeting, cotton (See "Cotton fabrics")	"	"	"
Sheets and pillow cases, cotton	"	"	6,635,883
Sheets, crib, cotton	"	"	1
Sheets and sheeting, plastic, rubber and waterproofed	"	"	659,217
Sheet ironware, n.e.s.	"	"	1
Sheet metal building materials, n.e.s.	"	"	3,482,398
Sheet metal products	"	"	408,598
Sheets, aluminum	"	"	1
Sheets, hoops, bands and strips, iron and steel (rolled and drawn)	"	"	108,177,861
Sheets, steel, corrugated only	"	"	971,199
Shellac	"	"	575,540
Shields, dress	doz.	59,183	155,346
Shims, railroad and other	"	"	139,623
Shingle bands	M.	19,105	156,506
Shingles, asbestos	"	"	802,187
Shingles, wooden	square	2,982,385	27,977,556
Shipbuilding and repairs	"	"	91,852,926
Shirts, fine:			
Cotton	doz.	661,707	18,630,624
Silk, rayon and nylon	"	78,467	3,168,282
Shirts for formal wear	"	1,922	94,263

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Alphabetical List of Products Manufactured in Canada, 1951 - continued

Items	Unit of measure	Quantity	Value
			\$
Shirts, work:			
Cotton	doz.	353,073	8,261,558
Wool and wool mixtures	"	50,359	1,799,260
Not specified	"	15,125	362,105
Shirts, sport, men's, youths' and boys'	"	345,586	9,801,053
Shirts, sweat, jerseys, etc.	"	19,393	422,065
Shirts, T-Shirts	"	322,538	3,726,167
Shirts, not specified	"	34,497	578,584
Shock absorbers, automobile	"	—	1
Shoddy, mungo and wool extract (see "Wool or part wool, reworked or reprocessed")			
Shoe materials, proxylon coated (Included in "Fabrics, coated and impregnated")			
Shoe trimmings	—	—	195,630
Shoe uppers and tops	pr.	67,627	278,842
Shoos, box	M. ft. b. m.	100,957	10,466,762
Shortening:			
Containing animal fat and marine oil	lb.	70,249,888	20,341,020
Wholly vegetable	"	51,101,334	15,695,284
Shortening substitute	—	—	1
Shorts and middlings	ton	506,643	29,163,548
Shovels, hand	No.	76,369	100,853
Shovels, power	—	—	2,304,221
Shuttlecocks, badminton	—	—	1
Signal systems (traffic, fire, alarms, etc.)	—	—	1,820,468
Signs, electric, gas, neon and other luminous	—	—	6,442,466
Signs, metal, etc.	—	—	1,488,817
Silicon carbide, crude	ton	70,282	9,913,060
Silico manganese, silico spiegel, etc. (Included in "Ferro-alloys")			
Silk and synthetic fabrics, broadwoven:			
All silk mixtures containing silk	yd.	283,468	452,772
All continuous filament synthetic yarn:			
Rayon (See also "Knitted fabrics")	"	73,220,505	48,669,891
Nylon (See also "Knitted fabrics")	"	6,964,405	6,865,143
Spun rayon and spun rayon mixtures	"	20,213,716	16,620,156
Mixtures of continuous filament rayon and spun rayon	"	6,177,393	6,766,437
Mixtures of continuous filament rayon and cotton	"	3,240,940	3,179,082
Mixtures of spun rayon and cotton	"	1,156,663	1,514,335
Mixtures of rayon and wool	"	2,883,920	5,270,667
Other synthetic mixtures	"	1,274,376	1,224,164
Silk screen printing	—	—	1
Silos	—	—	1
Silver alloys	—	—	841,500
Silver, fine	—	—	1,472,756
Silver, sterling, melted, rolled, etc.	—	—	3,489,181
Size	—	—	1,422,102
Skates, ice	pr.	548,328	1,025,138
Skates, roller	"	40,751	98,342
Skewers, n.e.s.	—	—	1
Skis	pr.	48,041	149,449
Skis, poles and fittings	—	—	153,444
Skins, calf	No.	465,846	3,437,237
Skins, sheep	—	—	3,203,962
Skins, pickled	No.	349,656	602,178
Skins, dressed (excluding raw)	—	—	2,746,451
Skins and cages (mining and metallurgical)	—	—	144,458
Skirts:			
Cotton	No.	622,965	1,395,250
Rayon and rayon mixtures	"	1,266,586	4,137,777
Woollen	"	746,470	3,561,975
Other	"	54,436	263,286
Slabs and edgings	cord	854,944	3,023,731
Sleighs, baby	No.	32,039	85,505
Sleighs, children's	"	147,499	364,347
Sleighs, dog	"	710	13,966
Sleighs, horse-drawn, etc.	"	1,217	188,345
Slicers, meat and bread	—	—	1
Slippers: (See also "Footwear, felt")			
Babies'	pr.	31,935	31,345
Boys'	"	76,645	118,517
Children's, including little gents	"	280,729	329,481
Men's	"	732,579	1,810,091
Misses'	"	262,366	321,395
Women's and growing girls'	"	1,527,587	2,526,817
Youths'	"	24,003	30,586
Slippers, Indian:			
Babies'	"	20,806	20,399
Boys'	"	15,455	22,395
Children's, including little gents	"	196,606	193,652
Men's	"	111,572	283,744
Misses'	"	257,814	294,935
Women's and growing girls'	"	1,260,514	1,867,329
Youths'	"	7,337	8,439
Slippers, not specified	—	—	228,167
Smelter and refinery products	—	—	861,315,930
Smocks, women's	—	—	1,127,257
Smoke breeching	—	—	203,221
Smoker sets and smokers' supplies, n.e.s.	—	—	645,399
Smokestacks, steel	—	—	343,300
Snow shoes	—	—	63,841

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Alphabetical List of Products Manufactured in Canada, 1951 — continued

Items	Unit of measure	Quantity	Value
			\$
Snowmobiles and parts	—	—	1
Snow removal equipment	—	—	1,435,866
Soap:			
Castile	lb.	1,653,709	291,519
Household and laundry (bars)	"	24,939,862	3,455,483
Household and laundry (chips and flakes)	"	23,131,850	4,193,415
Liquid, not specified	—	—	1,471,614
Polishing or scouring	lb.	850,139	102,708
Powder	"	85,109,704	13,870,454
Soft	"	2,124,295	276,223
Textile and mill	"	4,582,569	677,056
Toilet, (bars and liquid)	"	35,815,408	10,526,983
Shaving, including shaving creams	"	1,739,619	2,168,133
Hand soap and pastes, mechanics'	"	2,981,890	424,384
Hard, all other	"	1,724,139	214,331
Not specified	—	—	1,085,422
Soap stock	lb.	4,782,347	294,581
Sodium azide	—	—	1
Sodium benzoate	—	—	1
Sodium carbonate	—	—	1
Sodium carboxymethyl cellulose (See "carboxel")	—	—	1
Sodium chlorate	—	—	1
Sodium cyanide	—	—	1
Sodium hydroxide	lb.	305,354,290	8,824,140
Sodium hypochlorite	—	—	1
Sodium fluoride	—	—	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 thiosulphite	—	—	1
Sodium tripolyphosphate	—	—	1
Solder	lb.	11,873,951	7,409,623
Soling, rubber:			
Rubber and composition soles	pr.	4,691,253	1,686,634
Rubber and composition half-soles	"	783,312	225,747
Soling and slabs for heels	lb.	9,555,825	2,489,971
Soles, tap and other, leather	—	—	1,196,700
Soles, felt and other (insoles)	—	—	868,325
Soup, canned (excluding infants' soups)	lb.	201,587,022	32,669,022
Soup, dehydrated	"	630,654	483,109
Soup mixtures	"	7,395,001	5,244,407
Soup filler or cracker meal	"	1,635,928	154,094
Soya bean products, n.e.s.	—	—	1
Spades and shovels	No.	945,118	1,544,945
Spark plugs	"	20,986,731	6,049,973
Speed reducer units	—	—	1,317,731
Spice compound	lb.	457,070	226,091
Spices, mixed, whole or ground	"	4,041,076	4,255,726
Spikes, railway	—	—	2,142,668
Spikes, other	—	—	173,006
Spinning, custom	—	—	3,972,226
Spinning wheels	No.	1,656	19,934
Spirits, produced during the year but placed in bond for maturing:			
Whiskey	pf. gal.	8,734,892	7,394,174
Neutral spirits, grain	"	8,169,262	7,083,578
Neutral spirits, molasses	"	99,491	84,316
Other beverage spirits	"	609,825	956,351
Spirits, beverage, sold outside the Distilling Industry:			
Whiskey, Highland type	"	301,894	2,429,698
Whiskey, rye type	"	9,058,044	73,357,551
Whiskey, other types	"	25,504	220,509
Gin	"	907,346	5,009,318
Brandy	"	29,953	260,912
Rum	"	265,895	1,974,226
Other beverage spirits	"	212,589	1,201,771
Sponges, cellulose	—	—	1
Spools, bobbins and shuttles	—	—	1,937,766
Sport gloves and mitts	—	—	1,017,372
Sporting goods, not specified	—	—	373,204
Spraying and dusting machines and equipment, including hand sprayers	—	—	1,423,014
Springs, automobile, chassis	—	—	7,745,041
Springs, bed:			
Box	No.	68,857	1,734,368
Coil	"	50,384	130,306
Cable	"	99,449	642,059
Link	"	60,372	694,722
Slat	"	205,126	2,178,276
Bed, n.e.s.	"	18,019	194,452
Springs (upholstering) and constructions for automobiles and trucks	—	—	7,043,729
Springs, upholstering, other	—	—	1,980,803
Springs for cars and locomotives	—	—	1,375,481
Springs, n.e.s.	—	—	4,309,925
Squares, hardwood	M. ft. b. m.	20,047	2,214,116
Stabilizers, ice cream, etc.	lb.	84,941	65,663
Stains	imp. gal.	429,840	1,146,842

1. Indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1951 — Continued

Item	Unit of measure	Quantity	Value
			\$
Stampings, metal, n.s.	—	—	10,974,501
Stamps, rubber	—	—	873,628
Stamps, postage, revenue, etc.	—	—	1,059,153
Stamps, not specified	—	—	321,612
Staples, wire	kegs	34,992	309,034
Starch, corn, edible	—	—	1
Starch, corn, laundry	—	—	1
Starch and flour, potato	ton	4,692	645,463
Starch, wheat	—	—	1
Starch, blended	—	—	1
Starch, n.e.s.	—	—	1
Stationery goods, not specified	—	—	727,669
Statues, art goods and church supplies	—	—	1,318,105
Staves, barrel	—	—	1,237,752
Steam traps, etc.	—	—	687,535
Stearine	lb.	802,684	118,902
Steel erected (structural work):			
Bridges	ton	26,232	8,126,117
Buildings	—	—	54,407,705
Transmission towers	ton	8,805	2,339,923
Other	"	18,900	4,980,263
Steel shapes, structural (angles, channels, tees, etc.):			
Quantity made	"	232,464	—
Quantity sold	"	227,653	22,513,824
Steel and alloy steel ingots:			
Quantity made	"	3,447,132	—
Quantity sold	"	179,060	11,250,598
Steel, miscellaneous	—	—	20,939,776
Steel wool	—	—	1
Stellite	—	—	1
Steepwater	—	—	1
Stencils	—	—	320,025
Stockinette (see "Knitted fabrics")	—	—	—
Stocking dryers	—	—	24,201
Stokers, mechanical	—	—	1,366,999
Stoker parts	—	—	339,417
Stone, artificial	—	—	1,548,732
Stone, building	—	—	241,204
Store fixtures, n.e.s.	—	—	181,519
Stoves:			
Coal, wood or sawdust	No.	173,460	8,589,670
Solid fuel or oil with electric or gas combination	"	17,194	2,527,691
Electric stoves or ranges, all styles	"	135,071	21,202,553
Electric rangettes	"	38,397	1,436,013
Gasoline, fuel oil or kerosene stoves or ranges (cooking)	"	120,345	4,545,410
Gasoline, fuel oil or kerosene stoves or space-heaters (heating)	"	78,991	3,765,895
Plates, gas, cooking	"	1,883	24,434
Other stoves and parts including cafeteria, restaurant, etc.	—	—	2,408,254
Straps, leather	doz.	131,800	251,021
Straws, drinking	M	650,676	357,424
Streptomycin	—	—	1
Streptomycin preparations	—	—	319,533
Strings, racquet	—	—	51,128
Styrene	—	—	1
Sugar butter	lb.	2,924,477	604,882
Sugar, granulated:			
Beet	"	241,000,699	113,680,370
Cane	"	872,969,313	
Sugar, brown or yellow	"	125,937,231	12,091,030
Sugar, icing (starch added)	"	56,035,931	6,343,129
Sugar, invert	—	—	1
Sugar, loaf	lb.	10,932,536	1,388,531
Sugar, maple (Factory made)	—	—	1
Sugar of milk	lb.	3,561,475	392,697
Sugar, pulverized (no starch added)	lb.	—	48,692
Sugar, n.e.s.	—	—	—
Suits: (see also "Clothing, suits, sport")			
Boys':			
Rayon	No.	25,885	292,240
Rayon and wool, chiefly rayon	"	50,997	519,398
Rayon and wool, chiefly wool	"	32,429	356,300
Wool	"	100,702	1,085,765
Not specified	—	—	8,621
Children's:			
Cotton	No.	25,908	61,532
Silk and rayon	"	17,284	93,314
Wool	"	10,184	79,847
Playsuits and wash suits, n.s.	doz.	76,191	920,256
Not specified	No.	1,476	2,190
Men's and youths':			
Rayon	"	101,921	2,172,482
Rayon and wool, chiefly rayon	"	25,466	583,590
Rayon and wool, chiefly wool	"	111,555	3,246,196
Wool	"	1,321,472	49,625,259
Women's and misses':			
Cotton	"	7,084	79,380
Linen	"	10,185	126,774
Silk and rayon	"	245,631	3,536,299

1. Indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1951 - Continued

Item	Unit of measure	Quantity	Value
			\$
Suits: (See also "Clothing, suits, sport") - Concluded			
Women's and misses' - Concluded:			
Wool	No.	502,506	13,336,297
Not specified	"	40,514	1,501,261
Suits and dresses, women's and children's knitted see ("Dresses, wool knitted")			
Suits, slack:			
Boys':			
Cotton and other	"	3,332	33,431
Men's and youths':			
Cotton	"	7,774	55,430
Other	"	39,561	530,009
Suits, uniform:			
Men's and youths':			
Military	"	43,973	998,751
Non-military	"	75,080	3,253,962
Sulphonamide	-	-	893,228
Superheaters	-	-	1
Superphosphate	-	-	1
Surfacers, wood-working	No.	384	108,707
Surgical and orthopaedic appliances and surgical dressings:			
Surgical bandages and dressings	-	-	1
Surgical belts	doz.	45,287	806,283
Surgical stockings, elastic	-	-	228,349
Orthopaedic corsets	pr.	209	6,741
Artificial limbs	No.	1,082	214,581
Foot easers, arch supports, knee caps etc.	-	-	357,472
Trusses	No.	45,196	198,503
Other surgical supports	-	-	576,638
Surgical instruments and orthopaedic appliances, not specified	-	-	351,140
Suspenders, supporters and garters	doz.	364,645	1,576,476
Swathers	No.	10,317	5,023,658
Sweaters, jackets, etc.	doz.	1,009,572	25,110,283
Sweeping compounds	-	-	573,874
Switch gear and protective equipment (except telephone switch-boards)	-	-	35,178,766
Synthetic and plastic products, n.e.s.	-	-	34,842,521
Syringes, fountain and attachments	doz.	23,664	123,482
Syrup, corn	-	-	1
Syrup, fountain, fruit, etc.	gal.	1,342,487	3,354,274
Syrup, maple (factory made)	-	-	1
Syrup, table	-	-	486,904
Syrups from cane, not including molasses	-	-	973,882
Syrups for soft drinks (for sale)	gal.	4,154,154	8,037,404
Syrups, other	-	-	21,838
Syrup making equipment (maple)	-	-	247,450
Table cloths and napkins (fabric)	-	-	604,222
Table cloths, plastic	doz.	58,405	595,708
Tableware, plastic	-	-	563,384
Tableware, pottery	-	-	3,341,545
Tacks, cut, wire	M	2,849,434	753,185
Tags and labels, shipping	-	-	18,240,854
Tags and tickets, price	-	-	2,756,462
Tailors' supplies, n.e.s.	-	-	2,881,685
Tallow	lb.	82,670,816	9,933,277
Tankage, animal	ton	18,969	1,600,381
Tanks, steel, storage, black, galvanized, etc.	-	-	14,071,510
Tanks, pressure, n.e.s.	-	-	3,068,235
Tanks, steel, pneumatic	-	-	613,084
Tanks, steel, septic	-	-	289,462
Tanks, other, not specified	-	-	5,034,055
Tanners' bate	-	-	1
Tape, adhesive	-	-	1
Tape, rubber and friction	lb.	1,977,185	1,604,622
Tape, paper, gummed	"	22,229,521	4,547,046
Tape, telegraph	-	-	1
Tapes, fabric	-	-	3,103,936
Tapes, measuring, steel, etc.	-	-	1
Tapestries and other upholstering materials	-	-	8,248,026
Tapioca	-	-	1
Tar, coal, crude	imp. gal.	40,512,373	4,692,817
Tar, refined	"	4,377,223	791,552
Tar from petroleum refineries	lb.	1,032,920	82,427
Targets, clay	lb.	44,217,639	42,449,472
Tea, blended, etc.	-	-	40,255,317
Telephone material	-	-	13,266,775
Television equipment	-	-	210,300
Tenoners, wood-working	No.	94	765,477
Tents	-	-	2,529,782
Textile and leather specialties, n.e.s.	-	-	1
Thermometers, all kinds	-	-	1
Thickeners, mining and metallurgical	-	-	1
Thinners, pyroxylin	-	-	1
Thread, cotton	imp. gal.	2,006,844	2,921,189
Thread, rayon, silk etc.	-	-	11,339,594
Threshers and combine reaper-threshers and attachments	-	-	1,099,255
Ties, wooden	No.	6,184,389	57,137,686
Tile, asphalt	-	-	10,882,000
Tile, drain (from domestic clay)	M	27,961	2,542,923
Tile, floor (from domestic clay)	-	-	1,570,518
			90,897

1. Indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1951 - Continued

Items	Unit of measure	Quantity	Value
			\$
Tile, floor and wall (from imported clay)	—	—	1
Tile, gypsum	—	—	1
Tile, hollow blocks including fireproofing and load-bearing tile	ton	195,184	3,168,239
Tile, haydite and other haydite products	—	—	1
Tile, plastic	—	—	778,878
Tile, other, not specified	—	—	360,155
Tiling and flooring, rubber	lb.	9,195,488	2,459,376
Tin alloys	—	—	1
Tin	lb.	357,859	449,531
Tinned plate and scrap	ton	7,826	273,805
Tinsel garlands and ribbons	—	—	1
Tinware, japanned or not	—	—	587,030
Tire braids, auto	—	—	1
Tire fabrics	lb.	31,705,148	25,836,355
Tires and tubes:			
Balloon, casings	No.	4,891,979	146,607,082
High pressure casings	"	1,882	27,619
Balloon and high pressure inner tubes	"	3,598,720	11,428,669
Aeroplane tires	"	3,388	262,807
Aeroplane tubes	"	1,213	9,025
Bicycle tires	"	514,326	744,990
Bicycle tubes	"	488,533	328,971
Implement and tractor tires	"	590,932	14,190,316
Implement and tractor tubes	"	602,079	2,261,670
Industrial tires	"	20,805	251,837
Motorcycle tires	"	9,625	107,680
Motorcycle tubes	"	9,639	21,847
Other rubber tires, n.e.s.	—	—	324,042
Tires, railway car	—	—	1
Tissues, cleansing, paper	—	—	1
Toasters, electric	No.	242,067	1,548,378
Tobacco: ²			
Chewing, cut and twist	lb.	182,712	353,107
Chewing, plug	"	1,416,210	2,914,525
Smoking, leaf	"	85,676	63,986
Smoking, cut	"	27,563,550	64,326,411
Smoking, plug	"	446,189	936,643
Snuff	"	873,652	2,217,542
Stems and cuttings	—	—	19,800
Tobacco, raw leaf, processed	lb.	111,551,981	62,693,707
Tobacco curing equipment	—	—	261,497
Tobacco pouches	—	—	41,118
Toboggans	—	—	395,597
Toilet preparations, n.e.s.:			
Bath salts and bath oils	—	—	383,862
Brilliantine, solid	—	—	69,655
Compacts (powders and rouge)	—	—	57,360
Creams, solid or liquid, all kinds	—	—	2,980,758
Home permanent wave kits	—	—	1,994,942
Rouge and lipsticks	—	—	1,307,633
Shampoos and hair rinses	—	—	2,551,605
Bay rum, hair tonics, brilliantine liquid	—	—	2,947,829
Toilet water and lotions	—	—	4,168,804
All other	—	—	3,521,434
Toiletware, silver and brass	—	—	720,733
Toluene	—	—	723,298
Tomato catsup, canned	lb.	3,607,847	497,538
Tomato catsup, other	"	34,466,204	8,937,329
Tomato juice	"	119,271,660	10,953,713
Tomato paste and puree	"	19,235,730	2,795,583
Tomato pulp	"	3,313,062	172,037
Tools, carpenters' and mechanics' other than portable pneumatic and electric tools	—	—	4,365,525
Tools, machine, n.e.s.	—	—	3,640,043
Tools, small, cutting	—	—	5,603,561
Tools, n.e.s.	—	—	4,876,048
Toothpicks	—	—	109,461
Toppings for ice cream and cake	—	—	1,089,626
Towels, all kinds	doz.	1,598,325	7,107,595
Towels, sanitary, all kinds	—	—	6,908,705
Towels, paper	case	796,296	3,310,231
Toys:			
Metal	—	—	2,115,921
Plastic	—	—	3,631,757
Rubber	doz.	97,023	480,038
Wooden	—	—	928,127
Miscellaneous, including model aeroplanes	—	—	2,347,086
Tractors	—	—	15,880,459
Trade work, n.e.s. (printing plant)	—	—	2,289,846
Trailers:			
Cabin or house type	—	—	1,596,150
Commercial (except logging)	—	—	7,915,853
Logging	—	—	1,395,068
Not specified	—	—	644,974
Transfers, paper, decalcomania	—	—	1,565,659
Transfers, paper, dry	—	—	164,546
Transformers	—	—	47,155,181
Transformer parts	—	—	1,339,356
Transmission towers, electric (see "Steel erected")	—	—	—

1. Indicates that the commodity was reported by only one or two concerns.
2. Includes excise taxes.

Alphabetical List of Products Manufactured in Canada, 1951 - Continued

Items	Unit of measure	Quantity	Value
			\$
Traps and fittings, lead	lb.	1,254,931	537,821
Traps, mouse and rat, etc.	"	"	1
Trays, food	"	"	316,964
Trichlorethylene, refined	"	"	1
Trimmings, not specified	"	"	547,765
Trophies	"	"	343,998
Troughs, water	"	"	1
Trucks, factory and other hand trucks	"	"	2,956,309
Trucks, farm	"	"	1
Trucks, other n.e.s.	"	"	251,622
Trunks, all kinds	No.	107,413	1,198,339
Tubes, collapsible	"	"	1
Tubes, vacuum, x-ray tubes	"	"	1
Tubing, brass, bronze and aluminum	"	"	4,864,339
Tubing, plastic	"	"	1
Tubing, rubber	"	"	1
Tubing, steel	lb.	422,084	268,314
Tubing and wristing, knitted	"	"	18,155,503
Tubs, laundry, aluminum	"	"	935,277
Tubs, laundry, cement	"	"	48,510
Turbines and water wheels	No.	36,467	389,503
Turpentine	"	"	10,705,719
Twine and cordage:			1
Baler twine, all sisal	lb.	16,232,020	4,232,450
Binder twine, all sisal and chiefly sisal	"	65,934,456	13,710,121
Other twine, all sisal	"	5,090,219	1,887,864
Other twine, all hemp and all flax	"	229,697	218,384
Other twine, all jute	"	1,751,145	831,296
Other twine and cordage, not specified	"	"	5,965,948
Type and type metal	lb.	8,592,650	2,377,489
Typesetting (trade composition)	"	"	4,531,327
Typewriters	"	"	7,734,959
Typewriter ribbons	"	"	1,379,899
Typewriter parts n.s.	"	"	51,841
Umbrellas	doz.	39,552	1,165,813
Undertakers' supplies, n.s.	"	"	586,291
Underwear knitted, or, of knitted fabrics:			
Men's and youths':			
Combinations:			
Cotton or chiefly cotton	doz.	253,402	6,375,030
Rayon or chiefly rayon	"	1,691	27,571
Wool or chiefly wool	"	62,344	2,593,223
Shirts:			
Cotton or chiefly cotton	"	346,174	3,912,236
Rayon or chiefly rayon	"	3,573	29,462
Wool or chiefly wool	"	32,576	1,309,318
Drawers:			
Cotton or chiefly cotton	"	112,675	2,103,906
Wool or chiefly wool	"	13,053	584,525
Shorts:			
Cotton or chiefly cotton	"	352,480	2,551,362
Other	"	26,114	222,146
Not specified	"	6,229	49,186
Boys':			
Combinations:			
Cotton or chiefly cotton	"	91,634	1,432,076
Wool or chiefly wool	"	3,374	75,080
Shirts:			
Cotton or chiefly cotton	"	60,668	416,311
Drawers:			
Cotton or chiefly cotton	"	13,708	122,538
Shorts:			
Cotton or chiefly cotton	"	65,421	317,962
Not specified	"	7,603	52,191
Women's and misses':			
Combinations:			
Cotton or chiefly cotton	"	46,204	308,135
Rayon or chiefly rayon	"	5,485	36,123
Wool or chiefly wool	"	1,453	32,708
Drawers:			
Wool or chiefly wool	"	901	14,121
Bloomers, panties, etc.:			
Cotton or chiefly cotton	"	244,356	1,499,759
Nylon	"	61,861	573,548
Rayon or chiefly rayon	"	950,778	4,816,558
Wool or chiefly wool	"	15,783	386,211
Vests:			
Cotton or chiefly cotton	"	154,694	1,033,438
Rayon or chiefly rayon	"	36,777	238,782
Wool or chiefly wool	"	13,019	277,668
Other, n.e.s.	"	82,142	470,299
Girls':			
Combinations:			
Cotton or chiefly cotton	"	4,038	54,899
Bloomers, panties, etc.:			
Cotton or chiefly cotton	"	331,708	946,996
Rayon or chiefly rayon	"	103,513	269,265
Wool or chiefly wool	"	7,283	120,422

1. Indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1951 — Continued

Items	Unit of measure	Quantity	Value
			\$
Underwear knitted, or, knitted fabrics—Concluded:			
Girls'—Concluded:			
Drawers:			
Cotton or chiefly cotton	doz.	14,843	71,010
Vests:			
Cotton or chiefly cotton	"	74,053	358,088
Rayon or chiefly rayon	"	1,823	7,291
Wool or chiefly wool	"	1,035	15,712
Not specified	"	331	2,910
Children's and infants':			
Combinations:			
Cotton or chiefly cotton	"	22,084	137,351
Other	"	733	9,506
Drawers and panties:			
Cotton or chiefly cotton	"	189,968	693,354
Rayon or chiefly rayon	"	10,149	44,180
Wool or chiefly wool	"	1,792	25,157
Vests:			
Cotton or chiefly cotton	"	202,792	1,095,334
Rayon or chiefly rayon	"	12,901	45,905
Wool or chiefly wool	"	13,133	151,666
Underwear, woven fabrics:			
Men's and youths':			
Shorts:			
Cotton	"	128,850	830,292
Not specified	"	1,495	27,453
Women's and misses':			
Bloomers, panties, etc.:			
Cotton or chiefly cotton	"	9,947	50,998
Rayon or chiefly rayon	"	137,576	661,254
Nylon or chiefly nylon	"	15,867	173,299
Not specified	"	167	1,339
Children's:			
Bloomers, panties, etc.:			
Cotton or chiefly cotton	"	37,927	76,733
Rayon or chiefly rayon	"	34,006	99,600
Other	"	168	2,119
Not specified	"	23,619	75,293
Underwear, not specified:			
Men's and boys'	"	53,985	221,260
Women's and misses'	"	228	1,312
Children's	"	279	7,952
Not specified	"	36,191	492,855
Underslips:			
Rayon	"	377,714	6,417,855
Rayon mixtures	"	93,882	1,796,607
Cotton	"	52,703	735,220
Nylon	"	51,271	1,458,024
Not specified	"	103,213	2,480,729
Uniforms, cotton, nurses', maids', etc.	—	—	2,216,638
Uniforms, military (See "Jackets, "Pants" and "Suits")	—	—	—
Uniforms, other (See also "Pants, uniform" and Suits, uniform")	—	—	234,784
Upholstering materials, (see Tapestries")	—	—	—
Valves, brass and bronze	—	—	5,018,875
Valves, iron	—	—	5,981,262
Valves, steel	—	—	4,215,083
Valves, tire	—	—	1
Valves, not specified	—	—	1,842,245
Varnishes	—	—	10,672,958
Vaults, burial, cement and other	—	—	273,074
Vegetables, canned:			
Asparagus	lb.	3,057,977	1,030,026
Beans, baked	"	88,571,929	10,171,629
Beans, green or wax	"	45,883,027	5,447,104
Beans, lima	"	2,135,301	308,272
Beets	"	15,180,106	1,566,260
Carrots	"	4,941,650	396,074
Carrots and peas	"	5,909,968	781,262
Corn, cream of, whole grain, etc.	"	69,134,133	8,780,916
Mushrooms	"	868,923	411,907
Peas	"	115,024,172	15,034,278
Pumpkin and squash	"	8,190,458	649,236
Spinach	"	4,219,483	534,641
Tomatoes	"	65,366,027	6,547,260
Vegetables, mixed	"	6,236,869	668,668
Vegetables, other	"	4,858,062	698,623
Vegetables, evaporated and dehydrated	"	182,777	134,376
Vegetables in brine	"	1,340,426	116,575
Vegetables, frozen or cold pack	"	12,391,620	1,956,595
Vegetables in SO ₂	—	—	1
Vegetable juices, canned	—	—	1
Vegetable peelers and slicers	—	—	1
Vehicles, children's	—	—	2,072,716
Vehicles, farm sleighs, wagons and trucks (See also, "Carriages and wagons" "Sleighs")	—	—	304,154
Veils and veiling	—	—	309,578
Veneer	—	—	13,160,288
Veneer logs	M ft. b. m	26,797	2,569,851
Veneer and plywood products n.e.s.	—	—	1

1. Indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1951 - Continued

Items	Unit of measure	Quantity	Value \$
Ventilators	—	—	933,473
Vestments	—	—	1
Vests, woollen	No.	4,520	28,441
Vests, other	doz.	5,868	100,103
Vinegar made for own use	imp.gal.	669,644	—
Vinegar made for sale:			
Spirit	" "	5,682,502	2,734,353
Cider	" "	586,451	269,358
Malt	" "	223,356	170,244
Vinyl acetate	—	—	1
Vitamin preparations	No.	30,721	13,051,122
Waffle irons	—	—	301,072
Wagons (see "Carriages and wagons")	sq. ft.	232,312,775	7,876,750
Wall board, gypsum	—	—	—
Wall board, paper (see "Paper board")	—	—	—
Wall plaster, gypsum	—	—	—
Wall plaster, other	—	—	—
Wardrobes, wall board	—	—	—
Washboards	No.	108,229	58,359
Washers, leather	doz.	7,057,317	390,047
Washers and gaskets, iron, steel, etc.	—	—	—
Washing compounds	—	—	—
Waste, cotton and wool	lb.	42,416,503	7,177,626
Waste, wood	ton	75,633	270,747
Waste, other, not specified	—	—	—
Watches, assembled	No.	871,878	4,313,496
Watch bracelets, cases, etc.	—	—	—
Water, aerated	gal.	94,803,207	5,938,344
Water, distilled	"	239,857	1,021,745
Water, mineral, natural	—	—	—
Waterproofing of fabrics	yd.	3,438,353	77,295,550
Waterproofing preparations	—	—	—
Wax and wax compounds all kinds	—	—	—
Wax, sealing	—	—	—
Weatherstrip	—	—	—
Weaving, custom	—	—	—
Webbing, elastic	—	—	—
Webbing, other	—	—	—
Weeders	No.	2,515	1,244,418
Weed killer	—	—	—
Welding apparatus with control equipment and accessories	—	—	—
Welding compounds and fluxes	—	—	—
Welding rods and welding wires (Included in "Wire, steel, plain.")	—	—	—
Welting	—	—	—
Wheelbarrows and parts	—	—	—
Wheels, automobile	—	—	—
Wheels, railway car	—	—	—
Wheels, not specified	—	—	—
Whips	No.	5,897	7,026,909
Whiskies (see "Spirits")	—	—	—
Whisks	doz.	48,344	249,263
Windows, complete, aluminum and other	—	—	—
Wine sold during the year	imp.gal.	4,386,918	4,477
Wine produced and placed in storage for maturing	"	4,677,055	192,866
Wine spirit	—	—	—
Wiping cloths and rags, washed and sterilized	lb.	13,878,047	2,448,994
Wiping cloths and rags, other	—	—	—
Wire, brass and copper	—	—	—
Wire, gold filled and alloys	—	—	—
Wire, steel:			
Barbed:			
Quantity made	ton	10,644	—
Quantity sold	"	10,389	—
Cold rolled flat, all sizes:			
Quantity made	"	3,799	1,768,751
Quantity sold	"	1,821	—
Galvanized:			
Quantity made	"	69,406	477,506
Quantity sold	"	31,559	—
Plain:			
Quantity made	"	294,373	5,627,293
Quantity sold	"	83,997	—
Strand, twisted:			
Quantity made	"	5,590	12,561,419
Quantity sold	"	5,942	—
Other, coated:			
Quantity made	"	4,758	1,956,004
Quantity sold	"	3,752	—
Wire and cable, electrical	—	—	—
Wire rope and cable, n.s.	—	—	—
Wire, tungsten	—	—	—
Wire cloth, all metals, including screen cloth	—	—	—
Wire mesh, steel, woven or welded	—	—	—
Wire netting	—	—	—
Wire goods, not specified	—	—	—
Wiring devices, not elsewhere specified	—	—	—
Wooden products, n.s.	—	—	—
Wood flour	—	—	—

1. Indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1951 - Continued

Items	Unit of measure	Quantity	Value
			\$
Woodenware, kitchen.....	—	—	470,265
Woodenware, not specified.....	—	—	554,175
Wood preservation.....	—	—	1
Wood preservatives.....	—	—	396,254
Wood turning, n.s.....	—	—	828,501
Woodwork, sanitary.....	—	—	391,004
Wool pulled.....	lb.	2,674,860	1,730,978
Wool tops.....	—	—	1
Wool noils.....	—	—	1
Wool or part wool, reworked or reprocessed.....	lb.	13,558,177	4,182,109
Woollen cloth woven:			
Suitsings, dress goods, overcoatings, etc.			
All wool, woollen.....	sq. yd.	14,802,969	31,136,158
All wool, worsted.....	—	7,441,048	22,395,334
Woollen and worsted, mixed.....	—	2,464,665	10,506,159
Cotton warp, worsted.....	—	—	1
Cotton warp, woollen.....	sq. yd.	1,254,025	1,401,127
Other woollen and mixtures.....	—	5,159,873	7,900,429
Other woven fabrics, wool or containing wool.....	—	—	924,503
Woven goods, not yard material.....	—	—	3,347
Wrappers, waxed (see "Paper, waxed").....	—	—	—
Wrappers, paper, other than waxed (see also "Boxes, paper, corrugated").....	—	—	889,727
Wrappers, printed.....	—	—	3,738,156
Wringers, clothes.....	No.	155,903	1,664,310
Xylol.....	—	—	1
Yarns, spun for sale:			
Cotton:			
Grey, knitting.....	lb.	17,161,012	15,203,773
Grey, other, singles.....	—	8,227,038	6,761,536
Grey, other, plied.....	—	13,723,588	11,692,171
Bleached, knitting.....	—	505,618	620,068
Bleached, other.....	—	279,729	280,109
Coloured, knitting.....	—	3,579,968	3,718,380
Coloured, other.....	—	1,883,034	1,790,852
Tire cord.....	—	—	1
Other, including mercerized.....	lb.	3,442,763	4,286,258
Cotton and wool mixed:			
Grey.....	—	426,627	711,281
Bleached and coloured.....	—	33,878	71,240
Rayon, thrown.....	—	6,415,113	5,812,853
Nylon, thrown and other.....	—	1,423,283	5,757,600
Rubber, covered.....	—	—	1
Synthetic mixtures.....	lb.	869,841	1,053,971
Synthetic singles.....	—	26,783,746	33,805,747
Spun rayon and spun rayon mixtures.....	—	4,836,753	4,845,215
Woollen:			
Hand knitting.....	—	471,803	1,206,190
Machine knitting.....	—	6,727,919	8,472,630
Weaving.....	—	1,565,681	1,477,934
Carpet.....	—	1,688,695	3,099,908
Not specified.....	—	164,957	701,067
Worsted, oil spun:			
Hand knitting.....	—	1,574,076	5,137,943
Machine knitting.....	—	3,889,004	10,898,748
Weaving.....	—	1,855,087	6,725,886
Carpet.....	—	8,069	11,890
Worsted, dry spun:			
Weaving.....	—	188,876	722,383
Knitting.....	—	922,923	3,407,378
Yarns, not specified.....	—	2,004,327	3,824,568
Yeast, dry, bakers'.....	—	1,222,662	2,083,254
Yeast, dry, brewers'.....	—	2,468,872	336,692
Yeast, fresh (for sale).....	—	23,417,141	3,572,187
Yeast, made for own use in breweries.....	—	3,341,152	—
Yeast food, bread improver, etc.....	—	5,962,445	752,811
Yoghourt.....	gal.	69,515	160,552
Zinc, refined, zinc alloys, etc.....	lb.	11,777,415	2,898,151
Zinc chloride.....	—	—	1
Zinc naphthenate.....	—	—	1
Zinc oxide and zinc dust.....	—	—	1
Zinc products, not specified.....	—	—	1
Manufactured food products, packaged only.....	lb.	15,583,787	2,700,955
Amount received by clothing contractors.....	—	—	11,995,629
Inter-company transfers.....	—	—	2,543,356
All other products, not specified:			
Foods and beverages.....	—	—	11,504,309
Tobacco and tobacco products.....	—	—	641
Rubber products.....	—	—	295,351
Leather products.....	—	—	3,781,765
Textile products (except clothing).....	—	—	2,597,084
Clothing (textile and fur).....	—	—	1,206,671
Wood products.....	—	—	3,636,787
Paper products.....	—	—	4,210,239
Printing, publishing and allied industries.....	—	—	6,384,829
Iron and steel products.....	—	—	88,410,741
Transportation equipment.....	—	—	63,083,501

1. Indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1951 — Concluded

Items	Unit of measure	Quantity	Value
			\$
All other products, not specified— Concluded			
Non-ferrous metal products	—	—	16,849,165
Electrical apparatus and supplies	—	—	8,738,667
Non-metallic mineral products	—	—	8,524,115
Products of petroleum and coal	—	—	866,284
Chemicals and allied products	—	—	17,312,973
Miscellaneous manufacturing industries	—	—	2,803,219
Custom work and repairs:			
Foods and beverages	—	—	3,695,761
Tobacco and tobacco products	—	—	—
Rubber products	—	—	—
Leather products	—	—	738,486
Textile products (except clothing)	—	—	3,963,144
Clothing (textile and fur)	—	—	1,918,214
Wood products	—	—	9,077,078
Paper products	—	—	139,655
Printing, publishing and allied industries	—	—	—
Iron and steel products	—	—	57,928,744
Transportation equipment	—	—	124,569,358
Non-ferrous metal products	—	—	2,678,172
Electrical apparatus and supplies	—	—	4,926,558
Non-metallic mineral products	—	—	339,200
Products of petroleum and coal	—	—	—
Chemicals and allied products	—	—	—
Miscellaneous manufacturing industries	—	—	10,006,780
Products which were reported by only one or two firms and for which figures cannot be shown separately (See commodities indicated by footnote 1)	—	—	625,685,054
Total Value of Products Listed			16,761,562,723
Adjustments due to valuation of intermediate products, excise taxes, etc.	—	—	369,375,591
Total	—	—	16,392,187,132

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