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MANUFACTURES OF THE NON-METALLIC MINERALS IN CANADA



1926

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NOTES ON STATISTICS OF PRODUCTION

In the collection of production data, the Dominion Bureau of Statistics makes a division between primary and secondary production. In the first-named class, there are separate sections for the collection of statistics on (a) **Agricultural Products**, (b) **Furs**, (c) **Fish**, (d) **Forest Products**, (e) **Mineral Products**.

In the second are included (a) **Manufacturing** and (b) **Construction**.

Manufacturing is subdivided into nine groups of industries, producing concerns being classified according to the principal component material of their major products. For example, manufactures of leather goods are classified under "Animal Products"; the pulp and paper industry, under "Wood and Paper," etc. An outline of the scheme of classification in use for manufacturing industries is given below:

Manufactures of:

- (1) **Vegetable Products**, including—Coffee and Spices; Cocoa and Chocolate; Preserved and Canned Products; Pickles, Vinegar and Cider; Flour and Cereals; Bread and other Bakery Products; Macaroni and Vermicelli; Distilled and Brewed Liquors and Wines; Rubber Products; Starch and Glucose; Sugar; Tobacco Products; Linseed Oil and Oil Cake.
- (2) **Animal Products**, including—Fish and Fish Products; Dairy Factory Products; Meat and Meat Products; Leather and Leather Products; Furs and Fur Products.
- (3) **Textiles and Textile Products**, including—Cotton Textiles (Cloth, Yarn, Thread and Waste); Woolen Textiles (Cloth, Yarn, Blankets, Felt and Waste); Silk Products; Factory-Made Clothing; Carpets, Rugs and Mats; Cordage, Rope and Twine.
- (4) **Wood and Paper**, including—Pulp and Paper Mill Products; Paper Goods; Printing, Publishing and Lithographing; Saw and Planing Mill Products; Furniture; Carriages, Wagons and Sleighs; Wooden Containers; Woodenware; Turned Wood Products; and the Output of Similar Wood-Using Industries.
- (5) **Iron and Steel and Their Products**, including—Pig Iron and Ferro-Alloys; Steel and Rolled Products; Castings and Forgings; Boilers, Tanks and Engines; Agricultural Implements; Machinery; Automobiles; Automobile Supplies; Bicycles; Railway Rolling Stock; Wire and Wire Goods; Sheet Metal Products; Hardware and Tools; Miscellaneous Iron and Steel Products.
- (6) **Manufactures of Non-Ferrous Metals**, including—Aluminium and Aluminium Ware; Brass and Copper Products; Lead, Tin and Zinc Products; Precious Metal Products; Electrical Apparatus and Supplies; Miscellaneous Non-Ferrous Metal Products.
- (7) **Manufactures of Non-Metallic Minerals**, including—Aerated Waters—Asbestos and Allied Products—Cement—Cement Products—Coke and By-Products—Gas, Illuminating and Fuel—Glass (blown, cut, ornamental, etc.)—Lime—Petroleum Products—Products from Domestic Clays—Products from Imported Clays—Salt—Sand—Lime Brick—Stone, Monumental and Ornamental—Miscellaneous Non-Metallic Mineral Products including (a) Artificial Abrasives (b) Abrasive Products (c) Artificial Graphite and Electrodes (d) Gypsum Products (e) Mica Products (f) Miscellaneous Non-Metallic Mineral Products, n.e.s.
- (8) **Chemicals and Allied Products**, including—Coal Tar and its Products; Acids, Alkalies, Salts and Compressed Gases; Explosives, Ammunition, Fireworks and Matches; Fertilizers; Medicinal and Pharmaceutical Preparations; Paint, Pigments and Varnishes; Soaps, Washing Compounds and Toilet Preparations; Inks, Dyes and Colours; Wood Distillates and Extracts; Miscellaneous Chemical Products including (a) Adhesives, (b) Baking Powder, (c) Boiler Compounds, (d) Celluloid Products, (e) Flavouring Extracts, (f) Insecticides, (g) Polishes and Dressings, (h) Sweeping Compounds, (i) Chemical Products, n.e.s.
- (9) **Miscellaneous Products**, including—Brooms and Brushes; Electric Light and Power; Musical Instruments, etc.

The statistics of manufactures are also classified according to the **use or purpose** of the end product as follows:—

- (1) **Food**, including—Breadstuffs; Fish; Nuts; Fruits and Vegetables; Meats; Milk Products; Oils and Fats; Sugar; Infusions; Miscellaneous.
- (2) **Drink and Tobacco**, including—Beverages, alcoholic; Beverages, non-alcoholic; Tobacco.
- (3) **Clothing**, including—Boots and Shoes; Fur Goods; Garments and Personal Furnishings; Gloves and Mitts; Hats and Caps; Knitted Goods; Waterproofs; Miscellaneous.
- (4) **Personal Utilities**, including—Jewellery and Time-Pieces; Recreational Supplies; Personal Utilities, n.e.s.
- (5) **House Furnishings**.
- (6) **Books and Stationery**.
- (7) **Vehicles and Vessels**.
- (8) **Producers' Materials**, including—Farm Materials; Manufacturers' Materials; Building Materials; General Materials.
- (9) **Industrial Equipment**, including—Farm Equipment; Manufacturing Equipment; Trading Equipment; Service Equipment; Light, Heat and Power Equipment; General Equipment.
- (10) **Miscellaneous**.

PREFACE

Industries using non-metallic minerals as their principal raw materials, constitute a considerable section of the manufacturing industry in Canada. In 1926, the year for which statistics are given in this report, there were 1,241 plants operating in this class, in which upwards of 26,000 persons found employment in the production of an output valued at \$173,587,527; of this sum, more than \$90 millions represented newly-created wealth.

Many varieties of products are made by the numerous industries here grouped for statistical study. Some of the enterprises produce valuable marketable products from materials that, as such, have little commercial worth. Brick and cement plants are typical of this class. Others, such as the coke, gas and glass industries, start with raw materials that have many other uses—coal, sand, and lime, for example—and from these make products of greater commercial value.

A departure from previous practice in the preparation of this report is to be found in the treatment of all the different industries in this class as one main division of manufactures; in previous editions, detailed information was given only in regard to "manufacturing" industries, totals alone being shown for each of those other groups of producing concerns that are usually thought of as being engaged in the "primary" industry of mining; statistics showing the activities of these enterprises, previously described only in the reports of Canada's mining industry, have been embodied in this report so as to provide the necessary comprehensive treatment of the entire industrial group.

On the next preceding page there is a brief note on the Bureau's classification of industries for the collection of production statistics, which shows the place of the present report in the general scheme.

As in the previous issue, there has been included a list of the names and addresses of the reporting firms arranged by industries and by provinces.

The present report has been prepared by Mr. H. McLeod, B.Sc., under the direction of Mr. S. J. Cook, B.A., A.I.C., F.C.I.C., Chief of the Mining, Metallurgical and Chemical Branch.

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DOMINION BUREAU OF STATISTICS,
OTTAWA, March 22, 1928.

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DOMINION BUREAU OF STATISTICS

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MANUFACTURES OF THE NON-METALLIC MINERALS IN CANADA, 1926

CHAPTER ONE

GENERAL REVIEW

(a) Summary

Manufactures of non-metallic mineral products in Canada during 1926 were valued at \$173,587,527, an increase of 29.3 million dollars over the corresponding figure for 1925 and the highest value on record for this group of industries. The manufacture of Portland cement, lime, salt, and products from domestic clays have been included in this classification for the first time as it is thought these operations are essentially of a manufacturing nature and should come within the scope of the census of manufactures as well as under mineral production; accordingly they have been classified with the manufactures of the non-metallic minerals and data have been included in the figures for 1926. In the general tables given in Chapter One, therefore, the totals are not exactly comparable with the figures shown for 1925.

The "Manufactures of the Non-Metallic Minerals" now include the following 15 industrial groups: aerated waters; asbestos and allied products; cement; cement products; coke and its by-products; illuminating and fuel gas; glass; lime; petroleum products; domestic clay products including brick and tile, clay sewer pipe, fire brick and fire clay products, stoneware and pottery; imported-clay products; salt; sand-lime brick; monumental and ornamental stone; and miscellaneous non-metallic mineral products including artificial abrasives and abrasive products, artificial graphite and carbon electrodes, gypsum products, mica trimming, foundry facings, etc.

As thus defined, the industry in 1926 covered the operations of 1,241 plants which represented a capital of \$261,724,184 and gave employment to 26,045 people over the yearly period. A total of \$31,986,949 was paid out in salaries and wages; and \$14,372,116 was spent on fuel and electricity during the year.

Practically every industry in this group showed a higher production value than in 1925. Output of petroleum products such as gasoline, fuel oil, lubricants and similar products amounted in value to 71.2 million dollars; coke and by-products showed a gain of over 4 million dollars to a total of \$15,261,474; glass products were higher in value by 15 per cent; products from imported clays gained 7 per cent; asbestos and allied products, 14 per cent; cement products, 26 per cent; monumental and ornamental stone, 8 per cent; aerated waters, 8 per cent; artificial gas, 2.4 per cent; and miscellaneous non-metallic mineral products, 8 per cent. Production of lime was up 12 per cent in value; the output of salt was higher by 5 per cent; stoneware and pottery, 20 per cent, and brick and tile, 10 per cent; while the outputs of clay sewer pipe and fire brick and fire clay products were valued at about the same figures as in 1925; the value of Portland cement was lower by 7 per cent; and sand-lime brick was down 26 per cent.

Manufacturing of secondary products from non-metallic minerals was centered in Ontario and Quebec. Of the 1,241 factories in operation in 1926, there were 676 or 55 per cent in Ontario and 260 or 21 per cent in Quebec. Ontario's plants produced commodities worth \$84,195,914 or 49 per cent of the total, and Quebec's output was worth \$39,946,596 or 23 per cent of the Canadian total. Nova Scotia ranked third with 55 establishments and a total output worth \$12,956,291; Alberta was next with production valued at \$11,459,059 from 42 plants; 72 factories in British Columbia made non-metallic mineral products worth \$10,623,659; the 36

plants in Saskatchewan produced commodities worth \$8,434,804; Manitoba's 52 concerns had an aggregate output valued at \$5,088,556; New Brunswick had 45 plants with an output worth \$830,400; and the 3 concerns in Prince Edward Island reported a total production worth \$52,248.

Petroleum products was by far the most important industry of the non-metallic group with a total output value of \$71,196,311 or 41 per cent of the total for the group. The manufacture of illuminating and fuel gas was next with a total production worth \$18,264,860; coke and by-products, \$15,261,474; Portland cement, \$13,013,283; glass, \$11,670,269; domestic-clay products, \$10,357,323; miscellaneous non-metallic mineral products, \$8,612,658; aerated waters, \$7,406,504; monumental and ornamental stone, \$5,799,690; lime, \$3,781,484; cement products, \$2,544,242; asbestos and allied products, \$1,530,094; salt, \$1,480,149; and sand-lime brick, \$629,672.

Capital employed in the manufacture of non-metallic mineral products in 1926 was reported at \$261,724,184, an increase of 22 millions over the corresponding figure for 1925. The cost of lands, buildings, plant including machinery and tools, was given at \$194,069,514; the cost of supplies and stock on hand was placed at \$41,329,029; and working capital including cash, trading and operating accounts and bills receivable, totalled \$26,325,641. The petroleum products industry showed the greatest investment at \$57,178,125; artificial gas works came next with \$55,573,267; cement mills at \$41,380,000; brick and tiles, sewer pipe, etc., at \$28,152,062; coke plants at \$24,769,899; aerated waters, glass, and the miscellaneous group reported a capital in the neighbourhood of 10 million dollars each; lime, 6 millions; salt, asbestos products, cement products, imported-clay products, about 3 millions each; and sand-lime brick, about 1 million dollars.

Investment in plants in Ontario amounted to \$116,091,479 or 44 per cent of the total; Quebec reported an aggregate capital of \$60,733,609; British Columbia, \$24,610,189; Nova Scotia, \$21,552,017; Manitoba, \$12,718,184; Alberta, \$12,426,666; New Brunswick, \$7,111,242; Saskatchewan, \$6,452,055, and Prince Edward Island, \$28,743.

Including both salaried employees and wage-earners, the total number of people employed in the manufacture of non-metallic minerals in Canada in 1926 was 26,045 of whom 13,035 were working in Ontario, 7,420 in Quebec, 1,683 in British Columbia, 1,131 in Alberta, 949 in Nova Scotia, 927 in Manitoba, 564 in Saskatchewan, 324 in New Brunswick and 12 in Prince Edward Island. Total payment for salaries and wages amounted to \$31,986,949.

Employment, as reflected by the monthly records of the number of wage-earners on the rolls on the fifteenth of each month, showed 17,158 wage-earners (exclusive of salaried employees) on the rolls in January and thereafter a gradually increasing number to a maximum of 24,245 in August; in later months there was a reduction in staffs, to 19,769 in December. The average for the year was 22,407.

Fuel and electricity used during the year in the plants classified under the manufactures of the non-metallic minerals cost \$14,372,116. Electric power alone cost \$2,393,124 while among the fuel items, bituminous coal was of most importance, there being used a total of 1,150,629 tons at a cost of \$6,607,713. Fuel oil was of next importance, consumption amounting to 45 million gallons worth \$2,336,853. Concerns in Ontario expended \$7,408,249 for fuel and electricity while firms in Quebec spent \$4,135,229 for this purpose.

Imports into Canada of non-metallic minerals and their products totalled \$152,687,995 in value during 1926, as compared with \$138,110,676 in the previous year. Imports of coal and its products were valued at \$67,231,098 and imports of petroleum, asphalt and their products, chiefly crudes, were worth \$52,508,042. United States supplied \$126,804,919 worth or 83 per cent of Canada's imports in this class, while only 7 per cent came from the United Kingdom. Exports from Canada during 1926 were valued at \$27,095,283 as against \$24,343,120 in 1925. Asbestos and its products exported were worth \$10,705,301; coal and its products were valued at \$6,925,003; and stone and its products at \$5,810,548. United States took 64.5 per cent of Canada's exports of non-metallic minerals and their products; the United Kingdom took 6.5 per cent, and the remaining 29 per cent went to other countries, chief among which were Newfoundland, Germany, Irish Free State, Belgium, Japan, Italy, Australia, New Zealand, the Netherlands, Alaska, Norway and British South Africa.

(b) By Industries.

Aerated Waters.—Production from the aerated waters industry in Canada during 1926 was valued at \$7,406,504, which was a small increase over the output value of \$6,877,524 in 1925. Plants in operation numbered 347 which was the greatest on record and the capital employed at \$10,695,527 was also the highest ever shown for the industry. The average number of employees was 1,691 and payments for salaries and wages totalled \$1,879,321. Materials used in manufacturing cost \$3,053,477.

The industry was centred in Quebec and Ontario; the 242 plants in these provinces accounted for an output worth \$5,489,176 or 74 per cent of the Canadian production.

The 347 establishments in this line of work in 1926 were distributed as follows: Prince Edward Island, 1; Nova Scotia, 22; New Brunswick, 20; Quebec, 97; Ontario, 145; Manitoba, 12; Saskatchewan, 15; Alberta, 14; and British Columbia, 21. Many of these plants were merely small bottling works.

In 1925, there were 313 factories in operation, employees numbered 1,684, and production was valued at \$6,877,524.

Asbestos and Allied Products.—Manufactures of asbestos and allied products in Canada showed an increase in value of 14 per cent in 1926 when the production was reported at \$1,530,094. Fourteen factories were in operation in this industry: 5 were in Ontario, 4 in Quebec, 3 in British Columbia and one in each of the provinces of Manitoba and Nova Scotia. These plants employed a capital of \$2,773,433, gave employment to 270 people and used materials worth \$750,907 in the manufacture of commodities valued at \$1,530,094. Asbestos packing, brake linings, pipe covering, paper, shingles and lumber were the main products of the industry. Magnesite flooring and stucco were made in 3 plants.

In 1925, there were 12 plants in this group; 256 people were employed and output was worth \$1,344,097.

Imports of asbestos manufactures were valued at \$565,635 in 1926 as against \$448,769 in 1925. Exports of manufactures, including roofing, were worth \$43,011 as compared with \$55,572 in 1925.

Cement.—Twelve plants in Canada, operated by 7 different companies, produced Portland cement in 1926. Shipments were the highest ever recorded for the industry at 8,707,021 barrels as against 8,116,597 in 1925 but the aggregate value was lower at \$13,013,283 as compared with \$14,046,704 in the previous year. Imports of cement during 1926 amounted to 21,114 barrels and exports were recorded at 285,932; thus the apparent consumption of cement in Canada during 1926 was 8,442,203 barrels.

Quebec showed a higher production than any other province at 3,727,377 barrels, while Ontario produced 3,398,860 barrels; Manitoba, 612,155 barrels; British Columbia, 544,863 barrels; and Alberta, 423,766 barrels.

Cement Products.—An increase of half a million dollars in the value of cement products manufactured in Canada was recorded in 1926 when production amounted to \$2,544,242. In that year there were 185 concerns in this group which included all firms which produced concrete blocks, tile, sewer pipe, sills and similar manufactures of cement and artificial stone in which cement is used as a binding medium. Ontario with 133 plants had an output worth \$1,583,437 or 62 per cent of the total for Canada. There were also 35 producers in Quebec; 6 in British Columbia; 4 in Nova Scotia; 3 in New Brunswick; 3 in Saskatchewan; and 1 in Alberta. Capital employed in these establishments was \$2,857,752, and employment was given to an average of 922 people the year round. The records, of course, include a great number of small producers but many small operators who worked in spare time only, were not asked to make reports.

In 1925, reports were received from 197 plants in this group, employment was given to 819 persons and output was valued at \$2,020,239.

Coke and By-Products.—This industry includes only the producers of metallurgical coke from by-product or bee-hive ovens. Coke was also recovered as a by-product from artificial gas plants or petroleum refineries but these latter industries have been reviewed separately in other chapters of this report.

Only 6 plants in Canada produced metallurgical coke in 1926; 3 were in Ontario; 2 in British Columbia; and 1 in Nova Scotia. These concerns represented an investment of \$24,769,899 and gave work to an average of 615 people the year round. The same 6 plants were in operation in 1925 but the production value of coke and by-products at \$15,261,474 in 1926 was 4 million dollars over the figure for 1925.

During 1926 a total of 1,254,866 tons of foreign coal and 938,134 tons of Canadian coal were charged to the coke-ovens to produce 1,555,962 tons of metallurgical coke giving, thus, an average yield of 71 per cent or 1,420 pounds of coke for every ton of coal charged to the ovens. Production in Ontario amounted to 929,838 tons or 60 per cent of the total output for the industry. The bulk of the metallurgical coke made in Eastern Canada was for use in iron blast furnaces while that made in the Western provinces was used chiefly in copper smelters.

Including coke from gas plants, the total production in Canada amounted to 2,027,058 tons, imports totalled 988,034 tons and exports amounted to 41,699 tons. The apparent consumption of coke in Canada during 1926 was 2,973,235 tons as against 2,373,588 tons in 1925.

Illuminating and Fuel Gas.—Artificial gas made in the industrial gas plants in Canada in 1926 totalled 14,067,676 M cubic feet of which 12,573,892 M cubic feet were sold for \$14,417,652. By-products of gas manufacture were worth \$3,847,208, thus bringing the total value of products for the industry to \$18,264,860 as compared with \$17,874,479 in the previous year.

There were 44 establishments in operation in 1926 of which 29 made coal gas or carburetted water gas, 9 made pintsch oil gas and 6 manufactured acetylene. Capital employed was reported at \$55,573,267; the average number of employees was 3,678 and materials for use in manufacturing cost \$6,226,100.

Straight coal gas and carburetted water gas were the most important products. Pintsch oil gas was made at certain divisional plants along the railroads and was supplied in cylinders for railway car lighting purposes, and acetylene gas was made and used for lighting purposes in several small prairie towns.

Glass.—In the glass industry have been included those plants making pressed and blown glass, and also those plants engaged principally in bevelling and cutting plate glass to make cut glass, plain or bevelled mirrors, etc., and in the bending of plate and sheet glass and assembling leaded and other art glass.

In 1926, pressed and blown glass was made by 7 plants in Canada while 45 different establishments were engaged in the bevelling, bending and cutting of glass. Production of pressed and blown glass was valued at \$8,390,035 as compared with a figure of \$7,444,246 in 1925 and other glass products were valued at \$3,280,234 as against \$2,673,358 in the previous year. There was no plate glass made in Canada and the entire supply, therefore, was imported and cut and bevelled as required. Imports of glass and glassware during the year were valued at \$8,515,395 and exports at \$214,896.

Lime.—Sixty different plants in Canada produced quicklime or hydrated lime during 1926. Output from these units totalled 11,825,736 bushels worth \$3,781,484 and included 9,945,336 bushels of quicklime worth \$3,018,853 and 1,880,400 bushels of hydrated lime valued at \$762,631. Ontario with 28 operating plants produced 6,522,747 bushels or 45 per cent of all lime made in Canada, while Quebec made 2,849,635 bushels or 24 per cent of the total.

Capital employed in this industry in 1926 was reported at \$5,825,809 and the average number of employees was 1,106. In 1925, there were 62 plants in operation, capital stood at \$5,154,046, employees numbered 1,006 and production amounted to 10,256,542 bushels worth \$3,387,652.

Petroleum Products.—Petroleum products in Canada showed an increase of 20.4 million dollars in output value in 1926 to a total of \$71,196,311. This figure includes the output of 17 oil refineries, valued at \$70,570,240 and the production of compounding plants, worth \$626,071.

Oil refineries in 1926 treated 12,203,286 gallons of Canadian oil and 573,263,043 gallons of imported oil to make 222,146,704 gallons of gasoline, 228,474,212 gallons of fuel oil, 58,502,190 gallons of kerosene, 16,894,609 gallons of lubricating oils, 10,899,799 pounds of grease, 9,858,490 pounds of wax and candles, as well as petroleum, coke, asphalt, stove oil and other products. Employees in the various refineries numbered 3,698 in 1926 and the total cost of materials used was \$50,783,871.

The 6 plants making lubricating oils or greases made lubricating oil worth \$442,491, core oil valued at \$11,423, greases worth \$74,455 and other products worth \$97,702. Employees numbered 55 and materials cost \$388,288.

Imports of petroleum and its products in 1926 were valued at \$52,063,686 and exports were worth \$2,081,587.

Domestic-Clay Products.—Production of clay products in Canada from domestic raw materials was valued at \$10,357,323 in 1926 as against \$9,529,691, in 1925. The number of plants in operation was 201, capital employed amounted to \$28,152,062, employees numbered 4,395, payments for salaries and wages totalled \$4,346,687 and expenditures for fuel and electricity amounted to \$2,080,054.

In 1926, this group included an output value of \$8,146,514 from 184 factories which made brick and tile as main products; \$1,177,247 from the 5 concerns which made clay sewer pipe; \$710,836 from 8 firms which were engaged chiefly in manufacturing fire brick and other refractories; and \$322,726 from the 4 establishments included in the stoneware and pottery group.

Imported-Clay Products.—Under this heading have been grouped those plants in Canada which manufactured clay products such as porcelain insulators, fire brick, sanitary ware, etc., from special clays imported for the purpose. In 1926 there were 12 plants in this class and the value of production was \$2,039,514, an increase of 17 per cent over the figure for 1925. These concerns employed a capital of \$2,849,558 and gave work to 597 persons during the year.

Porcelain insulators were the main product the output in 1926 being worth \$1,027,280.

Salt.—Production of salt in Canada during 1926 again showed an increase to 262,547 tons, a gain of 12.3 per cent over the former record of 233,746 tons in 1925. The value of the output was \$1,480,149 in 1926 and \$1,410,697 in 1925. Twelve factories employing 384 people were in operation during the year; 10 were in Ontario, 1 in Alberta and 1 in Nova Scotia. Ontario accounted for 96 per cent of the entire Canadian output.

Sand-Lime Brick.—Sand-lime brick was manufactured in Canada in 10 different plants during 1926; 8 were located in Ontario and 2 in Manitoba. Production totalled 50,282M. valued at \$606,409 as compared with an output of 68,896M. worth \$854,055 from the 10 factories which were operating in 1925. Two plants did not operate during the year but two new factories were opened. Capital employed in 1926 stood at \$1,082,577 and employees numbered 218.

Monumental and Ornamental Stone.—This group includes all firms engaged only in the cutting and finishing of monumental and building stone; the primary industry or the quarrying of stone has been reviewed in a separate report. In 1926, there were 232 plants in this group and production was valued at \$5,799,690 as compared with 214 establishments and an output worth \$5,355,997 in 1925. Many of the establishments were small and employed only 2 or 3 persons. Much of the stone used as raw material in this industry was imported; in 1926 the value of imports of all kinds of stone was \$1,144,614. Capital employed in the industry was given at \$5,443,767 and the average number of employees was 1,491.

Miscellaneous Non-Metallic Mineral Products.—This group includes factories in Canada which manufactured non-metallic mineral products that could not be classified in any of the other industrial groups considered in this report. In 1926, the output was valued at \$8,612,658, including \$6,081,822 from 11 plants making abrasive products, \$1,466,923 from 7 concerns making gypsum products, \$358,609 from 9 mica trimming shops, and \$705,304 from 4 concerns making graphite electrodes, artificial graphite, foundry facings, etc. For the group as a whole, capital employed was \$8,926,857, the average number of employees was 1,552 and materials used cost \$3,004,413.

(c) By Provinces

Prince Edward Island.—Only 3 establishments in Prince Edward Island made non-metallic mineral products in 1926. Of these, 1 made aerated waters and 2 produced monumental and ornamental stone. The total value of products from these plants was \$52,248 and 12 people were employed the year round. In the previous year there were also 3 plants in this group when output was valued at \$90,400 and 22 people were employed, but 1 concern which made non-alcoholic beverages was not operating in 1926 and 1 new stone-cutting plant was added to the list.

Nova Scotia.—In 1926, Nova Scotia had 22 plants producing aerated waters, 12 in the monumental and ornamental stone industry, 10 making clay products, 4 manufacturing cement products, 2 in the lime industry, and 1 concern in each of the asbestos and allied products, coke, gas, salt and petroleum refining industries. These 55 factories represented a capital investment of 21.5 million dollars, afforded employment to 949 persons and had a combined output valued at \$12,956,291. From the standpoint of output values the petroleum refinery at Halifax was the most important of the works in this group, and the coke plant of the Dominion Iron and Steel Company at Sydney was next in line. The plants making clay products, gas, aerated waters, stone, salt, lime, asbestos manufactures and cement products followed in the order named.

New Brunswick.—New Brunswick was represented in the non-metallic mineral products industry by 45 different factories which produced commodities valued in the aggregate at \$830,400 in 1926. In that year, there were 20 concerns manufacturing aerated waters, 10 in the monumental and ornamental stone group, 6 producing lime, 3 making cement products, 3 manufacturing products from domestic clays, 2 making artificial or oil gas, and 1 in the glass industry. Production of aerated waters amounted to \$294,222, the highest value for any of the industries mentioned above; the output of lime was worth \$196,477; and of monumental and ornamental stone, \$123,112.

Quebec.—Quebec ranked next to Ontario in the production of manufactured non-metallic mineral products. In 1926, there were 260 plants in operation in the following industries: aerated waters, 97; monumental and ornamental stone, 50; cement products, 35; domestic-clay products, 20; lime, 15; miscellaneous non-metallic mineral products, 12; glass, 9; imported-clay products, 5; artificial gas, 4; petroleum products, 5; asbestos manufactures, 4; and Portland cement, 4. Production from these plants during the year was valued at \$39,946,596 of which petroleum products contributed \$13,936,296; gas, \$6,345,445; Portland cement, \$4,535,386; glass, \$4,326,650; products from domestic clays, \$2,702,298; aerated waters, \$2,777,310; the asbestos products and the miscellaneous non-metallic mineral products, about a million dollars each; imported clay products, lime and stone industries about \$800,000 each; and cement products, \$650,234.

As compared with 1925, nearly every industry in the group showed a substantial increase in output value. Petroleum products gained in value by more than 5 million dollars; cement products increased by about a quarter of a million dollars; aerated waters, asbestos manufactures, imported-clay products each gained about \$200,000; glass was up by \$135,000; stone, \$213,000; and lime, \$93,000. Value of cement was down about \$1,000,000 although quantity production was higher; income from sales of gas was lower by \$100,000; and output from the miscellaneous non-metallic products industry was down about \$100,000 from the 1925 figure.

Ontario.—Of the 1,241 establishments in Canada which were classified under the manufactures of non-metallic mineral products in 1926, there were 676 or 55 per cent in Ontario, and of a total production valued at \$173,587,527 Ontario accounted for \$84,195,914 or 49 per cent.

Petroleum products held first place with 4 refineries and 3 compounding plants which represented a total investment of about 21 million dollars and produced commodities worth 27.8 million dollars. The coke industry was next with only 3 plants and an output valued at slightly more than 10 million dollars; 2 of these plants made coke principally for use in iron blast furnaces while the other made metallurgical coke for sale. The manufacture of illuminating and fuel gas was of next importance, there being in this business in 1926 some 21 concerns which distributed gas worth 9.1 million dollars. The miscellaneous non-metallic group including artificial abrasives, gypsum products, etc., had an output worth 7.5 million dollars; glass products were worth 6.3 million dollars; products from domestic clays, 5.4 millions; Portland cement, 4.8 millions; monumental and ornamental stone, 3.3 millions; aerated waters, 2.7 millions; lime, 2 millions; cement products, 1.6 millions; salt, 1.4 millions; imported-clay products, 1.2 million; sand-lime brick, 0.6 million; and asbestos and allied products about 0.3 million.

Including 1,786 salaried employees and 11,249 wage-earners, the manufacture of non-metallic minerals in Canada gave employment to an average of 13,035 people throughout the year while payments for salaries and wages amounted to \$16,928,932. Capital employed in the industries in this group was given at \$116,091,479, expenditures for fuel and electricity was \$7,408,249, and the cost at the plant of all materials used in manufacture was \$38,729,031.

Manitoba.—In 1926, Manitoba had 13 plants in the monumental and ornamental stone industry; 12 in the aerated waters group; 6 making clay products; 4 burning lime; 8 in the gas industry; 3 in the glass group; 2 making sand-lime brick; 2 cement mills; 1 petroleum refinery; and 1 concern making magnesite stucco. These 52 establishments used 1.4 million dollars' worth of raw materials in the production of 5 million dollars' worth of non-metallic mineral products and afforded employment to 927 persons throughout the year. The cement industry was the most important of the group, with the gas industry, monumental and ornamental stone, aerated waters, petroleum refining, lime, clay products, glass and sand-lime brick following in order of importance.

Saskatchewan.—Manufactures of non-metallic mineral products in Saskatchewan were valued at \$8,434,804 in 1926. There were 36 plants in operation during the year; 15 made aerated waters; 8 produced monumental or ornamental stone; 7 made products from domestic clays; 1 made acetylene gas and 1 made Pintsch gas; 3 made cement products; and 1 plant refined petroleum. Capital employed in these industries was reported at \$6,452,055; the average number of employees was 564; and expenditures for raw materials totalled \$5,784,310.

Alberta.—With 42 plants in this group Alberta contributed nearly 11.5 million dollars to the total value of non-metallic mineral products made in Canada. Alberta was represented by 14 firms manufacturing aerated waters; 4 oil refineries and 1 plant making lubricating oils, etc.; 9 making clay products; 5 concerns producing monumental and dressed building stone; 2 making cement; 2 producing lime; 1 plant making oil gas; 1 making pressed and blown glass; 1 cutting and bevelling glass to make mirrors, etc.; 1 producing salt; and 1 concern making cement products. Some 1,131 people were employed in these factories which represented a capital of 12.4 million dollars and used materials valued at 5.2 million dollars.

British Columbia.—Plants in British Columbia engaged in the manufacture of non-metallic mineral products numbered 72 and the total production was valued at \$10,623,659. Capital employed in the whole group amounted to over 24.6 million dollars and employment was given to an average of 1,683 people the year round. There were 21 plants manufacturing carbonated beverages of all kinds and the total output was worth \$333,113; 5 establishments produced artificial gas and by-products worth \$1,267,630; 13 factories made clay products valued at \$592,495; 3 concerns produced lime having a sales value of \$416,882; 10 plants produced finished stone worth \$171,554; 5 firms made leaded glass, mirrors, art glass, etc., valued at \$56,469; 6 firms made cement products; 2 made metallurgical coke; 1 made Portland cement; 3 refined petroleum to produce commodities worth \$4,981,574; and 3 made asbestos pipe covering, magnesite products, etc., worth \$21,898.

(d) Prices of Non-Metallic Minerals and Their Products

(Prepared in the Internal Trade Branch)

Price movements of this group of commodities in 1926 were of a mixed nature but on the whole tended to slightly lower levels. Some of the salient features of the movement were as follows:—

Asbestos.—Prices moved upward. No. 1 crude rose from \$412.50 per ton, at the mine, in 1925 to \$504.16 in 1926.

Brick.—These were stable in price at Winnipeg, Montreal and Vancouver, but at Toronto, due to sharp competition, there was considerable movement. In the latter city sand-lime brick rose from \$13 per M in January, 1925, to \$16 in March. This price dropped to \$15.60 in 1926. No. 1 pressed bricks were about \$29.50 in 1925, but fell in 1926 to \$27 and were \$28 during part of the year. Common brick remained at \$23 in both years.

At Winnipeg sand-lime brick was \$18 in 1925 and 1926. Common brick was \$19 and No. 1 dry pressed brick \$36. At Vancouver, sand-lime brick was \$19 and common brick \$23. At Montreal common was \$17.50 and No. 1 dry pressed \$32.

Fire brick was \$65 to \$85 at Toronto, \$60 to \$75 at Montreal, \$85 to \$100 at Winnipeg and \$65 at Vancouver.

Cement.—Prices for this commodity declined at Toronto, Montreal and Vancouver, but were unchanged at Winnipeg. At Toronto, the quotation for carlots, including bags, was \$3.12 per barrel in 1925; in May, 1926, this fell to \$3.07 and to \$2.95 in November. At Montreal the price rose from \$3.07 in January, 1925, to \$3.20 in April, fell to \$3.16 in November, to \$2.52 in April, 1926, and to \$2.22 in May, 1926. At Vancouver there was a decline from \$4.20 in January, 1925, to \$3.25 at the end of 1925, at which price it remained during 1926. The Winnipeg price was \$4.20 throughout both years.

Clay Sewer pipe, vitrified, remained the same over most of the two-year period. At the end of 1926 discounts at Toronto on the standard price lists were about 5 per cent lower.

Lime.—High calcium lime, 95-97 per cent, averaged \$8.08 in 1925 and \$8.58 in 1926, per ton, net, f.o.b. works.

Coke.—Foundry coke, Semet Solway, at Toronto, was \$10 per ton in January, 1925, \$10.50 in October, \$11 in January, 1926, \$10.50 in July and \$11.50 in November.

Glass.—Polished plate glass, 15', averaged \$1.38 per sq. ft. in 1925 and \$1.33 in 1926. Sheet glass, 16 oz. 40", declined from \$5.18 per case in 1925 to \$4.64 in 1926 and, 21 oz. 60", from \$9.58 to \$8.58. This commodity was affected by low prices for imports from Belgium.

Illuminating and Fuel Gas.—The Bureau's index number for manufactured gas used for domestic consumption fell slightly in 1926, being 131.1 as compared with 131.6 in 1925. (Prices in 1913=100.) For natural gas the index declined from 178.7 to 172.2, due chiefly to lower prices in Alberta.

Stone.—Gray coursing stone dropped from \$2.90 per yard in 1925 to \$2.75 in 1926, f.o.b. quarries.

Petroleum products.—Fuel oil at Toronto averaged 9 cents in 1925, per gallon in bulk, and 9.4 cents in 1926. Gasoline, tank wagon prices were 23.7 cents per gallon at Toronto in 1925, and 25.3 cents in 1926. Coal oil W.W. rose from 20 cents to 22.8 cents per gallon.

Salt.—Fine per 280 lbs. in barrels, fell from \$1.43 to \$1.40.

Table 1.—Principal Statistics of the Manufactures of the Non-Metallic Minerals in Canada, 1922-1926

| Year | Number of plants | Capital employed \$ | Average number of employees | Salaries and wages \$ | Cost of fuel and electricity \$ | Cost of materials \$ | Value of products \$ | Value added by manufacturing \$ |
|--------------------------------------------|------------------|---------------------|-----------------------------|-----------------------|---------------------------------|----------------------|----------------------|---------------------------------|
| AERATED WATERS | | | | | | | | |
| 1922..... | 283 | 8,205,457 | 1,537 | 1,803,304 | 88,707 | 2,705,057 | 6,594,509 | 3,888,552 |
| 1923..... | 295 | 8,315,380 | 1,724 | 1,813,531 | 98,807 | 2,672,332 | 6,108,832 | 3,736,509 |
| 1924..... | 296 | 9,385,802 | 1,543 | 1,807,572 | 131,609 | 1,982,340 | 6,351,358 | 4,372,018 |
| 1925..... | 313 | 10,673,331 | 1,684 | 1,839,251 | 145,506 | 3,076,583 | 6,877,524 | 3,800,961 |
| 1926..... | 347 | 10,695,527 | 1,691 | 1,879,321 | 156,510 | 3,053,477 | 7,406,504 | 4,353,027 |
| ASBESTOS AND ALLIED PRODUCTS | | | | | | | | |
| 1922..... | 11 | 1,610,700 | 158 | 189,059 | 10,682 | 271,749 | 615,160 | 343,411 |
| 1923..... | 9 | 1,486,589 | 145 | 176,986 | 12,292 | 260,281 | 583,013 | 322,732 |
| 1924..... | 9 | 1,468,728 | 120 | 169,979 | 19,949 | 267,201 | 589,339 | 322,138 |
| 1925..... | 12 | 2,624,260 | 256 | 282,382 | 62,640 | 783,063 | 1,344,097 | 561,034 |
| 1926..... | 14 | 2,773,433 | 270 | 321,865 | 64,288 | 750,907 | 1,530,094 | 779,187 |
| CEMENT PRODUCTS | | | | | | | | |
| 1922..... | 124 | 1,553,160 | 391 | 372,268 | 21,794 | 533,335 | 1,281,004 | 747,669 |
| 1923..... | 118 | 1,964,580 | 421 | 458,745 | 25,242 | 596,654 | 1,505,528 | 908,874 |
| 1924..... | 116 | 1,073,758 | 455 | 425,078 | 29,419 | 493,270 | 1,257,851 | 761,001 |
| 1925..... | 197 | 2,594,736 | 819 | 897,716 | 40,442 | 700,290 | 2,020,259 | 1,280,943 |
| 1926..... | 185 | 2,857,752 | 922 | 778,662 | 70,815 | 880,041 | 2,544,242 | 1,664,201 |
| COKE AND BY-PRODUCTS | | | | | | | | |
| 1922..... | 6 | 20,363,785 | 533 | 710,893 | 291,225 | 6,130,628 | 7,336,627 | 1,205,900 |
| 1923..... | 5 | 20,494,442 | 508 | 812,376 | 211,515 | 11,437,803 | 13,901,415 | 2,463,582 |
| 1924..... | 6 | 24,315,744 | 530 | 900,992 | 1,125,067 | 6,870,510 | 10,438,462 | 3,558,940 |
| 1925..... | 6 | 23,905,454 | 583 | 885,637 | 1,040,522 | 7,112,311 | 11,020,298 | 3,907,987 |
| 1926..... | 6 | 24,769,899 | 615 | 1,013,752 | 1,063,122 | 9,744,081 | 15,261,474 | 5,517,393 |
| ILLUMINATING AND FUEL GAS | | | | | | | | |
| 1922..... | 48 | 59,615,765 | 3,107 | 3,974,705 | ..... | 6,580,208 | 19,089,470 | 10,508,962 |
| 1923..... | 45 | 45,526,405 | 3,021 | 3,801,832 | ..... | 9,024,084 | 19,605,340 | 10,581,256 |
| 1924..... | 44 | 42,818,276 | 3,648 | 4,835,351 | 2,706,182 | 6,772,676 | 18,101,724 | 11,329,148 |
| 1925..... | 44 | 46,129,651 | 3,804 | 5,057,702 | 1,128,846 | 6,178,609 | 17,874,479 | 11,695,870 |
| 1926..... | 44 | 56,573,267 | 3,678 | 4,883,521 | 589,470 | 6,226,100 | 18,261,860 | 12,038,760 |
| GLASS | | | | | | | | |
| 1922..... | 45 | 15,053,327 | 2,984 | 3,369,854 | 1,064,974 | 3,287,091 | 8,842,589 | 5,555,497 |
| 1923..... | 46 | 14,892,372 | 3,350 | 3,778,802 | 1,365,903 | 3,711,515 | 11,099,026 | 7,383,511 |
| 1924..... | 48 | 13,301,814 | 3,137 | 3,606,213 | 1,255,190 | 3,667,650 | 10,776,816 | 7,109,156 |
| 1925..... | 62 | 12,694,338 | 2,778 | 3,291,912 | 1,101,808 | 4,029,035 | 10,117,604 | 6,088,569 |
| 1926..... | 52 | 11,432,823 | 3,033 | 3,443,644 | 1,143,180 | 4,881,559 | 11,670,269 | 6,785,710 |
| PETROLEUM PRODUCTS | | | | | | | | |
| 1922..... | 19 | 62,051,029 | 3,555 | 5,492,683 | 4,231,787 | 38,413,101 | 57,035,563 | 18,622,372 |
| 1923..... | 20 | 61,027,704 | 4,257 | 5,648,320 | 3,897,272 | 30,810,620 | 46,280,531 | 4,463,838 |
| 1924..... | 25 | 53,795,974 | 3,669 | 5,749,705 | 3,586,532 | 37,092,711 | 40,411,067 | 12,318,356 |
| 1925..... | 21 | 50,580,540 | 3,738 | 5,775,046 | 3,447,130 | 38,261,024 | 50,762,127 | 12,501,103 |
| 1926..... | 23 | 57,178,125 | 3,753 | 5,892,399 | 3,584,795 | 51,172,150 | 71,106,311 | 20,024,152 |
| IMPORTED-CLAY PRODUCTS | | | | | | | | |
| 1924..... | 12 | 1,677,533 | 489 | 567,143 | 141,491 | 535,793 | 1,879,769 | 1,343,976 |
| 1925..... | 12 | 2,762,951 | 552 | 653,211 | 170,330 | 326,023 | 1,741,745 | 1,415,722 |
| 1926..... | 12 | 2,840,558 | 507 | 783,448 | 194,903 | 829,218 | 2,039,514 | 1,519,296 |
| SAND-LIME BRICK | | | | | | | | |
| 1922..... | 11 | 1,224,868 | 223 | 287,705 | 58,258 | 291,903 | 858,807 | 566,904 |
| 1923..... | 8 | 1,042,619 | 225 | 285,948 | 50,810 | 218,118 | 897,960 | 679,842 |
| 1924..... | 12 | 1,346,239 | 236 | 248,045 | 61,237 | 181,260 | 610,946 | 438,686 |
| 1925..... | 10 | 960,729 | 230 | 257,116 | 62,044 | 130,555 | 854,055 | 723,500 |
| 1926..... | 10 | 1,082,577 | 218 | 223,569 | 50,119 | 197,400 | 629,672 | 482,272 |
| MONUMENTAL AND ORNAMENTAL STONE | | | | | | | | |
| 1922..... | 208 | 5,027,955 | 1,273 | 1,809,444 | 19,532 | 1,844,518 | 4,968,487 | 3,123,939 |
| 1923..... | 210 | 5,073,618 | 1,278 | 1,842,963 | 20,170 | 1,683,126 | 5,025,003 | 3,341,877 |
| 1924..... | 210 | 4,944,209 | 1,344 | 1,887,462 | 95,701 | 3,441,753 | 4,730,572 | 3,288,819 |
| 1925..... | 214 | 5,015,729 | 1,262 | 1,811,512 | 96,929 | 1,964,817 | 5,355,997 | 3,391,180 |
| 1926..... | 232 | 5,443,767 | 1,491 | 2,175,223 | 106,492 | 1,859,064 | 5,799,690 | 3,939,726 |
| MISCELLANEOUS NON-METALLIC MINERAL PRODUCT | | | | | | | | |
| 1922..... | 26 | 6,354,115 | 1,371 | 722,080 | 73,990 | 1,318,652 | 3,015,539 | 1,696,887 |
| 1923..... | 38 | 7,262,403 | 2,917 | 1,492,846 | 90,596 | 2,879,015 | 8,147,351 | 6,268,316 |
| 1924..... | 36 | 6,639,059 | 1,707 | 1,328,976 | 564,220 | 2,427,145 | 6,991,904 | 4,561,759 |
| 1925..... | 35 | 8,322,096 | 1,316 | 1,371,895 | 592,327 | 2,686,856 | 7,878,183 | 5,291,327 |
| 1926..... | 31 | 8,026,857 | 1,552 | 1,026,661 | 730,604 | 3,004,113 | 8,612,958 | 5,608,245 |
| Total for all Industries Listed above | | | | | | | | |
| 1922..... | 781 | 161,063,081 | 15,139 | 18,738,055 | 5,860,919 | 63,377,262 | 169,617,434 | 46,260,192 |
| 1923..... | 794 | 166,786,211 | 17,836 | 20,171,649 | 5,772,601 | 69,362,684 | 173,452,042 | 44,150,328 |
| 1924..... | 814 | 161,390,016 | 16,938 | 21,585,516 | 9,713,687 | 61,741,225 | 171,151,828 | 49,410,693 |
| 1925..... | 916 | 166,263,824 | 17,631 | 21,933,383 | 7,888,533 | 65,279,152 | 175,946,348 | 50,667,196 |
| 1926..... | 956 | 183,583,585 | 17,829 | 23,022,095 | 7,754,394 | 82,293,219 | 144,955,288 | 62,661,969 |

Table 1.—Principal Statistics of the Manufactures of the Non-Metallic Minerals in Canada, 1922-1926—Concluded

In addition to the foregoing industries which are generally recognized as "secondary" i.e., purely manufacturing enterprises, there are several "primary" industries that belong to this class. These industries have been listed separately below as they are so included in reports on the mineral industry of Canada.

| Year | Number of plants | Capital employed \$ | Average number of employees | Salaries and wages \$ | Cost of fuel and electricity \$ | Cost of materials \$ | Value of products \$ | Value added by manufacturing \$ |
|-------------------------------------------------|------------------|---------------------|-----------------------------|-----------------------|---------------------------------|----------------------|----------------------|---------------------------------|
| DOMESTIC-CLAY PRODUCTS | | | | | | | | |
| BRICK AND TILE | | | | | | | | |
| 1922..... | 216 | 23,821,180 | 3,904 | 3,782,341 | 1,644,463 | ..... | 8,911,539 | ..... |
| 1923..... | 204 | 24,866,834 | 3,954 | 4,045,487 | 2,264,445 | ..... | 8,220,269 | ..... |
| 1924..... | 192 | 24,423,104 | 3,332 | 3,071,379 | 1,508,573 | ..... | 7,046,355 | ..... |
| 1925..... | 175 | 22,410,450 | 3,403 | 3,167,926 | 1,665,341 | ..... | 7,374,551 | ..... |
| 1926..... | 184 | 23,034,076 | 3,644 | 3,468,052 | 1,761,516 | ..... | 8,146,514 | ..... |
| CLAY SEWER PIPE | | | | | | | | |
| 1922..... | 5 | 3,057,149 | 448 | 547,411 | 217,228 | ..... | 1,571,464 | ..... |
| 1923..... | 5 | 3,022,522 | 459 | 561,515 | 307,681 | ..... | 1,421,002 | ..... |
| 1924..... | 5 | 3,149,838 | 467 | 596,598 | 281,448 | ..... | 1,343,197 | ..... |
| 1925..... | 5 | 2,810,782 | 382 | 461,527 | 240,038 | ..... | 1,182,454 | ..... |
| 1926..... | 5 | 3,026,076 | 407 | 497,512 | 227,456 | ..... | 1,177,247 | ..... |
| FIRE BRICK AND FIRE CLAY PRODUCTS | | | | | | | | |
| 1922..... | 5 | 1,705,753 | 182 | 264,548 | 82,228 | ..... | 683,266 | ..... |
| 1923..... | 6 | 1,786,353 | 192 | 286,377 | 90,286 | ..... | 605,908 | ..... |
| 1924..... | 7 | 1,850,385 | 208 | 258,416 | 74,431 | ..... | 584,838 | ..... |
| 1925..... | 6 | 2,114,738 | 220 | 274,919 | 88,552 | ..... | 702,707 | ..... |
| 1926..... | 8 | 1,780,967 | 195 | 250,869 | 76,544 | ..... | 710,836 | ..... |
| STONWARE AND POTTERY | | | | | | | | |
| 1922..... | 4 | 280,467 | 112 | 121,575 | 12,652 | ..... | 252,880 | ..... |
| 1923..... | 4 | 314,862 | 119 | 117,221 | 14,607 | ..... | 230,924 | ..... |
| 1924..... | 6 | 387,667 | 113 | 114,925 | 14,642 | ..... | 240,687 | ..... |
| 1925..... | 4 | 424,894 | 131 | 129,703 | 15,660 | ..... | 269,979 | ..... |
| 1926..... | 4 | 310,043 | 149 | 130,254 | 15,538 | ..... | 322,726 | ..... |
| CEMENT | | | | | | | | |
| 1922..... | 11 | 41,573,737 | 1,753 | 2,315,240 | 2,457,456 | ..... | 15,438,481 | ..... |
| 1923..... | 10 | 38,284,494 | 1,842 | 2,551,784 | 2,809,414 | ..... | 15,064,661 | ..... |
| 1924..... | 10 | 36,766,574 | 1,837 | 2,531,622 | 2,872,711 | ..... | 13,398,411 | ..... |
| 1925..... | 11 | 38,081,583 | 1,926 | 2,511,400 | 2,848,904 | ..... | 14,046,704 | ..... |
| 1926..... | 12 | 41,380,000 | 2,340 | 3,052,662 | 3,424,156 | ..... | 13,013,223 | ..... |
| LIME | | | | | | | | |
| 1922..... | 62 | 4,984,910 | 1,110 | 1,013,486 | 725,168 | ..... | 3,165,005 | ..... |
| 1923..... | 56 | 6,050,954 | 1,197 | 1,191,416 | 953,709 | ..... | 3,266,608 | ..... |
| 1924..... | 49 | 5,165,964 | 927 | 970,672 | 740,878 | ..... | 3,178,541 | ..... |
| 1925..... | 62 | 5,164,046 | 1,006 | 960,434 | 762,814 | ..... | 3,387,652 | ..... |
| 1926..... | 60 | 6,825,809 | 1,106 | 1,082,854 | 789,090 | ..... | 3,781,484 | ..... |
| SALT | | | | | | | | |
| 1922..... | 11 | 2,205,184 | 371 | 432,261 | 369,000 | ..... | 1,628,323 | ..... |
| 1923..... | 12 | 2,406,992 | 368 | 412,597 | 356,794 | ..... | 1,713,516 | ..... |
| 1924..... | 12 | 2,479,593 | 364 | 431,618 | 342,118 | ..... | 1,374,780 | ..... |
| 1925..... | 13 | 2,663,506 | 402 | 467,487 | 315,368 | ..... | 1,410,697 | ..... |
| 1926..... | 12 | 2,782,728 | 384 | 482,651 | 324,612 | ..... | 1,480,149 | ..... |
| Total of Mineral Industries Listed Above | | | | | | | | |
| 1922..... | 314 | 71,628,350 | 7,880 | 8,479,862 | 5,508,195 | ..... | 31,650,967 | ..... |
| 1923..... | 297 | 76,733,011 | 8,131 | 9,166,397 | 6,786,936 | ..... | 30,522,948 | ..... |
| 1924..... | 281 | 71,223,085 | 7,248 | 7,875,230 | 5,834,801 | ..... | 27,166,809 | ..... |
| 1925..... | 276 | 73,560,061 | 7,470 | 7,973,396 | 5,836,677 | ..... | 28,374,744 | ..... |
| 1926..... | 283 | 78,140,599 | 8,225 | 8,964,834 | 6,617,812 | ..... | 28,622,239 | ..... |
| GRAND TOTAL | | | | | | | | |
| 1922..... | 1,085 | 238,691,461 | 23,010 | 27,217,917 | 11,369,114 | ..... | 141,288,421 | ..... |
| 1923..... | 1,091 | 243,519,722 | 26,067 | 29,338,046 | 12,559,543 | ..... | 143,975,960 | ..... |
| 1924..... | 1,085 | 235,613,111 | 24,186 | 29,561,716 | 15,548,488 | ..... | 138,318,637 | ..... |
| 1925..... | 1,192 | 239,823,825 | 24,591 | 29,906,779 | 13,725,210 | ..... | 144,321,092 | ..... |
| 1926..... | 1,241 | 261,724,184 | 26,045 | 31,986,949 | 14,372,116 | ..... | 153,587,527 | ..... |

Table 2.—Principal Statistics of the Manufactures of the Non-Metallic Minerals in Canada, by Industries and by Provinces, 1925

| Industry | Prince Edward Island and Nova Scotia | New Brunswick | Quebec | Ontario | Manitoba | Saskatchewan | Alberta | British Columbia | *Canada |
|---------------------------------------------|--------------------------------------|---------------|-----------|------------|-----------|--------------|---------|------------------|------------|
| AERATED WATERS— | | | | | | | | | |
| Number of plants..... | 21 | 16 | 88 | 131 | 10 | 16 | 14 | 17 | 313 |
| Capital employed.....\$ | 202,655 | 249,965 | 3,049,711 | 4,311,131 | 1,020,296 | 553,592 | 693,469 | 592,512 | 10,673,331 |
| Salaries and wages— | | | | | | | | | |
| Male..... | 18 | 6 | 136 | 93 | 20 | 16 | 22 | 14 | 325 |
| Female..... | | 4 | 21 | 22 | 3 | 2 | 4 | 1 | 57 |
| Wage-earners— | | | | | | | | | |
| Male..... | 39 | 48 | 467 | 430 | 89 | 52 | 43 | 52 | 1,220 |
| Female..... | 7 | 1 | 24 | 33 | 3 | 4 | 7 | 3 | 82 |
| Total employees..... | 64 | 59 | 648 | 578 | 115 | 74 | 76 | 70 | 1,684 |
| Salaries and wages— | | | | | | | | | |
| Salaries.....\$ | 19,008 | 16,031 | 269,183 | 173,098 | 32,807 | 24,633 | 39,892 | 24,389 | 599,041 |
| Wages.....\$ | 37,473 | 43,583 | 460,700 | 432,262 | 99,478 | 59,570 | 51,589 | 65,558 | 1,250,213 |
| Total.....\$ | 56,481 | 59,614 | 729,883 | 605,360 | 132,285 | 84,203 | 91,481 | 89,947 | 1,849,254 |
| Cost of fuel and electric-ity.....\$ | | | | | | | | | |
| | 4,595 | 4,700 | 49,101 | 47,542 | 0,983 | 13,776 | 6,689 | 9,120 | 145,506 |
| Cost of materials.....\$ | | | | | | | | | |
| | 93,651 | 88,479 | 1,156,235 | 1,041,432 | 252,014 | 151,972 | 144,384 | 148,396 | 3,076,563 |
| Value of products.....\$ | | | | | | | | | |
| | 180,061 | 246,472 | 2,592,501 | 2,425,681 | 422,533 | 359,290 | 342,165 | 308,821 | 6,477,524 |
| ASBESTOS AND ALLIED PRO-DUCTS— | | | | | | | | | |
| Number of plants..... | 1 | | 4 | 6 | | | | 1 | 12 |
| Capital employed.....\$ | | | 2,072,654 | 540,065 | | | | | 2,624,260 |
| Salaries and wages— | | | | | | | | | |
| Male..... | | | 30 | 17 | | | | | 48 |
| Female..... | | | 5 | 7 | | | | | 12 |
| Wage-earners— | | | | | | | | | |
| Male..... | | | 143 | 25 | | | | | 170 |
| Female..... | | | 21 | 4 | | | | | 26 |
| Total employees..... | | | 199 | 63 | | | | | 256 |
| Salaries and wages— | | | | | | | | | |
| Salaries.....\$ | | | 62,152 | 46,535 | | | | | 110,488 |
| Wages.....\$ | | | 140,762 | 28,517 | | | | | 171,894 |
| Total.....\$ | | | 202,915 | 75,052 | | | | | 282,382 |
| Cost of fuel and electric-ity.....\$ | | | | | | | | | |
| | | | 55,247 | 7,022 | | | | | 62,640 |
| Cost of materials.....\$ | | | | | | | | | |
| | | | 567,162 | 207,240 | | | | | 783,663 |
| Value of products.....\$ | | | | | | | | | |
| | | | 922,641 | 403,254 | | | | | 1,344,097 |
| CEMENT PRODUCTS— | | | | | | | | | |
| Number of plants..... | 2 | 5 | 34 | 148 | | 2 | 2 | 4 | 197 |
| Capital employed.....\$ | | 41,348 | 392,081 | 2,068,497 | | | | 21,143 | 2,594,736 |
| Salaries and wages— | | | | | | | | | |
| Male..... | | 1 | 24 | 54 | | | | | 82 |
| Female..... | | | 1 | 7 | | | | | 8 |
| Wage-earners— | | | | | | | | | |
| Male..... | | 15 | 152 | 504 | | | | 9 | 724 |
| Female..... | | | 2 | 3 | | | | | 5 |
| Total employees..... | | 16 | 179 | 568 | | | | 9 | 819 |
| Salaries and wages— | | | | | | | | | |
| Salaries.....\$ | | 900 | 24,126 | 99,868 | | | | | 125,567 |
| Wages.....\$ | | 4,482 | 126,479 | 411,836 | | | | 2,575 | 572,149 |
| Total.....\$ | | 5,382 | 150,605 | 511,704 | | | | 2,575 | 697,716 |
| Cost of fuel and electric-ity.....\$ | | | | | | | | | |
| | | 497 | 8,476 | 30,751 | | | | 30 | 40,442 |
| Cost of materials.....\$ | | | | | | | | | |
| | | 6,077 | 151,933 | 516,258 | | | | 2,537 | 736,296 |
| Value of products.....\$ | | | | | | | | | |
| | | 24,077 | 398,192 | 1,499,938 | | | | 7,448 | 2,628,239 |
| COKE— | | | | | | | | | |
| Number of plants..... | 1 | | | 3 | | | | 2 | 6 |
| Capital employed.....\$ | | | | 10,573,647 | | | | | 23,905,454 |
| Salaries and wages— | | | | | | | | | |
| Male..... | | | | 14 | | | | | 27 |
| Female..... | | | | | | | | | |
| Wage-earners— | | | | | | | | | |
| Male..... | | | | 235 | | | | | 655 |
| Female..... | | | | 1 | | | | | 1 |
| Total employees..... | | | | 250 | | | | | 582 |
| Salaries and wages— | | | | | | | | | |
| Salaries.....\$ | | | | 46,344 | | | | | 80,090 |
| Wages.....\$ | | | | 446,821 | | | | | 865,547 |
| Total.....\$ | | | | 493,165 | | | | | 945,637 |
| Cost of fuel and electric-ity.....\$ | | | | | | | | | |
| | | | | 648,039 | | | | | 1,040,523 |
| Cost of materials— | | | | | | | | | |
| Firm's own make.....\$ | | | | 72,011 | | | | | 85,550 |
| Purchased materials.....\$ | | | | 4,300,412 | | | | | 7,026,761 |
| Total.....\$ | | | | 4,372,423 | | | | | 7,112,311 |
| Value of products— | | | | | | | | | |
| Made for use in coke plant.....\$ | | | | 664,667 | | | | | 1,000,991 |
| Made for use in metal-lurgical works.....\$ | | | | 3,619,670 | | | | | 5,790,693 |
| Made for sale.....\$ | | | | 2,717,576 | | | | | 4,229,214 |
| Total.....\$ | | | | 7,001,913 | | | | | 11,020,298 |

*Where fewer than three firms in one province were engaged in the same industry, the data for these companies are not shown by provinces but they are included in the Canada totals for each industry.

Table 2.—Principal Statistics of the Manufactures of the Non-Metallic Minerals in Canada, by Industries and by Provinces, 1925—Continued

| Industry | Prince Edward Island and Nova Scotia | New Brunswick | Quebec | Ontario | Manitoba | Saskatchewan | Alberta | British Columbia | *Canada |
|-------------------------------------|--------------------------------------|---------------|-----------|------------|-----------|--------------|-----------|------------------|------------|
| GAS— | | | | | | | | | |
| Number of plants..... | 1 | 2 | 4 | 21 | 8 | 2 | 1 | 5 | 44 |
| Capital employed.....\$ | | | 6,099,625 | 26,076,348 | 5,405,232 | | | 6,244,406 | 46,129,651 |
| Salaried employees— | | | | | | | | | |
| Male..... | | | 168 | 301 | 37 | | | 51 | 657 |
| Female..... | | | 77 | 182 | 23 | | | 7 | 292 |
| Wage-earners— | | | | | | | | | |
| Male..... | | | 879 | 1,591 | 119 | | | 245 | 2,928 |
| Female..... | | | | 2 | | | | | 7 |
| Total employees..... | | | 1,124 | 2,076 | 179 | | | 303 | 3,904 |
| Salaries and wages— | | | | | | | | | |
| Salaries.....\$ | | | 415,145 | 681,910 | 90,047 | | | 101,680 | 1,326,359 |
| Wages.....\$ | | | 1,010,120 | 2,150,717 | 165,198 | | | 301,602 | 3,731,343 |
| Total.....\$ | | | 1,425,271 | 2,832,627 | 255,245 | | | 403,282 | 5,057,702 |
| Fuel and electricity.....\$ | | | 256,229 | 697,124 | 68,409 | | | 85,125 | 1,128,846 |
| Cost of materials— | | | | | | | | | |
| Firm's own make.....\$ | | | 72,940 | 271,707 | 75,630 | | | 18,118 | 438,401 |
| Purchased materials.....\$ | | | 2,088,408 | 2,819,532 | 394,860 | | | 317,251 | 5,749,298 |
| Total.....\$ | | | 2,161,354 | 3,091,239 | 470,490 | | | 335,369 | 6,178,699 |
| Value of products— | | | | | | | | | |
| By-products made for use.....\$ | | | 102,715 | 662,625 | 86,864 | | | 91,824 | 978,440 |
| By-products made for sale.....\$ | | | 1,300,413 | 1,060,707 | 269,300 | | | 156,584 | 2,848,727 |
| Income from gas sold.....\$ | | | 5,038,743 | 7,024,535 | 757,759 | | | 931,021 | 14,047,306 |
| Total.....\$ | | | 6,441,871 | 8,747,867 | 1,113,929 | | | 1,179,429 | 17,874,479 |
| GLASS— | | | | | | | | | |
| Number of plants..... | | 1 | 10 | 32 | 3 | | 2 | 4 | 52 |
| Capital employed.....\$ | | | 5,845,085 | 5,844,224 | 105,554 | | | 15,518 | 12,694,338 |
| Salaried employees— | | | | | | | | | |
| Male..... | | | 85 | 114 | 7 | | | 4 | 218 |
| Female..... | | | 25 | 29 | 1 | | | 1 | 59 |
| Wage-earners— | | | | | | | | | |
| Male..... | | | 1,109 | 1,074 | 17 | | | 6 | 2,291 |
| Female..... | | | 141 | 61 | | | | 1 | 219 |
| Total employees..... | | | 1,360 | 1,278 | 25 | | | 11 | 2,778 |
| Salaries and wages— | | | | | | | | | |
| Salaries.....\$ | | | 178,768 | 307,333 | 11,510 | | | 3,780 | 530,774 |
| Wages.....\$ | | | 1,287,357 | 1,352,557 | 21,022 | | | 6,233 | 2,761,138 |
| Total.....\$ | | | 1,466,105 | 1,659,890 | 32,532 | | | 10,013 | 3,291,912 |
| Fuel and electricity.....\$ | | | 576,568 | 518,574 | 822 | | | 567 | 1,101,808 |
| Cost of materials.....\$ | | | 1,457,927 | 2,316,286 | 54,092 | | | 7,525 | 4,929,635 |
| Value of products.....\$ | | | 4,189,038 | 5,352,344 | 97,316 | | | 16,843 | 10,117,604 |
| PETROLEUM PRODUCTS— | | | | | | | | | |
| Number of plants..... | 1 | 1 | 4 | 7 | 1 | | 4 | 2 | 21 |
| Capital employed.....\$ | | | 9,677,552 | 16,969,751 | | | 5,431,170 | | 50,586,549 |
| Salaried employees— | | | | | | | | | |
| Male..... | | | 68 | 163 | | | 34 | | 396 |
| Female..... | | | 14 | 36 | | | 4 | | 68 |
| Wage-earners— | | | | | | | | | |
| Male..... | | | 589 | 1,609 | | | 187 | | 3,250 |
| Female..... | | | 5 | 17 | | | 2 | | 24 |
| Total employees..... | | | 678 | 1,824 | | | 227 | | 3,728 |
| Salaries and wages— | | | | | | | | | |
| Salaries.....\$ | | | 166,280 | 427,045 | | | 89,833 | | 1,014,940 |
| Wages.....\$ | | | 813,432 | 2,370,685 | | | 283,924 | | 4,760,106 |
| Total.....\$ | | | 979,712 | 2,797,730 | | | 373,757 | | 5,775,046 |
| Fuel and electricity.....\$ | | | 839,858 | 1,338,602 | | | 214,164 | | 3,447,130 |
| Cost of materials.....\$ | | | 6,710,109 | 15,808,948 | | | 3,742,372 | | 39,261,024 |
| Value of products— | | | | | | | | | |
| Made for use.....\$ | | | 808,355 | 531,711 | | | 117,788 | | 2,419,156 |
| Made for sale.....\$ | | | 7,859,483 | 19,894,143 | | | 5,340,624 | | 48,342,971 |
| Total.....\$ | | | 8,667,838 | 20,425,854 | | | 5,458,412 | | 50,762,127 |
| PRODUCTS FROM IMPORTED CLAY— | | | | | | | | | |
| Number of plants..... | | 1 | 5 | 6 | | | | | 12 |
| Capital employed.....\$ | | | 1,235,435 | 1,527,816 | | | | | 2,762,951 |
| Salaried employees— | | | | | | | | | |
| Male..... | | | 27 | 27 | | | | | 54 |
| Female..... | | | 2 | 9 | | | | | 11 |
| Wage-earners— | | | | | | | | | |
| Male..... | | | 178 | 266 | | | | | 444 |
| Female..... | | | 3 | 40 | | | | | 43 |
| Total employees..... | | | 210 | 342 | | | | | 552 |
| Salaries and wages— | | | | | | | | | |
| Salaries.....\$ | | | 65,117 | 84,771 | | | | | 149,888 |
| Wages.....\$ | | | 198,333 | 304,990 | | | | | 503,323 |
| Total.....\$ | | | 263,450 | 389,761 | | | | | 653,211 |
| Fuel and electricity.....\$ | | | 96,963 | 73,376 | | | | | 170,339 |
| Cost of materials.....\$ | | | 130,183 | 195,840 | | | | | 326,023 |
| Value of products.....\$ | | | 604,653 | 1,133,277 | | | | | 1,741,745 |

*Where fewer than three firms in one province were engaged in the same industry, the data for these companies are not shown by provinces, but they are included in the Canada totals for each industry.

Table 2.—Principal Statistics of the Manufactures of the Non-Metallic Minerals in Canada, by Industries and by Provinces, 1925—Concluded

| Industry | Prince Edward Island and Nova Scotia | New Brunswick | Quebec | Ontario | Manitoba | Saskatchewan | Alberta | British Columbia | *Canada |
|--------------------------------------|--------------------------------------|---------------|------------|------------|-----------|--------------|-----------|------------------|-------------|
| SAND-LIME BRICK— | | | | | | | | | |
| Number of plants..... | | | | 8 | 2 | | | | 10 |
| Capital employed..... \$ | | | | | | | | | 960,729 |
| Salaried employees— | | | | | | | | | |
| Male..... | | | | | | | | | 16 |
| Female..... | | | | | | | | | 1 |
| Wage-earners— | | | | | | | | | |
| Male..... | | | | | | | | | 222 |
| Female..... | | | | | | | | | |
| Total employees..... | | | | | | | | | 219 |
| Salaries and wages— | | | | | | | | | |
| Salaries..... \$ | | | | | | | | | 35,337 |
| Wages..... \$ | | | | | | | | | 221,779 |
| Total..... \$ | | | | | | | | | 257,116 |
| Cost of fuel and electricity..... \$ | | | | | | | | | 62,044 |
| Cost of materials..... \$ | | | | | | | | | 130,555 |
| Value of products..... \$ | | | | | | | | | 854,053 |
| STONE DRESSING— | | | | | | | | | |
| Number of plants..... | 12 | 9 | 41 | 118 | 13 | 7 | 5 | 0 | 214 |
| Capital employed..... \$ | 82,975 | 118,437 | 696,072 | 3,019,598 | 561,530 | 213,114 | 226,774 | 97,229 | 5,015,729 |
| Salaried employees— | | | | | | | | | |
| Male..... | 5 | 5 | 24 | 110 | 23 | 9 | 6 | 7 | 189 |
| Female..... | | 1 | 2 | 13 | 4 | 2 | 3 | | 25 |
| Wage-earners— | | | | | | | | | |
| Male..... | 27 | 50 | 207 | 573 | 106 | 23 | 21 | 39 | 1,046 |
| Female..... | | | | 2 | | | | | 2 |
| Total employees..... | 32 | 56 | 233 | 698 | 133 | 34 | 30 | 46 | 1,262 |
| Salaries and wages— | | | | | | | | | |
| Salaries..... \$ | 4,100 | 9,060 | 60,128 | 243,361 | 57,345 | 17,980 | 14,225 | 16,040 | 422,239 |
| Wages..... \$ | 24,132 | 46,507 | 225,451 | 853,694 | 122,577 | 26,377 | 40,170 | 50,365 | 1,358,722 |
| Total..... \$ | 28,232 | 55,567 | 285,579 | 1,097,055 | 179,922 | 44,357 | 54,395 | 66,405 | 1,811,512 |
| Cost of fuel and electricity..... \$ | 2,093 | 2,296 | 18,739 | 52,805 | 12,892 | 2,580 | 1,818 | 3,700 | 96,929 |
| Cost of materials..... \$ | 44,376 | 20,992 | 216,506 | 1,407,078 | 168,392 | 28,925 | 36,888 | 33,660 | 1,964,817 |
| Value of products..... \$ | 126,632 | 122,503 | 687,440 | 3,485,505 | 523,258 | 108,999 | 152,768 | 148,892 | 5,355,997 |
| MISCELLANEOUS— | | | | | | | | | |
| Number of plants..... | | | 13 | 22 | | | | | 35 |
| Capital employed..... \$ | | | 2,417,263 | 5,904,833 | | | | | 8,322,096 |
| Salaried employees— | | | | | | | | | |
| Male..... | | | 25 | 97 | | | | | 122 |
| Female..... | | | 10 | 25 | | | | | 35 |
| Wage-earners— | | | | | | | | | |
| Male..... | | | 149 | 616 | | | | | 765 |
| Female..... | | | 369 | 25 | | | | | 394 |
| Total employees..... | | | 553 | 763 | | | | | 1,316 |
| Salaries and wages— | | | | | | | | | |
| Salaries..... \$ | | | 53,608 | 243,059 | | | | | 297,567 |
| Wages..... \$ | | | 280,939 | 793,389 | | | | | 1,074,328 |
| Total..... \$ | | | 334,547 | 1,037,348 | | | | | 1,371,895 |
| Cost of fuel and electricity..... \$ | | | 143,391 | 448,030 | | | | | 592,227 |
| Cost of materials..... \$ | | | 519,692 | 2,167,164 | | | | | 2,686,856 |
| Value of products..... \$ | | | 1,237,149 | 6,741,034 | | | | | 7,978,183 |
| All Industries: | | | | | | | | | |
| Number of plants..... | 39 | 35 | 202 | 502 | 37 | 28 | 28 | 44 | 916 |
| Capital employed..... \$ | 21,371,154 | 804,321 | 32,383,178 | 77,416,321 | 7,634,485 | 5,097,434 | 7,264,120 | 14,260,911 | 166,263,824 |
| Salaried employees— | | | | | | | | | |
| Male..... | 87 | 25 | 587 | 1,003 | 91 | 53 | 71 | 137 | 2,054 |
| Female..... | 8 | 1 | 157 | 331 | 31 | 6 | 13 | 12 | 568 |
| Wage-earners— | | | | | | | | | |
| Male..... | 681 | 168 | 3,873 | 7,124 | 355 | 315 | 341 | 758 | 13,615 |
| Female..... | 8 | 6 | 363 | 198 | 3 | 4 | 16 | 4 | 794 |
| Total employees..... | 784 | 209 | 5,182 | 8,446 | 480 | 378 | 441 | 911 | 17,631 |
| Salaries and wages— | | | | | | | | | |
| Salaries..... \$ | 182,358 | 38,832 | 1,294,508 | 2,341,061 | 202,309 | 122,612 | 173,686 | 296,924 | 4,692,290 |
| Wages..... \$ | 829,757 | 154,975 | 4,543,559 | 9,359,024 | 422,177 | 416,963 | 471,545 | 1,042,793 | 17,241,093 |
| Total..... \$ | 1,012,115 | 193,807 | 5,838,067 | 11,740,085 | 624,486 | 539,575 | 615,231 | 1,339,717 | 21,933,383 |
| Cost of fuel and electricity..... \$ | 741,311 | 15,931 | 2,044,572 | 3,921,636 | 112,241 | 376,562 | 229,189 | 447,098 | 7,888,533 |
| Cost of materials..... \$ | | | | | | | | | |
| Firm's own make..... | | | 72,946 | 343,718 | 75,630 | | | 31,652 | 523,951 |
| Purchased materials..... \$ | 5,500,831 | 234,383 | 12,998,145 | 30,896,428 | 1,236,715 | 3,857,650 | 4,109,879 | 5,921,170 | 64,755,201 |
| Total..... \$ | 5,500,831 | 234,383 | 13,071,091 | 31,240,146 | 1,312,345 | 3,857,650 | 4,109,879 | 5,952,822 | 65,279,152 |
| Value of products..... \$ | | | | | | | | | |
| Made for own use..... | 2,169,381 | 18,500 | 911,070 | 4,478,673 | 103,244 | 317,522 | 117,788 | 1,072,508 | 10,188,666 |
| Made for sale..... \$ | 6,360,638 | 808,290 | 21,830,233 | 52,538,887 | 2,476,544 | 5,736,269 | 6,298,351 | 6,688,410 | 105,757,692 |
| Total..... \$ | 8,530,019 | 826,790 | 22,741,303 | 57,017,560 | 2,579,788 | 6,053,791 | 6,416,139 | 7,760,918 | 115,946,358 |

*Where fewer than three firms in one province were engaged in the same industry, the data for these companies are not shown by province, but they are included in the Canada totals for each industry.

†Data for cement, domestic clay products, lime, and salt industries were not included in 1925.

Table 3.—Principal Statistics of the Manufactures of the Non-Metallic Minerals in Canada, by Industries and by Provinces, 1926

| Industry | Nova Scotia | New Brunswick | Quebec | Ontario | Manitoba | Saskatchewan | Alberta | British Columbia | Canada |
|--------------------------------------|-------------|---------------|------------|------------|----------|--------------|---------|------------------|------------|
| AERATED WATERS | | | | | | | | | |
| Number of plants..... | 22 | 20 | 97 | 145 | 12 | 15 | 14 | 21 | 347 |
| Capital employed...\$ | 165,180 | 314,270 | 3,572,619 | 4,250,359 | 791,536 | 477,916 | 576,876 | 543,621 | 10,695,527 |
| Salaried employees— | | | | | | | | | |
| Male..... | 11 | 16 | 129 | 132 | 28 | 23 | 22 | 19 | 381 |
| Female..... | 2 | 3 | 20 | 29 | 5 | 2 | 5 | 2 | 68 |
| Wage-earners— | | | | | | | | | |
| Male..... | 46 | 45 | 477 | 392 | 60 | 50 | 42 | 56 | 1,169 |
| Female..... | 4 | 2 | 26 | 23 | ..... | 5 | 10 | 3 | 73 |
| Total employees.. | 63 | 66 | 652 | 576 | 93 | 80 | 79 | 80 | 1,691 |
| Salaries and wages— | | | | | | | | | |
| Salaries.....\$ | 9,747 | 24,428 | 265,917 | 259,315 | 52,645 | 40,997 | 49,024 | 27,769 | 731,092 |
| Wages.....\$ | 34,585 | 39,806 | 476,659 | 371,100 | 62,187 | 53,770 | 46,943 | 62,707 | 1,148,229 |
| Total.....\$ | 44,332 | 64,234 | 742,576 | 630,415 | 114,832 | 94,767 | 95,967 | 90,476 | 1,879,321 |
| Cost of fuel and electricity...\$ | 4,350 | 4,968 | 60,409 | 55,926 | 7,396 | 5,927 | 7,058 | 10,458 | 156,510 |
| Cost of materials...\$ | 58,724 | 117,482 | 1,081,166 | 1,129,580 | 236,740 | 148,276 | 138,201 | 141,755 | 3,053,477 |
| Value of products...\$ | 170,877 | 294,222 | 2,777,310 | 2,711,866 | 423,718 | 318,956 | 369,887 | 333,113 | 7,406,504 |
| ASBESTOS AND ALLIED PRODUCTS— | | | | | | | | | |
| Number of plants..... | 1 | | 4 | 5 | 1 | | | 3 | 14 |
| Capital employed...\$ | | | 2,256,092 | 464,608 | | | | | 2,723,433 |
| Salaried employees— | | | | | | | | | |
| Male..... | | | 28 | 14 | | | | | 46 |
| Female..... | | | 5 | 6 | | | | | 11 |
| Wage-earners— | | | | | | | | | |
| Male..... | | | 160 | 21 | | | | | 189 |
| Female..... | | | 21 | 2 | | | | | 24 |
| Total employees.. | | | 214 | 43 | | | | | 279 |
| Salaries and wages— | | | | | | | | | |
| Salaries.....\$ | | | 70,842 | 40,828 | | | | | 117,699 |
| Wages.....\$ | | | 167,933 | 30,085 | | | | | 204,265 |
| Total.....\$ | | | 238,775 | 70,913 | | | | | 321,865 |
| Cost of fuel and electricity...\$ | | | 56,733 | 7,079 | | | | | 64,288 |
| Cost of materials...\$ | | | 558,534 | 174,554 | | | | | 759,397 |
| Value of products...\$ | | | 1,149,464 | 343,822 | | | | | 1,539,094 |
| CEMENT— | | | | | | | | | |
| Number of plants..... | | | 4 | 3 | 2 | | 2 | 1 | 12 |
| Capital employed...\$ | | | 15,442,542 | 12,985,268 | | | | | 41,389,090 |
| Salaried employees— | | | | | | | | | |
| Male..... | | | 46 | 38 | | | | | 114 |
| Female..... | | | 6 | 2 | | | | | 10 |
| Wage-earners— | | | | | | | | | |
| Male..... | | | 1,042 | 764 | | | | | 2,216 |
| Female..... | | | | | | | | | |
| Total employees.. | | | 1,094 | 804 | | | | | 2,340 |
| Salaries and wages— | | | | | | | | | |
| Salaries.....\$ | | | 117,987 | 80,940 | | | | | 272,770 |
| Wages.....\$ | | | 1,227,235 | 997,088 | | | | | 2,729,892 |
| Total.....\$ | | | 1,345,222 | 1,078,028 | | | | | 3,052,662 |
| Cost of fuel and electricity...\$ | | | 1,557,213 | 1,198,259 | | | | | 3,424,156 |
| Value of products...\$ | | | 4,535,389 | 4,792,857 | | | | | 12,013,283 |
| CEMENT PRODUCTS— | | | | | | | | | |
| Number of plants..... | 4 | 3 | 36 | 133 | | 3 | 1 | 6 | 185 |
| Capital employed...\$ | 23,068 | | 515,505 | 2,168,758 | | 67,720 | | 76,841 | 2,857,752 |
| Salaried employees— | | | | | | | | | |
| Male..... | | | 69 | 63 | | 1 | | 3 | 138 |
| Female..... | | | 4 | 7 | | 1 | | | 12 |
| Wage-earners— | | | | | | | | | |
| Male..... | 6 | | 218 | 471 | | 21 | | 43 | 766 |
| Female..... | | | 2 | 3 | | 1 | | | 6 |
| Total employees.. | 6 | | 293 | 544 | | 24 | | 46 | 922 |
| Salaries and wages— | | | | | | | | | |
| Salaries.....\$ | | | 93,668 | 108,144 | | 1,250 | | 1,525 | 206,087 |
| Wages.....\$ | 1,591 | | 50,416 | 439,487 | | 34,911 | | 44,147 | 572,575 |
| Total.....\$ | 1,591 | | 144,084 | 547,631 | | 36,161 | | 45,672 | 778,662 |
| Cost of fuel and electricity...\$ | 110 | | 34,781 | 33,391 | | 777 | | 1,661 | 70,815 |
| Cost of materials...\$ | 2,556 | | 206,737 | 567,767 | | 64,369 | | 35,264 | 880,041 |
| Value of products...\$ | 7,920 | | 650,264 | 1,583,437 | | 134,720 | | 160,069 | 2,544,242 |

*Where fewer than three firms in one province were engaged in the same industry, the data for these companies are not shown by provinces but they are included in the Canada totals for each industry. Canada total also included data for 1 plant in the aerated waters industry and 2 in the monumental and ornamental stone industry in Prince Edward Island.

Table 3.—Principal Statistics of the Manufactures of the Non-Metallic Minerals in Canada, by Industries, and by Provinces, 1926—Continued

| Industry | Nova Scotia | New Brunswick | Quebec | Ontario | Manitoba | Saskatchewan | Alberta | British Columbia | *Canada |
|--------------------------------------------|-------------|---------------|-----------|------------|-----------|--------------|---------|------------------|------------|
| COKE— | | | | | | | | | |
| Number of plants..... | 1 | | | 3 | | | | 2 | 6 |
| Capital employed...\$ | | | | 11,449,775 | | | | | 24,769,899 |
| Salaried employees— | | | | | | | | | |
| Male..... | | | | 21 | | | | | 34 |
| Female..... | | | | 1 | | | | | 1 |
| Wage-earners— | | | | | | | | | |
| Male..... | | | | 285 | | | | | 580 |
| Female..... | | | | | | | | | |
| Total employees..... | | | | 307 | | | | | 615 |
| Salaries and wages— | | | | | | | | | |
| Salaries.....\$ | | | | 67,454 | | | | | 99,590 |
| Wages.....\$ | | | | 502,738 | | | | | 914,162 |
| Total.....\$ | | | | 570,190 | | | | | 1,013,752 |
| Cost of fuel and electricity.....\$ | | | | 833,955 | | | | | 1,063,122 |
| Cost of materials.....\$ | | | | 6,389,751 | | | | | 9,744,081 |
| Value of products— | | | | | | | | | |
| Made for use in coke plant.....\$ | | | | 909,658 | | | | | 1,235,472 |
| Made for use in metallurgical works.....\$ | | | | 4,753,928 | | | | | 7,099,754 |
| Made for sale.....\$ | | | | 4,473,103 | | | | | 6,927,248 |
| Total.....\$ | | | | 10,136,689 | | | | | 15,261,474 |
| GAS— | | | | | | | | | |
| Number of plants..... | 1 | 2 | 4 | 21 | 8 | | 2 | 1 | 44 |
| Capital employed...\$ | | | 7,020,613 | 28,772,890 | 5,433,683 | | | 6,668,905 | 55,573,267 |
| Salaried employees— | | | | | | | | | |
| Male..... | | | 288 | 335 | 34 | | | 60 | 743 |
| Female..... | | | 75 | 179 | 24 | | | 7 | 293 |
| Wage-earners— | | | | | | | | | |
| Male..... | | | 655 | 1,502 | 113 | | | 288 | 2,633 |
| Female..... | | | | 2 | | | | | 9 |
| Total employees..... | | | 1,018 | 2,018 | 171 | | | 355 | 3,678 |
| Salaries and wages— | | | | | | | | | |
| Salaries.....\$ | | | 446,700 | 702,269 | 86,845 | | | 115,914 | 1,390,861 |
| Wages.....\$ | | | 824,378 | 2,068,708 | 157,988 | | | 343,693 | 3,492,660 |
| Total.....\$ | | | 1,271,078 | 2,770,977 | 244,833 | | | 459,607 | 4,883,521 |
| Cost of fuel and electricity.....\$ | | | 33,398 | 426,328 | 36,043 | | | 55,204 | 589,476 |
| Cost of materials.....\$ | | | 1,987,240 | 3,248,312 | 504,819 | | | 381,137 | 6,226,100 |
| Value of products— | | | | | | | | | |
| By-products made for use.....\$ | | | 183,297 | 766,949 | 95,849 | | | 136,665 | 1,205,728 |
| By-products made for sale.....\$ | | | 982,144 | 1,131,169 | 310,930 | | | 143,068 | 2,641,490 |
| Income from gas sold.....\$ | | | 5,180,004 | 7,159,617 | 792,776 | | | 987,897 | 14,417,652 |
| Total.....\$ | | | 6,345,445 | 9,057,735 | 1,199,555 | | | 1,267,630 | 18,264,860 |
| GLASS— | | | | | | | | | |
| Number of plants..... | | 1 | 9 | 32 | 3 | | | 2 | 52 |
| Capital employed...\$ | | | 5,117,751 | 5,375,819 | 116,564 | | | 81,022 | 11,432,823 |
| Salaried employees— | | | | | | | | | |
| Male..... | | | 87 | 120 | 6 | | | 4 | 225 |
| Female..... | | | 26 | 31 | 2 | | | 2 | 64 |
| Wage-earners— | | | | | | | | | |
| Male..... | | | 912 | 1,398 | 19 | | | 18 | 2,455 |
| Female..... | | | 149 | 120 | | | | 2 | 289 |
| Total employees..... | | | 1,174 | 1,669 | 27 | | | 26 | 3,633 |
| Salaries and wages— | | | | | | | | | |
| Salaries.....\$ | | | 169,657 | 321,650 | 11,425 | | | 5,108 | 535,770 |
| Wages.....\$ | | | 1,093,862 | 1,642,583 | 22,824 | | | 17,847 | 2,937,874 |
| Total.....\$ | | | 1,263,519 | 1,964,233 | 34,249 | | | 22,955 | 3,443,644 |
| Cost of fuel and electricity.....\$ | | | 575,737 | 557,948 | 928 | | | 817 | 1,143,190 |
| Cost of materials.....\$ | | | 1,652,861 | 2,828,175 | 82,164 | | | 31,168 | 4,884,559 |
| Value of products.....\$ | | | 4,326,650 | 6,344,834 | 155,071 | | | 56,469 | 11,670,269 |
| LIME— | | | | | | | | | |
| Number of plants..... | 2 | 6 | 15 | 28 | 4 | | | 2 | 69 |
| Capital employed...\$ | | 276,925 | 1,615,905 | 2,012,922 | 564,032 | | | 1,173,439 | 5,825,809 |
| Salaried employees— | | | | | | | | | |
| Male..... | | 13 | 15 | 30 | 7 | | | 9 | 77 |
| Female..... | | | 1 | 7 | | | | | 12 |
| Wage-earners— | | | | | | | | | |
| Male..... | | 79 | 260 | 408 | 84 | | | 132 | 1,017 |
| Female..... | | | | | | | | | |
| Total employees..... | | 92 | 276 | 445 | 91 | | | 144 | 1,106 |

*Where fewer than three firms in one province were engaged in the same industry the data for these companies are not shown by provinces but they are included in the Canada totals for each industry. Canada totals also include data for 1 plant in the aerated water industry, and 2 in the monumental and ornamental stone in Prince Edward Island.

Table 3.—Principal Statistics of the Manufactures of the Non-Metallic Minerals in Canada, by Industries and by Provinces, 1926—Continued

| Industry | Nova Scotia | New Brunswick | Quebec | Ontario | Manitoba | Saskatchewan | Alberta | British Columbia | Canada |
|-------------------------------------|-------------|---------------|------------|------------|----------|--------------|-----------|------------------|------------|
| LIME—Concluded | | | | | | | | | |
| Salaries and wages— | | | | | | | | | |
| Salaries.....\$ | | 19,706 | 32,920 | 72,727 | 11,200 | | | 16,497 | 157,950 |
| Wages.....\$ | | 47,576 | 231,358 | 412,988 | 62,570 | | | 123,588 | 924,964 |
| Total.....\$ | | 67,282 | 264,278 | 485,715 | 73,776 | | | 140,085 | 1,082,854 |
| Cost of fuel and electricity.....\$ | | 51,903 | 242,681 | 396,503 | 47,450 | | | 23,683 | 788,990 |
| Value of products.....\$ | | 196,477 | 760,116 | 2,051,446 | 251,269 | | | 416,882 | 3,781,484 |
| PETROLEUM PRODUCTS | | | | | | | | | |
| Number of plants..... | | | 5 | 7 | 1 | 1 | 5 | 3 | 23 |
| Capital employed.....\$ | | | 10,996,613 | 20,963,025 | | | 5,993,102 | 5,614,909 | 57,178,125 |
| Salaried employees— | | | | | | | | | |
| Male..... | | | 67 | 193 | | | 47 | 74 | 448 |
| Female..... | | | 15 | 38 | | | 4 | 3 | 70 |
| Wage-earners— | | | | | | | | | |
| Male..... | | | 526 | 1,645 | | | 270 | 290 | 3,299 |
| Female..... | | | 4 | 19 | | | 3 | | 26 |
| Total employees..... | | | 612 | 1,895 | | | 324 | 367 | 3,753 |
| Salaries and wages— | | | | | | | | | |
| Salaries.....\$ | | | 156,424 | 502,295 | | | 113,687 | 141,225 | 1,106,757 |
| Wages.....\$ | | | 745,021 | 2,452,163 | | | 418,232 | 472,414 | 4,785,642 |
| Total.....\$ | | | 901,445 | 2,954,458 | | | 531,919 | 613,639 | 5,892,399 |
| Cost of fuel and electricity.....\$ | | | 738,408 | 1,611,819 | | | 203,375 | 218,449 | 3,584,795 |
| Cost of materials.....\$ | | | 10,838,717 | 20,253,513 | | | 4,738,289 | 4,700,742 | 51,172,159 |
| Value of products— | | | | | | | | | |
| Made for use.....\$ | | | 556,774 | 831,046 | | | 70,165 | 205,184 | 2,396,084 |
| Made for sale.....\$ | | | 13,379,622 | 27,010,053 | | | 8,304,506 | 4,776,390 | 68,800,227 |
| Total.....\$ | | | 13,936,396 | 27,841,099 | | | 8,374,671 | 4,981,574 | 71,196,311 |
| PRODUCTS FROM DOMESTIC CLAY | | | | | | | | | |
| Number of plants..... | 10 | 3 | 20 | 133 | 6 | 7 | 9 | 13 | 281 |
| Capital employed.....\$ | 1,059,418 | 120,645 | 9,834,750 | 13,149,974 | 233,592 | 739,650 | 1,983,371 | 1,030,656 | 28,152,062 |
| Salaried employees— | | | | | | | | | |
| Male..... | 9 | 7 | 62 | 134 | 12 | 15 | 27 | 21 | 287 |
| Female..... | 1 | 1 | 6 | 27 | 1 | | 4 | 2 | 42 |
| Wage-earners— | | | | | | | | | |
| Male..... | 193 | 57 | 879 | 2,009 | 148 | 146 | 305 | 307 | 4,044 |
| Female..... | | | 1 | 1 | 10 | | 10 | | 22 |
| Total employees..... | 203 | 65 | 948 | 2,171 | 171 | 161 | 346 | 330 | 4,395 |
| Salaries and wages— | | | | | | | | | |
| Salaries.....\$ | 28,100 | 9,811 | 132,301 | 348,174 | 24,150 | 23,113 | 64,866 | 43,142 | 673,657 |
| Wages.....\$ | 113,935 | 29,237 | 842,452 | 1,967,764 | 90,920 | 65,332 | 296,958 | 266,432 | 3,673,650 |
| Total.....\$ | 142,035 | 39,048 | 974,753 | 2,315,938 | 115,070 | 88,445 | 361,824 | 309,574 | 4,346,687 |
| Cost of fuel and electricity.....\$ | 74,812 | 11,895 | 549,623 | 1,221,458 | 41,569 | 40,884 | 32,345 | 107,468 | 2,090,651 |
| Value of products.....\$ | 362,667 | 75,851 | 2,702,298 | 5,356,469 | 248,497 | 214,113 | 804,933 | 592,495 | 10,357,323 |
| PRODUCTS FROM IMPORTED CLAY | | | | | | | | | |
| Number of plants..... | | | 5 | 7 | | | | | 12 |
| Capital employed.....\$ | | | 1,167,981 | 1,681,577 | | | | | 2,849,558 |
| Salaried employees— | | | | | | | | | |
| Male..... | | | 26 | 32 | | | | | 58 |
| Female..... | | | 4 | 11 | | | | | 15 |
| Wage-earners— | | | | | | | | | |
| Male..... | | | 200 | 274 | | | | | 474 |
| Female..... | | | 5 | 45 | | | | | 50 |
| Total employees..... | | | 235 | 362 | | | | | 587 |
| Salaries and wages— | | | | | | | | | |
| Salaries.....\$ | | | 69,401 | 136,725 | | | | | 206,126 |
| Wages.....\$ | | | 252,091 | 325,231 | | | | | 577,322 |
| Total.....\$ | | | 321,492 | 461,956 | | | | | 783,448 |
| Cost of fuel and electricity.....\$ | | | 111,501 | 83,342 | | | | | 194,903 |
| Cost of materials.....\$ | | | 196,717 | 323,501 | | | | | 520,218 |
| Value of products.....\$ | | | 816,649 | 1,222,865 | | | | | 2,039,514 |
| SALT | | | | | | | | | |
| Number of plants..... | 1 | | | 10 | | | 1 | | 12 |
| Capital employed.....\$ | | | | 2,375,937 | | | | | 2,782,728 |
| Salaried employees— | | | | | | | | | |
| Male..... | | | | 36 | | | | | 41 |
| Female..... | | | | 10 | | | | | 10 |
| Wage-earners— | | | | | | | | | |
| Male..... | | | | 256 | | | | | 300 |
| Female..... | | | | 32 | | | | | 33 |
| Total employees..... | | | | 334 | | | | | 384 |
| Salaries and wages— | | | | | | | | | |
| Salaries.....\$ | | | | 111,606 | | | | | 121,014 |
| Wages.....\$ | | | | 308,948 | | | | | 361,637 |
| Total.....\$ | | | | 420,554 | | | | | 482,651 |
| Cost of fuel and electricity.....\$ | | | | 304,547 | | | | | 324,612 |
| Value of products.....\$ | | | | 1,388,672 | | | | | 1,486,149 |

*Where fewer than three firms in one province were engaged in the same industry, the data for these companies are not shown by provinces but they are included in the Canada totals for each province. Canada totals also include data for 1 plant in the aerated waters industry and for 2 plants in the monumental and ornamental stone industry in Prince Edward Island.

Table 3.—Principal Statistics of the Manufactures of the Non-Metallic Minerals in Canada, by Industries, and by Provinces, 1926—Concluded

| Industry | Nova Scotia | New Brunswick | Quebec | Ontario | Manitoba | Saskatchewan | Alberta | British Columbia | Canada |
|------------------------------|-------------|---------------|------------|-------------|------------|--------------|------------|------------------|-------------|
| SA D-LIME BRICK— | | | | | | | | | |
| Number of plants | | | | 8 | 2 | | | | 10 |
| Capital employed | | | | 732,259 | | | | | 1,082,577 |
| Salaried employees— | | | | | | | | | |
| Male | | | | 16 | | | | | 19 |
| Female | | | | 2 | | | | | 2 |
| Wage-earners— | | | | | | | | | |
| Male | | | | 178 | | | | | 197 |
| Female | | | | | | | | | |
| Total employees | | | | 196 | | | | | 215 |
| Salaries and wages— | | | | | | | | | |
| Salaries | | | | 33,830 | | | | | 42,330 |
| Wages | | | | 171,747 | | | | | 181,269 |
| Total | | | | 205,577 | | | | | 223,599 |
| Cost of fuel and electricity | | | | 46,930 | | | | | 50,119 |
| Cost of materials | | | | 176,243 | | | | | 197,400 |
| Value of products | | | | 579,110 | | | | | 629,672 |
| STONE DRESSING— | | | | | | | | | |
| Number of plants | 12 | 10 | 50 | 122 | 13 | 8 | 5 | 10 | 232 |
| Capital employed | 90,965 | 124,729 | 763,561 | 3,211,062 | 617,305 | 254,395 | 247,740 | 108,417 | 5,443,767 |
| Salaried employees— | | | | | | | | | |
| Male | 5 | 7 | 31 | 127 | 24 | 15 | 7 | 8 | 224 |
| Female | | 1 | 3 | 13 | 4 | 3 | 5 | | 29 |
| Wage-earners— | | | | | | | | | |
| Male | 30 | 44 | 238 | 608 | 195 | 36 | 34 | 39 | 1,234 |
| Female | | | | 3 | | | 1 | | 4 |
| Total employees | 35 | 52 | 272 | 751 | 223 | 54 | 47 | 47 | 1,491 |
| Salaries and wages— | | | | | | | | | |
| Salaries | 3,100 | 10,420 | 62,090 | 267,696 | 51,558 | 23,219 | 15,410 | 18,613 | 452,106 |
| Wages | 23,189 | 45,626 | 289,414 | 895,835 | 294,635 | 51,338 | 46,048 | 63,269 | 1,723,117 |
| Total | 29,289 | 56,046 | 351,504 | 1,163,531 | 346,193 | 74,557 | 61,458 | 81,882 | 2,175,223 |
| Cost of fuel and electricity | 2,381 | 2,203 | 18,595 | 56,250 | 15,490 | 3,758 | 2,062 | 4,073 | 106,492 |
| Cost of materials | 33,777 | 27,538 | 241,300 | 1,148,410 | 227,449 | 56,055 | 63,368 | 42,703 | 1,459,464 |
| Value of products | 109,075 | 123,112 | 800,935 | 3,312,038 | 830,318 | 218,474 | 182,491 | 171,551 | 5,799,690 |
| MISCELLANEOUS— | | | | | | | | | |
| Number of plants | | | 12 | 19 | | | | | 31 |
| Capital employed | | | 2,429,611 | 6,497,246 | | | | | 8,926,857 |
| Salaried employees— | | | | | | | | | |
| Males | | | 23 | 101 | | | | | 124 |
| Female | | | 9 | 31 | | | | | 40 |
| Wage-earners— | | | | | | | | | |
| Male | | | 149 | 770 | | | | | 919 |
| Female | | | 451 | 18 | | | | | 469 |
| Total employees | | | 632 | 920 | | | | | 1,552 |
| Salaries and wages— | | | | | | | | | |
| Salaries | | | 56,438 | 253,763 | | | | | 310,201 |
| Wages | | | 281,467 | 1,034,993 | | | | | 1,316,460 |
| Total | | | 337,905 | 1,288,756 | | | | | 1,626,661 |
| Cost of fuel and electricity | | | 156,090 | 574,514 | | | | | 730,604 |
| Cost of materials | | | 515,188 | 2,489,225 | | | | | 3,004,413 |
| Value of products | | | 1,139,683 | 7,472,975 | | | | | 8,612,658 |
| All Industries— | | | | | | | | | |
| Number of plants | 55 | 45 | 260 | 670 | 52 | 36 | 42 | 72 | 1,241 |
| Capital employed | 21,532,017 | 7,111,242 | 60,733,609 | 116,091,479 | 12,718,154 | 6,452,035 | 12,426,666 | 24,610,189 | 261,724,184 |
| Salaried employees— | | | | | | | | | |
| Male | 84 | 58 | 871 | 1,392 | 126 | 82 | 131 | 214 | 2,959 |
| Female | 18 | 6 | 174 | 394 | 36 | 9 | 21 | 21 | 679 |
| Wage-earners— | | | | | | | | | |
| Male | 842 | 251 | 5,716 | 10,981 | 756 | 467 | 937 | 1,443 | 21,404 |
| Female | 5 | 9 | 659 | 268 | 9 | 6 | 42 | 5 | 1,003 |
| Total employees | 949 | 324 | 7,420 | 13,035 | 927 | 564 | 1,131 | 1,083 | 26,045 |
| Salaries and wages— | | | | | | | | | |
| Salaries | 204,491 | 71,987 | 1,674,345 | 3,307,416 | 268,244 | 168,189 | 296,599 | 429,390 | 6,423,911 |
| Wages | 950,437 | 201,266 | 6,482,286 | 13,621,516 | 873,423 | 516,648 | 1,177,054 | 1,729,233 | 25,563,038 |
| Total | 1,154,928 | 273,253 | 8,156,631 | 16,928,932 | 1,141,667 | 684,837 | 1,473,653 | 2,158,623 | 31,986,949 |
| Cost of fuel and electricity | 880,928 | 78,963 | 4,135,229 | 7,408,249 | 428,493 | 469,855 | 533,511 | 636,990 | 14,372,116 |
| Cost of materials | 7,352,626 | 190,288 | 17,278,460 | 38,729,031 | 1,385,828 | 5,784,310 | 5,226,940 | 6,330,519 | 82,293,319 |
| Value of products | 12,956,291 | 830,490 | 39,946,596 | 84,195,914 | 5,088,556 | 8,434,804 | 11,459,059 | 10,623,659 | 173,587,527 |

*Where fewer than three firms in one province were engaged in the same industry, the data for these companies are not shown by provinces but they are included in the Canada totals for each industry. Canada totals also include data for 1 plant in the aerated waters industry and 2 in the monumental and ornamental stone industry in Prince Edward Island.

Table 4.—Capital Employed in the Manufactures of the Non-Metallic Minerals in Canada, by Provinces, 1925* and 1926

| Province | 1925 | | | | 1926 | | | |
|---------------------------|---------------------------------------|-----------------------------------------|-----------------------------------------------------------|--------------------|---------------------------------------|-----------------------------------------|-----------------------------------------------------------|--------------------|
| | Capital employed as represented by | | | | Capital employed as represented by | | | |
| | Lands, buildings, machinery and tools | Materials on hand and stocks in process | Cash, trading and operating accounts and bills receivable | Total | Lands, buildings, machinery and tools | Materials on hand and stocks in process | Cash, trading and operating accounts and bills receivable | Total |
| \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | |
| Prince Edward Island..... | 25,375 | 71,439 | 500 | 97,314 | 8,400 | 18,393 | 1,950 | 28,743 |
| Nova Scotia..... | 17,645,418 | 3,575,200 | 53,222 | 21,273,840 | 18,348,692 | 3,039,526 | 163,799 | 21,552,017 |
| New Brunswick.... | 375,818 | 151,393 | 277,010 | 804,221 | 6,541,022 | 210,250 | 359,961 | 7,111,242 |
| Quebec..... | 20,771,343 | 7,758,416 | 3,855,419 | 32,385,178 | 43,640,192 | 10,299,476 | 6,793,941 | 60,733,609 |
| Ontario..... | 53,861,219 | 14,109,077 | 9,476,025 | 77,446,321 | 81,580,603 | 19,015,945 | 15,494,931 | 116,091,479 |
| Manitoba..... | 6,800,113 | 486,106 | 348,266 | 7,634,485 | 11,114,718 | 687,097 | 916,369 | 12,718,184 |
| Saskatchewan.... | 3,501,116 | 1,440,535 | 155,783 | 5,097,434 | 4,078,503 | 2,159,799 | 213,753 | 6,452,055 |
| Alberta..... | 4,750,045 | 2,150,113 | 363,962 | 7,264,120 | 8,707,026 | 2,831,262 | 888,378 | 12,426,666 |
| British Columbia.. | 11,203,676 | 2,282,065 | 775,170 | 14,260,911 | 20,050,358 | 3,067,272 | 1,492,559 | 24,610,189 |
| Canada..... | 118,934,123 | 32,024,344 | 15,305,357 | 166,263,824 | 194,069,514 | 41,329,029 | 26,325,641 | 261,724,184 |

*Data for cement, domestic-clay products, lime, and salt industries were not included in 1925

Table 5.—Capital Employed in the Manufactures of Non-Metallic Minerals in Canada by Industries, 1925 and 1926

| Industry | 1925 | | | | 1926 | | | |
|----------------------------------|---------------------------------------|-----------------------------------------|-----------------------------------------------------------|--------------------|---------------------------------------|-----------------------------------------|-----------------------------------------------------------|--------------------|
| | Capital employed as represented by | | | | Capital employed as represented by | | | |
| | Lands, buildings, machinery and tools | Materials on hand and stocks in process | Cash, trading and operating accounts and bills receivable | Total | Lands, buildings, machinery and tools | Materials on hand and stocks in process | Cash, trading and operating accounts and bills receivable | Total |
| \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | |
| Aerated waters.... | 6,528,558 | 1,767,372 | 2,377,401 | 10,673,331 | 6,926,413 | 1,275,883 | 2,493,231 | 10,695,527 |
| Asbestos and allied products.... | 1,888,084 | 491,457 | 244,719 | 2,624,260 | 1,893,133 | 518,009 | 362,291 | 2,773,433 |
| Cement..... | | Not included in 1925 | | | 35,368,100 | 3,235,136 | 2,776,764 | 41,380,000 |
| Cement products.. | 1,465,650 | 478,620 | 650,466 | 2,594,736 | 1,577,850 | 540,185 | 739,717 | 2,857,752 |
| Coke..... | 22,415,261 | 1,273,899 | 216,294 | 23,905,454 | 22,442,081 | 1,875,413 | 452,405 | 24,769,899 |
| Gas..... | 38,924,759 | 2,258,957 | 4,945,935 | 46,129,651 | 46,304,730 | 2,252,148 | 7,016,389 | 55,573,267 |
| Glass..... | 7,773,399 | 3,033,256 | 1,887,683 | 12,694,338 | 6,457,544 | 3,060,519 | 1,914,760 | 11,432,823 |
| Lime..... | | Not included in 1925 | | | 4,713,056 | 484,470 | 628,283 | 5,825,809 |
| Petroleum products | 30,842,834 | 19,005,802 | 731,913 | 50,580,549 | 34,344,928 | 21,265,958 | 1,567,239 | 57,178,125 |
| Products for domestic clays.... | | Not included in 1925 | | | 22,516,231 | 2,895,632 | 2,740,199 | 28,152,062 |
| Products from imported clays.... | 1,516,143 | 699,105 | 547,703 | 2,762,951 | 1,091,969 | 611,697 | 545,892 | 2,849,558 |
| Salt..... | | Not included in 1925 | | | 1,899,373 | 270,076 | 613,279 | 2,782,728 |
| Sand-lime brick.... | 738,692 | 42,030 | 180,007 | 960,729 | 937,115 | 42,796 | 102,666 | 1,082,577 |
| Stone dressing.... | 2,346,427 | 1,304,726 | 1,364,576 | 5,015,729 | 2,480,635 | 1,373,493 | 1,589,639 | 5,443,767 |
| Miscellaneous..... | 4,494,316 | 1,669,120 | 2,158,660 | 8,322,096 | 4,516,356 | 1,627,614 | 2,782,887 | 8,926,857 |
| Total..... | 118,934,123 | 32,024,344 | 15,305,357 | 166,263,824 | 194,069,514 | 41,329,029 | 26,325,641 | 261,724,184 |

Table 6.—Wage-Earners Employed in the Manufactures of the Non-Metallic Minerals in Canada, by Months and by Provinces, 1926

| Month | Prince Edward Island | Nova Scotia | New Brun- swick | Quebec | Ontario | Mani- toba | Saskat- chewan | Alberta | British Colum- | Canada |
|----------------------------|----------------------------|----------------|-----------------------|--------|---------|---------------|-------------------|---------|-------------------|--------|
| January..... | 7 | 729 | 138 | 4,390 | 9,329 | 415 | 195 | 581 | 1,374 | 17,158 |
| February..... | 7 | 731 | 143 | 4,770 | 9,421 | 429 | 207 | 608 | 1,331 | 17,707 |
| March..... | 8 | 728 | 178 | 5,205 | 9,817 | 457 | 221 | 847 | 1,301 | 18,762 |
| April..... | 8 | 765 | 222 | 5,649 | 10,612 | 608 | 247 | 931 | 1,348 | 20,390 |
| May..... | 11 | 848 | 250 | 6,656 | 11,571 | 754 | 411 | 966 | 1,453 | 22,920 |
| June..... | 11 | 890 | 276 | 7,036 | 11,809 | 882 | 476 | 1,155 | 1,427 | 24,022 |
| July..... | 11 | 871 | 281 | 7,045 | 11,958 | 943 | 485 | 1,236 | 1,393 | 24,223 |
| August..... | 13 | 876 | 258 | 7,064 | 11,852 | 996 | 534 | 1,291 | 1,361 | 24,245 |
| September..... | 13 | 867 | 247 | 6,524 | 11,481 | 809 | 485 | 1,111 | 1,401 | 22,938 |
| October..... | 13 | 849 | 247 | 6,707 | 10,903 | 770 | 534 | 994 | 1,412 | 22,399 |
| November..... | 11 | 796 | 241 | 6,185 | 10,520 | 683 | 487 | 949 | 1,326 | 21,198 |
| December..... | 11 | 768 | 200 | 5,560 | 10,116 | 581 | 410 | 844 | 1,279 | 19,769 |
| *Average..... | 11 | 847 | 260 | 6,375 | 11,249 | 765 | 473 | 979 | 1,418 | 22,497 |
| *Average for 1925 (a)..... | 14 | 675 | 174 | 4,438 | 7,279 | 358 | 319 | 357 | 702 | 14,376 |

*Note on the Method of Computing the Average Number of Wage-Earners for each Industry—If a company works only 3 months in the year, the average number of wage-earners for this company is obtained by adding the monthly figures and dividing by 3. If a second company operates every month in the year, the average number of wage-earners for this company is obtained by adding the monthly figures and dividing by 12. The average number of wage-earners for each other industry is computed on the same way. The average number of wage-earners in the industry during the year is the sum of these individual averages.

(a) Data for cement, domestic clay products, lime, and salt industries were not included in 1925.

Table 7.—Wage-Earners Employed in the Manufactures of Non-Metallic Minerals in Canada by Months and by Industries, 1926, with Comparative Totals for 1925

| Month | Aerated waters | Asbestos and allied products | Cement | Cement products | Coke | Gas | Glass | Lime |
|------------------------|-------------------|---------------------------------------|-----------------|--------------------|------|-------|-------|-----------------|
| January..... | 945 | 162 | 1,723 | 324 | 542 | 2,243 | 2,152 | 835 |
| February..... | 956 | 174 | 1,886 | 338 | 588 | 2,259 | 2,387 | 786 |
| March..... | 977 | 190 | 1,979 | 451 | 568 | 2,313 | 2,417 | 846 |
| April..... | 1,084 | 206 | 2,178 | 598 | 596 | 2,568 | 2,456 | 904 |
| May..... | 1,294 | 208 | 2,483 | 890 | 592 | 2,899 | 2,700 | 962 |
| June..... | 1,448 | 220 | 2,478 | 934 | 586 | 3,048 | 2,770 | 981 |
| July..... | 1,635 | 233 | 2,417 | 903 | 562 | 3,013 | 2,778 | 971 |
| August..... | 1,542 | 242 | 2,377 | 823 | 581 | 3,077 | 2,919 | 985 |
| September..... | 1,226 | 256 | 2,267 | 821 | 594 | 2,898 | 2,816 | 996 |
| October..... | 1,087 | 247 | 2,149 | 776 | 616 | 2,631 | 2,842 | 1,033 |
| November..... | 1,024 | 213 | 2,136 | 603 | 613 | 2,467 | 2,897 | 972 |
| December..... | 1,042 | 190 | 1,996 | 496 | 607 | 2,329 | 2,906 | 917 |
| *Average..... | 1,242 | 213 | 2,216 | 772 | 580 | 2,642 | 2,744 | 1,017 |
| *Average for 1925..... | 1,302 | 196 | Not included | 729 | 556 | 2,933 | 2,501 | Not included |

Table 7.—Wage-Earners Employed in the Manufactures of Non-Metallic Minerals in Canada by Months and by Industries, 1926, with Comparative Totals for 1925—Con.

| Month | Petroleum products | Products from domestic clay | Products from imported clay | Salt | Sand-lime brick | Stone dressing | Miscellaneous | Total |
|------------------------|--------------------|-----------------------------|-----------------------------|--------------|-----------------|----------------|---------------|--------|
| January..... | 3,162 | 1,936 | 510 | 307 | 121 | 921 | 1,275 | 17,158 |
| February..... | 3,172 | 1,963 | 516 | 309 | 100 | 966 | 1,307 | 17,707 |
| March..... | 3,089 | 2,591 | 530 | 337 | 110 | 1,032 | 1,332 | 18,762 |
| April..... | 3,079 | 3,179 | 527 | 359 | 172 | 1,129 | 1,355 | 20,390 |
| May..... | 3,077 | 4,188 | 530 | 347 | 222 | 1,190 | 1,338 | 22,920 |
| June..... | 3,104 | 4,695 | 511 | 327 | 230 | 1,347 | 1,343 | 24,022 |
| July..... | 3,164 | 4,686 | 524 | 340 | 203 | 1,379 | 1,415 | 24,223 |
| August..... | 3,400 | 4,505 | 533 | 339 | 204 | 1,372 | 1,346 | 24,245 |
| September..... | 3,318 | 3,950 | 520 | 319 | 182 | 1,373 | 1,382 | 22,938 |
| October..... | 3,479 | 3,700 | 530 | 320 | 109 | 1,380 | 1,350 | 22,399 |
| November..... | 3,389 | 3,273 | 565 | 338 | 139 | 1,230 | 1,330 | 21,109 |
| December..... | 3,202 | 2,714 | 566 | 305 | 132 | 1,084 | 1,283 | 19,769 |
| *Average..... | 3,235 | 4,066 | 524 | 333 | 197 | 1,238 | 1,388 | 22,407 |
| *Average for 1925..... | 3,274 | Not included | 487 | Not included | 189 | 1,048 | 1,159 | 14,376 |

*See note page 23.

Table 8.—Fuel and Electricity Used in the Manufactures of the Non-Metallic Minerals in Canada by Kinds and by Provinces, 1926

| Province | Anthracite coal | Bituminous coal | Coke | Fuel oil and gasoline | Gas | Wood | Other | Electricity | Total |
|-----------------------|-----------------|-----------------|---------|-----------------------|-----------|---------|---------|-------------|------------|
| | Tons | Tons | Tons | Gal. | M cu. ft. | Cords | \$ | k.w.h. | \$ |
| Prince Edward Island— | | | | | | | | | |
| Quantity | | | 10 | 6,601 | | | | | |
| \$ | | | 124 | 674 | | | | | 798 |
| Nova Scotia— | | | | | | | | | |
| Quantity | 53 | 12,859 | 4,876 | 7,661,425 | 1,538,306 | 3,109 | | 7,809,357 | |
| \$ | 721 | 70,965 | 31,055 | 313,690 | 152,272 | 15,890 | 51 | 95,384 | 680,028 |
| New Brunswick— | | | | | | | | | |
| Quantity | 56 | 2,525 | | 2,038 | 428 | 10,994 | | 145,469 | |
| \$ | 738 | 18,926 | | 656 | 593 | 56,943 | 60 | 3,047 | 78,963 |
| Quebec— | | | | | | | | | |
| Quantity | 2,555 | 356,577 | 1,226 | 15,035,495 | 199,631 | 16,727 | | 173,348,166 | |
| \$ | 30,126 | 2,150,348 | 12,731 | 943,905 | 76,912 | 85,149 | 2,549 | 833,509 | 4,135,229 |
| Ontario— | | | | | | | | | |
| Quantity | 5,032 | 658,736 | 59,296 | 10,441,842 | 3,655,986 | 49,808 | 168 | 163,152,527 | |
| \$ | 34,851 | 3,708,328 | 354,412 | 617,662 | 1,252,397 | 240,492 | 46,020 | 1,154,087 | 7,408,249 |
| Manitoba— | | | | | | | | | |
| Quantity | 272 | 28,801 | 4,448 | 113,151 | 110 | 16,113 | 51 | 12,511,971 | |
| \$ | 2,101 | 227,881 | 24,512 | 12,749 | 134 | 76,690 | 424 | 84,002 | 428,493 |
| Saskatchewan— | | | | | | | | | |
| Quantity | 5 | 6,269 | 406 | 4,827,699 | 210,909 | 509 | 8,292 | 1,954,133 | |
| \$ | 87 | 46,127 | 2,610 | 280,211 | 80,618 | 2,662 | 17,479 | 34,061 | 469,855 |
| Alberta— | | | | | | | | | |
| Quantity | 3,214 | 37,573 | 15 | 1,677,513 | 1,807,087 | 1,642 | 3,410 | 12,646,951 | |
| \$ | 9,818 | 167,842 | 93 | 48,304 | 144,355 | 6,535 | 20,956 | 135,908 | 533,511 |
| British Columbia— | | | | | | | | | |
| Quantity | 462 | 47,289 | 14,003 | 5,428,572 | 447,435 | 20,175 | | 4,719,041 | |
| \$ | 2,406 | 219,296 | 45,708 | 188,352 | 68,620 | 52,427 | 0,755 | 53,426 | 636,990 |
| Canada—(1926) | | | | | | | | | |
| Quantity | 11,649 | 1,156,629 | 84,290 | 45,194,336 | 7,859,952 | 119,077 | 11,921 | 376,287,615 | |
| \$ | 80,848 | 6,607,713 | 471,245 | 2,406,203 | 1,781,901 | 536,788 | 84,294 | 2,393,124 | 14,372,116 |
| *Canada (1925)— | | | | | | | | | |
| Quantity | 26,147 | 304,075 | 160,871 | 41,896,600 | 6,273,854 | 2,494 | | 200,430,735 | |
| \$ | 170,600 | 1,563,893 | 928,282 | 2,454,202 | 1,459,335 | 14,087 | 141,662 | 1,156,472 | 7,888,533 |

*Data for cement, domestic clay products, lime and salt industries were not included in 1925.

Table 9.—Fuel and Electricity Used in the Manufactures of the Non-Metallic Minerals in Canada by Kinds and by Industries, 1926, with Comparative Totals for 1925

| Industry | | Anthracite coal | Bituminous coal | Coke | Fuel oil and gasoline | Gas | Wood | Other | Electricity | Total |
|-------------------------------|-----------------|-----------------|------------------|----------------|-----------------------|------------------|----------------|----------------|--------------------|-------------------|
| | | Tons | Tons | Tons | Gal. | M cu.ft. | Cords | \$ | K.W.H. | \$ |
| Aerated waters | Quantity | 1,116 | 5,609 | 162 | 128,616 | 11,391 | 1,172 | | 1,521,809 | |
| | \$ | 15,825 | 40,303 | 1,744 | 40,832 | 7,136 | 7,383 | 901 | 42,236 | 156,510 |
| Asbestos and allied products— | Quantity | 93 | 5,136 | 1 | 43,910 | 270 | 17 | | 1,677,820 | |
| | \$ | 729 | 31,215 | 12 | 3,573 | 396 | 83 | | 28,280 | 64,288 |
| Cement— | Quantity | 441 | 504,577 | 49 | 8,784 | 9,274 | | | 169,280,187 | |
| | \$ | 2,016 | 2,064,790 | 548 | 2,274 | 5,564 | | | 748,994 | 3,424,156 |
| Cement products— | Quantity | 421 | 3,538 | 317 | 35,020 | 996 | 192 | | 624,900 | |
| | \$ | 6,432 | 25,253 | 3,594 | 10,321 | 470 | 1,374 | 2,251 | 21,120 | 70,815 |
| Coke— | Quantity | | 1,573 | 5,087 | | 4,465,103 | | | 13,815,759 | |
| | \$ | | 8,447 | 33,922 | | 909,210 | | 6,611 | 104,920 | 1,063,122 |
| Gas— | Quantity | | 40,885 | 49,257 | | 29,929 | | | 12,221,496 | |
| | \$ | | 246,524 | 268,733 | | 23,964 | | 97 | 50,158 | 589,476 |
| Glass— | Quantity | 327 | 65,295 | 193 | 3,562,946 | 255,732 | 14 | | 15,864,075 | |
| | \$ | 4,818 | 432,937 | 2,154 | 359,144 | 221,524 | 162 | 190 | 125,251 | 1,143,160 |
| Lime— | Quantity | 1,226 | 63,760 | 9,948 | 1,088 | 32,613 | 58,932 | | 2,333,086 | |
| | \$ | 5,687 | 392,279 | 72,810 | 339 | 9,343 | 258,133 | 327 | 50,072 | 788,990 |
| Petroleum products— | Quantity | 8 | 163,993 | 14,722 | 40,849,603 | 2,482,195 | 3 | | 17,699,772 | |
| | \$ | 123 | 766,211 | 57,655 | 1,931,726 | 580,530 | 18 | 38,648 | 209,864 | 3,584,795 |
| Products from domestic clay— | Quantity | 6,450 | 204,111 | 1,976 | 294,540 | 355,136 | 57,967 | | 15,729,185 | |
| | \$ | 26,829 | 1,447,523 | 17,297 | 36,043 | 15,223 | 263,881 | 19,407 | 253,851 | 2,040,654 |
| Products from imported clay— | Quantity | 900 | 17,899 | 486 | 230,807 | 10,768 | 265 | | 1,370,628 | |
| | \$ | 9,161 | 138,395 | 5,365 | 17,064 | 5,499 | 2,418 | 100 | 16,801 | 194,903 |
| Salt— | Quantity | | 54,177 | | 5,600 | | 30 | | 1,131,352 | |
| | \$ | | 280,249 | | 1,168 | | 160 | 25,526 | 17,519 | 324,612 |
| Sand-lime brick— | Quantity | | 5,802 | | 417 | | 51 | | 616,904 | |
| | \$ | | 37,438 | | 123 | | 410 | | 12,148 | 50,119 |
| Stone dressing— | Quantity | 360 | 834 | 966 | 29,878 | 854 | 323 | | 2,968,090 | |
| | \$ | 5,212 | 6,307 | 2,082 | 6,275 | 896 | 2,357 | 236 | 83,125 | 106,492 |
| Miscellaneous— | Quantity | 307 | 13,550 | 526 | 3,127 | 5,991 | 111 | | 119,435,062 | |
| | \$ | 4,016 | 89,812 | 5,329 | 321 | 2,118 | 419 | | 628,589 | 730,604 |
| Total— | Quantity | 11,649 | 1,150,629 | 84,290 | 15,194,336 | 7,859,852 | 119,077 | | 376,287,615 | |
| | \$ | 80,848 | 6,607,713 | 471,215 | 2,406,293 | 1,781,991 | 536,788 | 94,294 | 2,393,121 | 11,372,116 |
| *Total, 1925— | Quantity | 26,117 | 304,675 | 160,871 | 11,896,600 | 6,273,851 | 2,594 | | 260,430,735 | |
| | \$ | 170,690 | 1,563,893 | 928,282 | 2,451,202 | 1,459,335 | 14,087 | 141,662 | 1,156,472 | 7,888,533 |

*Data for cement, domestic clay products, lime and salt not included in 1925.

Table 10.—Power Employed in the Manufactures of the Non-Metallic Minerals in Canada, by Classes and by Provinces, 1926, with Comparative Totals for 1925

| Province | | Steam engines and turbines | Internal combustion engines (gas, oil and gasoline) | Hydraulic turbines and water wheels | Total primary power | Electric motors run by purchased power | Total power employed | Electric motors run by primary power in same plant | Total electric power | Boilers installed |
|----------------------|------|----------------------------|-----------------------------------------------------|-------------------------------------|---------------------|----------------------------------------|----------------------|----------------------------------------------------|----------------------|-------------------|
| | | | | | | | | | | |
| Prince Edward Island | No. | | 2 | | 2 | 2 | 4 | | | |
| | H.P. | | 11 | | 11 | 3 | 14 | | 3 | |
| Nova Scotia | No. | 58 | 17 | | 75 | 62 | 137 | 226 | 288 | 30 |
| | H.P. | 4,335 | 1,129 | | 6,464 | 372 | 5,836 | 6,570 | 6,942 | 7,708 |
| New Brunswick | No. | 9 | 9 | | 18 | 22 | 40 | 3 | 46 | 11 |
| | H.P. | 328 | 87 | | 415 | 197 | 612 | 70 | 667 | 625 |
| Quebec | No. | 181 | 32 | 2 | 215 | 1,241 | 1,456 | 19 | 1,860 | 80 |
| | H.P. | 5,791 | 312 | 2 | 6,105 | 43,692 | 49,797 | 298 | 45,990 | 9,586 |
| Ontario | No. | 244 | 99 | 4 | 347 | 2,317 | 2,661 | 134 | 2,451 | 395 |
| | H.P. | 9,184 | 1,278 | 40 | 10,502 | 207,469 | 217,971 | 841 | 208,310 | 29,025 |
| Manitoba | No. | 16 | 3 | | 19 | 224 | 243 | | 224 | 15 |
| | H.P. | 441 | 12 | | 453 | 6,889 | 7,312 | | 6,889 | 1,755 |
| Saskatchewan | No. | 18 | 4 | | 22 | 87 | 109 | | 87 | 23 |
| | H.P. | 1,410 | 180 | | 1,590 | 1,947 | 3,537 | | 1,947 | 2,998 |
| Alberta | No. | 54 | 15 | | 69 | 295 | 364 | 46 | 341 | 28 |
| | H.P. | 2,426 | 501 | | 2,927 | 7,907 | 10,834 | 1,905 | 9,812 | 5,493 |
| British Columbia | No. | 69 | 9 | 1 | 79 | 278 | 357 | 5 | 283 | 32 |
| | H.P. | 1,469 | 157 | 3 | 1,629 | 7,738 | 9,367 | 112 | 7,850 | 3,362 |
| Canada, 1926 | No. | 649 | 190 | 7 | 846 | 4,328 | 5,374 | 433 | 4,961 | 614 |
| | H.P. | 25,380 | 3,667 | 45 | 29,092 | 276,211 | 365,510 | 9,786 | 286,016 | 69,552 |
| *Canada, 1925 | No. | 455 | 149 | 9 | 613 | 2,274 | 2,887 | 726 | 2,994 | 411 |
| | H.P. | 14,792 | 2,926 | 21 | 17,739 | 186,473 | 204,212 | 11,179 | 197,652 | 42,650 |

*Data for cement, domestic clay products, lime and salt not included in 1925.

Table 11.—Power Employed in the Manufactures of the Non-Metallic Minerals in Canada, by Classes and by Industries, 1926, with Comparative Totals for 1925

| Industry | Steam engines and turbines | Internal combustion engines (gas, oil and gasoline) | Hydraulic turbines and water wheels | Total primary power | Electric motors run by purchased power | Total power employed | Electric motors run by primary power in same plant | Total electric motors | Boilers |
|---------------------------------|----------------------------|-----------------------------------------------------|-------------------------------------|---------------------|----------------------------------------|----------------------|----------------------------------------------------|-----------------------|---------------|
| Aerated waters..... No. | 16 | 27 | 4 | 47 | 639 | 686 | 639 | 639 | 38 |
| H.P. | 190 | 70 | 8 | 258 | 1,967 | 2,225 | 1,967 | 1,967 | 1,082 |
| Asbestos and allied No. | | | | | 103 | 163 | 103 | 103 | 7 |
| products..... H.P. | | | | | 2,345 | 2,345 | 2,345 | 2,345 | 766 |
| Cement..... No. | 5 | 11 | | 16 | 1,122 | 1,138 | 44 | 1,106 | 8 |
| H.P. | 418 | 283 | | 701 | 65,800 | 66,591 | 1,900 | 67,700 | 2,302 |
| Cement products..... No. | 8 | 68 | 1 | 77 | 118 | 195 | | 118 | 25 |
| H.P. | 126 | 558 | 4 | 688 | 1,417 | 2,105 | | 1,417 | 664 |
| Coke..... No. | 98 | | | 98 | 190 | 294 | 173 | 369 | 25 |
| H.P. | 3,829 | | | 3,829 | 4,576 | 8,465 | 4,762 | 9,328 | 5,225 |
| Gas..... No. | 49 | 4 | 1 | 54 | 166 | 220 | | 166 | 178 |
| H.P. | 702 | 96 | 3 | 801 | 2,212 | 3,013 | | 2,212 | 10,906 |
| Glass..... No. | 1 | 2 | | 3 | 440 | 443 | | 440 | 26 |
| H.P. | 100 | 300 | | 400 | 8,045 | 6,445 | | 6,045 | 1,254 |
| Lime..... No. | 23 | 7 | 1 | 31 | 143 | 174 | 34 | 177 | 20 |
| H.P. | 1,034 | 79 | 30 | 1,143 | 2,635 | 3,278 | 615 | 3,250 | 1,078 |
| Petroleum products..... No. | 301 | 11 | | 312 | 344 | 656 | 66 | 410 | 95 |
| H.P. | 9,468 | 1,047 | | 10,515 | 7,866 | 18,781 | 1,662 | 9,628 | 20,227 |
| Products from dom- No. | 110 | 38 | | 148 | 367 | 515 | 9 | 376 | 120 |
| estic clay..... H.P. | 8,365 | 987 | | 9,352 | 14,213 | 23,565 | 267 | 14,480 | 9,349 |
| Products from im- No. | 1 | | | 1 | 87 | 88 | 12 | 79 | 15 |
| ported clay..... H.P. | 35 | | | 35 | 665 | 700 | 127 | 792 | 1,070 |
| Salt..... No. | 30 | 3 | | 33 | 54 | 87 | 2 | 56 | 26 |
| H.P. | 752 | 62 | | 814 | 659 | 1,473 | 52 | 711 | 4,100 |
| Sand-lime brick..... No. | 4 | | | 4 | 27 | 31 | 1 | 28 | 9 |
| H.P. | 265 | | | 265 | 637 | 902 | 10 | 647 | 1,170 |
| Stone dressing..... No. | 2 | 19 | | 21 | 416 | 437 | | 416 | 8 |
| H.P. | 10 | 185 | | 195 | 5,452 | 5,467 | | 5,452 | 134 |
| Miscellaneous..... No. | 1 | | | 1 | 306 | 307 | 92 | 398 | 14 |
| H.P. | 100 | | | 100 | 159,735 | 159,825 | 411 | 160,136 | 1,225 |
| Total 1926..... No. | 619 | 190 | 7 | 816 | 4,528 | 3,374 | 433 | 4,361 | 614 |
| H.P. | 25,384 | 3,667 | 45 | 29,096 | 276,214 | 305,310 | 9,796 | 286,010 | 60,552 |
| *Total for 1925..... No. | 455 | 149 | 9 | 613 | 2,274 | 3,887 | 720 | 2,993 | 411 |
| H.P. | 14,792 | 2,926 | 21 | 17,739 | 186,473 | 204,212 | 11,179 | 197,652 | 42,650 |

*Data for cement, domestic clay products, lime and salt not included in 1925.

Table 12.—Alphabetical List of Materials Used in all Industries Classified under Manufactures of the Non-Metallic Minerals in Canada, 1926

| Material | Industry number (See key on page 29) | Unit of measure | Quantity | Value |
|------------------------------------------------------------------------------|--------------------------------------|-----------------|------------|-----------|
| Abrasive grains, artificial, such as alundum, aloxite, silicon carbide, etc. | 18 | lb. | 1,352,279 | \$ 80,424 |
| Abrasive grains, natural, such as corundum, silica, flint, garnet, etc. | 18 | lb. | 1,045,135 | 43,676 |
| Acid, sulphuric, 66° B ₆ | 5-11 | lb. | 79,277,374 | 676,534 |
| Adhesives | 2 | ton | 700 | 35,000 |
| Asbestos, cloth | 2 | lb. | 17,776 | 6,840 |
| Asbestos, crude | 2 | lb. | 10,731,840 | 169,349 |
| Asbestos, paper, corrugated and plain | 2 | | | 9,640 |
| Asbestos, yarn | 2 | lb. | 174,938 | 65,627 |
| Asphalt | 2-10 | lb. | 8,205,000 | 96,100 |
| Bauxite and alumina | 18 | ton | 40,178 | 872,831 |
| Benzene, gasoline, naphtha, etc., used in gas making | 6 | Imp. gal. | 75,587 | 9,443 |
| Bonding and bushing materials | 18 | | | 19,320 |
| Calcium carbide | 6 | lb. | 311,770 | 14,344 |
| Carbon, raw and scrap | 19 | ton | 1,738 | 50,714 |
| Cement, Portland | 2-4-15-17 | barrels | 233,049 | 513,070 |
| Clay, domestic | 2-13-7 | ton | 809 | 9,307 |
| Clays, china, etc., imported | 18 | ton | 4,973 | 133,146 |
| Chlorine | 11 | | | 5,875 |
| Coal, anthracite, for making carborundum, foundry facings, etc. | 18-21 | short ton | 10,564 | 70,077 |
| Coal, bituminous, for making foundry facings, etc. | 21 | short ton | 507 | 2,139 |
| Coal, anthracite, for gas making (not for fuel) | 6 | short ton | 3,477 | 41,277 |
| Coal, bituminous, for gas-making (not for fuel)— | | | | |
| (a) Canadian | 6 | short ton | 80,923 | 416,645 |
| (b) Imported | 6 | short ton | 620,360 | 3,857,538 |
| Coal, bituminous for coke-making (not for fuel)— | | | | |
| (a) Canadian | 5 | short ton | 938,134 | 3,041,854 |
| (b) Imported | 5 | short ton | 1,254,866 | 6,379,663 |
| Coke, for gas-making (not for fuel)— | | | | |
| (a) Purchased | 6 | short ton | 6,663 | 70,101 |
| (b) Companies' own make | 6 | short ton | 91,537 | 592,885 |
| Coke, petroleum | 19 | short ton | 1,110 | 24,267 |
| Coke, for making carbon electrodes, carborundum, etc. | 18-19 | short ton | 21,412 | 286,825 |
| Compounding material | 11 | | | 700,083 |
| Cotton cloth and yarn | 2-18 | | | 62,006 |

Table 12.—Alphabetical List of Materials Used in all Industries Classified under Manufactures of the Non-Metallic Minerals in Canada, 1926—Continued

| Material | Industry number (See key on page 29) | Unit of measure | Quantity | Value \$ |
|--------------------------------------------------------------------|-----------------------------------------|-----------------|-------------|-------------------|
| Electrodes, carbon | 18 | lb. | 1,755,093 | 124,699 |
| Feldspar | 13 | ton | 1,103 | 20,087 |
| Felt | 2 | lb. | 42,879 | 6,033 |
| Fire brick, fire clay and pitch | 18-19-21 | | | 22,474 |
| Fire clay used in the imported-clay products industry | 13 | ton | 21,660 | 112,805 |
| Flint | 13 | ton | 738 | 12,762 |
| Fullers' earth | 11 | lb. | 4,784,069 | 50,460 |
| Glass blanks | 7 | | | 174,921 |
| Glass, figured and cathedral | 7 | sq. ft. | 382,419 | 45,820 |
| Glass, plate | 7 | sq. ft. | 2,255,991 | 1,104,977 |
| Glass, sheet and window | 7 | sq. ft. | 3,677,320 | 317,907 |
| Glue | 7-17 | lb. | 234,062 | 42,601 |
| Graphite | 10-21 | lb. | 147,819 | 4,312 |
| Gravel | 4-15 | cu. yd. | 109,983 | 150,448 |
| Grease, soap | 10 | lb. | 45,400 | 5,992 |
| Gypsum, crude | 17 | lb. | 275,920 | 1,691 |
| Hair | 2 | ton | 180 | 27,800 |
| Hardware, malleable iron, etc. | 13 | | | 147,618 |
| Iron for making ferrosilicon | 18 | lb. | 9,205,378 | 53,052 |
| Jute | 2 | lb. | 2,946 | 469 |
| Lead | 7-18 | lb. | 240,360 | 39,509 |
| Lead, red | 10 | lb. | 68,400 | 8,292 |
| Lead, white | 13 | lb. | 27,241 | 3,140 |
| Lime | 4-5-6-11-15 | short ton | 141,734 | 124,291 |
| Litharge | 11 | lb. | 697,417 | 72,269 |
| Magnesite | 2 | lb. | 251,125 | 6,385 |
| Materials for polishing and grinding | 7 | | | 16,567 |
| Materials used in aerated waters industry | 1 | | | 2,289,678 |
| Materials, used in pressed and blown glass industry | 8 | | | 2,623,811 |
| Mica plate, block mica and uncut mica | 2-20 | | | 13,802 |
| Mica, knife-trimmed and thumb-trimmed | 20 | lb. | 680,211 | 152,582 |
| Mica splittings | 20 | lb. | 30,906 | 17,217 |
| Oil, crude, product of Canadian wells (including Royalite naphtha) | 11 | Imp. gal. | 12,203,286 | 1,673,632 |
| Oil, crude, imported | 11 | Imp. gal. | 573,283,043 | 45,396,649 |
| Oil, gas for gas making (not for fuel) | 6 | Imp. gal. | 12,135,649 | 1,133,157 |
| Oil, linseed | 10 | Imp. gal. | 7,303 | 6,332 |
| Oils, animal | 10 | Imp. gal. | 28,084 | 32,848 |
| Oils, mineral | 10 | Imp. gal. | 1,016,213 | 241,211 |
| Oils, other | 10 | Imp. gal. | 94,142 | 5,175 |
| Oxide or purifying materials | 6 | short ton | 4,995 | 48,692 |
| Paints and shellac | 7-17-20 | | | 7,205 |
| Paper | 17 | lb. | 3,081,000 | 79,263 |
| Paper, kraft | 18 | lb. | 72,061 | 4,615 |
| Paper rope | 18 | lb. | 89,961 | 14,700 |
| Plaster | 13 | brl. | 599 | 2,275 |
| Plaster of Paris | 17 | lb. | 106,221,000 | 221,655 |
| Putty | 7 | lb. | 56,000 | 1,700 |
| Rosin | 10 | | | 1,482 |
| Rubber | 2 | lb. | 27,004 | 9,143 |
| Salt | 18 | lb. | 694,780 | 3,478 |
| Sand | 2-4-15-17-19 | ton | 235,303 | 225,415 |
| Sand, silica, for making carborundum ferrosilicon, etc. | 18 | ton | 35,172 | 193,372 |
| Sawdust and shavings | 17-18-19 | | | 34,486 |
| Silver nitrate | 7 | lb. | 2,105 | 15,260 |
| Slate, electrical | 21 | sq. ft. | 3,266 | 4,083 |
| Slate | 2 | ton | 1,200 | 16,175 |
| Soda, ash | 11 | lb. | 249,172 | 4,841 |
| Soda, caustic | 11 | lb. | 6,216,823 | 234,326 |
| Sodium nitrate | 5 | lb. | 38,302 | 1,459 |
| Solder | 7 | lb. | 24,113 | 6,380 |
| Starch | 17 | lb. | 248,487 | 10,284 |
| Steel channels, re-inforcing | 17 | ton | 214 | 14,124 |
| Stone | 16 | | | 1,859,964 |
| Stone, crushed | 4 | cu. yd. | 19,646 | 48,452 |
| Stucco, dash | 2 | lb. | 133,300 | 1,102 |
| Sulphur | 5-11 | short ton | 288 | 8,763 |
| Tallow | 2-10 | lb. | 183,317 | 51,972 |
| Tar | 18-19 | gal. | 138,558 | 11,817 |
| Tin oxide | 13 | lb. | 6,040 | 3,991 |
| Whiting | 13-17-18 | lb. | 2,929,548 | 28,915 |
| Wire, brass | 2 | lb. | 14,201 | 5,158 |
| Wire, re-inforcing | 17 | lb. | 118,000 | 8,952 |
| Containers, boxes, barrels, packages, etc. | 2-4-7-8-10-11-13-15-17-18-20-21 | | | 3,382,881 |
| All other materials | All industries | | | 1,080,897 |
| Total | | | | 82,293,319 |

Table 13.—Alphabetical List of Products Made in all Industries Classified under Manufactures of the Non-Metallic Minerals in Canada, 1926

| Product | Industry number (See key on page 29) | Unit of measure | Quantity | Value \$ |
|------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------|-------------|-------------|
| Abrasive wheels | 18 | | | 619,124 |
| Abrasive, cloth, abrasive paper and specialties such as sharpening stones, etc. | 18 | | | 230,043 |
| Alumina, fused | 18 | lb. | 69,297,175 | 3,423,526 |
| Ammonia liquor | 5-6 | lb. NH ₃ | 3,557,247 | 70,934 |
| Ammonium sulphate | 5-6 | lb. | 47,310,666 | 1,015,578 |
| Asbestos boiler and pipe covering | 2 | | | 232,963 |
| Asbestos brake linings | 2 | ft. | 1,660,500 | 279,783 |
| Asbestos packing of all kinds | 2 | lb. | 319,399 | 184,515 |
| Asbestos lumber, shingles, paper and mill board | 2 | | | 451,831 |
| Asbestos products, n.e.s. including black boards, gaskets, etc. | 2 | | | 17,908 |
| Brick, cement | 4 | M | 1,694 | 53,412 |
| Brick, clay: soft mud process—Face | 12 | M | 28,235 | 556,573 |
| Common | 12 | M | 78,158 | 1,145,490 |
| Stiff mud (wire cut) process—Face | 12 | M | 101,028 | 2,140,362 |
| Common | 12 | M | 94,046 | 1,624,055 |
| Dry press—Face | 12 | M | 30,423 | 651,236 |
| Common | 12 | M | 19,450 | 260,598 |
| Brick, clay, fancy or ornamental, including special shapes, embossed and enamelled brick | 12 | M | 462 | 24,057 |
| Brick, fire from domestic clay | 12 | M | 4,195 | 192,270 |
| Brick, fire and other refractory products, from imported clay | 13 | | | 323,168 |
| Brick, sewer, from domestic clay | 12 | M | 6,546 | 117,194 |
| Brick, paving, from domestic clay | 12 | M | 121 | 5,015 |
| Brick, sand-lime | 15 | M | 50,283 | 606,409 |
| Building blocks, cement, hollow | 4-15 | | | 1,090,164 |
| Building blocks, clay, hollow, including fire proofing and load-bearing tile | 12 | ton | 142,061 | 1,314,650 |
| Cement, Portland | 3 | bri. | 8,707,021 | 13,013,283 |
| Cement products, n.e.s. including burial vaults, laundry traps and battery boxes | 4 | | | 48,389 |
| Cider | 1 | | | 80,277 |
| Coke | 5-6 | short ton | 1,935,704 | 13,085,616 |
| Coke, acid from oil refineries | 11 | short ton | 11,802 | 39,904 |
| Coke breeze | 5-6 | short ton | 91,354 | 220,300 |
| Coke, petroleum | 11 | short ton | 51,545 | 307,443 |
| Fireclay | 12 | ton | 2,513 | 23,258 |
| Fire clay blocks and shapes from domestic clays | 12 | | | 54,064 |
| Gas from gas plants:— | | | | |
| Acetylene gas | 6 | M cu. ft. | 1,394 | |
| Straight coal gas | 6 | M cu. ft. | 8,352,120 | |
| Carburized water gas | 6 | M cu. ft. | 5,408,725 | |
| Mixed coal and water gas | 6 | M cu. ft. | 236,753 | |
| Pintsch (oil) gas | 6 | M cu. ft. | 88,675 | |
| Gas sold | 6 | M cu. ft. | 12,573,892 | 14,417,652 |
| Gas from coke plants:— | | | | |
| Gas sold | 5 | M cu. ft. | 1,225,801 | 518,419 |
| Gas used in heating ovens or retorts | 5 | M cu. ft. | 6,774,384 | 1,115,460 |
| Gas otherwise used in plant or otherwise accounted for but not sold | 5 | M cu. ft. | 9,890,061 | 1,180,103 |
| Gas from petroleum refineries—still gas | 11 | M cu. ft. | 1,532,430 | 493,314 |
| Gasoline | 11 | imp. gal. | 222,147,704 | 40,467,868 |
| Glass, bent | 7 | | | 5,619 |
| Glass, bevelled and ground edge plates | 7 | | | 950,136 |
| Glass, cut | 7 | | | 420,000 |
| Glass, leaded | 7 | | | 178,642 |
| Glass lights, leaded, and domes | 7 | | | 17,828 |
| Glass, ornamental | 7 | | | 118,206 |
| Glass, plain, sheet and window | 7 | | | 370,090 |
| Glass, plate | 7 | | | 250,938 |
| Glass, pressed and blown | 8 | | | 8,266,626 |
| Glass, silvered mirror plate | 7 | | | 652,511 |
| Glass, store fronts | 7 | | | 58,311 |
| Glass windows, memorial | 7 | | | 110,407 |
| Glass products, n.e.s. including signs, pavement prisms, show cases, silvered reflectors, etc. | 7 | | | 88,027 |
| Granite for building purposes | 16 | | | 74,792 |
| Grease, lubricating | 10-11 | lb. | 11,334,847 | 293,420 |
| Gypsum blocks, wallboard and wallcoating | 17 | | | 938,210 |
| Insulators, porcelain, from imported clays | 13 | | | 1,027,280 |
| Kerosene | 11 | Imp. gal. | 58,502,190 | 9,402,396 |
| Lime (quick lime) | 9 | oush. | 9,945,336 | 3,018,853 |
| Lime, hydrated | 9 | bush. | 1,880,400 | 762,631 |
| Limestone, for building purposes | 16 | | | 1,969,755 |
| Marble, chips and dust | 16 | | | 19,085 |
| Marble for building purposes | 16 | | | 644,945 |
| Mica splittings | 20 | lb. | 374,604 | 262,167 |
| Mica, knife-trimmed | 20 | lb. | 191,749 | 49,318 |
| Mica products, n.e.s., including cut and uncut mica, mica plates, tubes, etc. | 20 | | | 43,788 |
| Mineral water, natural (fortified or not) | 1 | | | 223,692 |
| Monuments, finished, lettered only | 16 | | | 925,681 |

Table 13.—Alphabetical List of Products Made in all Industries Classified under Manufactures of the Non-Metallic Minerals in Canada, 1926—Concluded

| Product | Industry number (See key on page 29) | Unit of measure | Quantity | Value |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-----------------|-------------|--------------------|
| Monuments, granite, cut and polished..... | 16 | | | \$ 1,619,206 |
| Monuments, marble, cut and polished..... | 16 | | | 376,859 |
| Monuments and bases, limestone..... | 16 | | | 94,446 |
| Oil, acid, and acid sludge..... | 11 | Imp. gal. | 954,080 | 44,949 |
| Oil, core..... | 10 | Imp. gal. | 15,216 | 11,423 |
| Oils, fuel and gas..... | 11 | Imp. gal. | 228,474,212 | 12,007,320 |
| Oils, light (toluol, benzol, drip oil, holder oil, naphthalene, etc.)..... | 5-6 | Imp. gal. | 3,278,419 | 426,381 |
| Oils, lubricating..... | 10-11 | Imp. gal. | 17,922,853 | 4,114,247 |
| Petroleum spirits including engine distillate, V.M. & P., naphtha, etc..... | 11 | Imp. gal. | 1,650,956 | 245,841 |
| Pipe, cement, drain..... | 4 | | | 138,928 |
| Pipe, cement sewer, and culvert tile..... | 4 | | | 508,870 |
| Pipe, sewer, copings, etc., from imported clays..... | 13 | ton | 6,819 | 167,109 |
| Pipe, sewer, including copings, flue linings, etc., from domestic clays..... | 12 | ton | 75,996 | 1,480,776 |
| Plaster castings..... | 4-17 | | | 19,509 |
| Plaster works, ornamental..... | 17 | | | 8,975 |
| Pottery from imported clays..... | 13 | | | 34,890 |
| Pottery, glazed or unglazed, (including coarse earthenware, stoneware, etc.), from domestic clays..... | 12 | | | 320,135 |
| Posts, poles, piles, etc., of cement..... | 4 | | | 166,418 |
| Salt..... | 14 | ton | 262,547 | 1,480,149 |
| Sand..... | 21 | ton | 3,215 | 5,101 |
| Silicon carbide, crude..... | 18 | ton | 20,285 | 1,779,492 |
| Soda water and other carbonated beverages (non-alcoholic)..... | 1 | | | 6,257,658 |
| Statues, assorted and church supplies..... | 17 | | | 210,468 |
| Stone, artificial..... | 4 | | | 479,287 |
| Syrups and fruit juices..... | 1 | | | 519,380 |
| Tar coal..... | 5-6 | Imp. gal. | 24,017,985 | 1,492,410 |
| Tar, petroleum..... | 11 | lb. | 35,770 | 2,801 |
| Tile, drain, from domestic clay..... | 12 | No. | 14,258,062 | 396,018 |
| Tile, floor, from domestic clay..... | 12 | sq. ft. | 195,011 | 43,854 |
| Tile, roofing, from domestic clay..... | 12 | No. | 17,018 | 1,502 |
| Wax and candles..... | 11 | lb. | 9,858,490 | 648,303 |
| Amount received from custom work and repairs..... | 1-7-17 | | | 35,586 |
| All other products including asphalt, carbon electrodes, cotton brake linings, ferrosilicon, foundry facings, artificial graphite, magnesite flooring, magnesite stucco, stove oil, peruvian residuum from oil refineries, sanitary ware from imported clay, electrical slate, ceramic floor tile from imported clay and many unspecified commodities..... | All industries | | | 5,622,935 |
| Total..... | | | | 173,587,537 |

KEY TO THE NUMBERED INDUSTRIES

| Group | Industry number | Classification |
|-------|-----------------|---------------------------------------|
| I | 1 | AERATED WATERS. |
| II | 2 | ASBESTOS AND ALLIED PRODUCTS. |
| III | 3 | CEMENT. |
| IV | 4 | CEMENT PRODUCTS. |
| V | 5 | COKE. |
| VI | 6 | GAS, ILLUMINATING AND FUEL. |
| VII | 7 | GLASS— |
| | 8 | PLATE, CUT AND ORNAMENTAL. |
| VIII | 9 | PRESSED AND BLOWN. |
| IX | 10 | LIME. |
| | 11 | PETROLEUM PRODUCTS. |
| | 12 | LUBRICATING OILS AND GREASES. |
| X | 13 | PETROLEUM REFINING. |
| XI | 14 | PRODUCTS FROM DOMESTIC CLAYS. |
| XII | 15 | PRODUCTS FROM IMPORTED CLAYS. |
| XIII | 16 | SALT. |
| XIV | 17 | SAND-LIME BRICK. |
| XV | 18 | STONE, MONUMENTAL AND ORNAMENTAL. |
| | 19 | MISCELLANEOUS— |
| | 20 | PLASTER CASTINGS AND MODELS. |
| | 21 | GYPNUM PRODUCTS. |
| | | ABRASIVE PRODUCTS. |
| | | ARTIFICIAL ABRASIVES. |
| | | GRAPHITE AND ITS PRODUCTS. |
| | | MICA TRIMMING. |
| | | NON-METALLIC MINERAL PRODUCTS, N.E.S. |

Table 14.—Imports into Canada of Non-Metallic Minerals and Their Products, 1925 and 1926

| Commodity | 1925 | | 1926 | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------|------------|-------------|
| | Quantity | Value \$ | Quantity | Value \$ |
| ASBESTOS AND ITS PRODUCTS | | | | |
| Asbestos in any form other than crude, and all manufactures of n.o.p. | | | | |
| Asbestos packing..... ton | 111 | 98,169 | 93 | 93,122 |
| Magnesia pipe covering..... | | 108,681 | | 122,411 |
| Total asbestos and its products..... | | 557,450 | | 688,046 |
| CLAY AND ITS PRODUCTS | | | | |
| Bath brick..... | | 695 | | 97 |
| Building brick..... M | 5,489 | 125,565 | 4,157 | 93,337 |
| Building blocks..... | | 81,873 | | 77,230 |
| Clays— | | | | |
| China..... cwt. | 363,890 | 195,032 | 360,546 | 200,902 |
| Fire..... cwt. | 324,774 | 166,733 | 937,487 | 193,741 |
| Pipe..... | | 1,668 | | 1,323 |
| Zirconium silicate..... | | | | 2,704 |
| Other clays..... | | 64,498 | | 81,253 |
| Drain tile, unglazed..... | | 8,622 | | 2,547 |
| Drain and sewer pipe..... | | 66,960 | | 65,487 |
| Insulators, electric, porcelain..... | | | | 305,774 |
| Earthenware and chinaware..... | | 4,558,194 | | 4,647,395 |
| Brick, fire, other, valued at not less than \$100 per M, rectangular shaped; the dimensions of each not to exceed 125 cubic inches for use exclusively in the construction or repair of a furnace, kiln, etc..... | | 27,113 | | 41,690 |
| Brick, fire, n.o.p., for use exclusively in the construction or repair of a furnace, kiln or other equipment of a manufacturing establishment..... | | 861,696 | | 1,023,850 |
| Firebrick, n.o.p..... | | 194,060 | | 156,781 |
| Firebrick, chrome..... | | 35,277 | | 50,203 |
| Magnesite brick..... | | 93,840 | | 66,429 |
| Silica brick..... | | 135,356 | | 263,293 |
| Paving brick..... M | 1,563 | 39,901 | 2,678 | 72,089 |
| Other clay manufactures..... | | 771,001 | | 848,989 |
| Total clay and its products..... | | 7,478,084 | | 8,196,014 |
| COAL AND ITS PRODUCTS | | | | |
| COAL | | | | |
| Anthracite coal and anthracite dust..... ton | 3,782,557 | 32,096,509 | 4,192,419 | 34,202,166 |
| Bituminous round and run-of-mine..... ton | 2,055,946 | 4,426,759 | | |
| Bituminous slack such as will pass through 1-in. screen..... ton | 765,519 | 1,378,101 | 12,376,606 | 25,511,632 |
| Bituminous coal and coal, n.o.p..... ton | 68,726,995 | 21,169,480 | | |
| Lignite and lignite dust..... ton | 18,563 | 87,832 | 10,423 | 45,567 |
| Total coal..... ton | 16,349,580 | 59,158,681 | 16,579,448 | 59,759,865 |
| COAL PRODUCTS | | | | |
| Coal tar, crude, in packages of not less than 16 gallons, and coal pitch..... gal. | 3,636,880 | 258,944 | 3,681,324 | 256,061 |
| Carbolic or heavy oil..... gal. | 4,857,720 | 723,775 | 4,120,712 | 664,744 |
| Coke..... ton | 852,427 | 5,553,494 | 988,034 | 6,566,686 |
| Coke, ground, when imported by manufacturers of electric batteries for use in their own factories in the manufacture of such batteries..... cwt. | 15,393 | 52,815 | 13,478 | 33,942 |
| Total coal products..... | | 6,589,028 | | 7,521,433 |
| Total coal and its products..... | | 65,747,709 | | 67,281,098 |
| GLASS AND GLASSWARE | | | | |
| CUT, PRESSED OR BLOWN GLASS | | | | |
| Glass plates or discs, rough cut or unwrought, for use in the manufacture of optical instruments, when imported by manufacturers of such optical instruments..... | | 76,713 | | 82,752 |
| Glass milk bottles..... | | 44,576 | | 33,302 |
| Glass carboys or demijohns, bottles, decanters, flasks, jars and phials..... | | 1,108,285 | | 1,314,790 |
| Glass balls, and cut, pressed or moulded crystal glass tableware, blown glass tableware, and other cut glassware..... | | 688,801 | | 836,581 |
| Incandescent lamp bulbs and glass tubing for use in the manufacture of incandescent lamps..... | | 378,219 | | 560,395 |
| Lamp chimneys, glass shades or globes..... | | 330,182 | | 301,360 |
| Lenses, glass, unfinished..... | | 149,825 | | 97,432 |

Table 14.—Imports into Canada of Non-Metallic Minerals and Their Products, 1925 and 1926—Continued

| Commodity | 1925 | | 1926 | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|-------------|-------------|
| | Quantity | Value \$ | Quantity | Value \$ |
| GLASS AND GLASSWARE—Concluded | | | | |
| PLATE, SHEET AND WINDOW GLASS | | | | |
| Common and colourless window glass..... sq. ft. | 35,586,388 | 1,248,712 | 41,874,498 | 1,264,318 |
| Glass, cut to size for the manufacture of dry plates for photographic purposes, when imported by the manufacturers of such dry plates for use exclusively in the manufacture thereof in their own factories..... | | 5,074 | | 8,365 |
| Plate glass, not bevelled, in sheets or panes not exceeding 7 sq. ft. each, n.o.p..... sq. ft. | 2,516,402 | 1,031,956 | 3,756,968 | 1,527,128 |
| Plate glass, not bevelled, in sheets or panes exceeding 7 sq. ft. each, and not exceeding 25 sq. ft. each, n.o.p..... sq. ft. | 556,643 | 293,912 | 672,197 | 334,396 |
| Plate glass, n.o.p..... sq. ft. | 898,016 | 492,708 | 1,043,432 | 554,005 |
| Plate glass, bevelled, n.o.p..... sq. ft. | 19,552 | 10,431 | 27,556 | 12,547 |
| Glass in sheets and bent plate glass, n.o.p..... | | 187,924 | | 224,445 |
| STAINED, ORNAMENTAL AND SILVERED GLASS | | | | |
| Lenses, silvered, for automobile lamps..... | | 191 | | 316 |
| Ornamental, figured and enamelled coloured glass, and memorial or other ornamental window glass..... | | 6,119 | | 5,753 |
| Painted or vitrified, chipped, figured, enamelled and obscured white glass..... | | 25,180 | | 20,399 |
| Plain, coloured, opaque, stained or tinted or muffled glass in sheets..... | | 6,973 | | 10,301 |
| Stained or ornamental glass windows..... | | 20,551 | | 13,128 |
| Silvered glass, bevelled or not, framed or not framed..... | | 192,098 | | 211,042 |
| OTHER GLASS AND GLASSWARE | | | | |
| Articles of glass, not plate or sheet, designed to be cut or mounted..... | | 185,886 | | 186,683 |
| Photographic dry plates..... | | 21,410 | | 24,980 |
| Spectacles, eye-glasses and ground or finished spectacle or eye-glass lenses..... | | 79,609 | | 96,361 |
| Manufactures of glass, n.o.p..... | | 570,413 | | 674,616 |
| Total glass and glassware..... | | 7,155,700 | | 8,515,395 |
| GRAPHITE AND ITS PRODUCTS | | | | |
| Crucibles, plumbago..... | | 49,730 | | 60,782 |
| Plumbago not ground or otherwise manufactured..... | | 772 | | 3,836 |
| Plumbago ground and manufactures of, n.o.p..... | | 61,767 | | 57,302 |
| Total graphite..... | | 142,269 | | 121,920 |
| ASPHALT | | | | |
| Asphalt solid..... ton | 12,583 | 292,218 | 10,663 | 404,848 |
| Asphalt, not solid..... | | 13,288 | | 17,510 |
| Asphaltum oil..... | | 12,147 | | 21,998 |
| Total asphalt..... | | 317,653 | | 444,356 |
| PETROLEUM AND ITS PRODUCTS | | | | |
| PETROLEUM OILS, CRUDE, FUEL AND GAS | | | | |
| Crude petroleum in the natural state, .7000 specific gravity or heavier at 60 degrees temperature, when imported by oil refiners to be refined in their own factories..... gal. | 436,258,650 | 23,414,837 | 570,383,547 | 31,338,734 |
| Crude petroleum, gas oils other than naphtha, benzine and gasoline lighter than .8235 but not less than .775 specific gravity at 60 degrees..... gal. | 4,181,914 | 227,378 | 60,562 | 6,159 |
| Petroleum (not including crude petroleum imported to be refined or illuminating or lubricating oils) .8235 specific gravity or heavier at 60 degrees temperature..... gal. | 103,667,295 | 4,600,901 | 91,577,778 | 3,742,505 |
| Petroleum, imported by miners or mining companies or concerns, for use in the concentration of ores or metals in their own concentrating establishments..... gal. | 129,665 | 26,251 | 133,439 | 37,133 |
| Petroleum, crude, not in its natural state, .7000 specific gravity or heavier at 60 degrees temperature when imported by oil refiners to be refined in their own factories..... gal. | 49,149 | 2,910 | 5,472,250 | 263,864 |

Table 14.—Imports into Canada of Non-Metallic Minerals and Their Products, 1925 and 1926—Continued

| Commodity | 1925 | | 1926 | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------|------------|-------------|
| | Quantity | Value \$ | Quantity | Value \$ |
| PETROLEUM AND ITS PRODUCTS—Concluded | | | | |
| KEROSENE AND ILLUMINATING OILS | | | | |
| Coal oil and kerosene, distilled, purified or refined, n.o.p. gal. | 4,860,876 | 391,538 | 3,611,778 | 404,051 |
| Illuminating oils, composed wholly or in part of the products of petroleum, coal, shale or lignite, costing more than 30 cents per gallon | 2,451 | 1,776 | 6,210 | 2,919 |
| Coal oil and kerosene, distilled, known as "engine distillates," .725 specific gravity and heavier, but not heavier than .770 specific gravity at 60 degrees temperature | 395,785 | 63,587 | 1,224,464 | 139,404 |
| LUBRICATING OILS | | | | |
| Lubricating oils, composed wholly or in part of petroleum, and costing less than 25 cents per gallon | 3,813,543 | 712,850 | 5,180,614 | 956,341 |
| Lubricating oils, n.o.p. | 4,632,195 | 1,770,739 | 5,079,264 | 2,009,214 |
| OTHER OILS | | | | |
| Gasoline under .725 specific gravity at 60 degrees temperature gal. | 58,993,020 | 8,388,057 | 60,105,404 | 8,670,438 |
| Gasoline .725 specific gravity but not heavier than .770 specific gravity at 60 degrees temperature | 24,807,661 | 3,204,479 | 22,666,298 | 3,277,288 |
| Gasoline, n.o.p. | 37,070 | 7,093 | 67,986 | 11,069 |
| All other oils, n.o.p. | 204,633 | 109,348 | 215,337 | 132,120 |
| OTHER PRODUCTS OF PETROLEUM | | | | |
| Grease, axle | lb. 3,776,077 | 230,151 | 4,556,607 | 200,092 |
| Paraffine wax | lb. 1,601,505 | 124,234 | 1,946,005 | 141,241 |
| Paraffine wax candles | lb. 208,887 | 46,257 | 382,373 | 82,213 |
| Vaseline, and all similar preparations of petroleum for toilet, medicinal or other purposes | | 216,464 | | 205,463 |
| Petroleum, products of, n.o.p. gal. | 1,243,176 | 213,577 | 2,247,183 | 350,438 |
| Total petroleum and its products | | 43,842,427 | | 52,063,686 |
| STONE AND ITS PRODUCTS | | | | |
| ABRASIVES | | | | |
| Artificial abrasives in bulk, crushed or ground, when imported for use in the manufacture of abrasive wheels and polishing composition | | 123,651 | | 230,933 |
| Carborundum wheels or stones not further manufactured than moulded and burned | | | | 159,448 |
| Diamond dust or boron and black diamonds for borers | | 694,405 | | 963,141 |
| Emery in bulk, crushed or ground | | 52,356 | | 53,384 |
| Emery wheels and carborundum wheels, n.o.p. | | 198,432 | | 77,331 |
| Emery or carborundum, manufactures of, including carborundum stones, n.o.p. | | 56,775 | | 67,710 |
| Grindstones, not mounted, and not less than 36 inches in diameter. Grindstones, n.o.p. | | 641,369 | | 791,412 |
| Lunice and pumice stone, lava and calcareous tufa, not further manufactured than ground | | 19,983 | | 36,838 |
| Sand paper, glass, flint and emery paper or emery cloth | | 27,591 | | 32,005 |
| Burrstones in blocks, rough or unmanufactured, not bound up or prepared for binding into mill-stones | No | 58 | 3 | 450 |
| Total abrasives | | 2,123,178 | | 2,756,639 |
| BUILDING AND PAVING STONE | | | | |
| Building stone, other than marble or granite, sawn on more than two sides, but not sawn on more than four sides | 285 | 4,143 | 262 | 4,223 |
| Building stone other than marble or granite, planed, turned, cut or further manufactured than sawn on four sides | 231 | 7,917 | 591 | 28,561 |
| Flagstone, granite, rough sandstone, and all building stone, not humbered, sawn or chiselled | | 134,170 | | 187,055 |
| Flagstone and building stone, other than marble or granite, sawn on not more than two sides | | 97,875 | | 95,700 |
| Granite, sawn only | | 2,255 | | 6,180 |
| Granite, manufactures of, n.o.p. | | 158,611 | | 175,651 |
| Marble, rough, not humbered or chiselled | | 67,507 | | 91,039 |
| Marble, sawn or sand rubbed, not polished | | 174,029 | | 186,082 |
| Marble, manufactures of, n.o.p. | | 40,293 | | 101,748 |
| Refuse stone | 160,997 | 100,541 | 334,832 | 220,177 |
| Manufactures of stone, n.o.p. | | 37,045 | | 47,719 |
| Total building and paving stone | | 824,992 | | 1,144,614 |
| CEMENT AND ITS PRODUCTS | | | | |
| Portland cement | brl. 21,849 | 63,067 | 21,115 | 77,866 |
| Manufactures | | 13,753 | | 18,813 |
| Total cement and its products | | 76,820 | | 96,679 |

Table 14.—Imports into Canada of Non-Metallic Minerals and Their Products, 1925 and 1926—Concluded

| Commodity | 1925 | | 1926 | |
|--------------------------------------------------------------------------------------|-----------|--------------------|-----------|--------------------|
| | Quantity | Value \$ | Quantity | Value \$ |
| STONE AND ITS PRODUCTS—Concluded | | | | |
| LIME | | | | |
| Total lime..... ton | 4,700 | 47,639 | 3,868 | 42,855 |
| GYPSUM | | | | |
| Gypsum, crude (sulphate of lime)..... ton | 4,433 | 66,064 | 933 | 32,442 |
| Plaster of Paris or gypsum ground, not calcined..... ton | 119 | 3,858 | 209 | 6,846 |
| Plaster of Paris, encased and prepared wall plaster..... ton | 4,369 | 66,386 | 5,156 | 79,853 |
| Total gypsum..... ton | 8,921 | 136,308 | 6,298 | 119,141 |
| SLATE | | | | |
| Roofing..... square | 4,411 | 50,331 | 4,063 | 57,418 |
| School-writing..... | | 102,878 | | 92,766 |
| Pencils..... | | 4,810 | | 6,301 |
| All other..... | | 47,498 | | 61,597 |
| Total slate..... | | 205,507 | | 218,142 |
| OTHER STONE PRODUCTS | | | | |
| Chalk, China or Cornwall stone, cliff stone and mica schist, ground or unground..... | | 25,196 | | 26,333 |
| Chalk, prepared..... | | 107,805 | | 110,037 |
| Curling stones and handles therefor..... pair | 842 | 17,704 | 1,195 | 26,503 |
| Feldspar..... ton | 1,670 | 31,114 | 2,441 | 45,975 |
| Quartz— | | | | |
| Siliceous..... ton | 2,197 | 39,301 | 2,555 | 60,070 |
| Flint..... ton | 3,601 | 36,936 | 4,604 | 46,700 |
| Fluorspar..... ton | 5,111 | 60,458 | 9,908 | 97,482 |
| Gunite..... cwt. | 3,777 | 1,452 | 3,219 | 1,539 |
| Lithographic stones, not engraved..... | | 4,893 | | 3,348 |
| Magnesite..... ton | 111 | 4,528 | 151 | 6,740 |
| Phosphate rock..... ton | 14,002 | 62,107 | 14,244 | 65,607 |
| Sand, silica for glass, etc..... cwt. | 2,870,038 | 353,237 | 3,102,172 | 372,488 |
| Sand and gravel..... ton | 282,203 | 184,000 | 254,885 | 212,038 |
| Talc or soapstone, ground or unground..... cwt. | 91,351 | 91,288 | 84,262 | 89,026 |
| Whiting, gilder's whiting, and Paris white..... cwt. | 333,727 | 199,625 | 339,716 | 204,556 |
| Total other stone products..... | | 1,219,632 | | 1,369,347 |
| Total stone and its products..... | | 4,474,536 | | 2,990,778 |
| SALT | | | | |
| Fine, in bulk..... ton | 73,106 | 327,364 | 75,866 | 393,747 |
| In bags, barrels..... ton | 21,007 | 420,137 | 28,053 | 284,118 |
| All other..... ton | 80,405 | 329,820 | 84,283 | 358,729 |
| Total salt..... ton | 174,518 | 1,077,321 | 188,202 | 1,036,594 |
| OTHER NON-METALLICS | | | | |
| Barytes..... ton | 2,433 | 50,566 | 2,422 | 48,011 |
| Blust furnace slag..... ton | | 664 | 1,463 | 2,304 |
| Carbons over 3 inches in circumference and not exceeding 35 inches..... | | 829,122 | | 762,309 |
| Carbon electrodes over 35 inches in circumference..... | | 28,139 | | 258,508 |
| Carbons, electric light, and carbon points, of all kinds, n.o.p..... | | 49,846 | | 44,055 |
| Diamonds, unset..... | | 2,746,689 | | 3,035,724 |
| Earths, crude only..... | | 3,088 | | 1,394 |
| Foundry facings of all kinds..... | | 8,388 | | 14,443 |
| Fuller's earth, in bulk only..... | | 31,869 | | 53,992 |
| Gas for cooking, heating or illuminating, imported by pipe line..... M cu. ft. | 63,614 | 40,542 | 110,310 | 74,942 |
| Insulators, electric..... | | 527,156 | | 341,245 |
| Meerschaum, crude or raw..... lb. | | 69 | 3 | 36 |
| Mica and manufactures of, n.o.p..... | | 115,994 | | 137,347 |
| Brimestone or sulphur, crude, or in roll or flour..... ton | 137,709 | 1,982,788 | 184,126 | 2,945,651 |
| Mineral and bituminous substances, n.o.p..... | | 743,015 | | 872,548 |
| Total other non-metallics..... | | 7,157,925 | | 8,593,469 |
| Grand total | | 138,110,676 | | 152,687,995 |

Table 15.—Exports from Canada of Non-Metallic Minerals and Their Products, 1925 and 1926

| Commodity | 1925 | | 1926 | |
|-------------------------------------------------|-----------|-----------|------------|------------|
| | Quantity | Value | Quantity | Value |
| ASBESTOS | | | | |
| Asbestos..... ton | 136,750 | 8,090,106 | 141,760 | 8,669,810 |
| Sand and waste..... ton | 121,267 | 1,592,286 | 136,231 | 1,992,480 |
| Manufactures..... | | 55,572 | | 43,011 |
| Total..... | | 9,737,964 | | 10,705,301 |
| CLAY AND ITS PRODUCTS | | | | |
| Building brick..... M | 1,758 | 22,027 | 1,845 | 25,908 |
| Clay— | | | | |
| Unmanufactured..... cwt. | 7,325 | 8,496 | 14,537 | 3,898 |
| Manufactures..... | | 85,383 | | 61,523 |
| Earthenware..... | | 16,879 | | 12,764 |
| Porcelain insulators..... | | 88,033 | | 120,823 |
| Total..... | | 220,818 | | 224,916 |
| COAL AND ITS PRODUCTS | | | | |
| Coal..... ton | 785,910 | 4,329,173 | 1,028,200 | 5,739,436 |
| Cinders..... | | 13,003 | | 23,006 |
| Coke..... ton | 44,992 | 675,595 | 61,245 | 788,166 |
| Tar and pitch, coal..... gal. | 2,658,851 | 188,007 | 4,642,453 | 374,395 |
| Total..... | | 5,205,778 | | 6,925,003 |
| GLASS AND GLASSWARE | | | | |
| Glass for lighting..... | | 39,064 | | 18,058 |
| Glass and glassware, n.o.p..... | | 268,753 | | 196,838 |
| Total..... | | 307,817 | | 214,896 |
| GRAPHITE AND ITS PRODUCTS | | | | |
| Graphite or plumbago, crude or refined..... ton | 2,484 | 135,897 | 2,564 | 180,851 |
| MICA AND ITS PRODUCTS | | | | |
| Cobbed..... ton | 29 | 21,366 | 44 | 20,516 |
| Splittings..... ton | 230 | 324,967 | 316 | 432,345 |
| Scrap and waste..... ton | 4,991 | 63,931 | 3,770 | 45,297 |
| Plate and manufacture..... | | 1,046 | | 1,084 |
| Total..... | | 411,310 | | 499,242 |
| PETROLEUM AND ITS PRODUCTS | | | | |
| Oil, coal kerosene, crude..... gal. | 7,375,163 | 346,512 | 21,043,135 | 851,750 |
| Oil, coal and kerosene, refined..... gal. | 1,508,686 | 155,783 | 1,584,645 | 192,988 |
| Oil, gasoline and naphtha..... gal. | 1,568,955 | 333,330 | 3,867,536 | 773,958 |
| Oil, mineral, n.o.p..... gal. | 1,473,779 | 287,463 | 961,577 | 200,562 |
| Wax, mineral..... cwt. | 14,541 | 82,999 | 10,682 | 62,329 |
| Total..... | | 1,206,087 | | 2,081,587 |
| STONE AND ITS PRODUCTS | | | | |
| BUILDING AND PAVING STONE. | | | | |
| Crushed..... ton | 42,518 | 81,764 | 101,117 | 134,755 |
| Ornamental, rough ¹ ton | 3,430 | 36,552 | 3,553 | 38,828 |
| Building, rough ² ton | 4,166 | 14,389 | 2,853 | 3,915 |
| Dressed..... | | 5,687 | | 17,090 |
| Total..... | | 138,392 | | 194,588 |

¹Granite marble unwrought.²Freestone, limestone, etc., unwrought.

Table 15.—Exports from Canada of Non-Metallic Minerals and Their Products,
1925 and 1926—Concluded

| Commodity | 1925 | | 1926 | |
|-----------------------------------------------------|-----------|-------------------|-----------|-------------------|
| | Quantity | Value | Quantity | Value |
| STONE AND ITS PRODUCTS—Concluded | | | | |
| ABRASIVES | | | | |
| Grindstones, manufactured..... | | 61,429 | | 75,374 |
| Stone for the manufacture of grindstones..... ton | 93 | 794 | | |
| Abrasives— | | | | |
| Natural, n.o.p..... cwt. | 464 | 464 | 860 | 860 |
| Artificial, crude, including carborundum..... cwt. | 955,184 | 2,978,639 | 1,055,692 | 2,908,320 |
| Artificial, made up into wheels, stones, etc..... | | 32,030 | | 45,802 |
| Corundum..... | | 45 | | |
| Total..... | | 3,073,401 | | 3,030,356 |
| LIME, PLASTER AND CEMENT | | | | |
| Lime..... ton | 16,286 | 312,168 | 18,712 | 344,616 |
| Cement..... cwt. | 3,492,704 | 1,498,495 | 1,000,762 | 358,231 |
| Gypsum— | | | | |
| Crude..... ton | 533,646 | 861,488 | 608,064 | 1,060,123 |
| Ground..... ton | 5,643 | 87,242 | 10,062 | 137,785 |
| Total..... ton | 539,289 | 948,710 | 678,126 | 1,206,908 |
| Total lime, plaster and cement..... | | 2,750,373 | | 1,909,755 |
| OTHER STONE PRODUCTS | | | | |
| Feldspar..... ton | 28,659 | 209,164 | 33,016 | 251,551 |
| Magnesite calcined dead burned..... ton | 834 | 21,401 | 653 | 18,587 |
| Phosphate rock..... ton | 25 | 500 | 40 | 800 |
| Sand and gravel..... ton | 894,072 | 198,485 | 907,635 | 278,278 |
| Talc..... cwt. | 209,218 | 124,217 | 216,408 | 125,633 |
| Total other stone products..... | | 553,767 | | 675,849 |
| Total stone and its products..... | | 6,524,933 | | 5,810,548 |
| OTHER NON-METALLIC PRODUCTS | | | | |
| Carbon electrodes..... | | 155,349 | | 150,212 |
| Sulphur contained in pyrites..... ton | 13 | 150 | | |
| Salt..... cwt. | 46,470 | 26,678 | 23,291 | 19,423 |
| Other non-metallic minerals and their products..... | | 410,339 | | 283,304 |
| Total..... | | 592,516 | | 452,939 |
| Grand Total..... | | 24,343,120 | | 27,095,283 |

Table 16.—Wholesale Prices of Non-Metallics and Their Products, 1913 and 1922-1926

(Prepared in the Internal Trade Branch.)

| Commodity | Unit | 1913 | 1922 | 1923 | 1924 | 1925 | 1926 |
|--------------------------------------------------------------------------|----------------------------------------------------------|--------|-------|--------|--------|--------|--------|
| | | \$ | \$ | \$ | \$ | \$ | \$ |
| Bricks, face pressed No. 1..... | M f.o.b. plant..... | 16.08 | 28.56 | 30.40 | 30.40 | 30.40 | 30.40 |
| Bricks, common plastic..... | M f.o.b. plant..... | 10.00 | 15.20 | 15.88 | 16.63 | 16.62 | 16.62 |
| Pottery— | | | | | | | |
| Cups and saucers No. 1 quality, English earthenware from open stock..... | Dozen..... | 0.65 | 1.90 | 1.52 | 1.38 | 1.30 | 1.35 |
| Dinner sets, printed..... | Set of 97 pieces..... | 4.75 | 18.83 | 14.92 | 13.29 | 15.25 | 15.00 |
| Coal and its products— | | | | | | | |
| Coal, anthracite, egg..... | Ton f.o.b. Toronto... carload lots..... | 5.88 | 11.73 | 11.90 | 12.25 | 13.06 | 13.56 |
| Coal, domestic, run of mine..... | Small lots per net ton f.o.b. N.S..... | 2.75 | 6.08 | 6.25 | 6.25 | 6.25 | 6.08 |
| Coal, domestic, run of mine..... | Net ton exload lots f.o.b. mine, B.C..... | 2.58 | 5.72 | 5.69 | 5.45 | 4.35 | 4.27 |
| Coke..... | Net ton f.o.b. mines, B.C..... | 5.16 | 10.67 | 10.67 | 10.51 | 9.47 | 9.40 |
| Glass and its Products— | | | | | | | |
| Glass, window, star under 26 inches..... | Box, Toronto..... | 3.61 | 5.74 | 5.94 | 4.98 | 4.11 | 3.62 |
| Tumblers, tank glass, open stock..... | Gross..... | 4.00 | 5.82 | 4.53 | 4.70 | 4.77 | 4.55 |
| Petroleum and its Products— | | | | | | | |
| Coal oil, water white..... | Gallon f.o.b. Toronto..... | 0.1642 | 0.206 | 0.194 | 0.213 | 0.20 | 0.228 |
| Motor gasoline..... | Gallon f.o.b. Toronto..... | 0.25 | 0.327 | 0.2575 | 0.2525 | 0.2366 | 0.2533 |
| Lime and Cement— | | | | | | | |
| Lime high calcium, 95-97 per cent..... | Ton net f.o.b. works..... | 5.05 | 10.00 | 9.17 | 8.83 | 8.08 | 7.58 |
| Portland cement..... | Barrel of 350 pounds Montreal..... | 1.40 | 2.44 | 2.20 | 2.12 | 1.97 | 1.548 |
| Miscellaneous— | | | | | | | |
| Salt, fine..... | Barrel, 280 pounds net..... | 0.95 | 2.45 | 2.16 | 1.91 | 1.43 | 1.40 |
| Sulphur (crude brimstone)..... | Gross ton ex-vessel, Three Rivers or Montreal..... | 22.50 | 21.08 | 19.75 | 19.75 | 19.75 | 23.50 |

Table 17.—Index Numbers of Prices for Non-Metallic Minerals and their Products, 1914 and 1922-1926

(Average of 1913 prices = 100)

| Commodity | 1914 | 1922 | 1923 | 1924 | 1925 | 1926 |
|------------------------------------------------------|-------------|--------------|--------------|--------------|--------------|--------------|
| Clay products..... | | | | | | |
| Bricks, pressed, No. 1..... | 83.4 | 157.0 | 160.5 | 170.5 | 170.5 | 170.5 |
| Bricks, plastic, common..... | 92.9 | 170.9 | 170.9 | 182.3 | 182.3 | 182.3 |
| Bricks, plastic, common..... | 80.0 | 152.0 | 156.7 | 166.3 | 166.3 | 166.3 |
| Pottery..... | | | | | | |
| Cups and saucers, No. 1 quality..... | 100.8 | 391.0 | 309.0 | 276.0 | 315.3 | 330.1 |
| Dinner sets, printed..... | 115.4 | 292.3 | 233.8 | 212.8 | 209.6 | 207.7 |
| Dinner sets, printed..... | 100.0 | 396.6 | 314.0 | 279.8 | 321.1 | 336.8 |
| Coal and its products..... | | | | | | |
| Coal, anthracite, egg..... | 97.4 | 213.8 | 217.1 | 216.7 | 210.8 | 209.7 |
| Coal, anthracite, egg..... | 08.0 | 199.5 | 202.4 | 208.3 | 222.2 | 230.7 |
| Coal, run of mine..... | 100.0 | 221.1 | 227.3 | 227.3 | 227.3 | 221.2 |
| Coal, run of mine..... | 103.6 | 221.1 | 227.3 | 227.3 | 227.3 | 221.2 |
| Coal, run of mine..... | 96.9 | 221.4 | 220.3 | 210.0 | 168.6 | 165.2 |
| Coke..... | 88.3 | 206.7 | 206.7 | 203.6 | 183.5 | 182.1 |
| Glass and its products..... | | | | | | |
| Glass, window, star..... | 102.9 | 158.7 | 163.8 | 137.7 | 114.0 | 100.3 |
| Glass, window, star..... | 103.2 | 158.9 | 164.4 | 137.9 | 114.0 | 100.1 |
| Tumblers, tank glass..... | 75.0 | 145.5 | 113.1 | 117.5 | 119.4 | 113.8 |
| Petroleum and its products..... | | | | | | |
| Coal oil, W. W..... | 85.9 | 129.2 | 107.6 | 109.8 | 102.9 | 112.8 |
| Gasoline..... | 96.7 | 125.4 | 118.1 | 129.9 | 121.8 | 139.0 |
| Gasoline..... | 81.2 | 130.8 | 103.0 | 101.0 | 94.7 | 101.3 |
| Lime, plaster and cement..... | | | | | | |
| Lime, high calcium..... | 100.0 | 176.7 | 159.6 | 153.5 | 142.7 | 114.1 |
| Lime, high calcium..... | 100.0 | 193.0 | 181.6 | 175.0 | 160.1 | 150.2 |
| Cement, Portland..... | 100.0 | 174.3 | 157.1 | 151.1 | 140.7 | 110.0 |
| Miscellaneous non-metallic minerals..... | | | | | | |
| Salt, fine..... | 102.7 | 188.2 | 168.3 | 153.1 | 124.4 | 129.2 |
| Sulphur, refined..... | 104.7 | 257.0 | 227.6 | 190.8 | 151.3 | 147.4 |
| Sulphur, refined..... | 100.0 | 93.7 | 87.8 | 87.8 | 87.8 | 104.4 |
| Non-Metallic Minerals and Their Products..... | 94.5 | 188.4 | 183.8 | 183.4 | 176.6 | 176.1 |

CHAPTER TWO

AERATED WATERS.

Production from the aerated waters industry in Canada again showed a small increase in 1926 when it reached the value of \$7,406,504 as compared with corresponding values of \$6,877,524 in 1926 and \$6,354,358 in 1924. The number of plants in operation at 347 was the greatest on record and capital employed at \$10,695,527 also exceeded that reported in any other year although only slightly higher than the figure for 1925.

Going back over the summary figures since the inception of annual statistics in 1919, it may be shown that the industry now is recovering from a period of depression. In 1919, there were 320 plants in this line of work and production was worth \$7,366,759; and, in 1920, the 330 working plants produced commodities which sold for \$9,354,693, the highest value ever attained for the industry. In 1921, a slight recession occurred to \$9,176,868 and then, in 1922, there was a drastic decline to \$6,594,509 with only 283 factories in operation. For the next two years production was maintained at about the same rate, but, in 1925, a fair improvement was recorded to \$6,877,524 and, in 1926, there was a further gain to \$7,406,504 from a record number of plants.

The 347 plants in operation in 1926 were distributed by provinces as follows: Prince Edward Island, 1; Nova Scotia, 22; New Brunswick, 20; Quebec, 97; Ontario, 145; Manitoba, 12; Saskatchewan, 15; Alberta, 14; and British Columbia, 21. It is evident that the industry was centred in Ontario and Quebec as these 2 provinces accounted for 70 per cent of the operating plants and 74 per cent of the entire production. Quebec had the greatest output at \$2,777,310 from 97 plants, while Ontario had 145 plants and a production value of \$2,711,866.

With the exception of Saskatchewan and Alberta each province showed a gain in the number of plants over 1925. Ontario gained 14; Quebec, 9; British Columbia, 4; New Brunswick, 4; Nova Scotia, 2; and Manitoba, 2; while Alberta reported the same number and Saskatchewan 1 less than in 1925, giving a net increase of 34 factories for the year.

Although there was a substantial gain in the number of plants, the capital employed did not show a correspondingly large increase. The capital in 1926 was given at \$10,695,527 as compared with \$10,673,331 in 1925. The value of lands, buildings, etc., showed a gain of \$400,000 to \$6,926,413; the value of cash, trading and similar accounts was higher by \$116,000 at \$2,493,231; but the inventory of stocks on hand and in process was lower by half a million dollars at \$1,275,883, leaving only a net gain of \$22,196 over the figure for 1925. Quebec and New Brunswick were the only provinces to report a gain over the previous year. Ontario reported the highest capital at \$4,250,359 and Quebec was next at \$3,572,619.

The average number of employees in the aerated waters industry in 1926 was 1,691 of whom 652 or 39 per cent were employed in Quebec, 576 in Ontario, 93 in Manitoba, 80 in Saskatchewan, 80 in British Columbia, 79 in Alberta, 66 in New Brunswick and 65 in Nova Scotia and Prince Edward Island. Manitoba and Ontario were the only provinces to show a smaller number of employees for the year; the changes from 1925 were all very small. The number of salaried employees in the industry was 449 including 381 males and 68 females, and the total payments for salaries aggregated \$731,092; the average number of wage-earners was 1,242 including 1,169 males and 73 females and their remunerations summed up to \$1,148,229 over the yearly period. In 1925, the average number of employees was 1,684 including 382 salaried workers who received \$599,041 for salaries and 1,302 wage-earners who were paid \$1,250,213 for wages.

The seasonal trend of the industry is revealed in the records of the number of wage-earners working each month. In January, there were 945 wage-earners employed and by April the number had reached 1,084. Then a more rapid increase took place and in July the maximum of 1,635 was attained. Decline then set in and the number receded steadily to 1,024 in November and showed only a slight improvement to 1,042 in December. The average for the year was 1,242, this figure being computed by adding the average monthly operating strengths of the individual firms.

Most of the plants in this industry were small so the expenditures for fuel and electricity were not large, reaching only the sum of \$156,510 in 1926. Electricity alone cost \$42,326 while the fuel items included 5,609 tons of bituminous coal at a cost of \$40,363; 1,116 tons of anthracite at \$15,825; 114,273 gallons of gasoline at \$37,538, and other fuel, principally gas and wood, worth \$20,458. The total power employed was 2,225 h.p. from 686 units which included 47 primary engines and turbines rated at 258 h.p. and 639 electric motors run by purchased power and rated at 1,967 h.p.

Ingredients used in manufacturing beverages in 1926 cost \$2,289,678 and cases, bottles, labels, etc., were worth an additional \$763,799 bringing the total cost of materials used to \$3,053,477, as compared with \$3,076,563 in 1925. Separate information was not collected on the consumption of such materials as sugar, carbon dioxide, syrup, fruit juices, flavouring extracts, etc.; all were reported under the general item of "manufacturing materials used."

Products of the industry consisted largely of non-alcoholic soda water and other carbonated beverages which amounted in value to \$6,257,658. Natural mineral water, cider, syrups, fruit juices and other lesser products, brought the total value of the output to \$7,406,504 as against \$6,877,524 in 1925. The production of carbonated beverages alone was higher than in 1925 by about half a million dollars.

Imports into Canada of mineral and aerated waters reached a value of \$170,055 in 1926, while exports were worth \$47,597.

A large number of the plants in Canada making carbonated beverages in 1926 were only small concerns, many of which operated part time only while others employed only 1 or 2 persons. On the other hand, by persistent advertising and the excellence of their products, the firms which manufacture the more widely known and popular brands of soft drinks have built up an immense business and now maintain extensive factories in several different cities. The extent of the industry is indicated by the following analysis according to production values: 23 plants each had a production valued at less than \$1,000; the output value for each of 131 other concerns was below \$5,000; 65 more each reported an output valued at under \$10,000; 103 more each below \$50,000, and 14 more each under \$100,000. Only 2 plants reported outputs valued in excess of half a million dollars; 3 others each exceed the quarter million dollar mark; and 6 other establishments each produced beverages worth more than \$100,000. A large number of the plants in this industry are really only bottling works; they purchase flavours and extracts from manufacturers and then carbonate the water and add the flavouring. According to the average number of employees the firms were grouped as follows: only 1 or 2 employees, 186 plants; 3 to 10 workers, 130 plants; 11 to 25 hands, 21 establishments; 26 to 50 hands, 7 plants; over 50 employees, 3 plants.

Table 18.—Principal Statistics of the Aerated Waters Industry in Canada, 1922-1926

| Year | Number of plants | Capital employed | Number of employees | Salaries and wages | Cost of fuel and electricity | Cost of materials | Selling value of products | Value added by manufacturing |
|-----------|------------------|------------------|---------------------|--------------------|------------------------------|-------------------|---------------------------|------------------------------|
| | | \$ | | \$ | \$ | \$ | \$ | \$ |
| 1922..... | 283 | 8,205,457 | 1,537 | 1,803,304 | 88,707 | 2,705,957 | 6,594,509 | 3,888,552 |
| 1923..... | 295 | 8,315,389 | 1,724 | 1,843,531 | 98,807 | 2,672,332 | 6,408,832 | 3,736,500 |
| 1924..... | 296 | 9,385,802 | 1,543 | 1,807,572 | 131,609 | 1,982,340 | 6,354,358 | 4,372,018 |
| 1925..... | 313 | 10,673,331 | 1,684 | 1,849,254 | 145,500 | 3,076,563 | 6,877,524 | 3,800,961 |
| 1926..... | 347 | 10,695,527 | 1,991 | 1,879,321 | 156,510 | 3,053,477 | 7,406,504 | 4,353,927 |

Table 19.—Principal Statistics of the Aerated Waters Industry in Canada by Provinces, 1925-1926

| Province | 1925 | | | 1926 | | |
|-------------------------------------------|------------------|---------------------|---------------------------|------------------|---------------------|---------------------------|
| | Number of plants | Number of employees | Selling value of products | Number of plants | Number of employees | Selling value of products |
| Prince Edward Island and Nova Scotia..... | 21 | 94 | \$ 180,061 | 23 | 65 | \$ 177,432 |
| New Brunswick..... | 16 | 59 | 246,472 | 20 | 66 | 294,222 |
| Quebec..... | 88 | 648 | 2,592,501 | 97 | 652 | 2,777,310 |
| Ontario..... | 131 | 578 | 2,425,681 | 145 | 576 | 2,711,866 |
| Manitoba..... | 10 | 115 | 422,533 | 12 | 93 | 423,718 |
| Saskatchewan..... | 16 | 74 | 359,290 | 15 | 80 | 318,950 |
| Alberta..... | 14 | 70 | 342,165 | 14 | 79 | 369,887 |
| British Columbia..... | 17 | 70 | 308,821 | 21 | 80 | 333,113 |
| Canada..... | 313 | 1,684 | 6,877,524 | 347 | 1,691 | 7,466,564 |

Table 20.—Capital Employed in the Aerated Waters Industry in Canada, by Classes and by Provinces, 1925 and 1926

| Province | 1925 | | | | 1926 | | | |
|-------------------------------------------|-------------------------------------------------|-----------------------------------------|------------------------------------------------------------|-------------------|--------------------------------------------------|-----------------------------------------|------------------------------------------------------------|-------------------|
| | Capital employed as represented by | | | | Capital employed as represented by | | | |
| | Lands, buildings, fixtures, machinery and tools | Materials on hand and stocks in process | Cash, trading, and operating accounts and bills receivable | Total | Lands, buildings, fixtures, machinery, and tools | Materials on hand and stocks in process | Cash, trading, and operating accounts and bills receivable | Total |
| | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ |
| Prince Edward Island and Nova Scotia..... | 116,304 | 60,777 | 25,574 | 202,655 | 104,027 | 27,249 | 37,054 | 168,330 |
| New Brunswick..... | 106,320 | 64,369 | 79,276 | 249,965 | 151,529 | 54,505 | 108,236 | 314,270 |
| Quebec..... | 1,922,284 | 408,903 | 718,464 | 3,049,711 | 2,395,617 | 452,550 | 724,452 | 3,572,619 |
| Ontario..... | 2,557,469 | 509,811 | 1,244,051 | 4,311,131 | 2,473,788 | 461,678 | 1,314,995 | 4,250,359 |
| Manitoba..... | 790,490 | 189,626 | 40,180 | 1,020,296 | 740,402 | 25,606 | 25,438 | 791,536 |
| Saskatchewan..... | 337,536 | 146,881 | 69,175 | 553,592 | 358,234 | 67,917 | 51,765 | 477,916 |
| Alberta..... | 423,628 | 231,405 | 38,438 | 693,469 | 434,271 | 99,134 | 52,471 | 576,876 |
| British Columbia..... | 274,529 | 155,740 | 102,243 | 532,512 | 268,545 | 96,256 | 178,820 | 543,621 |
| Canada..... | 6,528,558 | 1,767,372 | 2,377,401 | 10,673,331 | 6,926,413 | 1,275,893 | 2,493,231 | 10,695,527 |

Table 21.—Employees, Salaries and Wages in the Aerated Waters Industry in Canada, by Provinces, 1925 and 1926

| Province | Average number of employees | | | | Salaries and wages | | | |
|-------------------------------------------|-----------------------------|-----------|--------------|-----------|--------------------|----------------|------------------|------------------|
| | Salaried employees | | Wage-earners | | Total | Salaries | Wages | Total |
| | Male | Female | Male | Female | | | | |
| | | | | | \$ | \$ | \$ | |
| 1925 | | | | | | | | |
| Prince Edward Island and Nova Scotia..... | 18 | 4 | 39 | 7 | 64 | 19,008 | 37,473 | 56,481 |
| New Brunswick..... | 6 | 4 | 45 | 1 | 56 | 10,031 | 43,540 | 53,614 |
| Quebec..... | 136 | 21 | 467 | 24 | 648 | 269,183 | 460,700 | 729,883 |
| Ontario..... | 93 | 22 | 430 | 33 | 578 | 173,008 | 433,262 | 605,360 |
| Manitoba..... | 20 | 3 | 89 | 3 | 115 | 32,807 | 90,478 | 132,285 |
| Saskatchewan..... | 16 | 2 | 52 | 4 | 74 | 24,633 | 59,570 | 84,203 |
| Alberta..... | 22 | 4 | 43 | 7 | 76 | 39,892 | 51,549 | 91,481 |
| British Columbia..... | 14 | 1 | 52 | 3 | 70 | 24,380 | 65,558 | 89,947 |
| Canada..... | 325 | 57 | 1,220 | 82 | 1,684 | 599,841 | 1,250,213 | 1,849,254 |
| 1926 | | | | | | | | |
| Prince Edward Island and Nova Scotia..... | 12 | 2 | 47 | 4 | 65 | 10,997 | 34,997 | 45,994 |
| New Brunswick..... | 16 | 3 | 45 | 2 | 66 | 24,428 | 39,806 | 64,234 |
| Quebec..... | 129 | 20 | 477 | 26 | 652 | 265,917 | 476,659 | 742,576 |
| Ontario..... | 132 | 29 | 392 | 23 | 576 | 259,315 | 371,160 | 630,475 |
| Manitoba..... | 28 | 5 | 60 | 3 | 93 | 52,645 | 62,187 | 114,832 |
| Saskatchewan..... | 23 | 2 | 50 | 5 | 80 | 40,997 | 53,770 | 94,767 |
| Alberta..... | 22 | 5 | 42 | 10 | 79 | 49,024 | 40,943 | 95,967 |
| British Columbia..... | 19 | 2 | 56 | 3 | 80 | 27,769 | 62,707 | 90,476 |
| Canada..... | 381 | 68 | 1,169 | 73 | 1,691 | 731,892 | 1,148,229 | 1,879,321 |

Table 22.—Wage-Earners Employed in the Aerated Waters Industry in Canada, by Months, 1925 and 1926

| Month | 1925 | | | 1926 | | |
|-----------------------|--------------|-----------|--------------|--------------|-----------|--------------|
| | Male | Female | Total | Male | Female | Total |
| January..... | 938 | 55 | 993 | 894 | 51 | 945 |
| February..... | 945 | 61 | 1,006 | 904 | 52 | 956 |
| March..... | 998 | 61 | 1,059 | 924 | 53 | 977 |
| April..... | 1,102 | 65 | 1,167 | 1,029 | 55 | 1,084 |
| May..... | 1,269 | 80 | 1,349 | 1,230 | 64 | 1,294 |
| June..... | 1,453 | 90 | 1,543 | 1,378 | 70 | 1,448 |
| July..... | 1,473 | 81 | 1,554 | 1,559 | 76 | 1,635 |
| August..... | 1,419 | 76 | 1,495 | 1,469 | 73 | 1,542 |
| September..... | 1,233 | 70 | 1,308 | 1,162 | 64 | 1,226 |
| October..... | 1,060 | 68 | 1,122 | 1,027 | 60 | 1,087 |
| November..... | 991 | 61 | 1,052 | 961 | 63 | 1,024 |
| December..... | 982 | 63 | 1,045 | 976 | 66 | 1,042 |
| Average* | 1,220 | 82 | 1,302 | 1,169 | 73 | 1,242 |

*See note on page 23.

Table 23.—Hours of Labour (in Month of Greatest Employment) in the Aerated Waters Industry in Canada, by Provinces, 1926

| Province | Average number of wage-earners working | | | | Hours worked per man per week when working | | | |
|-------------------------------------------|----------------------------------------|---------|----------|---------------|--------------------------------------------|---------|----------|---------------|
| | 8 hours or less per day | 9 hours | 10 hours | Over 10 hours | 8 hours or less per day | 9 hours | 10 hours | Over 10 hours |
| Prince Edward Island and Nova Scotia..... | 40 | 18 | 5 | ..... | 46 | 54 | 60 | ..... |
| New Brunswick..... | 10 | 37 | 1 | 4 | 46 | 54 | 60 | 65 |
| Quebec..... | 114 | 34 | 386 | 77 | 44 | 54 | 58 | 62 |
| Ontario..... | 182 | 269 | 104 | 84 | 46 | 54 | 60 | 61 |
| Manitoba..... | 19 | 21 | 18 | 31 | 44 | 54 | 57 | 62 |
| Saskatchewan..... | 22 | 27 | 14 | 17 | 48 | 54 | 60 | 60 |
| Alberta..... | 42 | 16 | 4 | 19 | 48 | 49 | 55 | 60 |
| British Columbia..... | 69 | 8 | ..... | 7 | 47 | 49 | ..... | 60 |

Table 24.—Fuel and Electricity Used in the Aerated Waters Industry in Canada 1925 and 1926

| Kind | Unit of measure | 1925 | | 1926 | |
|----------------------|-----------------|-----------|----------------|-----------|----------------|
| | | Quantity | Value | Quantity | Value |
| Anthracite coal..... | short ton | 1,187 | 18,253 | 1,116 | 15,825 |
| Bituminous coal..... | short ton | 4,544 | 39,239 | 5,609 | 40,363 |
| Lignite..... | short ton | 153 | 1,307 | 102 | 510 |
| Coke..... | short ton | 155 | 2,022 | 152 | 1,744 |
| Fuel oil..... | Imp. gal. | 9,278 | 2,372 | 14,343 | 3,294 |
| Gasoline..... | Imp. gal. | 97,207 | 27,601 | 114,273 | 37,538 |
| Gas..... | M cu. ft. | 13,454 | 7,513 | 11,391 | 7,136 |
| Wood..... | cord | 1,342 | 6,877 | 1,172 | 7,383 |
| Other fuel..... | | | 969 | | 391 |
| Electric power..... | k.w.h. | 1,486,104 | 39,353 | 1,521,809 | 42,326 |
| Total | | | 145,506 | | 156,510 |

Table 25.—Power Employed in the Aerated Waters Industry in Canada, 1925 and 1926

| Description | 1925 | | 1926 | |
|----------------------------------------------------------|-----------------|-----------------------------------------------|-----------------|-----------------------------------------------|
| | Number of units | Total h.p. according to manufacturers' rating | Number of units | Total h.p. according to manufacturers' rating |
| Steam engines and turbines | 16 | 223 | 16 | 180 |
| Gas engines | 12 | 35 | 7 | 22 |
| Oil and gasoline engines | 18 | 39 | 20 | 48 |
| Hydraulic turbines or water wheels | 6 | 12 | 4 | 8 |
| <i>Total primary power</i> | <i>52</i> | <i>309</i> | <i>47</i> | <i>258</i> |
| Electric motors run by purchased power | 550 | 1,683 | 639 | 1,967 |
| Total power employed | 602 | 1,992 | 686 | 2,225 |
| Electric motors run by primary power in same plant | 5 | 23 | | |
| <i>Total electric motors</i> | <i>555</i> | <i>1,706</i> | <i>639</i> | <i>1,967</i> |
| Boilers | 38 | 991 | 38 | 1,082 |

Table 26.—Materials Used in the Aerated Waters Industry in Canada, 1925 and 1926

| Material | Cost at works | |
|----------------------------------------------------------------------------------|------------------|------------------|
| | 1925 | 1926 |
| Manufacturing materials used | 2,150,739 | 2,280,878 |
| Boxes, barrels, bottles, packages, labels, etc., purchased during the year | 925,824 | 763,799 |
| Total | 3,076,563 | 3,044,677 |

Table 27.—Products of the Aerated Waters Industry in Canada, 1925 and 1926

| Product | Total selling value at works | |
|-----------------------------------------------------------------|------------------------------|------------------|
| | 1925 | 1926 |
| Cider | \$ 131,236 | \$ 80,277 |
| Natural mineral water (fortified or not) | 220,820 | 223,692 |
| Soda water and other carbonated beverages (non-alcoholic) | 5,731,217 | 6,257,658 |
| Syrups and fruit juices | 547,082 | 510,380 |
| All other products | 247,169 | 325,497 |
| Total | 6,877,524 | 7,406,504 |

Primary Production of Mineral Waters.—(From the Annual Report on the *Mineral Production of Canada, 1926*)—Mineral springs and wells in Canada produced 212,296 imperial gallons of mineral waters valued at \$29,475 during 1926. In the preceding year the marketed output reached a total of 190,134 imperial gallons worth \$28,413. The 1926 shipments were made up of 3,896 imperial gallons from Quebec and 208,400 imperial gallons from Ontario.

Table 28.—Production in Canada, Imports and Exports of Mineral Waters, 1925 and 1926

| Item | 1925 | | 1926 | |
|------------------------------------------|----------------|---------------|----------------|---------------|
| | Imp. gal. | Value | Imp. gals | Value |
| PRODUCTION, by provinces— | | \$ | | \$ |
| Quebec | 7,122 | 2,361 | 6,956 | 2,444 |
| Ontario | 183,012 | 25,452 | 208,400 | 27,377 |
| Total | 190,134 | 28,413 | 215,356 | 29,721 |
| IMPORTS—Mineral and aerated waters | | 186,513 | | 170,055 |
| EXPORTS—Mineral and aerated waters | | 12,402 | | 47,597 |

CHAPTER THREE

ASBESTOS AND ALLIED PRODUCTS

Manufacturers of asbestos and allied products in Canada during 1926 were valued at \$1,530,094, an increase of 14 per cent over the corresponding figure for 1925 which in turn was more than double the value shown for 1924. In 1926, there were 14 factories in Canada which were occupied with the manufacture of goods from asbestos or allied materials. Of these, 5 were in Ontario, 4 in Quebec, 3 in British Columbia, 1 in Manitoba and 1 in Nova Scotia. As compared with 1925, there was a gain of 2 small factories in British Columbia and 1 in Manitoba, while 1 concern in Ontario did not operate during the year. One plant in each of the provinces of Ontario, Manitoba and British Columbia manufactured magnesite stucco and flooring; the remaining concerns in the industry made asbestos brake lining, pipe covering, packings, etc.

During the last two years there has been a notable increase in the production of asbestos manufactures as compared with the previous years due to the opening, in 1925, of large new factories in Quebec which is the centre of the industry in Canada. According to the census records for 1919 there were only 5 plants in this industry and production was valued at \$546,870. In 1920, however, the number of factories had increased to 11 and the output value to \$940,072. A decline of 14 per cent occurred in 1921; a further decrease of 23 per cent was recorded in 1922 and again a drop of 5 per cent in 1923 to \$853,013. This latter figure was maintained in 1924, but, with the opening of new factories in 1925, the output was more than double and reached a value of \$1,344,097. A further increase of 14 per cent was reported in 1926.

Capital employed in this industry in 1926 was reported at \$2,773,433 of which \$1,893,133 was the value placed on lands, buildings, machinery and other fixed assets; \$518,009 represented the value of inventories of stocks on hand and in process, and \$362,291 was the value of the cash, trading and similar accounts. Investment in plants in Quebec was \$2,256,092 which was 23 per cent of the total for Canada. Ontario reported a substantial investment at \$464,608 but the capital tied up in the factories in the other provinces was comparatively small.

Including salaried employees and wage-earners the factories in this group employed an average of 270 people as compared with 256 in 1925 and 120 in 1924. The 57 salaried workers were paid \$117,600 during the year and the wages disbursed to 213 wage-earners totalled \$204,265. Employees in Quebec numbered 214; in Ontario, 43; in British Columbia, 5; and the other provinces, 8. By months the average number of employees increased from a minimum of 162 in January to a maximum of 256 in September, but then showed a steady decline to 190 in December. The average for the year at 213 was computed by adding together the average monthly operating strengths of the different plants. All but 4 plants operated on full time during the year.

The cost of fuel and electricity used in the factories during 1926 was \$64,288. Electric power consumption for 103 motors rated at 2,345 h.p. was 1,677,620 k.w.h. at a cost of \$28,280 while bituminous coal was by far the most important fuel used, the tonnage in 1926 being 5,136 tons at cost of \$31,215. Reports showed that there were no primary power units in operation and that all the electric motors were run by purchased power.

Materials used in manufacturing which cost \$750,907 consisted chiefly of asbestos fibre, asbestos cloth and yarn, asbestos paper, and bonding materials such as clays, silicates, asphalt, felt, etc. Products included asbestos lining, packing, pipe covering and building materials valued in the aggregate at \$1,530,094. Separate information on the output of asbestos paper, shingles and lumber cannot be printed as there were fewer than 3 producers in this line.

According to reports received asbestos brake linings were made in 3 plants, asbestos boiler and pipe covering in 4, asbestos lumber in 1, asbestos packing in 5, asbestos paper in 1, asbestos shingles in 2, and magnesite flooring and stucco in 3 different establishments.

Exports of asbestos from Canada during 1926 were valued at \$10,705,301, an increase of a million dollars over the figure for 1925. Of the total exports in 1926, however, only \$43,011 were in the form of manufactured articles as compared with a figure of \$55,572 in the previous year. Imports of manufactured asbestos products in 1926 totalled \$565,635, which was an increase of 26 per cent over the figure of \$448,769 in 1925. Imports of asbestos packing totalled 33 tons worth \$93,122 and other manufactures reached a value of \$472,513.

Table 29.—Principal Statistics of the Asbestos and Allied Products Industry in Canada, 1922-1926

| Year | Number of plants | Capital employed | Number of employees | Salaries and wages | Cost of fuel and electricity | Cost of materials | Selling value of products | Value added by manufacturing |
|-----------|------------------|------------------|---------------------|--------------------|------------------------------|-------------------|---------------------------|------------------------------|
| | | \$ | | \$ | \$ | \$ | \$ | \$ |
| 1922..... | 11 | 1,610,700 | 156 | 199,059 | 10,682 | 271,749 | 615,160 | 343,411 |
| 1923..... | 9 | 1,489,589 | 145 | 176,986 | 12,293 | 269,281 | 583,013 | 322,732 |
| 1924..... | 9 | 1,468,728 | 120 | 169,879 | 19,949 | 267,201 | 589,339 | 322,138 |
| 1925..... | 12 | 2,624,260 | 256 | 282,382 | 62,640 | 783,063 | 1,341,097 | 561,034 |
| 1926..... | 14 | 2,773,433 | 270 | 321,865 | 64,288 | 750,907 | 1,530,091 | 779,187 |

Table 30.—Principal Statistics of the Asbestos and Allied Products Industry in Canada, by Provinces, 1925 and 1926

| Province | 1925 | | | | 1926 | | | |
|-----------------------|------------------|---------------------|--------------------|---------------------------|------------------|---------------------|--------------------|---------------------------|
| | Number of plants | Number of employees | Salaries and wages | Selling value of products | Number of plants | Number of employees | Salaries and wages | Selling value of products |
| | | | \$ | \$ | | | \$ | \$ |
| Quebec..... | 4 | 199 | 202,915 | 922,641 | 4 | 214 | 238,775 | 1,149,464 |
| Ontario..... | 6 | 53 | 75,052 | 403,254 | 5 | 43 | 70,913 | 343,822 |
| British Columbia..... | | | | | 3 | 5 | 6,223 | 21,898 |
| Total* | 12 | 256 | 282,382 | 1,341,097 | 14 | 270 | 321,865 | 1,530,094 |

*Includes also data for 1 plant in each of the provinces of Nova Scotia and British Columbia in 1925 and data for 1 plant in each of the provinces of Manitoba and Nova Scotia in 1926.

Table 31—Capital Employed in the Asbestos and Allied Products Industry in Canada, by Classes and by Provinces, 1925 and 1926

| Province | 1925 | | | | 1926 | | | |
|-----------------------|-------------------------------------------------|-----------------------------------------|------------------------------------------------------------|------------------|-------------------------------------------------|------------------------------------------|------------------------------------------------------------|------------------|
| | Capital employed as represented by | | | | Capital employed as represented by | | | |
| | Lands, buildings, fixtures, machinery and tools | Materials on hand and stocks in process | Cash, trading, and operating accounts and bills receivable | Total | Lands, buildings, fixtures, machinery and tools | Materials on hand, and stocks in process | Cash, trading, and operating accounts and bills receivable | Total |
| | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ |
| Quebec..... | 1,588,521 | 341,754 | 142,379 | 2,072,654 | 1,621,823 | 367,717 | 266,552 | 2,256,092 |
| Ontario..... | 298,863 | 142,887 | 98,315 | 540,065 | 245,396 | 136,355 | 82,857 | 461,608 |
| British Columbia..... | | | | | 3,268 | 7,079 | 7,682 | 18,029 |
| Total* | 1,888,884 | 491,457 | 244,719 | 2,624,260 | 1,963,133 | 518,000 | 342,291 | 2,773,433 |

*See footnote to Table 30.

Table 32.—Employees, Salaries and Wages in the Asbestos and Allied Products Industry in Canada, by Provinces, 1925 and 1926

| Province | Average number of employees | | | | Salaries and wages | | | |
|-----------------------|-----------------------------|-----------|--------------|-----------|--------------------|----------------|----------------|----------------|
| | Salaried employees | | Wage-earners | | Total | Salaries | Wages | Total |
| | Male | Female | Male | Female | | | | |
| | | | | | \$ | \$ | \$ | |
| 1925 | | | | | | | | |
| Quebec..... | 30 | 5 | 143 | 21 | 199 | 62,153 | 140,762 | 202,915 |
| Ontario..... | 17 | 7 | 25 | 4 | 53 | 49,535 | 28,517 | 75,052 |
| Total* | 48 | 12 | 170 | 26 | 256 | 110,488 | 171,894 | 282,382 |
| 1926 | | | | | | | | |
| Quebec..... | 28 | 5 | 100 | 21 | 214 | 70,842 | 167,933 | 238,775 |
| Ontario..... | 14 | 6 | 21 | 2 | 43 | 40,828 | 30,085 | 70,913 |
| British Columbia..... | 2 | | 3 | | 5 | 2,930 | 3,293 | 6,223 |
| Total* | 46 | 11 | 159 | 24 | 270 | 117,600 | 204,265 | 321,865 |

*See footnote to Table 30.

Table 33.—Wage-Earners Employed in the Asbestos and Allied Products Industry in Canada, by Months, 1925 and 1926

| Month | 1925 | | | 1926 | | |
|-----------------------|------------|-----------|------------|------------|-----------|------------|
| | Male | Female | Total | Male | Female | Total |
| January..... | 152 | 25 | 177 | 146 | 16 | 162 |
| February..... | 148 | 26 | 174 | 156 | 18 | 174 |
| March..... | 161 | 26 | 187 | 167 | 23 | 190 |
| April..... | 159 | 26 | 185 | 185 | 21 | 206 |
| May..... | 172 | 26 | 198 | 182 | 26 | 208 |
| June..... | 180 | 26 | 206 | 194 | 26 | 220 |
| July..... | 186 | 26 | 212 | 207 | 26 | 233 |
| August..... | 194 | 27 | 221 | 215 | 27 | 242 |
| September..... | 175 | 25 | 200 | 228 | 28 | 256 |
| October..... | 161 | 25 | 186 | 221 | 26 | 247 |
| November..... | 172 | 27 | 199 | 186 | 27 | 213 |
| December..... | 158 | 26 | 184 | 167 | 23 | 190 |
| Average* | 170 | 26 | 196 | 180 | 24 | 213 |

*See note on page 23.

Table 34.—Hours of Labour (In Month of Greatest Employment) in the Asbestos and Allied Products Industry in Canada, by Provinces, 1926

| Province | Average number of wage-earners working | | | | Hours worked per man per week when working | | | |
|-----------------------|----------------------------------------|---------|----------|---------------|--------------------------------------------|---------|----------|---------------|
| | 8 hours or less per day | 9 hours | 10 hours | Over 10 hours | 8 hours or less per day | 9 hours | 10 hours | Over 10 hours |
| Nova Scotia..... | 4 | | | | 45 | | | |
| Quebec..... | 1 | 2 | 227 | | 45 | 50 | 58 | |
| Ontario..... | 8 | 25 | 7 | | 44 | 48 | 58 | |
| Manitoba..... | | 4 | | | | 54 | | |
| British Columbia..... | 6 | | | | 44 | | | |

Table 35.—Fuel and Electricity Used in the Asbestos and Allied Products Industry in Canada, 1925 and 1926

| Kind | Unit of measure | 1925 | | 1926 | |
|----------------------|-----------------|-----------|---------------|-----------|---------------|
| | | Quantity | Value | Quantity | Value |
| | | No. | \$ | No. | \$ |
| Anthracite coal..... | short ton | 83 | 732 | 93 | 729 |
| Bituminous coal..... | short ton | 4,599 | 28,530 | 5,136 | 31,215 |
| Fuel oil..... | Imp. gal. | 36,900 | 3,622 | 43,770 | 3,534 |
| Gasoline..... | Imp. gal. | | | 140 | 39 |
| Gas..... | M cu. ft. | | | 270 | 396 |
| Wood..... | cord | 5 | 35 | 17 | 83 |
| Other fuel..... | | | | | 12 |
| Electric power..... | k.w.h. | 1,641,275 | 29,724 | 1,677,620 | 28,280 |
| Total | | | 62,640 | | 64,288 |

Table 36.—Power Employed in the Asbestos and Allied Products Industry in Canada, 1925 and 1926

| Description | 1925 | | 1926 | |
|---------------------------------------------|-----------------|-----------------------------------------------|-----------------|-----------------------------------------------|
| | Number of units | Total h.p. according to manufacturers' rating | Number of units | Total h.p. according to manufacturers' rating |
| Electric motors run by purchased power..... | 103 | 2,304 | 103 | 2,345 |
| Total power employed | 103 | 2,304 | 103 | 2,345 |
| <i>Total electric motors</i> | <i>103</i> | <i>2,304</i> | <i>103</i> | <i>2,345</i> |
| Boilers..... | 6 | 764 | 7 | 766 |

Table 37.—Materials Used in the Asbestos and Allied Products Industry in Canada, 1925 and 1926

| Item | Unit of measure | 1925 | | 1926 | |
|-----------------------------------------|-----------------|----------|----------------|------------|----------------|
| | | Quantity | Value | Quantity | Value |
| | | | \$ | | \$ |
| Asbestos yarn | lb. | | | 174,038 | 65,627 |
| Asbestos cloth | yd. | | | 17,776 | 6,840 |
| Asbestos, crude | lb. | | 258,401 | 10,731,840 | 169,349 |
| Asbestos paper, corrugated and plain | | | | | 9,640 |
| Clay | cwt. | 2,500 | 1,009 | 2,580 | 1,293 |
| Cotton cloth and yarn | lb. | 19,096 | 6,825 | | 32,771 |
| Cement | cwt. | 20,460 | 10,652 | 26,138 | 28,131 |
| Magnesite | lb. | 160,000 | 4,045 | 251,125 | 6,385 |
| Felt | lb. | 2,059 | 2,900 | 42,870 | 6,033 |
| Rubber | lb. | 25,559 | 8,345 | 27,004 | 9,143 |
| Gasoline, benzol, toluol, alcohol, etc. | gal. | 18,744 | 8,139 | 15,303 | 6,742 |
| Sand | ton | 942 | 6,837 | 508 | 4,160 |
| Colours | lb. | 52,300 | 4,845 | 57,200 | 5,080 |
| Containers, boxes, etc. | | | 5,896 | | 1,216 |
| All other materials | | | 465,169 | | 398,497 |
| Total | | | 783,063 | | 750,997 |

Table 38.—Products of the Asbestos and Allied Products Industry in Canada, 1925 and 1926

| | Unit of measure | 1925 | | 1926 | |
|-----------------------------------|-----------------|-----------|------------------|-----------|------------------|
| | | Quantity | Value | Quantity | Value |
| | | | \$ | | \$ |
| Asbestos brake lining | ft. | 1,636,355 | 272,217 | 1,660,550 | 279,783 |
| Asbestos packing of all kinds | | | 187,916 | | 184,515 |
| Asbestos pipe and boiler covering | | | 170,717 | | 232,903 |
| All other products* | | | 704,247 | | 832,833 |
| Total | | | 1,344,097 | | 1,530,034 |

*Includes composition flooring, boiler cleaners, asbestos shingles, millboard, paper, corrugated sheathings, asbestos building lumber, blackboards and magnesite stucco.

Primary Production of Asbestos.—(From the Annual Report on the *Mineral Production of Canada*, 1926.)—Asbestos production in Canada during 1926 reached the grand total of 279,403 tons with a valuation of \$10,099,423; an average value of \$36.15 per ton. In 1925, the shipments (exclusive of sand and gravel) amounted to 273,524 tons at \$8,977,546, or an average value of \$32.82 per ton.

Asbestos rock mined during 1926 totalled 4,483,375 tons, of which quantity 4,002,626 tons were handled by the mills.

Production of asbestos in South Africa and Cyprus increased in 1926; the former country shipping 14,096 tons and the latter 6,941 tons. The Rhodesian output declined from 34,349 tons in 1925 to 33,344 tons in 1926. Mine operators in the United States shipped 1,358 tons during the year under review.

Canada's deposits of asbestos continue to supply by far the greater part of the world's needs of this very important mineral. Situated in the province of Quebec, about equally distant from the cities of Montreal and Quebec, the asbestos mines provide the principal industry in an area represented by five towns which have grown up about the mines. Mining or quarrying is done mostly in large pits. Veins of chrysotile asbestos run in every direction through the rock and hand-cobbing is used to sort out the larger samples. Mechanical crushing, drying and screening are used extensively in the further treatment. Some 50 to 75 tons of asbestos are commonly obtained in the handling of 1,000 tons of rock.

Table 39.—Output and Shipments of Canadian Asbestos, 1925 and 1926

| Classification | 1925 | | | | 1926 | | | |
|---------------------------------------------|----------------|-----------------|---------------------------|-----------------------|----------------|-----------------|---------------------------|-----------------------|
| | Total output | Sold or shipped | | | Total output | Sold or shipped | | |
| | | Quantity | Total sales value at mill | Average value per ton | | Quantity | Total sales value at mill | Average value per ton |
| | tons | tons | \$ | \$ cts | tons | tons | \$ | \$ cts. |
| Crude No. 1..... | 806 | 1,046 | 381,926 | 365 13 | 842 | 1,108 | 410,373 | 370 37 |
| Crude No. 2..... | 2,701 | 3,777 | 778,895 | 206 22 | 2,952 | 3,494 | 802,304 | 229 62 |
| Other crudes..... | 260 | 348 | 49,030 | 140 90 | 328 | 446 | 82,394 | 207 16 |
| Spinning stocks..... | 13,509 | 16,070 | 1,710,379 | 106 43 | 13,839 | 15,182 | 1,885,835 | 124 21 |
| Shingle stocks..... | 25,301 | 30,010 | 1,523,980 | 50 78 | 39,678 | 36,497 | 2,139,780 | 58 62 |
| Mill board and paper stocks..... | 94,350 | 93,935 | 2,915,046 | 31 03 | 101,293 | 86,746 | 2,940,675 | 33 89 |
| Fillers, floats and other short fibres..... | 128,382 | 128,338 | 1,618,290 | 12 61 | 141,272 | 135,930 | 1,828,061 | 13 44 |
| Total..... | 265,309 | 273,524 | 8,977,546 | 32 82 | 300,204 | 279,403 | 10,009,423 | 36 15 |
| Sand and gravel*..... | 16,409 | 16,865 | 10,814 | 0 64 | 15,672 | 15,672 | 10,257 | 0 65 |
| Grand total..... | 281,718 | 290,389 | 8,988,360 | 30 95 | 315,876 | 295,075 | 10,109,680 | |

*In 1926 this production has been included under the "Sand and Gravel Industry."

Table 40.—Imports into Canada and Exports of Asbestos, 1925 and 1926

| | 1925 | | 1926 | |
|---------------------------------------------------------------------------|---------|------------------|---------|-------------------|
| | Tons | \$ | Tons | \$ |
| IMPORTS— | | | | |
| Asbestos in any form other than crude, and all manufactures of n.o.p..... | | 350,600 | | 472,513 |
| Asbestos packing..... | 111 | 98,169 | 93 | 93,122 |
| Total..... | | 448,769 | | 565,635 |
| EXPORTS— | | | | |
| Asbestos..... ton | 136,750 | 8,090,106 | 141,760 | 8,669,810 |
| Asbestos sand and waste..... ton | 121,267 | 1,592,286 | 136,231 | 1,992,480 |
| Asbestos manufactures including asbestos roofing..... | | 55,572 | | 43,011 |
| Total..... | | 9,737,964 | | 10,705,301 |

Table 41.—Exports of Canadian Asbestos by Countries of Destination, 1925 and 1926

| Commodity and Destination | 1925 | | 1926 | |
|----------------------------------------------------------|----------------|------------------|----------------|------------------|
| | Tons | Value | Tons | Value |
| ASBESTOS— | | \$ | | \$ |
| Great Britain..... | 6,846 | 608,774 | 7,710 | 575,866 |
| United States..... | 94,292 | 4,979,303 | 92,897 | 5,295,168 |
| Australia..... | 1,360 | 94,272 | 1,605 | 116,250 |
| Belgium..... | 6,002 | 370,530 | 10,033 | 628,981 |
| France..... | 5,484 | 438,195 | 6,860 | 481,145 |
| Germany..... | 8,947 | 737,802 | 12,537 | 900,104 |
| Italy..... | 3,730 | 290,263 | 3,671 | 242,482 |
| Japan..... | 7,127 | 373,312 | 4,518 | 250,714 |
| Netherlands..... | 2,707 | 212,855 | 1,723 | 167,050 |
| Spain..... | 150 | 7,800 | | |
| Other countries..... | 125 | 7,000 | 206 | 12,050 |
| Total..... | 136,750 | 8,090,106 | 141,760 | 8,669,810 |
| SAND AND WASTE— | | | | |
| Great Britain..... | 1,863 | 34,490 | 1,594 | 35,767 |
| United States..... | 115,587 | 1,490,341 | 131,437 | 1,889,003 |
| Other countries..... | 3,817 | 67,455 | 3,200 | 67,710 |
| Total..... | 121,267 | 1,592,286 | 136,231 | 1,992,480 |
| ASBESTOS MANUFACTURES INCLUDING ASBESTOS ROOFING— | | | | |
| Great Britain..... | | 272 | | 4,793 |
| United States..... | | 32,443 | | 19,118 |
| British South Africa..... | | 5,855 | | |
| France..... | | 205 | | |
| New Zealand..... | | 31 | | 1,247 |
| Other countries..... | | 10,766 | | 17,853 |
| Total..... | | 55,572 | | 43,011 |

CHAPTER FOUR

CEMENT.

Portland cement was manufactured in Canada during 1926 by 7 different companies which operated 12 plants distributed by provinces as follows: Quebec, 4; Ontario, 3; Manitoba, 2; Alberta, 2; and British Columbia, 1. The total capacity of these establishments was 34,935 barrels of cement per day.

Production of Portland cement in 1926 advanced to a new high record for the industry when shipments amounted to 8,707,021 barrels as compared with 8,116,597 barrels in 1925 and 8,658,-805 barrels manufactured in 1913 when the former record mill output was attained. But the value for 1926 at \$13,013,283 was a million dollars below the figure for 1925 and the lowest recorded since 1919.

In 1926, Quebec produced more cement than any other province with a sales total of 3,727,377 barrels; Ontario mills came next with 3,398,860 barrels; sales in Manitoba were 50 per cent higher than in 1925 and amounted to 612,155 barrels; British Columbia reported an appreciable advance to 544,863 barrels; and Alberta mills increased their output by 7 per cent to 423,766 barrels. Puzzolan cement made from blast furnace slag was formerly produced in Nova Scotia but none has been made in recent years.

The average selling price of cement in 1926 per barrel, f.o.b. plant, was as follows: Quebec, \$1.22; Ontario, \$1.41; Manitoba, \$2.57; Alberta, \$2.06; and British Columbia, \$2.27.

Capital employed in the operating plants in 1926 amounted to \$41,380,000 of which \$35,368,-100 or 87 per cent was invested in lands, buildings and plant machinery and tools. The total capital was over 3 million dollars above the figure for 1925 and the value of lands, etc., was higher by nearly 2 million dollars. Information on the distribution of stock and securities has not been collected since 1921 but in that year approximately 86.5 per cent of all outstanding securities were owned in Canada; 10.6 per cent in Great Britain; 1.9 per cent in United States and the balance in other countries.

On the average, the manufacture of cement in 1926 gave work to 2,340 people of whom 124 were on a salaried basis and 2,216 were paid at hourly or daily rates as compared with 105 salaried employees and 1,821 wage-earners or a total of 1,926 workers in 1925. Payments for salaries and wages in 1926 totalled \$3,052,662 as against \$2,511,400 in 1925.

Figures on the number of wage-earners employed each month indicate quite a seasonal trend. Beginning with 1,723 in January the number increased steadily to 2,483 in May; this number was maintained in June but thereafter declined each month to 1,996 in December. The variation between the lowest and highest figures was 760 or about 67 per cent.

Mill power was obtained from 16 primary power units rated at 701 h.p. and 1,122 electric motors with a total rating of 65,800 h.p. which were run by purchased power. Power equipment also included 44 electric motors rated at 1,900 h.p. which were run by power generated from the primary units in the various plants. There were installed, also, 8 boilers rated at 2,302 b.h.p.

Bituminous coal was the principal fuel used and the consumption in 1926 amounted to 504,577 tons worth \$2,664,760 at the plants. Consumption of electric power totalled 169,280,187 k.w.h. at a cost of \$748,994. Other fuel of all kinds cost only \$10,402.

Information on the cost of materials entering the cement mills was not collected as all the manufacturers owned and operated their properties to produce the clay, limestone, silica and other materials required; these materials were delivered to the cement mills at cost.

Imports of portland cement into Canada during 1926 amounted to 21,114 barrels valued at \$77,866. The average value of the imported cement in 1926 was \$3.68 per barrel as compared with a unit price of \$2.89 in 1925. Exports of cement in 1926 were recorded at 285,932 barrels invoiced at \$358,231. The apparent consumption of cement in Canada during 1926 was 8,442,203 barrels.

Table 42.—Principal Statistics of the Cement Industry in Canada, 1922-1926

| Year | Number of plants | Capital employed | Number of employees | Salaries and wages | Cost of fuel and electricity | Miscellaneous expenses | Selling value of products |
|------|------------------|------------------|---------------------|--------------------|------------------------------|------------------------|---------------------------|
| 1922 | 11 | \$ 41,573,737 | 1,753 | 2,315,240 | *2,457,456 | 2,976,152 | \$ 15,438,481 |
| 1923 | 10 | 38,284,494 | 1,842 | 2,551,784 | 2,809,414 | 2,947,242 | 15,064,661 |
| 1924 | 10 | 36,766,574 | 1,837 | 2,531,022 | 2,872,711 | 1,524,158 | 13,398,411 |
| 1925 | 11 | 38,081,583 | 1,926 | 2,511,400 | 2,848,904 | 1,177,103 | 14,046,704 |
| 1926 | 12 | 41,380,000 | 2,340 | 3,052,662 | 3,424,156 | (a) | 13,013,283 |

*Electricity not included. (a) Data not available.

Table 43.—Capital Employed in the Cement Industry in Canada, by Classes, 1922-1926

| Year | Cost of lands, buildings, plant, machinery and tools | Cost of supplies and stock on hand | Cash, trading and operating accounts and bills receivable | Total |
|------|------------------------------------------------------|------------------------------------|-----------------------------------------------------------|---------------|
| 1922 | \$ 35,930,486 | 2,920,895 | 2,722,856 | \$ 41,573,737 |
| 1923 | 33,922,549 | 2,331,641 | 1,430,304 | 38,284,494 |
| 1924 | 32,467,170 | 2,897,251 | 1,402,152 | 36,766,574 |
| 1925 | 33,545,100 | 2,857,507 | 1,678,976 | 38,081,583 |
| 1926 | 35,368,100 | 3,235,136 | 2,776,764 | 41,380,000 |

Table 44.—Employees, Salaries and Wages in the Cement Industry in Canada, 1922-1926

| Year | Average number of employees | | | | Salaries and wages | | | |
|------|-----------------------------|--------|--------------|--------|--------------------|----------|-----------|--------------|
| | Salaried employees | | Wage-earners | | Total | Salaries | Wages | Total |
| | Male | Female | Male | Female | | | | |
| 1922 | 102 | 7 | 1,604 | 40 | 1,753 | 217,458 | 2,097,782 | \$ 2,315,240 |
| 1923 | 103 | 9 | 1,684 | 46 | 1,842 | 195,748 | 2,354,036 | 2,551,784 |
| 1924 | 89 | 8 | 1,691 | 49 | 1,837 | 205,994 | 2,325,638 | 2,531,022 |
| 1925 | 97 | 8 | 1,782 | 39 | 1,926 | 213,666 | 2,297,734 | 2,511,400 |
| 1926 | 114 | 10 | 2,216 | ..... | 2,340 | 272,770 | 2,770,892 | 3,052,662 |

Table 45.—Wage-Earners Employed in the Cement Industry in Canada, by Months, 1925 and 1926

| Month | 1925 | 1926 | Month | 1925 | 1926 |
|------------------|-------|-------|-----------|-------|-------|
| January | 1,142 | 1,723 | July | 1,932 | 2,417 |
| February | 1,348 | 1,886 | August | 2,000 | 2,377 |
| March | 1,542 | 1,979 | September | 2,030 | 2,287 |
| April | 1,658 | 2,178 | October | 1,849 | 2,149 |
| May | 1,704 | 2,483 | November | 1,739 | 2,136 |
| June | 1,897 | 2,478 | December | 1,571 | 1,996 |
| Average for 1925 | ..... | ..... | ..... | 1,821 | ..... |
| Average for 1926 | ..... | ..... | ..... | ..... | 2,216 |

Table 46.—Fuel and Electricity Used in the Cement Industry in Canada, 1925 and 1926

| Kind | Unit of measure | 1925 | | 1926 | |
|-----------------|-----------------|-------------|------------------|-------------|------------------|
| | | Quantity | Cost at works | Quantity | Cost at works |
| Anthracite coal | short ton | ..... | \$ 441 | ..... | \$ 2,016 |
| Bituminous coal | short ton | 426,482 | 2,227,593 | 504,577 | 2,664,760 |
| Coke | short ton | ..... | 49 | ..... | 548 |
| Gasoline | imp. gal. | 6,082 | 1,472 | 8,559 | 2,220 |
| Fuel oil | imp. gal. | ..... | 225 | ..... | 54 |
| Gas | M cu. ft. | ..... | 9,274 | ..... | 5,564 |
| Electric power | k. w. h. | 131,143,391 | 610,839 | 169,280,187 | 748,994 |
| Total | ..... | ..... | 2,848,904 | ..... | 3,424,156 |

Table 47.—Power Employed in the Cement Industry in Canada, 1925 and 1926

| Description | 1925 | | 1926 | |
|----------------------------------------------------|-----------------|-----------------------------------------------|-----------------|-----------------------------------------------|
| | Number of units | Total h.p. according to manufacturers' rating | Number of units | Total h.p. according to manufacturers' rating |
| Steam engines and turbines | 4 | 2,386 | 5 | 418 |
| Gas engines | 4 | 120 | 2 | 40 |
| Oil and gasoline engines | 9 | 214 | 9 | 243 |
| Hydraulic turbines or water wheels | 6 | 700 | | |
| <i>Total primary power</i> | <i>23</i> | <i>3,420</i> | <i>16</i> | <i>701</i> |
| Electric motors run by purchased power | 838 | 47,107 | 1,122 | 65,800 |
| Total power employed | 861 | 50,527 | 1,138 | 66,501 |
| Electric motors run by primary power in same plant | 129 | 5,536 | 44 | 1,900 |
| <i>Total electric motors</i> | <i>990</i> | <i>55,063</i> | <i>1,182</i> | <i>68,401</i> |
| Boilers | 16 | 2,577 | 8 | 2,302 |

Table 48.—Production in Canada, Imports, Exports and Apparent Consumption of Cement, 1925 and 1926

| | 1925 | | 1926 | |
|----------------------|-----------|------------|-----------|------------|
| | Barrels | Value | Barrels | Value |
| Output | 7,869,946 | \$ | 9,041,411 | \$ |
| Sold or used | 8,116,597 | 14,046,704 | 8,707,021 | 13,013,283 |
| Stocks, December 31 | 1,274,933 | | 1,609,313 | |
| Imports— | | | | |
| Portland | 21,849 | 63,067 | 21,114 | 77,866 |
| Manufactures | | 13,753 | | 18,813 |
| Exports | 997,915 | 1,498,495 | 285,932 | 358,231 |
| Apparent consumption | 7,140,531 | | 8,442,203 | |

Table 49.—Sales of Cement in Canada by Provinces, 1925 and 1926

| Province | 1925 | | 1926 | |
|------------------|------------------|-------------------|------------------|-------------------|
| | Barrels | Value | Barrels | Value |
| | | \$ | | \$ |
| Quebec | 3,365,802 | 5,689,991 | 3,727,377 | 4,535,386 |
| Ontario | 3,402,358 | 5,253,911 | 3,398,800 | 4,792,857 |
| Manitoba | 407,395 | 1,937,929 | 912,155 | 1,572,401 |
| Alberta | 395,857 | 3,153,529 | 423,767 | 873,021 |
| British Columbia | 485,185 | 1,151,344 | 344,863 | 1,239,018 |
| Canada | 8,116,597 | 14,046,704 | 8,707,021 | 13,013,283 |

Table 50.—Production of Cement in Canada, 1887-1926

| Year | Barrels | Value | Year | Barrels | Value | Year | Barrels | Value |
|------|---------|---------|------|-----------|------------|--------------|--------------------|--------------------|
| | | \$ | | | \$ | | | \$ |
| 1887 | 60,843 | 81,909 | 1901 | 450,394 | 660,030 | 1914 | 7,172,480 | 9,187,024 |
| 1888 | 50,688 | 35,503 | 1902 | 722,525 | 1,127,550 | 1915 | 5,681,032 | 6,077,024 |
| 1889 | 90,474 | 69,700 | 1903 | 719,993 | 1,225,247 | 1916 | 5,369,590 | 6,547,728 |
| 1890 | 102,216 | 92,405 | 1904 | 967,172 | 1,338,239 | 1917 | 4,768,488 | 7,724,246 |
| 1891 | 93,479 | 108,561 | 1905 | 1,360,732 | 1,924,014 | 1918 | 3,591,481 | 7,076,503 |
| 1892 | 117,408 | 147,663 | 1906 | 2,128,374 | 3,170,859 | 1919 | 4,095,257 | 9,802,433 |
| 1893 | 158,597 | 194,015 | 1907 | 2,441,868 | 3,781,371 | 1920 | 6,051,980 | 14,798,070 |
| 1894 | 108,142 | 144,637 | 1908 | 2,666,333 | 3,799,954 | 1921 | 3,752,885 | 14,195,143 |
| 1895 | 128,294 | 173,675 | 1909 | 4,067,709 | 5,345,802 | 1922 | 6,043,972 | 15,438,481 |
| 1896 | 149,090 | 201,651 | 1910 | 4,753,975 | 6,412,215 | 1923 | 7,543,529 | 15,064,091 |
| 1897 | 205,213 | 275,273 | 1911 | 5,692,915 | 7,644,937 | 1924 | 7,499,624 | 13,398,411 |
| 1898 | 250,209 | 397,580 | 1912 | 7,132,732 | 9,106,556 | 1925 | 8,116,597 | 14,046,704 |
| 1899 | 396,753 | 833,291 | 1913 | 8,658,805 | 11,019,448 | 1926 | 8,707,021 | 13,013,283 |
| 1900 | 417,552 | 662,910 | | | | | | |
| | | | | | | Total | 136,894,431 | 296,955,756 |

CHAPTER FIVE

CEMENT PRODUCTS.

In 1926 there was an increase of half a million dollars in the value of cement products made in Canada when the total output value amounted to \$2,544,242 as compared with \$2,020,239 in 1925 and \$1,257,871 in 1924. Reports were received from 185 concerns in this industry which gave employment to an average of 922 people the year round and paid out three-quarters of a million dollars for salaries and wages over the yearly period.

A review of the figures for the past seven years shows that in 1926 the output from the industry reached the highest point yet attained. In 1919, according to census records, the 91 plants in this line of production employed 319 people and produced commodities worth \$921,478. In the following year the output value was increased to \$1,527,590, but lost about half this gain in 1922, returned to \$1,505,528 in 1923 and declined again in 1924 to the lowest point since 1919 at \$1,257,871. In 1925 a great number of new firms, many of which were very small, were added to the list and production advanced to \$2,020,239 with an employment roll of 819 people, and in the year under review a further advance of 26 per cent was recorded although the number of plants was slightly lower than in the previous year.

Of the 185 plants included in the cement products industry in 1926, there were 133 in Ontario, 35 in Quebec, 6 in British Columbia, 4 in Nova Scotia, 3 in New Brunswick, 3 in Saskatchewan; and 1 in Alberta. Compared with 1925 there was a net decline of 12 in the number of operating plants as the gains of 2 in British Columbia, 1 in Quebec, and 2 in Nova Scotia were more than offset by a loss of 15 in Ontario and 2 in New Brunswick. Most of the plants which went out of business were small concerns.

Ontario was the centre of the industry with 90 per cent of the operating plants which accounted for 62 per cent of the production in Canada.

Only 16 concerns in this group reported a production valued at more than \$50,000; 26 others each exceeded the \$10,000 mark; 20 reported outputs ranging in value from \$5,000 to \$10,000; 79 other concerns were between \$1,000 and \$5,000; and 44 concerns made less than \$1,000 worth of products for sale during the year. Of the reporting firms 116 each employed only 1 or 2 people; 47 employed from 3 to 10 persons in each; 15 from 11 to 25 people; 4 from 26 to 50 people; and only 3 factories each employed more than 50 persons the year round.

Capital employed in the industry during 1926 was \$2,857,752 which was the highest figure shown since yearly records were commenced in 1919. Most of the plants were small and the total value of lands, buildings, machinery and tools amounted to only \$1,577,850 for the 185 factories. The largest investment was in plants in Ontario which accounted for \$2,168,758 or 76 per cent of the total for Canada. Quebec was next with a total investment of \$515,565. Each of the provinces, excepting Nova Scotia and New Brunswick, showed a gain over the previous year.

Although there were fewer factories in operation in 1926 the average number of employees at 922 was higher by 13 per cent than the average for the previous year. Salaried employees numbered 150 and the average number of wage-earners, obtained by adding the average monthly operating strengths of the individual companies, was 772. Salaries and wages paid during the year amounted to \$778,662. There was, of course, a distinct seasonal trend shown in the employment records with the greatest activity in the summer months when demand from the building trade was greatest. In fact, a great many of the firms operated only during the summer months. The number of wage-earners in January was 324 and by April had increased only to 598. In the following month the number jumped to 890 and in June reached a maximum for the year at 934. Declines occurred during the succeeding months to 821 in September, 603 in November and 496 in December.

Power employed in the industry totalled 2,105 h.p. made up of 77 primary power units rated at 688 h.p. and 118 electric motors having an aggregate of 1,417 h.p. which were driven by purchased power. The primary units included 8 stream engines, 37 gas engines, 31 oil and gasoline engines and 1 water wheel. There were also 25 boilers rated at 664 b.h.p. in use for heating or power purposes.

Consumption of electric power for the year amounted to 624,996 k.w.h. worth \$21,120, while coal, gasoline and other fuel cost \$49,695.

Manufacturing materials used during the year cost \$880,041 as against \$730,296 in 1925. Portland cement, of course, was the most important material, a total of 209,776 barrels worth \$470,135 being consumed in 1926; sand cost \$137,279; gravel, \$147,726; crushed stone, \$48,452; and other materials including boxes, crates, etc., \$76,449.

Products sold for \$2,544,242 including hollow building blocks worth \$1,066,901; sewer pipe and culvert tile at \$508,870; artificial stone worth \$479,287; drain pipe at \$138,928; and other products, \$350,256. In every case, excepting drain pipe, the value was higher than for the corresponding item last year.

Imports of cement manufactures during the year were valued at \$18,813 as compared with \$13,753 in 1925.

Statistics on the production of Portland cement are given in Chapter IV of this report.

Table 51.—Principal Statistics of the Cement Products Industry in Canada, 1922-1926

| Year | Number of plants | Capital employed | Number of employees | Salaries and wages | Cost of fuel and electricity* | Cost of materials | Selling value of products | Value added by manufacturing |
|-----------|------------------|------------------|---------------------|--------------------|-------------------------------|-------------------|---------------------------|------------------------------|
| 1922..... | 124 | \$ 1,553,160 | 391 | \$ 372,268 | \$ 21,794 | \$ 553,335 | \$ 1,281,004 | \$ 747,669 |
| 1923..... | 118 | 1,604,580 | 421 | 458,745 | 25,242 | 596,654 | 1,505,528 | 908,874 |
| 1924..... | 116 | 1,673,758 | 455 | 425,078 | 26,419 | 493,270 | 1,257,871 | 764,601 |
| 1925..... | 197 | 2,594,736 | 819 | 697,716 | 40,442 | 730,296 | 2,020,239 | 1,289,943 |
| 1926..... | 185 | 2,857,752 | 922 | 778,662 | 70,815 | 880,041 | 2,544,242 | 1,664,201 |

*Electricity not included in 1922 and 1923.

Table 52.—Principal Statistics of the Cement Products Industry in Canada, by Provinces, 1925 and 1926

| Province | 1925 | | | 1926 | | |
|-------------------------------|------------------|---------------------|---------------------------|------------------|---------------------|---------------------------|
| | Number of plants | Number of employees | Selling value of products | Number of plants | Number of employees | Selling value of products |
| Nova Scotia..... | 7 | 27 | \$ 20,346 | 4 | 6 | \$ 7,920 |
| New Brunswick..... | | | | 3 | 6 | 4,632 |
| Quebec..... | 34 | 179 | 398,192 | 35 | 293 | 650,264 |
| Ontario..... | 148 | 568 | 1,499,938 | 133 | 544 | 1,583,437 |
| Saskatchewan and Alberta..... | 4 | 36 | 85,315 | 4 | 27 | 137,920 |
| British Columbia..... | 4 | 9 | 7,448 | 6 | 46 | 160,009 |
| Canada..... | 197 | 819 | 2,020,239 | 185 | 922 | 2,544,242 |

Table 53.—Capital Employed in the Cement Products Industry in Canada, by Classes and by Provinces, 1925 and 1926

| Province | 1925 | | | | 1926 | | | |
|-------------------------------|-------------------------------------------------|-----------------------------------------|------------------------------------------------------------|------------------|-------------------------------------------------|-----------------------------------------|------------------------------------------------------------|------------------|
| | Capital employed as represented by | | | | Capital employed as represented by | | | |
| | Lands, buildings, fixtures, machinery and tools | Materials on hand and stocks in process | Cash, trading, and operating accounts and bills receivable | Total | Lands, buildings, fixtures, machinery and tools | Materials on hand and stocks in process | Cash, trading, and operating accounts and bills receivable | Total |
| | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ |
| Nova Scotia..... | 51,440 | 10,037 | 3,658 | 65,135 | 13,890 | 5,584 | 3,594 | 23,068 |
| New Brunswick..... | | | | | 2,400 | 700 | 200 | 3,300 |
| Quebec..... | 227,963 | 61,089 | 103,029 | 392,081 | 288,296 | 81,800 | 145,469 | 515,565 |
| Ontario..... | 1,126,400 | 401,875 | 540,222 | 2,068,497 | 1,188,329 | 427,068 | 553,361 | 2,168,758 |
| Saskatchewan and Alberta..... | 40,347 | 5,476 | 2,057 | 47,880 | 56,895 | 12,085 | 1,240 | 70,220 |
| British Columbia..... | 19,500 | 143 | 1,500 | 21,143 | 28,040 | 12,948 | 35,853 | 76,841 |
| Canada..... | 1,465,650 | 478,620 | 650,466 | 2,594,736 | 1,577,859 | 540,185 | 739,717 | 2,857,752 |

Table 54.—Employees, Salaries and Wages, in the Cement Products Industry in Canada, by Provinces, 1925 and 1926

| Province | Average number of employees | | | | Salaries and wages | | | |
|-------------------------------|-----------------------------|-----------|--------------|----------|--------------------|----------------|----------------|----------------|
| | Salaried employees | | Wage-earners | | Total | Salaries | Wages | Total |
| | Male | Female | Male | Female | | | | |
| | | | | | \$ | \$ | \$ | |
| 1925 | | | | | | | | |
| Nova Scotia and New Brunswick | 4 | | 23 | | 27 | 1,573 | 5,379 | 6,952 |
| Quebec | 24 | 1 | 152 | 2 | 179 | 24,126 | 126,479 | 150,605 |
| Ontario | 54 | 7 | 504 | 3 | 568 | 99,868 | 411,836 | 511,704 |
| Saskatchewan and Alberta | | | 36 | | 36 | | 25,880 | 25,880 |
| British Columbia | | | 9 | | 9 | | 2,575 | 2,575 |
| Total | 82 | 8 | 724 | 5 | 819 | 125,567 | 572,149 | 697,716 |
| 1926 | | | | | | | | |
| Nova Scotia | | | 6 | | 6 | | 1,591 | 1,591 |
| New Brunswick | 2 | | 4 | | 6 | 1,500 | 387 | 1,887 |
| Quebec | 69 | 4 | 318 | 2 | 293 | 93,668 | 50,416 | 144,084 |
| Ontario | 63 | 7 | 471 | 3 | 544 | 108,144 | 439,487 | 547,631 |
| Saskatchewan and Alberta | 1 | 1 | 24 | 1 | 27 | 1,250 | 39,547 | 40,797 |
| British Columbia | 3 | | 43 | | 46 | 1,525 | 44,147 | 45,672 |
| Total | 138 | 12 | 766 | 6 | 927 | 206,687 | 572,575 | 728,662 |

Table 55.—Wage-Earners Employed in the Cement Products Industry in Canada by Months, 1925 and 1926

| Month | 1925 | | | 1926 | | |
|-----------------|------------|----------|------------|------------|----------|------------|
| | Male | Female | Total | Male | Female | Total |
| January | 257 | 4 | 261 | 320 | 4 | 324 |
| February | 258 | 4 | 262 | 333 | 5 | 338 |
| March | 366 | 5 | 371 | 446 | 5 | 451 |
| April | 546 | 5 | 551 | 592 | 6 | 598 |
| May | 806 | 5 | 811 | 833 | 8 | 841 |
| June | 783 | 4 | 787 | 928 | 6 | 934 |
| July | 732 | 4 | 736 | 808 | 5 | 813 |
| August | 719 | 5 | 724 | 818 | 5 | 823 |
| September | 687 | 5 | 692 | 816 | 5 | 821 |
| October | 581 | 5 | 586 | 772 | 4 | 776 |
| November | 506 | 4 | 510 | 599 | 4 | 603 |
| December | 409 | 3 | 413 | 492 | 4 | 496 |
| Average* | 724 | 5 | 729 | 766 | 6 | 772 |

*See note on page 23.

Table 56.—Hours of Labour (in Month of Greatest Employment) in the Cement Products Industry in Canada, by Provinces, 1926

| Province | Average number of wage-earners working | | | | Average hours worked per man per week when working | | | |
|------------------|----------------------------------------|---------|----------|---------------|----------------------------------------------------|---------|----------|---------------|
| | 8 hours or less per day | 9 hours | 10 hours | Over 10 hours | 8 hours or less per day | 9 hours | 10 hours | Over 10 hours |
| Nova Scotia | 2 | 2 | 4 | | 48 | 50 | 60 | |
| New Brunswick | 2 | | 3 | | 48 | | 60 | |
| Quebec | 138 | 63 | 64 | 32 | 48 | 54 | 60 | 74 |
| Ontario | 154 | 168 | 330 | 2 | 46 | 52 | 58 | 72 |
| Saskatchewan | | | 43 | 3 | | | 60 | 72 |
| Alberta | | 3 | | | | 54 | | |
| British Columbia | 4 | 2 | 1 | 1 | 48 | 54 | 60 | 72 |

Table 57.—Fuel and Electricity Used in the Cement Products Industry in Canada, 1925 and 1926

| Kind | Unit of measure | 1925 | | 1926 | |
|-----------------|-----------------|----------|---------------|----------|---------------|
| | | Quantity | Value | Quantity | Value |
| Anthracite coal | short ton | 132 | \$ 2,026 | 421 | \$ 6,432 |
| Bituminous coal | short ton | 2,205 | 14,268 | 3,538 | 25,253 |
| Lignite | short ton | | | | |
| Coke | short ton | 75 | 877 | 317 | 3,594 |
| Fuel oil | gallon | 3,049 | 649 | 2,662 | 504 |
| Gasoline | gallon | 30,801 | 8,164 | 32,354 | 9,817 |
| Gas | M cu. ft. | 380 | 263 | 696 | 470 |
| Wood | cord | 71 | 580 | 192 | 1,374 |
| Other fuel | | | 1,159 | | 2,251 |
| Electric power | k.w.h. | 460,112 | 12,456 | 624,996 | 21,120 |
| Total | | | 49,442 | | 79,915 |

Table 58.—Power Employed in the Cement Products Industry in Canada, 1925 and 1926

| Description | 1925 | | 1926 | |
|----------------------------------------|-----------------|-----------------------------------------------|-----------------|-----------------------------------------------|
| | Number of units | Total h.p. according to manufacturers' rating | Number of units | Total h.p. according to manufacturers' rating |
| Steam engines and turbines | 6 | 170 | 8 | 126 |
| Gas engines | 34 | 218 | 37 | 171 |
| Oil and gasoline engines | 37 | 189 | 31 | 387 |
| Hydraulic turbines or water wheels | | | 1 | 4 |
| <i>Total primary power</i> | 77 | 577 | 77 | 688 |
| Electric motors run by purchased power | 90 | 854 | 118 | 1,417 |
| Total power employed | 167 | 1,431 | 195 | 2,105 |
| <i>Total electric motors</i> | 90 | 854 | 118 | 1,417 |
| Boilers | 23 | 431 | 25 | 664 |

Table 59.—Materials Used in the Cement Products Industry in Canada, 1925 and 1926

| Material | Unit of measure | 1925 | | 1926 | |
|-----------------------------|-----------------|----------|----------------|----------|----------------|
| | | Quantity | Cost at works | Quantity | Cost at works |
| Portland cement | brl. | | \$ | 209,776 | \$ 470,135 |
| Quicklime | bush. | | | 2,529 | 1,126 |
| Sand | cu. yd. | | | 71,688 | 137,279 |
| Gravel | cu. yd. | | 704,484 | 106,494 | 147,726 |
| Crushed stone | cu. yd. | | | 19,640 | 48,453 |
| Other materials | | | | | 61,451 |
| Boxes, crates, lumber, etc. | | | 25,812 | | 13,872 |
| Total | | | 730,296 | | 889,041 |

Table 60.—Products of the Cement Products Industry in Canada, 1925 and 1926

| Product | 1925 | 1926 |
|----------------------------------|------------------------------|------------------------------|
| | Total selling value at works | Total selling value at works |
| Cement bricks | \$ 40,261 | \$ 53,412 |
| Hollow building blocks, etc. | 859,706 | 1,066,901 |
| Drain pipe | 201,800 | 138,928 |
| Sewer pipe and culvert tile | 394,356 | 508,870 |
| Artificial stone | 256,118 | 470,287 |
| Cement posts, poles, piles, etc. | 5,769 | 166,418 |
| Other products * | 262,129 | 130,426 |
| Total | 2,020,239 | 2,544,242 |

*Includes cement burial vaults, laundry trays, battery boxes, etc.

CHAPTER SIX.

COKE AND BY-PRODUCTS.

Canada's coke supply in 1926 was obtained from 4 sources which in order of importance were as follows: (a) by-product coke plants (b) imports, (c) artificial gas plants, (d) petroleum refineries. By-products or metallurgical coke was made in 6 different plants in Canada in 1926; 4 of these concerns operated plants for the production of coke for use in their associated metallurgical works while the other 2 concerns made coke for sale. The bulk of the output was used in iron blast furnaces although a considerable amount was sold to foundries or for use as domestic fuel. Imports were brought in from United States, chiefly into the province of Ontario. Gas coke was obtained as a by-product in the manufacture of illuminating and fuel gas; 19 gas plants in Canada reported a production of coke in 1926, the most of which was used for domestic fuel as it was too soft for metallurgical purposes. Petroleum coke was obtained as a residue from oil refineries; the production was small and comparatively unimportant as the bulk of this coke was used in the manufacture of carbon electrodes, while the remainder was utilized as a fuel in the refineries or was sold cheaply to employees for use as a domestic fuel.

Production of by-product and gas-house coke in Canada during 1926 totalled 2,027,058 tons as against 1,546,739 tons in 1925. Imports totalled 988,034 tons during the year and exports amounted to 41,699 tons. In addition there was reported an output of 51,545 tons of petroleum coke of which 19,467 tons were exported to United States.

Statistics given in the present chapter, excepting Table 61, deal only with the coke and by-products industry or those plants making metallurgical coke as the principal product. Similar reviews on the artificial gas industry and petroleum refining industry are given in other chapters of this report.

Only 6 plants were included in the coke and by-products industry in 1926. The names and locations of these concerns were as follows: Dominion Iron and Steel Company, Limited, at Sydney, N.S.; Steel Company of Canada, Limited, at Hamilton, Ontario; Algoma Steel Corporation, Limited, at Sault Ste. Marie, Ontario; Hamilton By-Product Coke Ovens, Limited, at Hamilton, Ontario; Crow's Nest Pass Coal Company at Fernie, B.C.; Granby Consolidated Mining, Smelting and Power Company at Anyox, B.C. All operated by-product ovens with the exception of the Crow's Nest Pass Coal Company.

Capital employed by these concerns in 1926 was reported at \$24,769,899 which was an increase of 3.6 per cent over 1925. The value of lands, plants, etc., was placed at \$22,442,081 or about the same as in the previous year, while the value of inventories and open accounts totalled \$2,327,818, a gain of \$837,625 over 1925. Ontario with 3 plants showed the greatest investment at \$11,449,775 or 46 per cent of the total for Canada.

The average number of employees in this industry in 1926 was 615 as compared with 583 in the previous year. In 1926, the 35 salaried employees were paid \$99,590 while an average of 580 wage-earners were paid \$914,162 making a total expenditure of \$1,013,752 for salaries and wages during the year. Ontario's plants employed 307 people or 50 per cent of the total for the industry.

The number of wage-earners employed was fairly steady from month to month. Beginning with 542 in January, the average jumped to 588 in the following month and, with the exception of slight declines to 568 in March, and 562 in July, remained fairly close to that figure until October, when a further increase was recorded to 616. By December the number had declined again to 607. The average for the year was 580, obtained by adding the average monthly operating strengths of the individual companies.

The cost of fuel and electricity used in the coke plants in 1926 was reported at \$1,063,122 the bulk of which was the value of gas recovered from the coke ovens and used again for heating ovens and retorts. Other fuel included 5,687 tons of coke worth \$33,922; 1,573 tons of bituminous coal at \$8,447 and tar, etc., worth \$6,611. Electricity consumption totalled 13,815,759 k.w.h. at a cost of \$104,926.

The total power employed in the various plants was 8,407 h.p. including 98 steam engines rated at 3,831 h.p. and 196 electric motors with a total rating of 4,576 h.p. which were run by purchased power. There were also 173 electric motors rated at 4,753 h.p. which were driven by power generated from the steam engines mentioned above. Boilers in use numbered 25 rated at 5,225 h.p.

Both imported and Canadian coal was used for coke-making in 1926; the cost of foreign coal was \$6,379,663 and of Canadian coal, \$3,041,854. During the year 1,254,866 tons of foreign coal and 938,134 tons of Canadian coal were used in making 1,555,962 tons of metallurgical coke giving thus an average yield of 71 per cent or 1,420 pounds of coke for every ton of coal charged to the ovens. The 3 plants in Ontario procured their coal entirely from United States; the 1 plant in Nova Scotia used Canadian coal only, and 1 plant in British Columbia used only Canadian coal while the other concern in that province used about $1\frac{1}{2}$ tons of Canadian coal for every 1 ton of imported coal used. Lime, sulphuric acid for making ammonium sulphate, and other commodities brought the total cost of materials used in 1926 to \$9,744,081.

The total value of products from this industry in 1926 was \$15,261,474 which was an increase of 4 million dollars over the figure for 1925. The amount of coke made was 1,555,962 tons valued at \$10,232,775 as compared with an output of 1,079,526 tons worth \$7,442,103 in the previous year. The increase was due to greater demand from metallurgical plants and also a substantial gain in sales chiefly for domestic use. Output for metallurgical plants was 967,747 tons as compared with 764,120 tons in 1925, and production for sale was 580,593 tons as against 299,879 tons in the previous year; only 7,622 tons were used in the coke plants in 1926 and 15,527 tons in 1925.

Production in Ontario amounted to 929,828 tons or 60 per cent of the total output in the industry, while in the previous year, Ontario's ovens made 640,161 tons of coke or 59 per cent of the total for Canada.

Most of the gas from the by-product coke ovens was used to heat the retorts or was delivered to the associated iron and steel plants; however some gas was sold for domestic and industrial uses.

The ammonia liquor recovered in the coke plants was nearly all made into ammonium sulphate which was marketed for fertilizer purposes. The total production of ammonium sulphate in Canada in 1926, including the output from 1 company in the artificial gas industry, was 23,655 tons as against 18,251 tons in 1925. Tar and tar products and light oils were also recovered.

Imports of coke into Canada during the year totalled 988,034 tons and represented an increase of 16 per cent over the total of 852,427 tons brought in during the previous year. Imports into Ontario amounted to 869,000 tons or 88 per cent of the total for Canada; 100,958 tons were brought into the maritime provinces and the balance, 18,076 tons, was imported into the western provinces. Imports totalled 114,724 tons in January, 73,796 tons in February, 102,485 tons in March, 66,572 tons in May, 89,632 tons in June, 74,905 tons in September, and 67,223 tons in December. During the previous year, 739,104 tons were brought in through Ontario ports of entry, 52,329 tons through the eastern provinces and 60,994 tons into the western provinces.

Exports of coke (excluding petroleum coke) from Canada during the twelve months ending December amounted to 41,699 tons, an increase of 63 per cent as compared with 25,578 tons in the previous year. Ontario exported 10,606 tons, the western provinces 29,353 tons and the maritime provinces 1,740 tons. In 1925, Ontario accounted for only 24 tons; the western provinces, 23,929 tons; and the maritime provinces 1,625 tons.

Including gas-house coke, the total production of coke in Canada amounted to 2,027,058 tons. By adding the imports to this production and deducting the exports, a figure to represent the apparent consumption in Canada may be obtained. In 1926, the apparent consumption was 2,973,235 tons as against 2,373,588 tons in 1925. Ontario's consumption for the year was 2,002,729 tons; the eastern provinces used 746,147 tons; and the western provinces, 224,359 tons.

Table 61.—Production of Coke in Canada, by Industries, 1925 and 1926

| Industry | 1925 | | 1926 | |
|-----------------------------------------|------------------|-------------------|------------------|-------------------|
| | Quantity | Value | Quantity | Value |
| | Tons | \$ | Tons | \$ |
| Coke and its by-products industry..... | 1,079,526 | 7,442,103 | 1,555,962 | 10,232,775 |
| Illuminating and fuel gas industry..... | 467,213 | 3,040,738 | 471,096 | 3,073,150 |
| Petroleum refining industry..... | 43,188 | 281,705 | 51,545 | 307,443 |
| Total | 1,589,927 | 19,764,546 | 2,978,603 | 13,613,368 |

Table 62.—Principal Statistics of the Coke and By-Products Industry in Canada, 1922-1926

| Year | Number of plants | Capital employed | Number of employees | Salaries and wages | Cost of fuel and electricity | Cost of materials* | Selling value of products | Value added by manufacturing |
|-----------|------------------|------------------|---------------------|--------------------|------------------------------|--------------------|---------------------------|------------------------------|
| | | \$ | | \$ | \$ | \$ | \$ | \$ |
| 1922..... | 6 | 20,363,785 | 533 | 716,893 | 291,225 | 6,130,628 | 7,336,627 | 1,205,999 |
| 1923..... | 5 | 20,494,442 | 598 | 842,376 | 211,515 | 11,437,863 | 13,901,445 | 2,463,582 |
| 1924..... | 6 | 24,315,744 | 530 | 900,992 | 1,125,067 | 6,879,516 | 10,138,462 | 3,558,946 |
| 1925..... | 6 | 23,905,454 | 583 | 885,637 | 1,213,677 | 7,112,311 | 11,020,298 | 3,907,987 |
| 1926..... | 6 | 24,760,899 | 615 | 1,013,752 | 1,063,122 | 9,744,081 | 15,261,474 | 5,517,393 |

*Includes materials used as fuel in 1922 and 1923.

Table 63.—Principal Statistics of the Coke and Its By-Products Industry in Canada, by Provinces, 1925 and 1926

| Province | 1925 | | | | 1926 | | | |
|----------------------|------------------|---------------------|--------------------|---------------------------|------------------|---------------------|--------------------|---------------------------|
| | Number of plants | Number of employees | Salaries and wages | Selling value of products | Number of plants | Number of employees | Salaries and wages | Selling value of products |
| | | | \$ | \$ | | | \$ | \$ |
| Ontario..... | 3 | 250 | 493,165 | 7,001,913 | 3 | 307 | 570,190 | 10,136,689 |
| Canada* | 6 | 583 | 885,637 | 11,010,258 | 6 | 615 | 1,013,752 | 15,261,474 |

*Includes also data for 1 plant in Nova Scotia and 2 in British Columbia.

Table 64.—Capital Employed in the Coke and By-Products Industry in Canada, by Classes and by Provinces, 1925 and 1926

| Province | 1925 | | | | 1926 | | | |
|----------------------|-------------------------------------------------|-------------------------------------------|-----------------------------------------------------------|-------------------|-------------------------------------------------|-------------------------------------------|-----------------------------------------------------------|-------------------|
| | Capital employed as represented by | | | | Capital employed as represented by | | | |
| | Lands, buildings, fixtures, machinery and tools | Materials, on hand, and stocks in process | Cash, trading and operating accounts and bills receivable | Total | Lands, buildings, fixtures, machinery and tools | Materials, on hand, and stocks in process | Cash, trading and operating accounts and bills receivable | Total |
| | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ |
| Ontario..... | 9,159,137 | 1,260,798 | 153,712 | 10,573,647 | 9,182,464 | 1,861,168 | 406,143 | 11,449,775 |
| Canada* | 22,415,261 | 1,273,899 | 216,294 | 23,905,454 | 22,442,681 | 1,875,413 | 452,495 | 24,769,589 |

*See footnote to Table 63.

Table 65.—Employees, Salaries and Wages in the Coke and Its By-Products Industry in Canada, by Provinces, 1925 and 1926

| Province | Average number of employees | | | | | Salaries and wages | | |
|--------------|-----------------------------|--------|--------------|--------|-------|--------------------|---------|-----------|
| | Salaried employees | | Wage-earners | | Total | Salaries | Wages | Total |
| | Male | Female | Male | Female | | | | |
| | | | | | | \$ | \$ | \$ |
| Ontario 1925 | 14 | | 235 | 1 | 250 | 46,344 | 446,821 | 493,165 |
| Canada* 1925 | 27 | | 553 | 1 | 583 | 90,609 | 805,547 | 895,637 |
| Ontario 1926 | 21 | 1 | 285 | | 307 | 67,454 | 502,736 | 570,190 |
| Canada* 1926 | 34 | 1 | 580 | | 615 | 93,590 | 914,162 | 1,013,752 |

*See footnote to Table 63.

Table 66.—Wage-Earners Employed in the Coke and Its By-Products Industry in Canada, 1925 and 1926

| Month | 1925 | | | 1926 | | |
|-----------|------|--------|-------|------|--------|-------|
| | Male | Female | Total | Male | Female | Total |
| January | 557 | 1 | 558 | 542 | | 542 |
| February | 562 | 1 | 563 | 588 | | 588 |
| March | 595 | 1 | 596 | 568 | | 568 |
| April | 576 | 1 | 577 | 596 | | 596 |
| May | 582 | 1 | 583 | 592 | | 592 |
| June | 544 | 1 | 545 | 586 | | 586 |
| July | 540 | 1 | 541 | 562 | | 562 |
| August | 525 | 1 | 526 | 581 | | 581 |
| September | 511 | 1 | 512 | 594 | | 594 |
| October | 575 | 1 | 576 | 616 | | 616 |
| November | 541 | 1 | 542 | 613 | | 613 |
| December | 553 | 1 | 554 | 607 | | 607 |
| Average* | 553 | 1 | 556 | 590 | | 590 |

*See note on page 23.

Table 67.—Fuel and Electricity Used in the Coke and By-Products Industry in Canada, 1925 and 1926

| Kind | Unit of measure | 1925 | | 1926 | |
|-----------------|-----------------|------------|-----------|------------|-----------|
| | | Quantity | Value | Quantity | Value |
| Bituminous coal | short ton | 7,399 | \$ 28,820 | 1,573 | \$ 8,447 |
| Coke | short ton | 15,527 | 51,632 | 5,697 | 33,922 |
| Gasoline | Gallon | | | | |
| Gas | M cu. ft. | 5,008,236 | 862,927 | 4,465,103 | 900,216 |
| Other fuel | | | 882 | | 6,411 |
| Electric power | k. w. h. | 11,342,996 | 90,261 | 13,815,759 | 104,920 |
| Total | | | 1,040,522 | | 1,063,122 |

Table 68.—Power Employed in the Coke and By-Products Industry in Canada, 1925 and 1926

| Description | 1925 | | 1926 | |
|----------------------------------------------------|-----------------|-----------------------------------------------|-----------------|-----------------------------------------------|
| | Number of units | Total h.p. according to manufacturers' rating | Number of units | Total h.p. according to manufacturers' rating |
| Steam engines and turbines | 98 | 3,831 | 98 | 3,831 |
| Total primary power | 98 | 3,831 | 98 | 3,831 |
| Electric motors run by purchased power | 183 | 4,381 | 196 | 4,576 |
| Total power employed | 281 | 8,312 | 294 | 8,407 |
| Electric motors run by primary power in same plant | 173 | 4,753 | 173 | 4,753 |
| Total electric motors | 356 | 9,354 | 369 | 9,329 |
| Boilers | 27 | 6,137 | 25 | 5,225 |

Table 69.—Materials Used in the Coke and By-Products Industry in Canada, 1925 and 1926

| Material | Unit of measure | 1925 | | 1926 | |
|----------------------------------------------|-----------------|-----------|---------------|-----------|---------------|
| | | Quantity | Cost at works | Quantity | Cost at works |
| | | | \$ | | \$ |
| Bituminous coal, for coke making— | | | | | |
| Canadian..... | short ton | 598,280 | 2,070,313 | 938,133 | 3,041,854 |
| Foreign..... | short ton | 930,738 | 4,723,140 | 1,254,866 | 6,370,663 |
| Total coal..... | short ton | 1,529,018 | 6,793,453 | 2,193,000 | 9,421,517 |
| Other materials— | | | | | |
| Lime..... | short ton | | | 1,728 | 20,460 |
| Sodium nitrate..... | lb. | | | 38,362 | 1,450 |
| Sulphur..... | short ton | | | 208 | 4,480 |
| Sulphuric acid, 66°Bé..... | short ton | 12,623 | 175,753 | 12,680 | 253,305 |
| All other materials..... | | | 57,655 | | 42,869 |
| Total other materials..... | | | 233,308 | | 322,504 |
| Total purchased materials..... | | | 7,026,761 | | 9,744,081 |
| Intermediate products used as materials..... | | | 85,550 | | |
| Total value of materials used..... | | | 7,112,311 | | 9,744,081 |

Table 70.—Products of the Coke and By-Products Industry in Canada, 1925 and 1926

| Product | Unit of measure | 1925 | | 1926 | |
|--------------------------------------------------------------|-----------------|-----------|---------------|------------|---------------|
| | | Quantity | Selling value | Quantity | Selling value |
| | | | \$ | | \$ |
| MADE FOR USE IN COKE PLANT (chiefly as fuel)— | | | | | |
| Coke..... | short ton | 4,714 | 28,284 | 5,687 | 33,922 |
| Coke breeze..... | short ton | 10,813 | 23,348 | 1,935 | 5,678 |
| Gas used in heating ovens or retorts..... | M cu. ft. | 5,008,236 | 862,927 | 6,410,009 | 1,064,809 |
| Tar and tar products..... | Imp. gal. | | 7,310 | | 731 |
| Light oils (toluol, benzol, drip oil, holder oil, etc.)..... | Imp. gal. | 1,142,826 | 85,550 | 1,967,637 | 130,332 |
| All other products..... | | | 882 | | |
| Total..... | | | 1,000,991 | | 1,235,472 |
| MADE FOR USE IN METALLURGICAL WORKS— | | | | | |
| Coke..... | short ton | 726,837 | 4,740,733 | 891,914 | 5,550,887 |
| Coke breeze..... | short ton | 37,283 | 128,606 | 75,833 | 146,458 |
| Gas otherwise used in plant..... | M cu. ft. | 5,991,969 | 674,744 | 9,890,961 | 1,160,103 |
| Gas used in heating ovens or retorts..... | M cu. ft. | | | 364,375 | 50,651 |
| Tar and tar products..... | Imp. gal. | 3,314,142 | 234,801 | 3,064,336 | 179,587 |
| Other products..... | | | 2,209 | | 2,068 |
| Total..... | | | 5,790,093 | | 7,068,754 |
| MADE FOR SALE— | | | | | |
| Coke..... | short ton | 293,870 | 2,478,433 | 567,724 | 4,420,810 |
| Coke breeze..... | short ton | 5,009 | 33,699 | 12,869 | 66,020 |
| Gas sold..... | M cu. ft. | 1,124,237 | 492,458 | 1,225,801 | 518,419 |
| Tar and tar products..... | Imp. gal. | 7,769,134 | 240,644 | 13,841,732 | 676,310 |
| Light oils (benzol, toluol, drip oil, holder oil, etc.)..... | Imp. gal. | 899,994 | 173,227 | 1,287,621 | 292,184 |
| All other products..... | | | 810,753 | | 953,503 |
| Total..... | | | 4,220,214 | | 6,927,248 |
| Total value of products for use and for sale..... | | | 11,020,298 | | 15,261,474 |

Table 71.—Production* of Metallurgical and Gas-house Coke in Canada, 1919-1926

| Year | Metallurgical Coke | | Gas-house coke | | Total | |
|------|--------------------|-------------------------|----------------|-------------------------|------------|-------------------------|
| | Quantity | Selling value at plants | Quantity | Selling value at plants | Quantity | Selling value at plants |
| | Short tons | \$ | Short tons | \$ | Short tons | \$ |
| 1919 | 1,276,443 | 9,821,998 | 398,589 | 2,251,744 | 1,675,032 | 12,073,742 |
| 1920 | 1,270,322 | 11,524,091 | 437,881 | 3,875,093 | 1,708,203 | 13,399,181 |
| 1921 | 1,011,847 | 11,049,369 | 452,152 | 3,061,814 | 1,461,999 | 11,111,183 |
| 1922 | 700,098 | 5,560,183 | 532,548 | 3,492,307 | 1,232,646 | 9,052,490 |
| 1923 | 1,169,989 | 10,236,524 | 498,369 | 3,695,960 | 1,668,358 | 13,932,484 |
| 1924 | 985,305 | 7,268,713 | 451,607 | 3,164,234 | 1,436,912 | 10,432,947 |
| 1925 | 1,079,526 | 7,442,103 | 467,213 | 3,040,738 | 1,546,739 | 10,482,841 |
| 1926 | 1,555,962 | 10,232,775 | 471,090 | 3,073,150 | 2,027,058 | 13,305,925 |

*Includes coke breeze.

Table 72.—Production of Metallurgical and Gas-House Coke in Canada, by Provinces, 1919-1926

| Year | Nova Scotia, New Brunswick and Quebec | | Ontario | | Manitoba, Saskatchewan, Alberta and British Columbia | | Canada | |
|------|---------------------------------------|-------------------------|------------|-------------------------|------------------------------------------------------|-------------------------|------------|-------------------------|
| | Quantity | Selling value at plants | Quantity | Selling value at plants | Quantity | Selling value at plants | Quantity | Selling value at plants |
| | Short tons | \$ | Short tons | \$ | Short tons | \$ | Short tons | \$ |
| 1919 | 597,778 | 4,700,079 | 986,833 | 6,301,068 | 120,421 | 1,072,595 | 1,675,032 | 12,073,742 |
| 1920 | 604,642 | 6,053,226 | 882,257 | 6,834,357 | 221,504 | 2,511,601 | 1,708,203 | 13,399,184 |
| 1921 | 413,420 | 3,003,746 | 858,951 | 9,166,758 | 191,628 | 1,938,679 | 1,461,999 | 11,111,183 |
| 1922 | 454,678 | 2,439,591 | 603,219 | 4,893,672 | 174,749 | 1,719,227 | 1,232,646 | 9,052,490 |
| 1923 | 599,458 | 4,905,506 | 882,341 | 7,189,816 | 186,499 | 1,837,162 | 1,668,358 | 13,932,484 |
| 1924 | 420,535 | 2,753,384 | 857,528 | 6,161,144 | 158,849 | 1,518,419 | 1,436,912 | 10,432,947 |
| 1925 | 504,956 | 2,735,147 | 830,839 | 5,907,333 | 210,944 | 1,760,361 | 1,546,739 | 10,482,841 |
| 1926 | 646,929 | 3,268,348 | 1,144,493 | 8,208,124 | 235,636 | 1,832,453 | 2,027,058 | 13,305,925 |

Table 73.—Bituminous Coal Used in the Production of Metallurgical and Gas-house Coke in Canada, 1919-1926

| Year | Bituminous coal used in manufacture of | | | | Total | |
|------|----------------------------------------|---------------|----------------|---------------|------------|---------------|
| | Metallurgical coke | | Gas-house coke | | Quantity | Cost at works |
| | Quantity | Cost at works | Quantity | Cost at works | | |
| | Short tons | \$ | Short tons | \$ | Short tons | \$ |
| 1919 | 1,866,101 | 9,028,737 | 581,750 | 3,532,044 | 2,447,851 | 12,560,781 |
| 1920 | 1,937,512 | 10,863,634 | 648,618 | 5,493,387 | 2,586,130 | 16,357,021 |
| 1921 | 1,497,030 | 10,657,350 | 655,789 | 5,887,380 | 2,152,819 | 16,541,730 |
| 1922 | 1,053,403 | 5,105,763 | 641,875 | 5,459,269 | 1,695,278 | 10,565,032 |
| 1923 | 1,707,024 | 9,191,864 | 728,031 | 5,660,181 | 2,435,055 | 14,552,048 |
| 1924 | 1,410,917 | 6,525,206 | 681,480 | 4,723,781 | 2,092,397 | 11,248,340 |
| 1925 | 1,529,018 | 6,793,453 | 723,394 | 4,395,445 | 2,252,413 | 11,188,898 |
| 1926 | 2,193,000 | 9,421,517 | 701,283 | 4,274,183 | 2,894,283 | 13,695,700 |

Table 74.—Production of Metallurgical Coke* in Canada, 1886-1926

| Year | Production | Year | Production | Year | Production |
|------|------------|------|------------|-------|------------|
| | Short tons | | Short tons | | Short tons |
| 1886 | 35,396 | 1900 | 157,134 | 1914 | 1,023,860 |
| 1887 | 40,428 | 1901 | 365,531 | 1915 | 1,170,473 |
| 1888 | 45,373 | 1902 | 502,043 | 1916 | 1,409,741 |
| 1889 | 54,539 | 1903 | 561,318 | 1917 | 1,245,862 |
| 1890 | 56,450 | 1904 | 554,083 | 1918 | 1,250,744 |
| 1891 | 57,084 | 1905 | 700,488 | 1919 | 1,276,443 |
| 1892 | 56,135 | 1906 | 782,055 | 1920 | 1,270,322 |
| 1893 | 61,078 | 1907 | 842,003 | 1921 | 1,011,847 |
| 1894 | 58,044 | 1908 | 858,257 | 1922 | 700,098 |
| 1895 | 53,356 | 1909 | 862,011 | 1923 | 1,169,989 |
| 1896 | 49,619 | 1910 | 902,715 | 1924 | 985,305 |
| 1897 | 60,686 | 1911 | 935,651 | 1925 | 1,079,526 |
| 1898 | 87,690 | 1912 | 1,411,229 | 1926 | 1,555,962 |
| 1899 | 100,820 | 1913 | 1,530,499 | Total | 26,991,797 |

*From by-product or beehive ovens: coke from gas plants not included.

Table 75.—Production in Canada, Imports, Exports and Apparent Consumption of Coke* by Provinces, 1925 and 1926

| | | Nova Scotia, New Brunswick and Quebec | Ontario | Manitota, Saskatchewan, Alberta and British Columbia | Canada |
|---------------------------|------|---------------------------------------|-----------|------------------------------------------------------|-----------|
| Production..... | 1925 | 504,956 | 830,839 | 210,944 | 1,546,739 |
| | 1926 | 646,929 | 1,144,493 | 235,636 | 2,027,058 |
| Imports..... | 1925 | 52,329 | 739,104 | 60,994 | 852,427 |
| | 1926 | 100,958 | 869,000 | 18,076 | 988,034 |
| Exports..... | 1925 | 1,625 | 24 | 23,929 | 25,578 |
| | 1926 | 1,740 | 10,606 | 29,353 | 31,699 |
| Apparent consumption..... | 1925 | 555,660 | 1,569,919 | 248,069 | 2,373,588 |
| | 1926 | 746,147 | 2,002,729 | 274,359 | 2,973,235 |

*Exclusive of petroleum coke.

Ammonium Sulphate.—Production of ammonium sulphate in Canada during 1926 amounted to 23,655 tons valued at \$1,015,578 as compared with 18,251 tons worth \$909,097 in 1925. All of the ammonium sulphate made in Canada is produced as a by-product of the coke and artificial gas plants.

The bulk of the Canadian production is exported to foreign countries for use as fertilizer. In 1926 exports totalled 16,382 tons worth \$813,115 as compared with 12,560 tons valued at \$637,310 in 1925. The principal countries of destination with the quantities and values of Canadian export to each were as follows:—Japan, 8,202 tons worth \$416,110; China, 3,185 tons at \$151,520; Barbados, 1,620 tons at \$85,901; British Guiana, 1,839 tons at \$83,958; Cuba, 530 tons at \$26,645; United States, 512 tons at \$24,960; Hong Kong, 159 tons at \$8,596; other countries, 336 tons at \$14,425.

Considerable quantities of ammonium sulphate are also imported into Canada. During 1926 about 2,298 tons worth \$135,455 were brought into Canada; the bulk of this came from the United States. In 1925 the imports were only 398 tons worth \$27,544.

The 6 companies in Canada making ammonium sulphate during 1926, were located as follows: Algoma Steel Corporation, Sault Ste. Marie, Ont. Steel Company of Canada, Ltd., Hamilton, Ont. Hamilton By-Product Coke Ovens Ltd., 15 Main St., Hamilton, Ont. Dominion Iron and Steel Co. Ltd., Sydney, N.S. Granby Consolidated Mining, Smelting and Power Co., Anyox, B.C. Montreal Light, Heat and Power Co. Ltd., Montreal, P.Q.

Table 76.—Production in Canada, Imports and Exports of Ammonium Sulphate during the Calendar Years 1919-1926

| Year | Production | | Imports | | Exports | |
|-----------|------------|-----------|-----------|---------|------------|-----------|
| | Quantity | Value | Quantity | Value | Quantity | Value |
| | Pounds | \$ | Pounds | \$ | Pounds | \$ |
| 1919..... | 38,644,452 | 1,423,545 | 203,408 | 12,129 | 37,331,200 | 1,846,713 |
| 1920..... | 39,912,723 | 1,475,542 | 624,659 | 31,495 | 36,658,500 | 1,896,660 |
| 1921..... | 34,680,248 | 1,183,776 | 313,354 | 11,513 | 29,296,100 | 784,628 |
| 1922..... | 27,201,332 | 667,934 | 825,326 | 24,650 | 20,570,000 | 532,983 |
| 1923..... | 43,037,062 | 1,268,146 | 517,629 | 18,577 | 40,540,000 | 1,254,681 |
| 1924..... | 34,685,134 | 865,538 | 1,376,443 | 27,111 | 28,714,100 | 681,809 |
| 1925..... | 30,502,275 | 909,097 | 795,792 | 27,544 | 25,120,700 | 637,310 |
| 1926..... | 47,310,666 | 1,015,578 | 4,596,953 | 135,455 | 32,764,400 | 813,115 |

CHAPTER SEVEN.

ILLUMINATING AND FUEL GAS.

The illuminating and fuel gas industry in Canada includes only those plants primarily engaged in manufacturing gas for domestic and industrial lighting and heating purposes. Concerns making coal gas, water gas, pintsch gas and acetylene gas for small town lighting plants come within this category. The output of gas from these concerns in 1926 amounted to 14,067,676 M cubic feet of which 12,573,892 M cubic feet were sold for \$14,417,652. In addition there was produced some 17,891,146 M cubic feet of gas from firms operating by-product coke ovens and 1,532,430 M cubic feet of still gas from petroleum refineries. The most of the output from the two latter sources was used as a fuel in the producing plants for heating stills and retorts or was delivered for use as a fuel in the associated metallurgical works.

In 1926 there were 44 establishments included in the illuminating and fuel gas industry and the distribution by provinces was as follows: Ontario, 21; Manitoba, 8; British Columbia, 5; Quebec, 4; New Brunswick and Saskatchewan, 2 each; and Nova Scotia and Alberta, 1 each. Of these producing plants 11 made only straight coal gas, 9 made only carburetted water gas, 3 reported under mixed coal and water gas, 6 produced both coal gas and carburetted water gas, 9 made pintsch oil gas only and 6 manufactured only acetylene.

An increase of 9.4 million dollars was reported in the capital employed in 1926 when the total was \$55,573,267. Extensive lands, plants and equipment alone were worth \$46,304,730, a gain of 7.4 million dollars over 1925. Ontario reported the highest investment at \$28,772,890; Quebec was next at \$7,020,613; British Columbia, \$6,668,905; Manitoba, \$5,433,683; other provinces, \$7,677,176.

The average number of employees in 1926 was 3,678 of whom 2,018 were working in Ontario, 1,018 in Quebec, 355 in British Columbia, 171 in Manitoba, and 116 in the other provinces. Salaried employees numbered 1,036 to whom \$1,390,861 was paid for salaries during the year, and the average number of wage-earners was 2,642 with total remunerations of \$3,492,660. In the previous year, 1925, the industry gave work to 869 salaried employees and 2,935 wage-earners and paid out \$1,326,359 for salaries and \$3,731,343 for wages during the year.

In January, 1926, there were 2,243 wage-earners employed by the various companies; by June the number had increased to 3,048 and in August showed a slight further increase to the maximum of 3,077. Then there was a gradual decline to 2,329 in December to make a monthly average of 2,642 for the year. The same trend was evident in 1925 indicating a greater activity in this industry during the summer months.

Bituminous coal was the most important material entering into the manufacture of artificial gas. In 1926, some 80,923 tons of Canadian and 620,360 tons of foreign coal a total of 701,283 tons of bituminous coal, were charged to gas retorts as compared with a total of 723,394 tons in 1925. Also 3,477 tons of anthracite, 98,200 tons of coke of which 91,537 tons were made in the producing gas plants, 12.2 million gallons of gas oil and 156 tons of calcium carbide were used in gas-making. The total cost of materials used in manufacturing was \$6,226,100 in 1926 as compared with a cost of \$6,178,609 in 1925. Coke and gas used for retort or boiler fuel have been shown in the fuel consumption table.

Output of the gas industry included (a) primary products made for sale, such as coal gas, water gas, etc., and (b) by-products such as coke, tar, ammonium sulphate, etc., part of which were sold and part used as fuel in the gas-producing plants. In 1926, production from this industry included 8,352,129 M cubic feet of straight coal gas; 5,408,725 M cubic feet of carburetted water gas; 236,753 M cubic feet of mixed coal and water gas; 68,675 M cubic feet of oil gas; and 1,394 M cubic feet of acetylene gas. The total gas made available for distribution during the year was 14,067,767 M cubic feet, of which 141,392 M cubic feet were used in the gas plants, and 12,573,892 M cubic feet were sold for industrial or domestic purposes to bring a gross revenue of \$14,417,652. In addition, the by-products recovery were worth \$3,847,208 thus bringing the total value of products to \$18,264,860 in 1926 as compared with \$17,874,479 in the previous year. Coke, tar, ammonia sulphate and anhydrous ammonia were the main by-products recovered and sold during the year.

Table 77.—Principal Statistics of the Illuminating and Fuel Gas Industry in Canada, 1922-1926

| Year | Number of plants | Capital employed | Number of employees | Salaries and wages | Cost of fuel and electricity | Cost of materials* | Value of products sold | Value added by manufacturing |
|-----------|------------------|------------------|---------------------|--------------------|------------------------------|--------------------|------------------------|------------------------------|
| | | \$ | | \$ | \$ | \$ | \$ | \$ |
| 1922..... | 48 | 39,615,765 | 3,107 | 3,874,705 | ..... | 9,580,208 | 19,089,170 | 10,508,962 |
| 1923..... | 45 | 45,526,495 | 3,021 | 3,801,832 | ..... | 9,024,081 | 19,605,340 | 10,581,256 |
| 1924..... | 44 | 42,818,276 | 3,648 | 4,835,351 | 2,706,182 | 6,772,576 | 18,101,724 | 11,329,148 |
| 1925..... | 44 | 46,129,651 | 3,804 | 5,057,702 | 1,128,846 | 6,178,609 | 17,874,479 | 11,695,870 |
| 1926..... | 44 | 55,573,267 | 3,678 | 4,883,521 | 589,476 | 6,226,109 | 18,264,860 | 12,038,760 |

*Includes materials used as fuel in 1922 and 1923.

Table 78.—Principal Statistics of the Illuminating and Fuel Gas Industry in Canada, by Provinces, 1925 and 1926

| Province | 1925 | | | | 1926 | | | |
|-----------------------|------------------|---------------------|--------------------|------------------------|------------------|---------------------|--------------------|------------------------|
| | Number of plants | Number of employees | Salaries and wages | Value of products sold | Number of plants | Number of employees | Salaries and wages | Value of products sold |
| | | | \$ | \$ | | | \$ | \$ |
| Quebec..... | 4 | 1,124 | 1,425,271 | 6,441,871 | 4 | 1,018 | 1,271,078 | 6,345,445 |
| Ontario..... | 21 | 2,076 | 2,832,627 | 8,747,867 | 21 | 2,018 | 2,770,977 | 9,057,755 |
| Manitoba..... | 8 | 179 | 255,245 | 1,113,929 | 8 | 171 | 214,833 | 1,199,555 |
| British Columbia..... | 5 | 303 | 403,282 | 1,170,429 | 5 | 355 | 459,607 | 1,267,630 |
| Canada* | 44 | 3,804 | 5,057,702 | 17,874,478 | 44 | 3,678 | 4,883,521 | 18,264,860 |

*Includes also data for 1 plant in Nova Scotia, 2 in New Brunswick, 2 in Saskatchewan and 1 in Alberta.

Table 79.—Capital Employed in the Illuminating and Fuel Gas Industry in Canada, by Classes and by Provinces, 1925 and 1926

| Province | 1925 | | | | 1926 | | | |
|-----------------------|-------------------------------------------------|-----------------------------------------|-----------------------------------------------------------|-------------------|-------------------------------------------------|-----------------------------------------|-----------------------------------------------------------|-------------------|
| | Capital employed as represented by | | | | Capital employed as represented by | | | |
| | Lands, buildings, fixtures, machinery and tools | Materials on hand and stocks in process | Cash, trading and operating accounts and bills receivable | Total | Lands, buildings, fixtures, machinery and tools | Materials on hand and stocks in process | Cash, trading and operating accounts and bills receivable | Total |
| | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ |
| Quebec..... | 5,015,796 | 669,878 | 1,313,951 | 6,999,625 | 4,741,582 | 668,292 | 1,610,739 | 7,020,613 |
| Ontario..... | 21,952,945 | 1,109,047 | 3,014,356 | 26,076,348 | 23,329,965 | 1,069,685 | 4,373,240 | 28,772,890 |
| Manitoba..... | 5,223,069 | 74,840 | 107,323 | 5,405,232 | 5,253,079 | 61,614 | 118,990 | 5,433,683 |
| British Columbia..... | 5,329,412 | 405,078 | 509,916 | 6,244,406 | 5,526,256 | 398,655 | 743,994 | 6,668,905 |
| Canada* | 38,924,759 | 2,258,957 | 4,945,935 | 46,129,651 | 46,304,730 | 2,252,148 | 7,016,389 | 55,573,267 |

*See footnote to Table 78.

Table 80.—Employees, Salaries and Wages, in the Illuminating and Fuel Gas Industry in Canada, by Provinces, 1925 and 1926

| Province | Average number of employees | | | | Salaries and wages | | | |
|------------------|-----------------------------|------------|--------------|----------|--------------------|------------------|------------------|------------------|
| | Salaried employees | | Wage-earners | | Total | Salaries | Wages | Total |
| | Male | Female | Male | Female | | | | |
| 1925 | | | | | | | | |
| Quebec | 165 | 77 | 579 | 2 | 1,124 | \$ 115,145 | \$ 1,010,126 | \$ 1,425,271 |
| Ontario | 301 | 182 | 1,541 | 2 | 2,076 | 681,910 | 2,150,717 | 2,832,627 |
| Manitoba | 37 | 23 | 119 | | 179 | 60,047 | 165,198 | 235,245 |
| British Columbia | 51 | 7 | 245 | | 303 | 101,680 | 301,602 | 403,282 |
| Canada* | 577 | 292 | 2,928 | 7 | 3,804 | 1,326,359 | 3,731,343 | 5,057,702 |
| 1926 | | | | | | | | |
| Quebec | 288 | 75 | 655 | | 1,019 | 449,700 | 824,378 | 1,271,078 |
| Ontario | 335 | 179 | 1,502 | 2 | 2,018 | 702,269 | 2,098,708 | 2,770,977 |
| Manitoba | 34 | 24 | 113 | | 171 | 80,845 | 157,988 | 241,833 |
| British Columbia | 60 | 7 | 289 | | 355 | 115,914 | 343,693 | 459,607 |
| Canada* | 713 | 293 | 2,633 | 9 | 3,678 | 1,390,861 | 3,492,669 | 4,883,521 |

*See footnote to Table 78.

Table 81.—Wage-Earners Employed in the Illuminating and Fuel Gas Industry in Canada, by Months, 1925 and 1926

| Month | 1925 | | | 1926 | | |
|-----------------|--------------|----------|--------------|--------------|----------|--------------|
| | Male | Female | Total | Male | Female | Total |
| January | 2,332 | 7 | 2,339 | 2,234 | 9 | 2,243 |
| February | 2,367 | 7 | 2,374 | 2,250 | 9 | 2,259 |
| March | 2,393 | 7 | 2,399 | 2,304 | 9 | 2,313 |
| April | 2,784 | 7 | 2,791 | 2,559 | 9 | 2,568 |
| May | 3,213 | 7 | 3,220 | 2,890 | 9 | 2,899 |
| June | 3,286 | 7 | 3,293 | 3,039 | 9 | 3,048 |
| July | 3,568 | 7 | 3,575 | 3,004 | 9 | 3,013 |
| August | 3,595 | 7 | 3,602 | 3,068 | 9 | 3,077 |
| September | 3,395 | 7 | 3,402 | 2,889 | 9 | 2,898 |
| October | 3,058 | 7 | 3,065 | 2,622 | 9 | 2,631 |
| November | 2,664 | 7 | 2,671 | 2,458 | 9 | 2,467 |
| December | 2,460 | 7 | 2,467 | 2,320 | 9 | 2,329 |
| Average* | 2,928 | 7 | 2,935 | 2,633 | 9 | 2,642 |

*See note on page 23.

Table 82.—Hours of Labour (in Month of Greatest Employment) in the Illuminating and Fuel Gas Industry in Canada, by Provinces, 1926

| Province | Number of wage-earners working | | | | Average number of hours worked per man per week when working | | | |
|------------------|--------------------------------|---------|----------|---------------|--------------------------------------------------------------|---------|----------|---------------|
| | 8 hours or less per day | 9 hours | 10 hours | Over 10 hours | 8 hours or less per day | 9 hours | 10 hours | Over 10 hours |
| Nova Scotia | 2 | 20 | 34 | 10 | 48 | 54 | 60 | 60 |
| New Brunswick | 10 | 19 | | 6 | 48 | 54 | | 84 |
| Quebec | 328 | 71 | 436 | 4 | 48 | 54 | 60 | 84 |
| Ontario | 439 | 1,275 | 40 | 11 | 48 | 54 | 62 | 75 |
| Manitoba | 69 | 30 | | | 48 | 54 | | |
| Saskatchewan | 4 | 1 | | | 48 | 54 | | |
| Alberta | | | | | 48 | | | |
| British Columbia | 350 | | | | 40 | | | |

Table 83.—Fuel and Electricity Used in the Illuminating and Fuel Gas Industry in Canada, 1925 and 1926

| Kind | Unit of measure | 1925 | | 1926 | |
|-----------------|-----------------|------------|------------------|------------|----------------|
| | | Quantity | Value | Quantity | Value |
| Anthracite coal | short ton | 959 | \$ 4,888 | | |
| Bituminous coal | short ton | 30,264 | 189,163 | 40,885 | 248,524 |
| Coke | short ton | 139,261 | 835,355 | 49,257 | 268,733 |
| Gas | M cu. ft. | 38,657 | 58,508 | 29,929 | 23,064 |
| Other fuel | | | | | 97 |
| Electric power | k.w.h. | 13,907,432 | 41,932 | 12,221,496 | 50,158 |
| Total | | | 1,128,846 | | 589,476 |

Table 84.—Power Employed in the Illuminating and Fuel Gas Industry Canada, 1925 and 1926

| Description | 1925 | | 1926 | |
|-----------------------------------------------------------|-----------------|-----------------------------------------------|-----------------|-----------------------------------------------|
| | Number of units | Total h.p. according to manufacturers' rating | Number of units | Total h.p. according to manufacturers' rating |
| Steam engines and turbines | 53 | 729 | 49 | 702 |
| Internal combustion engines | 21 | 958 | 4 | 96 |
| Water wheels and turbines | 1 | 3 | 1 | 3 |
| <i>Total primary power</i> | 75 | 1,690 | 54 | 801 |
| Electric motors driven by purchased power | 127 | 1,587 | 166 | 2,212 |
| Total power employed | 202 | 3,277 | 220 | 3,013 |
| Electric motors driven by power generated in the industry | 14 | 201 | | |
| <i>Total electric motors</i> | 141 | 1,788 | 166 | 2,212 |
| Boilers | 170 | 10,231 | 178 | 10,906 |

Table 85.—Materials Used in the Illuminating and Fuel Gas Industry in Canada, 1925 and 1926

| Material | Unit of measure | 1925 | | 1926 | |
|----------------------------------|-----------------|------------|------------------|------------|------------------|
| | | Quantity | Value | Quantity | Value |
| Bituminous coal for gas making— | | | \$ | | \$ |
| (a) Canadian | short ton | | | 80,923 | 416,645 |
| (b) Foreign | short ton | 723,394 | 4,395,445 | 620,369 | 3,857,538 |
| Anthracite coal for gas-making | short ton | 15,323 | 183,050 | 3,477 | 41,277 |
| Coke for gas-making— | | | | | |
| (a) Purchased | short ton | 10,623 | 106,252 | 6,663 | 70,101 |
| (b) Companies' own make | short ton | 69,977 | 438,491 | 91,537 | 592,885 |
| Oil (gas oil) for gas-making | Imp. gal. | 10,498,336 | 970,110 | 12,155,649 | 1,133,157 |
| Benzine, gasoline, naphtha, etc. | Imp. gal. | | | 75,587 | 9,443 |
| Calcium carbide | pound | 336,000 | 14,977 | 311,770 | 14,344 |
| Lime | pound | 779,780 | 3,184 | 820,000 | 3,595 |
| Water | | | 12,341 | | 10,334 |
| Oxide or purifying materials | short ton | 5,942 | 54,056 | 1,395 | 48,692 |
| All other materials | | | | | 28,089 |
| Total | | | 6,178,609 | | 6,226,109 |

Table 86.—Products of the Illuminating and Fuel Gas Industry in Canada, 1925 and 1926

| Product | Unit of measure | 1925 | | 1926 | |
|---------------------------------------------------------------------|---------------------|-------------------|------------------------|-------------------|------------------------|
| | | Quantity | Value of products sold | Quantity | Value of products sold |
| GAS PRODUCTION | | | \$ | | \$ |
| Straight coal gas | M cu. ft. | 8,315,179 | | 8,362,129 | |
| Carburetted water gas | M cu. ft. | 5,023,569 | | 5,408,725 | |
| Mixed coal and water gas, not separately reported above | M cu. ft. | 98,531 | | 236,753 | |
| Lil gas by vapourizing distillate | M cu. ft. | 68,745 | | 68,675 | |
| Acetylene gas | M cu. ft. | 1,463 | | 1,304 | |
| Total gas made | M cu. ft. | 13,507,487 | | 14,067,676 | |
| GAS DISTRIBUTION— | | | | | |
| Gas used in heating ovens or retorts | M cu. ft. | 38,957 | | 54,838 | |
| Gas otherwise used in plant or otherwise accounted for but not sold | M cu. ft. | 89,211 | | 80,554 | |
| Gas not accounted for | M cu. ft. | 1,314,450 | | 1,352,392 | |
| Gas sold | M cu. ft. | 12,064,869 | 14,047,306 | 12,575,892 | 14,417,052 |
| By-Products— | | | | | |
| Made for use— | | | | | |
| Coke | short ton | 178,325 | 965,359 | 217,802 | 1,188,472 |
| Tar and tar products | Imp. gal. | 186,876 | 12,909 | 216,308 | 16,719 |
| Other products | | | 178 | | 537 |
| Made for sale— | | | | | |
| Coke | short ton | 288,888 | 2,075,339 | 253,294 | 1,884,678 |
| Tar and tar products: | | | | | |
| (a) from coal gas | Imp. gal. | 6,671,989 | 509,867 | 6,911,352 | 562,434 |
| (b) from water or oil gas | Imp. gal. | 927,973 | 57,680 | 876,947 | 55,629 |
| Ammonia liquor | lb. NH ₃ | 1,542,827 | 102,514 | 3,430,683 | 63,973 |
| Light oils | Imp. gal. | 9,307 | 1,861 | 6,300 | 1,260 |
| All other by-products | | | 101,526 | | 72,506 |
| Total by-products | | | 3,827,173 | | 3,847,208 |
| Total value of gas sold and by-products made | | | 17,874,479 | | 18,264,260 |

Table 87.—Total Production of Artificial Gas in Canada, 1925 and 1926

| | 1925 | | 1926 | |
|--------------------------------------------------------|-------------------|-----------|-------------------|-----------|
| | Quantity | | Quantity | |
| | M cu. ft. | M cu. ft. | M cu. ft. | M cu. ft. |
| GAS MADE IN— | | | | |
| Illuminating and fuel gas industry (see Table 86)..... | 13,507,487 | | 14,067,676 | |
| Coke industry: | | | | |
| Gas used in heating ovens or retorts..... | 5,008,236 | | 6,774,384 | |
| Gas otherwise used in plant but not sold..... | 5,991,999 | | 9,890,901 | |
| Gas sold..... | 1,124,237 | | 1,225,801 | |
| Total gas made in the coke industry..... | 12,124,442 | | 17,891,146 | |
| Petroleum refining industry..... | 1,019,755 | | 1,532,430 | |
| Total..... | 26,651,684 | | 33,491,252 | |

Table 88.—Production and Sales of Artificial Gas from the Illuminating and Fuel Gas Industry of Canada, 1919-1926

| Year | Production M cu. ft. | Sales | |
|-----------|-------------------------|------------|----------------------|
| | | Quantity | Income from sales |
| | | M cu. ft. | \$ |
| 1919..... | 10,138,446 | 9,274,458 | 9,190,369 |
| 1920..... | 12,701,733 | 12,087,374 | 13,385,951 |
| 1921..... | 12,390,904 | 11,784,590 | 15,241,640 |
| 1922..... | 12,013,567 | 11,962,619 | 15,041,864 |
| 1923..... | 13,595,429 | 12,781,965 | 15,260,683 |
| 1924..... | 13,227,402 | 11,879,111 | 14,268,315 |
| 1925..... | 13,507,487 | 12,064,863 | 14,047,306 |
| 1926..... | 14,067,676 | 12,573,892 | 14,417,052 |

Primary Production—Natural Gas (From the annual report on the *Mineral Production of Canada*, 1926)—The natural gas production in Canada during 1926 showed a substantial increase over the total for the preceding year. This year's production amounted to 19,208,209 thousand cubic feet valued at \$7,557,174; in 1925 the figures were 16,902,897 thousand feet worth \$6,833,005. The province of Alberta continues to hold the premier position with a total of 10,794,697 thousand cubic feet; Ontario was next in order with 7,764,996 thousand cubic feet; and New Brunswick followed with 648,316 thousand cubic feet. Average prices per thousand cubic feet were as follows: New Brunswick, 19 cents; Ontario, 56.8 cents; and Alberta, 28 cents.

Alberta's augmented production of natural gas was due in the main part to the increased output of wells in the Turner Valley field. The bringing in of these wells has insured a dependable supply of gas to the industrial area of Calgary.

Table 89.—Production of Natural Gas in Canada and Imports, 1925 and 1926

| Province | 1925 | | 1926 | |
|----------------------------------------------------------------------|-------------------|------------------|-------------------|------------------|
| | M cu. ft. | Value | M cu. ft. | Value |
| | | \$ | | \$ |
| Production— | | | | |
| New Brunswick..... | 639,235 | 122,384 | 648,316 | 128,300 |
| Ontario..... | 7,143,962 | 3,958,006 | 7,764,996 | 4,409,593 |
| Manitoba..... | 200 | 00 | 200 | 60 |
| Alberta..... | 9,119,500 | 2,752,545 | 10,794,697 | 3,019,221 |
| Total..... | 16,902,897 | 6,833,005 | 19,208,209 | 7,557,174 |
| Imports— | | | | |
| Gas for cooking, heating or illuminating, imported by pipe line..... | 63,614 | 40,542 | 119,310 | 74,942 |

CHAPTER EIGHT.

GLASS.

This review on the glass industry in Canada covers the operations of all plants in Canada engaged in (a) the manufacture of pressed and blown glass, and (b) the bevelling, cutting and bending of imported glass—there being no plate or sheet glass manufactured in Canada—to produce, mirror plate, cut glass, etc., and the assembling or cutting of art glass, leaded glass, memorial windows, etc.

During 1926 production of pressed and blown glass in Canada amounted in value to \$8,390,035 and the output of plate, cut and ornamental glass reached a value of \$3,280,234, making a total for the industry of \$11,670,269 as compared with a corresponding figure of \$10,117,604 in 1925. Capital employed in the industry in 1926 totalled \$11,432,823, a decline of more than a million dollars from the figure for 1925; the average number of employees each month was 3,033 as against 2,778 in the previous year and payments for salaries and wages totalled \$3,443,644 as compared with \$3,291,912 in 1925.

Only 7 plants were in operation in the pressed and blown glass industry in 1926; 4 were in Ontario, 2 in Quebec, and 1 in Alberta. Production from these factories was valued at \$8,390,035 as compared with \$7,444,246 from the 10 concerns which were working in 1925. Two factories in Ontario and 1 in Quebec which were in operation in 1925 did not manufacture during 1926. As the industry was dominated by a single concern which operated 4 of the largest plants, detailed information by provinces has not been shown separately for this group.

In the plate, cut and ornamental glass industry which includes all concerns engaged in the bevelling or working of glass to produce such commodities as bevelled plates, cut glass, memorial windows, mirrors, leaded and art glass, etc., the number of plants in operation was 45 and the distribution by provinces was as follows: 7 in Quebec; 28 in Ontario, 5 in British Columbia, 3 in Manitoba, 1 in New Brunswick and 1 in Alberta. Production from plants in this line of work was valued at \$3,280,234 in 1926 as compared with \$2,673,358 in 1925. Of these plants operating in this group in 1926 only 1 reported an output valued at more than a quarter of a million dollars; 8 other concerns each produced glass products worth more than \$100,000; 11 others each exceeded the \$50,000 mark; 6 others each had outputs valued at more than \$25,000; 13 others each exceeded \$10,000 in value; while only 6 concerns reported an output value below the latter figure. Only 3 factories employed more than 50 persons in each; 7 others each carried more than 25 names on the pay-roll; 12 others employed 10 or more people the year round, and 23 different plants employed fewer than 10 hands in each.

For the glass industry as a whole, capital employed amounted to \$11,432,823 which was a decline of 1.3 million dollars from the figure reported for 1925. All the decrease was in the value of lands, buildings and plant equipment which was reported at \$6,457,544 as against \$7,773,399 in the previous year. Ontario and Quebec accounted for the bulk of the investment; each of these provinces reported a capital slightly in excess of 5 million dollars.

Employees in the whole industry numbered 3,033 of whom 1,669 worked in Ontario, 1,174 in Quebec, and 190 in the other provinces. The 289 salaried employees were paid \$535,770 and the average of 2,744 wage-earners received \$2,907,874 for wages during the year. Factories in this line of work employed the greatest number of workers in the month of August. Beginning with 2,152 in January, the number of wage-earners employed increased steadily to the maximum of 2,919 in August, declined to 2,816 in the following month and then increased steadily again to 2,906 in December. The average for the year obtained by adding the individual averages for each company was 2,744.

Cost of fuel and electricity used in the industry in 1926 was \$1,143,180. Consumption of electric power amounted to 15,864,075 k.w.h. at a cost of \$125,251. A total of 65,295 tons of bituminous coal worth \$432,937 were used in the various plants; 3,542,119 gallons of fuel oil cost \$349,776; 255,732 M cubic feet of gas cost \$221,524; and other fuel was worth \$13,602.

Materials used in the glass industry in 1926 cost \$4,884,395 of which \$1,778,073 represented the cost of sheet glass, plate glass, glass blanks, and other materials used in the plate, cut and ornamental glass industry and \$3,106,486 was the value of silica sand, soda ash, and various other materials used in the manufacture of pressed and blown glass.

Imports of glass and glassware into Canada during the calendar year 1926 reached a total value of \$8,515,395 as compared with \$7,155,760 in the previous year. Among the main imports were the following items: 41.9 million square feet of common window glass worth \$1,264,318; plate glass worth \$2,428,076; glass carboys, demijohns, etc., valued at \$1,344,790; cut glass at \$836,581; lamp chimneys and shades worth \$391,360; unfinished lenses at \$97,432; milk bottles at \$33,302; and considerable quantities of stained ornamental and silvered glass and other glass products. Exports of Canadian-made glass and glassware from Canada reached a total value of \$214,896 during 1926 as against \$307,817 in 1925, while re-exports of foreign-made goods of this class amounted in value to \$22,254 during 1926 and \$22,901 during the previous year.

Table 90.—Principal Statistics of the Glass Industry in Canada, 1922-1926

| Year | Number of plants | Capital employed | Number of employees | Salaries and wages | Cost of fuel and electricity | Cost of materials | Selling value of products | Value added by manufacturing |
|------|------------------|------------------|---------------------|--------------------|------------------------------|-------------------|---------------------------|------------------------------|
| | | \$ | | \$ | \$ | \$ | \$ | |
| 1922 | 45 | 15,053,327 | 2,984 | 3,369,854 | 1,064,974 | 3,287,091 | 8,842,588 | 5,555,497 |
| 1923 | 46 | 14,892,372 | 3,350 | 3,778,892 | 1,265,903 | 2,714,515 | 11,098,026 | 7,383,511 |
| 1924 | 48 | 13,304,814 | 3,127 | 2,096,213 | 1,255,190 | 3,067,660 | 10,776,816 | 7,109,156 |
| 1925 | 52 | 12,664,338 | 2,778 | 3,291,912 | 1,101,808 | 4,020,035 | 10,117,604 | 6,088,569 |
| 1926 | 52 | 11,432,823 | 3,033 | 3,443,644 | 1,143,180 | 4,884,559 | 11,670,269 | 6,785,710 |

Table 91.—Principal Statistics of the Glass Industry in Canada by Provinces 1925 and 1926

| Province | 1925 | | | | 1926 | | | |
|------------------|------------------|---------------------|--------------------|---------------------------|------------------|---------------------|--------------------|---------------------------|
| | Number of plants | Number of employees | Salaries and wages | Selling value of products | Number of plants | Number of employees | Salaries and wages | Selling value of products |
| | | | \$ | \$ | | | \$ | \$ |
| Quebec | 10 | 360 | 1,466,105 | 4,189,038 | 9 | 1,174 | 1,263,519 | 4,326,650 |
| Ontario | 32 | 278 | 1,659,990 | 5,352,344 | 32 | 1,069 | 1,964,233 | 6,344,834 |
| Manitoba | 3 | 25 | 32,532 | 97,316 | 3 | 27 | 34,249 | 155,071 |
| British Columbia | 4 | 11 | 10,013 | 16,843 | 5 | 26 | 22,955 | 56,469 |
| Canada* | 52 | 2,778 | 3,291,912 | 10,117,604 | 52 | 3,033 | 3,443,644 | 11,670,269 |

*Includes also data for 1 plant in New Brunswick and 2 in Alberta.

Table 92.—Capital Employed in the Glass Industry in Canada, by Classes and by Provinces, 1925 and 1926

| Province | 1925 | | | | 1926 | | | |
|------------------|-------------------------------------------------|----------------------------------------|-----------------------------------------------------------|-------------------|-------------------------------------------------|----------------------------------------|-----------------------------------------------------------|-------------------|
| | Capital employed as represented by | | | | Capital employed as represented by | | | |
| | Lands, buildings, fixtures, machinery and tools | Materials on hand and stock in process | Cash, trading and operating accounts and bills receivable | Total | Lands, buildings, fixtures, machinery and tools | Materials on hand and stock in process | Cash, trading and operating accounts and bills receivable | Total |
| | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ |
| Quebec | 3,784,212 | 1,520,943 | 539,930 | 5,845,085 | 3,051,223 | 1,396,565 | 672,963 | 5,117,751 |
| Ontario | 3,378,014 | 1,351,646 | 1,111,564 | 5,841,224 | 2,795,761 | 1,494,260 | 1,085,798 | 5,375,819 |
| Manitoba | 56,700 | 37,403 | 11,451 | 105,554 | 56,700 | 47,282 | 12,582 | 116,561 |
| British Columbia | 10,000 | 1,218 | 2,300 | 13,518 | 12,969 | 30,055 | 28,998 | 81,022 |
| Canada* | 7,774,389 | 3,031,256 | 1,887,683 | 12,694,338 | 6,457,544 | 3,060,519 | 1,914,760 | 11,432,823 |

*See footnote to Table 91.

Table 93.—Employees, Salaries and Wages, in the Glass Industry in Canada, by Provinces, 1925 and 1926

| Province | Average number of employees | | | | Salaries and wages | | | |
|-----------------------|-----------------------------|-----------|--------------|------------|--------------------|----------------|------------------|------------------|
| | Salaried employees | | Wage-earners | | Total | Salaries | Wages | Total |
| | Male | Female | Male | Female | | | | |
| 1925 | | | | | | \$ | \$ | \$ |
| Quebec..... | 85 | 25 | 1,109 | 141 | 1,360 | 178,768 | 1,287,337 | 1,466,105 |
| Ontario..... | 114 | 29 | 1,074 | 61 | 1,278 | 307,333 | 1,352,557 | 1,659,890 |
| Manitoba..... | 7 | 1 | 17 | ..... | 25 | 11,510 | 21,022 | 32,532 |
| British Columbia..... | 4 | 1 | 5 | 1 | 11 | 3,780 | 8,233 | 10,013 |
| *Canada..... | 215 | 56 | 2,201 | 210 | 2,778 | 530,774 | 2,761,138 | 3,291,912 |
| 1926 | | | | | | | | |
| Quebec..... | 87 | 26 | 912 | 149 | 1,174 | 169,657 | 1,093,862 | 1,263,519 |
| Ontario..... | 120 | 31 | 1,398 | 120 | 1,669 | 321,650 | 1,642,583 | 1,964,233 |
| Manitoba..... | 6 | 2 | 19 | ..... | 27 | 11,425 | 22,824 | 34,249 |
| British Columbia..... | 4 | 2 | 18 | 2 | 26 | 5,108 | 17,847 | 22,955 |
| *Canada..... | 225 | 64 | 2,456 | 289 | 3,033 | 535,770 | 2,907,874 | 3,443,644 |

*See footnote to Table 91.

Table 94.—Wage-Earners Employed in the Glass Industry in Canada, by Months, 1925 and 1926

| Month | 1925 | | | 1926 | | |
|----------------------|--------------|------------|--------------|--------------|------------|--------------|
| | Male | Female | Total | Male | Female | Total |
| January..... | 2,241 | 175 | 2,416 | 2,025 | 127 | 2,152 |
| February..... | 2,202 | 197 | 2,399 | 2,279 | 148 | 2,387 |
| March..... | 2,188 | 200 | 2,388 | 2,256 | 161 | 2,417 |
| April..... | 2,191 | 202 | 2,393 | 2,279 | 177 | 2,456 |
| May..... | 2,227 | 211 | 2,438 | 2,437 | 263 | 2,700 |
| June..... | 2,439 | 221 | 2,660 | 2,448 | 322 | 2,770 |
| July..... | 2,179 | 175 | 2,351 | 2,500 | 278 | 2,778 |
| August..... | 2,185 | 191 | 2,376 | 2,608 | 311 | 2,919 |
| September..... | 2,039 | 165 | 2,204 | 2,528 | 388 | 2,916 |
| October..... | 2,622 | 227 | 2,849 | 2,533 | 300 | 2,842 |
| November..... | 2,618 | 240 | 2,858 | 2,573 | 324 | 2,897 |
| December..... | 2,655 | 211 | 2,866 | 2,594 | 312 | 2,906 |
| Average*..... | 2,291 | 210 | 2,501 | 2,455 | 289 | 2,744 |

*See footnote on page 13.

Table 95.—Hours of Labour (in Month of Greatest Employment) in the Glass Industry in Canada, by Provinces, 1926

| Province | Number of wage-earners working | | | | Average number of hours worked per man per week when working | | | |
|-----------------------|--------------------------------|---------|----------|---------------|--------------------------------------------------------------|---------|----------|---------------|
| | 8 hours or less per day | 9 hours | 10 hours | Over 10 hours | 8 hours or less per day | 9 hours | 10 hours | Over 10 hours |
| New Brunswick..... | | 3 | | | | 54 | | |
| Quebec..... | 427 | 148 | 431 | 265 | 48 | 50 | 58 | 75 |
| Ontario..... | 783 | 393 | 320 | 367 | 822 | 910 | 289 | 277 |
| Manitoba..... | 20 | 3 | | | 44 | 49 | | |
| Alberta..... | 125 | 46 | | | 96 | 54 | | |
| British Columbia..... | 22 | | | | 44 | | | |

Table 96.—Fuel and Electricity Used in the Glass Industry in Canada, 1925 and 1926

| Kind | Unit of measure | 1925 | | 1926 | |
|----------------------|-----------------|------------|------------------|------------|------------------|
| | | Quantity | Value | Quantity | Value |
| | | | \$ | | \$ |
| Anthracite coal..... | short ton | 1,776 | 12,048 | 327 | 4,818 |
| Bituminous coal..... | short ton | 41,513 | 276,213 | 65,295 | 432,937 |
| Lignite coal..... | short ton | | | 15 | 131 |
| Coke..... | short ton | 198 | 2,353 | 193 | 2,154 |
| Gasoline..... | Imp. Gal. | 66,386 | 8,388 | 20,827 | 6,308 |
| Fuel oil..... | Imp. Gal. | 5,179,268 | 598,523 | 3,542,119 | 349,776 |
| Gas..... | M cu. ft. | 189,306 | 165,810 | 255,732 | 221,524 |
| Wood..... | cord | 11 | 142 | 14 | 162 |
| Other fuel..... | | | 604 | | 59 |
| Electric power..... | k.w.h. | 14,873,797 | 127,732 | 15,864,075 | 125,251 |
| Total | | | 1,101,808 | | 1,144,189 |

Table 97.—Power Employed in the Glass Industry in Canada, 1925 and 1926

| Description | 1925 | | 1926 | |
|---------------------------------------------------------|-----------------|-----------------------------------------------|-----------------|-----------------------------------------------|
| | Number of units | Total h.p. according to manufacturers' rating | Number of units | Total h.p. according to manufacturers' rating |
| Steam engines and turbines..... | | | 1 | 100 |
| Gas engines..... | 2 | 300 | 2 | 300 |
| Hydraulic turbines and water wheels..... | 1 | 3 | 3 | |
| <i>Total primary power</i> | 3 | 303 | 3 | 400 |
| Electric motors run by purchased power..... | 335 | 4,155 | 440 | 6,045 |
| Total power employed | 338 | 4,458 | 443 | 6,445 |
| Electric motors run by primary power in same plant..... | 133 | 2,512 | | |
| <i>Total electric motors</i> | 468 | 6,887 | 440 | 6,045 |
| Boilers..... | 14 | 824 | 26 | 1,254 |

Table 98.—Materials Used in the Glass Industry in Canada, 1925 and 1926

| Material | Unit of measure | 1925 | | 1926 | |
|---------------------------------------------------|-----------------|-----------|------------------|-----------|------------------|
| | | Quantity | Cost at works | Quantity | Cost at works |
| | | | \$ | | \$ |
| PLATE, CUT AND ORNAMENTAL GLASS INDUSTRY:— | | | | | |
| Figured and cathedral glass..... | sq. ft. | 309,897 | 71,067 | 382,419 | 45,820 |
| Glass blanks..... | | | 187,028 | | 174,921 |
| Plate glass..... | sq. ft. | 1,457,306 | 814,436 | 2,255,091 | 1,104,977 |
| Sheet and window glass..... | sq. ft. | 2,116,358 | 262,424 | 3,677,320 | 317,907 |
| Grinding and polishing materials..... | | | 7,968 | | 16,567 |
| Lead..... | lb. | | 16,893 | 236,360 | 38,975 |
| Solder..... | lb. | | 3,958 | 24,113 | 6,380 |
| Silver nitrate..... | lb. | 1,323 | 16,222 | 2,105 | 15,260 |
| All other materials..... | | | 62,962 | | 46,799 |
| Containers, boxes, packages, etc..... | | | 10,389 | | 10,467 |
| Total | | | 1,447,917 | | 1,778,073 |
| PRESSED AND BLOWN GLASS INDUSTRY:— | | | | | |
| Manufacturing materials used..... | | | 2,026,735 | | 2,623,811 |
| Boxes, cases, lumber, etc..... | | | 554,383 | | 482,675 |
| Total | | | 2,581,118 | | 3,106,486 |
| Total | | | 4,029,035 | | 4,884,559 |

Table 99.—Products of the Glass Industry in Canada, 1925 and 1926

| Product | Total selling value at works | |
|--------------------------------------------------|------------------------------|-------------------|
| | 1925 | 1926 |
| PLATE, CUT AND ORNAMENTAL GLASS— | \$ | \$ |
| Bent glass..... | 2,280 | 5,619 |
| Bevelled and ground edge plates..... | | 950,136 |
| Silvered mirror plate..... | 1,058,155 | 652,511 |
| Plate glass..... | | 250,936 |
| Cut glass..... | 506,475 | 420,006 |
| Glass signs..... | | 2,515 |
| Leaded glass..... | 139,548 | 178,642 |
| Leaded lights and domes..... | 40,138 | 17,828 |
| Memorial windows..... | 96,249 | 110,407 |
| Ornamental glass..... | 71,568 | 118,206 |
| Show cases..... | | 32,000 |
| Store fronts..... | 648,025 | 58,311 |
| Plain sheet and window glass..... | | 370,090 |
| All other products..... | 90,640 | 86,101 |
| Amount received for custom work and repairs..... | 11,280 | 26,926 |
| Total..... | 2,673,358 | 3,280,234 |
| PRESSED AND BLOWN GLASS— | | |
| Pressed and blown glass..... | 7,373,733 | 8,266,626 |
| All other products (x)..... | 70,513 | 123,409 |
| Total..... | 7,444,246 | 8,390,035 |
| Total..... | 10,117,604 | 11,670,269 |

(x) Includes zinc and tin bottle caps, vials from glass tubing and other products.

Table 100.—Imports into Canada and Exports of Glass and Glassware, 1925 and 1926

| Commodity | Unit of measure | 1925 | | 1926 | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------|------------------|------------|------------------|
| | | Quantity | Value | Quantity | Value |
| IMPORTS— | | | \$ | | \$ |
| Cut, pressed and blown glass— | | | | | |
| Glass plates or discs, rough cut or unwrought, for use in the manufacture of optical instruments, when imported by manufacturers of such optical instruments..... | | | 76,713 | | 82,752 |
| Glass milk bottles..... | | | 44,576 | | 33,302 |
| Glass carboys or demijohns, bottles, decanters, flasks, jars and phials..... | | | 1,108,285 | | 1,344,790 |
| Glass balls and cut, pressed or moulded crystal glass tableware, blown glass tableware, and other cut glassware..... | | | 688,801 | | 836,581 |
| Incandescent lamp bulbs and glass tubing for use in the manufacture of incandescent lamps..... | | | 378,219 | | 560,395 |
| Lamp chimneys, glass shades or globes..... | | | 330,182 | | 391,360 |
| Lenses, glass, unfinished..... | | | 149,825 | | 97,432 |
| Plate, sheet and window glass— | | | | | |
| Common and colourless window glass..... | sq. ft. | 35,586,388 | 1,248,712 | 41,874,498 | 1,204,318 |
| Glass, cut to size for the manufacture of dry plates for photographic purposes..... | | | 5,074 | | 8,365 |
| Plate glass, not bevelled, in sheets or panes not exceeding 7 sq. ft. each, n.o.p..... | sq. ft. | 2,516,402 | 1,031,956 | 3,756,968 | 1,527,128 |
| Plate glass, not bevelled, in sheets or panes exceeding 7 sq. ft. each, and not exceeding 25 sq. ft. each, n.o.p..... | sq. ft. | 556,643 | 293,912 | 672,197 | 334,396 |
| Plate glass, n.o.p..... | sq. ft. | 898,016 | 492,708 | 1,043,432 | 554,005 |
| Plate glass, bevelled, n.o.p..... | sq. ft. | 19,552 | 10,431 | 27,550 | 12,547 |
| Glass in sheets and bent plate glass, n.o.p..... | | | 187,924 | | 224,445 |
| Stained, ornamental and silvered glass— | | | | | |
| Lenses, silvered for automobile lamps..... | | | 191 | | 316 |
| Ornamental, figured and enamelled coloured glass, and memorial or other ornamental window glass..... | | | 6,119 | | 5,753 |
| Painted or vitrified, clipped, figured, enamelled and obscured white glass..... | | | 25,180 | | 20,399 |
| Plain, coloured, opaque, stained or tinted or muffled glass in sheets..... | | | 6,973 | | 10,301 |
| Stained or ornamental glass windows..... | | | 20,551 | | 13,128 |
| Silvered glass, bevelled or not, framed or not framed..... | | | 192,098 | | 211,042 |
| Other glass and glassware— | | | | | |
| Articles of glass, not plate or sheet, designed to be cut or mounted..... | | | 185,886 | | 186,683 |
| Photographic dry plates..... | | | 21,416 | | 24,980 |
| Spectacles, eye-glasses and ground or finished spectacle or eye-glass lenses..... | | | 79,609 | | 96,361 |
| Manufactures of glass, n.o.p..... | | | 570,413 | | 674,616 |
| Total..... | | | 7,155,760 | | 8,515,395 |
| EXPORTS— | | | | | |
| Glass for lighting..... | | | 39,064 | | 18,058 |
| Glass and glassware, n.o.p..... | | | 268,753 | | 190,838 |
| Total..... | | | 307,817 | | 214,896 |

CHAPTER NINE.

LIME.

A substantial increase in the production of lime in Canada was recorded in 1926 when the output totalled 11,825,736 bushels worth \$3,781,484 as compared with 10,256,542 bushels valued at \$3,387,652 in 1925. Output of quicklime increased to 9,945,336 bushels from 8,529,399 bushels and the quantity of hydrated lime gained to 1,880,400 bushels from 1,727,143 bushels in the immediate preceding year. Increases in the total quantity produced were general throughout the producing provinces.

Sixty different plants were in operation in this industry in 1926 and the distribution by provinces was as follows: Ontario, 28; Quebec, 5; New Brunswick, 6; Manitoba, 4; British Columbia, 3; Alberta and Nova Scotia, 2 each. As compared with 1925 there were 6 fewer operators in Quebec, while Ontario, Manitoba, and New Brunswick each reported 1 more establishment in operation; there was thus a net decline of 2 in the number of active plants in 1926.

The greatest development in the lime-burning industry in Canada has been in the province of Ontario and to a lesser extent in Quebec. Apart from the fact that the chemical and physical properties of the limestone in these provinces make it suitable for burning in kilns, the more extensive building and construction operations provide a ready market for the burned lime. In 1926, Ontario produced 6,522,747 bushels or 45 per cent of the lime made in Canada; Quebec made 2,849,635 bushels; British Columbia, 728,633 bushels; Manitoba, 685,389 bushels; New Brunswick, 477,226 bushels; Nova Scotia, 453,793 bushels; and Alberta, 108,309 bushels. There was no production in Prince Edward Island or Saskatchewan. Each of the producing provinces showed a higher output than in 1925 with Nova Scotia showing the greatest development during the year.

Capital employed by these concerns was reported at \$5,825,809 of which 81 per cent, or \$4,713,056, was the value of lands, buildings, machinery and plant fixtures. Ontario showed the greatest investment at \$2,012,922 while Quebec reported \$1,615,905 and British Columbia showed \$1,173,439 under this item.

The number of employees in the various lime-burning plants in 1926 was 1,106 as compared with 1,006 in 1925. Kilns in Ontario gave work to 445 people; Quebec, 276; British Columbia, 144; New Brunswick, 92; Manitoba, 91; and Nova Scotia and Alberta 58. The 89 salaried employees were paid \$157,950 during the year and payments for wages to the 1,017 wage-earners amounted to \$924,904. October was the month of maximum employment when there were 1,033 wage-earners employed and February with 786 was the month of least activity.

Power requirements in the industry were comparatively large at 3,778 h.p. Primary power units included 23 steam engines, 3 gas engines, 4 oil and gasoline engines and 1 water wheel, a total of 31 units rated at 1,143 h.p. Secondary units included 143 electric motors run by purchased power and 34 electric motors which were operated by primary power of the industry; the latter, of course, duplicate the primary power and are not included in the total h.p. employed. There were installed also 20 boilers rated at 1,078 in the different plants.

Fuel and power costs amounted to \$738,990 and included as the main item, 63,760 tons of bituminous coal worth \$392,279; 58,932 cords of wood at \$258,133; 9,948 tons of coke at \$72,810; and 2,333,680 k.w.h. of electricity at a cost of \$50,072.

Of the total production of quicklime, 3,425,761 bushels or 34 per cent were intended for use in chemical works, 2,527,255 bushels for pulp and paper mills; 1,206,425 bushels for the building trades; smelters, refineries, glassworks, sugar refineries, tanneries and other industries took the remainder. Fifty-seven per cent of the hydrated lime or 37,386 tons was intended for use in the building trades.

Imports of lime during 1926 were listed at 110,509 bushels valued at \$42,855 and exports reached 534,618 bushels worth \$344,616.

Table 101.—Principal Statistics of the Lime Industry in Canada, 1922-1926

| Year | Number of plants | Capital employed | Number of employees | Salaries and wages | Cost of fuel and electricity | Miscellaneous expenses | Selling value of products |
|-----------|------------------|------------------|---------------------|--------------------|------------------------------|------------------------|---------------------------|
| | | \$ | | \$ | \$ | \$ | \$ |
| 1922..... | 62 | 4,984,910 | 1,110 | 1,013,486 | *725,168 | 522,222 | 3,165,065 |
| 1923..... | 56 | 6,050,954 | 1,197 | 1,191,416 | 953,709 | 806,916 | 3,206,608 |
| 1924..... | 49 | 5,165,964 | 927 | 970,672 | 740,878 | 757,898 | 3,178,541 |
| 1925..... | 52 | 5,154,046 | 1,006 | 960,434 | 762,814 | 673,447 | 3,387,652 |
| 1926..... | 60 | 5,825,809 | 1,106 | 1,082,854 | 788,990 | (a) | 3,781,484 |

* Electricity not included.

(a) Data not available.

Table 102.—Principal Statistics of the Lime Industry in Canada, by Provinces, 1925 and 1926

| Province | 1925 | | | | 1926 | | | |
|-----------------------|------------------|---------------------|--------------------|---------------------------|------------------|---------------------|--------------------|---------------------------|
| | Number of plants | Number of employees | Salaries and wages | Selling value of products | Number of plants | Number of employees | Salaries and wages | Selling value of products |
| | | | \$ | \$ | | | \$ | \$ |
| New Brunswick..... | 5 | 64 | 46,520 | 92,216 | 6 | 92 | 67,282 | 196,477 |
| Quebec..... | 21 | 268 | 203,692 | 673,330 | 15 | 276 | 264,278 | 766,116 |
| Ontario..... | 27 | 467 | 514,862 | 2,044,125 | 28 | 445 | 485,715 | 2,051,446 |
| Manitoba..... | 3 | 67 | 54,289 | 170,230 | 4 | 91 | 73,776 | 251,269 |
| British Columbia..... | 3 | 120 | 121,060 | 364,435 | 3 | 144 | 140,085 | 410,882 |
| Canada* | 62 | 1,006 | 960,434 | 3,387,652 | 69 | 1,106 | 1,082,854 | 3,781,484 |

*Includes also data for 2 plants in Alberta in 1925 and 1926, and 1 plant in Nova Scotia in 1925 and 2 in 1926.

Table 103.—Capital Employed in the Lime Industry in Canada, by Provinces, 1925 and 1926

| Province | 1925 | | | | 1926 | | | |
|-----------------------|---------------------------------------------|-----------------------------------------|------------------------------------------------------------|------------------|---------------------------------------------|-----------------------------------------|------------------------------------------------------------|------------------|
| | Lands, buildings, plant machinery and tools | Materials on hand and stocks in process | Cash, trading, and operating accounts and bills receivable | Total | Lands, buildings, plant machinery and tools | Materials on hand and stocks in process | Cash, trading, and operating accounts and bills receivable | Total |
| | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ |
| New Brunswick..... | 193,712 | 27,352 | 27,708 | 248,772 | 212,339 | 25,264 | 39,322 | 276,925 |
| Quebec..... | 1,030,409 | 113,441 | 176,290 | 1,320,140 | 1,194,764 | 168,214 | 252,927 | 1,615,905 |
| Ontario..... | 1,520,717 | 226,863 | 134,054 | 1,881,464 | 1,636,927 | 203,370 | 172,625 | 2,012,922 |
| Manitoba..... | 398,849 | 21,621 | 12,605 | 433,075 | 522,217 | 19,229 | 22,586 | 564,032 |
| British Columbia..... | 935,190 | 32,183 | 123,348 | 1,090,731 | 1,002,481 | 51,598 | 119,360 | 1,173,439 |
| Canada* | 4,224,019 | 437,565 | 492,462 | 5,154,046 | 4,713,056 | 484,470 | 628,283 | 5,825,809 |

*See footnote to Table 102.

Table 104.—Employees, Salaries and Wages in the Lime Industry in Canada, by Provinces, 1925 and 1926

| Province | Average number of employees | | | | Salaries and wages | | | |
|-----------------------|-----------------------------|-----------|--------------|--------|--------------------|----------------|----------------|------------------|
| | Salaried employees | | Wage-earners | | Total | Salaries | Wages | Total |
| | Male | Female | Male | Female | | | | |
| | | | | | \$ | \$ | \$ | |
| 1925 | | | | | | | | |
| New Brunswick..... | 13 | 2 | 49 | | 64 | 15,191 | 31,329 | 46,520 |
| Quebec..... | 15 | | 253 | | 268 | 26,104 | 178,588 | 203,692 |
| Ontario..... | 31 | 9 | 427 | | 467 | 77,188 | 437,676 | 514,862 |
| Manitoba..... | 4 | | 63 | | 67 | 5,950 | 48,339 | 54,289 |
| British Columbia..... | 8 | 2 | 110 | | 120 | 17,252 | 103,808 | 121,060 |
| Canada* | 75 | 14 | 917 | | 1,066 | 145,983 | 814,451 | 960,434 |
| 1926 | | | | | | | | |
| New Brunswick..... | 13 | | 79 | | 92 | 19,705 | 47,576 | 67,282 |
| Quebec..... | 15 | 1 | 280 | | 296 | 32,920 | 231,358 | 264,278 |
| Ontario..... | 30 | 7 | 408 | | 445 | 72,727 | 412,988 | 485,715 |
| Manitoba..... | 7 | | 84 | | 91 | 11,200 | 62,576 | 73,776 |
| British Columbia..... | 9 | 3 | 132 | | 144 | 16,497 | 123,588 | 140,085 |
| Canada* | 77 | 12 | 1,017 | | 1,106 | 157,950 | 824,904 | 1,082,854 |

*See footnote to Table 102.

Table 105.—Wage-Earners Employed in the Lime Industry in Canada, by Months and by Provinces, 1926

| Month | New Brunswick | Quebec | Ontario | Manitoba | British Columbia | Canada* |
|-------------------------------|---------------|------------|------------|-----------|------------------|--------------|
| January..... | 37 | 168 | 401 | 56 | 130 | 835 |
| February..... | 38 | 171 | 345 | 53 | 127 | 796 |
| March..... | 39 | 187 | 367 | 71 | 129 | 846 |
| April..... | 68 | 184 | 308 | 98 | 135 | 904 |
| May..... | 67 | 224 | 407 | 81 | 137 | 962 |
| June..... | 74 | 263 | 378 | 79 | 138 | 981 |
| July..... | 76 | 268 | 356 | 99 | 131 | 971 |
| August..... | 65 | 291 | 348 | 110 | 132 | 985 |
| September..... | 65 | 289 | 385 | 89 | 126 | 996 |
| October..... | 75 | 293 | 391 | 97 | 134 | 1,033 |
| November..... | 73 | 245 | 384 | 84 | 140 | 972 |
| December..... | 66 | 225 | 325 | 72 | 130 | 917 |
| ⋮Average..... | 79 | 260 | 408 | 84 | 132 | 1,017 |
| ⋮Average for 1925..... | 49 | 253 | 427 | 63 | 110 | 917 |

*See footnote to Table 102. †See note, page 53.

Table 106.—Fuel and Electricity Used in the Lime Industry in Canada, 1925 and 1926

| Kind | Unit of measure | 1925 | | 1926 | |
|----------------------|-----------------|-----------|----------------|-----------|----------------|
| | | Quantity | Cost at works | Quantity | Cost at works |
| | | | \$ | | \$ |
| Anthracite coal..... | short ton | 1,582 | 7,173 | 1,226 | 5,687 |
| Bituminous coal..... | short ton | 63,654 | 393,827 | 63,760 | 392,279 |
| Lignite coal..... | short ton | 38 | 329 | 35 | 327 |
| Coke..... | short ton | 5,622 | 48,750 | 9,948 | 72,810 |
| Gasoline..... | Imp. gal. | 1,410 | 396 | 1,088 | 339 |
| Fuel oil..... | Imp. gal. | 278 | 97 | | |
| Wood..... | cord | 59,180 | 257,309 | 58,932 | 258,133 |
| Gas..... | M cu. ft. | 55,737 | 6,777 | 32,613 | 9,343 |
| Other fuel..... | | | 3,276 | | |
| Electricity..... | k.w.h. | 3,123,662 | 44,874 | 2,333,680 | 50,072 |
| Total..... | | | 762,814 | | 788,990 |

Table 107.—Power Employed in the Lime Industry in Canada, 1925 and 1926

| Description | 1925 | | 1926 | |
|-----------------------------------------------------------|-----------------|-----------------------------------------------|-----------------|-----------------------------------------------|
| | Number of units | Total h.p. according to manufacturers' rating | Number of units | Total h.p. according to manufacturers' rating |
| Steam engines and turbines..... | 22 | 1,052 | 23 | 1,034 |
| Gas engines..... | 2 | 24 | 3 | 34 |
| Oil and gasoline engines..... | 5 | 48 | 4 | 45 |
| Hydraulic turbines and water wheels..... | 1 | 30 | 1 | 30 |
| <i>Total primary power.....</i> | <i>30</i> | <i>1,154</i> | <i>31</i> | <i>1,143</i> |
| Electric motors run by purchased power..... | 126 | 2,449 | 143 | 2,635 |
| Total power employed..... | 156 | 3,603 | 174 | 3,778 |
| Electric motors run by primary power of the industry..... | 23 | 264 | 34 | 615 |
| <i>Total electric motors.....</i> | <i>149</i> | <i>2,713</i> | <i>177</i> | <i>3,250</i> |
| Boilers..... | 23 | 1,338 | 20 | 1,078 |

Table 108.—Production of Lime in Canada, by Provinces, 1925 and 1926

| Province | Quicklime sold or used | | Hydrated lime sold or used | | Total | |
|-----------------------|------------------------|-----------------------|----------------------------|-----------------------|-------------------|-----------------------|
| | Quantity | Selling value at kiln | Quantity | Selling value at kiln | Quantity | Selling value at kiln |
| | Bushels | \$ | Bushels | \$ | Bushels | \$ |
| 1925 | | | | | | |
| Nova Scotia..... | 57 | 20 | 8,200 | 3,444 | 8,257 | 3,464 |
| New Brunswick..... | 202,106 | 92,216 | | | 202,106 | 92,216 |
| Quebec..... | 2,272,751 | 601,081 | 269,486 | 72,249 | 2,542,237 | 673,330 |
| Ontario..... | 5,115,974 | 1,566,540 | 1,188,857 | 477,585 | 6,304,831 | 2,044,125 |
| Manitoba..... | 324,515 | 100,833 | 125,800 | 69,397 | 450,315 | 170,230 |
| Alberta..... | 98,938 | 39,852 | | | 98,938 | 39,852 |
| British Columbia..... | 515,058 | 304,223 | 134,800 | 60,212 | 649,858 | 364,435 |
| Canada..... | 8,529,399 | 2,704,765 | 1,727,143 | 682,887 | 10,256,542 | 3,387,652 |
| 1926 | | | | | | |
| Nova Scotia..... | 446,626 | 56,777 | 7,171 | 3,000 | 453,797 | 59,777 |
| New Brunswick..... | 477,226 | 196,477 | | | 477,226 | 196,477 |
| Quebec..... | 2,509,006 | 667,480 | 340,629 | 98,636 | 2,849,635 | 766,116 |
| Ontario..... | 5,402,261 | 1,593,468 | 1,120,486 | 457,978 | 6,522,747 | 2,051,446 |
| Manitoba..... | 498,875 | 147,401 | 186,514 | 103,868 | 685,389 | 251,269 |
| Alberta..... | 108,309 | 39,517 | | | 108,309 | 39,517 |
| British Columbia..... | 503,033 | 317,733 | 225,600 | 99,149 | 728,633 | 416,882 |
| Canada..... | 9,945,336 | 3,018,833 | 1,886,406 | 761,631 | 11,825,736 | 3,781,484 |

Table 109.—Production of Lime in Canada, 1925 and 1926, Showing Purposes for Which Sold and Used

| Purpose for which sold or used | 1925 | | | | 1926 | | | |
|--------------------------------------|------------------|-----------------|---------------|----------------|------------------|------------------|---------------|----------------|
| | Quicklime | | Hydrated lime | | Quicklime | | Hydrated lime | |
| | Bushels | Value* | Tons | Value* | Bushels | Value* | Tons | Value* |
| | | \$ | | \$ | | \$ | | \$ |
| Building trades..... | 1,003,084 | 369,074 | 29,658 | 358,178 | 1,206,425 | 432,613 | 37,386 | 454,261 |
| Chemical works..... | 3,145,399 | 992,060 | 2,325 | 18,576 | 3,425,760 | 1,022,796 | 501 | 3,507 |
| Glass works..... | 78,633 | 21,06 | | | 119,767 | 34,165 | | |
| Smelters..... | 181,749 | 58,04 | | | 663,359 | 124,250 | | |
| Pulp and paper mills..... | 2,028,002 | 479,025 | 5,569 | 37,562 | 2,527,255 | 622,440 | 5,382 | 39,757 |
| Sugar refineries..... | 314,786 | 94,074 | | | 298,561 | 100,394 | | |
| Tanneries..... | 98,414 | 30,42 | 177 | 1,272 | 56,437 | 17,399 | 225 | 1,850 |
| Agricultural uses (fertilizers)..... | 13,667 | 2,84 | 611 | 5,119 | 7,243 | 2,150 | 890 | 7,067 |
| Dealers (uses unspecified)..... | 868,658 | 278,060 | 16,092 | 198,430 | 899,078 | 280,597 | 13,222 | 153,419 |
| Other consumers..... | 796,987 | 377,086 | 5,118 | 63,750 | 741,451 | 373,049 | 8,208 | 102,830 |
| Total sold or used..... | 8,529,399 | 2,701,65 | 60,450 | 682,887 | 9,915,336 | 3,018,853 | 65,814 | 762,631 |

*Total selling value at kiln.

Table 110.—Production, Imports and Exports of Lime, 1925 and 1926

| | 1925 | | 1926 | |
|-----------------|------------|-----------|------------|-----------|
| | Bushels | Value | Bushels | Value |
| | | \$ | | \$ |
| Production..... | 10,256,542 | 3,387,652 | 11,825,730 | 3,781,484 |
| Imports..... | 134,314 | 47,639 | 110,509 | 42,855 |
| Exports..... | 465,315 | 312,168 | 534,618 | 344,616 |

CHAPTER TEN

PETROLEUM PRODUCTS

Output of petroleum products from Canadian plants in 1926 amounted in value to \$71,196,311, an increase of 20·4 million dollars over the corresponding figure for 1925 and 14·2 million dollars over the \$57,035,563 in 1922, the former record for the industry. This figure includes the output of petroleum refineries valued at \$70,570,240 and the production of compounding plants worth \$626,071. Reports were received from 23 plants of which 17 were oil refineries and 6 were engaged in compounding lubricating oils and greases. Capital employed was reported at \$57,178,125; the average number of employees was 3,753 and payments for salaries and wages totalled \$5,892,399.

(a) PETROLEUM REFINING.—Of the 17 oil refineries in operation in Canada in 1926, 5 were located in Alberta, 4 in Ontario, 3 in British Columbia, 2 in Quebec and 1 in each of Saskatchewan, Manitoba and Nova Scotia. Operations were started in 1 new plant in British Columbia and 2 in Alberta while 1 refinery in Ontario, which had formerly operated chiefly on experimental work commenced production on a commercial scale. One large company operated six of the largest refineries in Canada at advantageous points across the Dominion.

These concerns employed a capital of \$56,476,449 of which 60 per cent or \$34,022,808 was the value of lands, plants and equipment; \$21,131,638 was the worth of stocks on hand and in process; and 1,322,003 was the sum of all cash, operating, trading accounts and bills receivable. Ontario showed the greatest investment at \$20,441,740 with Quebec next and Nova Scotia third.

The average number of employees during each month of the year was reported at 3,698 and included 491 salaried employees and 3,207 wage-earners. Salaries amounted to \$1,028,346 and wages summed up to \$4,754,243. May was the month of minimum employment with only 3,028 wage-earners at work and the maximum was reached in October with 3,428 names on the wage-rolls.

Most of the oil treated in Canadian refineries is imported; in 1926 the consumption of Canadian oil, including the crude naphtha from the Royalite Oil Co. wells in Alberta, was only 12,203,286 gallons, whereas the quantity of imported oil was 573,263,043 gallons. The latter figure included 478,698,480 gallons from the United States, 29,321,384 from Mexico and 65,243,179 from South America. Only 1 small refinery in Alberta operated entirely on crude from Canadian wells; the other plants in the prairie provinces brought in oil from the United States; establishments in British Columbia, Nova Scotia and Quebec obtained oil from Mexico, South America and United States; and the plants in Ontario used crude from United States as well as the small domestic production in the western section of the province. The crude naphtha from the Royalite wells in Alberta was delivered to the refineries in Regina, Calgary and Loco where it was prepared for the market; in the present report this has been shown as crude oil for refining.

The total cost of materials used in refineries in 1926 was \$50,783,871. The 585,466,329 gallons of crude oil cost \$47,070,281 or 93 per cent of the total; sulphuric acid, caustic soda, litharge, fullers' earth and compounding materials were among the other materials used. Shipping containers cost \$1,957,788.

Refinery production in 1926 was valued at \$70,570,240 of which \$68,174,156 represented the value of sales and \$2,396,084 the worth of products made and used chiefly as fuel in the reporting plants.

Production of gasoline during the year totalled 222,146,704 gallons of which 69,839,231 gallons were obtained by the cracking processes. Final output of fuel and gas oils totalled 228,474,212 gallons and of this total 38,473,341 gallons were used for fuel purposes in the reporting plants and 190,000,871 gallons were made for sale; it is estimated that a further 197,470,904 gallons of fuel and gas oils were used in the cracking process. Other products included 58,502,190 gallons of kerosene; 16,894,609 gallons of lubricating oils; 10,899,799 pounds of grease; 9,858,490 pounds of wax and candles; and 49,672 tons of petroleum coke as well as asphalt, stove oil, residium etc.

(b) LUBRICATING OILS AND GREASES.—Only 6 firms in Canada were included in the lubricating oils and greases section in 1926; 3 were located in Quebec and 3 in Ontario. These factories produced lubricating oil worth \$442,491; core oil valued at \$11,423; greases worth \$74,455; and other products worth \$97,702; a total output value of \$626,071 as against \$959,512 in the previous year. One new concern in Quebec commenced operations in 1926 but 1 factory in each of the provinces of Alberta, Ontario and New Brunswick was taken from the list during the year.

Capital employed in the industry was given at \$701,676; the average number of employees was 55; salaries and wages totalled \$109,810; and materials for use in manufacturing cost \$388,288.

Imports of petroleum products of all kinds into Canada during 1926 were valued at \$52,063,686 as compared with a value of \$43,842,427 in 1925. Exports were appraised at \$2,081,587 in 1926 and at \$1,206,087 in 1925. Details are shown in Table 120.

An estimate of the apparent consumption of certain petroleum products in Canada has been shown in Table 121. By adding the imports to production in Canada and deducting the exports and re-exports the apparent consumption of gasoline in 1926 estimated at 300,949,380 gallons; fuel and gas oils at 299,069,417 gallons; kerosene at 61,759,997 gallons; and lubricating oils at 28,182,731 gallons. Increase or decline of the stocks on hand at the refineries have not been taken into account in the computation and there may be, therefore, a considerable error in the figure for any one year; over a period of years, however, the estimate should be approximately correct.

Table 111.—Principal Statistics of the Petroleum Products Industry in Canada, 1922-1926

| Year | Number of plants | Capital employed | Number of employees | Salaries and wages | Cost of fuel and electricity | Cost of materials | Selling value of products | Value added by manufacturing |
|--------------------------------------|------------------|------------------|---------------------|--------------------|------------------------------|-------------------|---------------------------|------------------------------|
| | | | | \$ | \$ | \$ | \$ | \$ |
| Petroleum refining— | | | | | | | | |
| 1922 | 13 | 61,251,400 | 3,498 | 5,291,285 | 4,227,615 | 38,129,890 | 56,495,821 | 18,365,941 |
| 1923 | 14 | 60,281,861 | 4,185 | 5,531,569 | 4,054,846 | 36,435,306 | 45,571,506 | 9,136,200 |
| 1924 | 17 | 53,096,784 | 3,602 | 5,623,978 | 3,580,032 | 30,660,292 | 48,677,347 | 12,008,055 |
| 1925 | 12 | 49,461,900 | 2,655 | 5,621,898 | 3,432,017 | 27,814,303 | 49,802,615 | 11,988,312 |
| 1926 | 17 | 56,476,449 | 2,698 | 5,782,589 | 3,580,049 | 50,783,871 | 70,570,240 | 19,786,869 |
| Lubricating oils and greases— | | | | | | | | |
| 1922 | 6 | 800,629 | 57 | 101,398 | 4,172 | 283,311 | 539,742 | 256,431 |
| 1923 | 6 | 731,843 | 62 | 116,751 | 6,236 | 381,390 | 709,028 | 327,638 |
| 1924 | 8 | 700,010 | 66 | 125,727 | 6,500 | 423,416 | 732,720 | 310,301 |
| 1925 | 8 | 1,111,640 | 83 | 153,148 | 14,113 | 446,721 | 959,512 | 512,791 |
| 1926 | 6 | 701,676 | 55 | 109,810 | 4,746 | 388,288 | 626,071 | 237,783 |
| Total: | | | | | | | | |
| 1922 | 19 | 62,051,029 | 3,555 | 5,492,683 | 4,231,787 | 38,413,191 | 57,035,563 | 18,622,372 |
| 1923 | 20 | 61,270,704 | 4,252 | 5,648,320 | 4,061,082 | 36,516,696 | 46,280,534 | 9,463,838 |
| 1924 | 25 | 53,797,794 | 3,669 | 5,749,705 | 3,586,532 | 32,092,711 | 41,111,067 | 12,318,358 |
| 1925 | 21 | 50,381,549 | 3,738 | 5,775,046 | 3,447,430 | 38,261,024 | 50,762,127 | 12,501,103 |
| 1926 | 23 | 57,176,125 | 3,753 | 5,892,399 | 3,581,795 | 51,172,159 | 71,196,311 | 20,021,152 |

Table 112.—Principal Statistics of the Petroleum Products Industry in Canada, by Provinces, 1925 and 1926

| Province | 1925 | | | | 1926 | | | |
|--------------------------------------|------------------|---------------------|--------------------|---------------------------|------------------|---------------------|--------------------|---------------------------|
| | Number of plants | Number of employees | Salaries and wages | Selling value of products | Number of plants | Number of employees | Salaries and wages | Selling value of products |
| | | | \$ | \$ | | | \$ | \$ |
| PETROLEUM REFINING— | | | | | | | | |
| Ontario | 3 | 1,779 | 2,702,034 | 10,045,508 | 4 | 1,858 | 2,870,150 | 27,404,452 |
| Alberta | 3 | 225 | 370,757 | 5,454,068 | 5 | 324 | 531,919 | 8,374,671 |
| British Columbia | | | | | 3 | 367 | 612,639 | 4,981,574 |
| Canada ¹ | 13 | 2,655 | 5,621,898 | 49,802,615 | 17 | 3,698 | 5,782,589 | 70,570,240 |
| LUBRICATING OILS AND GREASES— | | | | | | | | |
| Quebec | | | | | 3 | 18 | 31,502 | 189,424 |
| Ontario | 4 | 45 | 95,696 | 480,346 | 3 | 37 | 78,308 | 436,647 |
| Canada ² | 8 | 83 | 153,148 | 959,512 | 6 | 55 | 109,810 | 626,071 |
| Total— | | | | | | | | |
| Ontario | 7 | 1,824 | 2,797,730 | 20,425,854 | 7 | 1,895 | 2,954,458 | 27,841,099 |
| Alberta | 3 | 225 | 370,757 | 5,454,068 | 5 | 324 | 531,919 | 8,374,671 |
| British Columbia | | | | | 3 | 367 | 612,639 | 4,981,574 |
| *Canada | 21 | 3,738 | 5,775,046 | 50,762,127 | 23 | 3,753 | 5,892,399 | 71,196,311 |

¹Includes also data for 2 plants in Quebec and 1 each in Saskatchewan, Alberta and Manitoba; also 2 in British Columbia in 1925.

²Totals for 1925 include data for 2 plants in Quebec and 1 in Alberta and New Brunswick.

³See notes 1 and 2.

Table 113.—Capital Employed in the Petroleum Products Industry in Canada, by Provinces, 1925 and 1926

| Province | 1925 | | | | 1926 | | | |
|--------------------------------------|-------------------------------------------------|-----------------------------------------|------------------------------------------------------------|-------------------|-------------------------------------------------|-----------------------------------------|------------------------------------------------------------|-------------------|
| | Capital employed as represented by | | | | Capital employed as represented by | | | |
| | Lands, buildings, fixtures, machinery and tools | Materials on hand and stocks in process | Cash, trading, and operating accounts and bills receivable | Total | Lands, buildings, fixtures, machinery and tools | Materials on hand and stocks in process | Cash, trading, and operating accounts and bills receivable | Total |
| \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | |
| PETROLEUM REFINING— | | | | | | | | |
| Ontario..... | 9,132,257 | 7,007,905 | 232,800 | 16,372,962 | 11,739,488 | 7,986,878 | 715,374 | 20,441,740 |
| Alberta..... | 3,691,697 | 1,708,279 | 24,344 | 5,424,320 | 3,955,763 | 1,886,541 | 150,798 | 5,993,102 |
| British Columbia..... | | | | | 3,510,465 | 2,009,468 | 94,976 | 5,614,909 |
| Canada*..... | 30,306,107 | 18,840,118 | 315,675 | 49,461,900 | 34,022,808 | 21,131,638 | 1,322,003 | 56,476,449 |
| LUBRICATING OILS AND GREASES— | | | | | | | | |
| Quebec..... | | | | | 95,671 | 34,269 | 50,451 | 180,391 |
| Ontario..... | 292,242 | 114,100 | 190,447 | 596,789 | 226,449 | 100,051 | 194,785 | 521,285 |
| Canada*..... | 538,727 | 165,684 | 416,238 | 1,118,619 | 322,120 | 134,320 | 245,236 | 701,676 |
| Total— | | | | | | | | |
| Ontario..... | 9,421,499 | 7,122,605 | 423,247 | 16,969,751 | 11,965,937 | 8,086,929 | 910,159 | 20,963,025 |
| Alberta..... | 3,691,697 | 1,708,279 | 24,344 | 5,424,320 | 3,955,763 | 1,886,541 | 150,798 | 5,993,102 |
| British Columbia..... | | | | | 3,510,465 | 2,009,468 | 94,976 | 5,614,909 |
| Canada*..... | 30,842,834 | 19,665,802 | 731,913 | 50,580,549 | 34,344,928 | 21,265,958 | 1,567,239 | 57,178,125 |

*See footnote to Table 112.

Table 114.—Employees, Salaries and Wages in the Petroleum Products Industry in Canada by Provinces, 1925 and 1926

| Province | Average number of employees | | | | | Salaries and wages | | |
|--------------------------------------|-----------------------------|-----------|--------------|-----------|--------------|--------------------|------------------|------------------|
| | Salaried employees | | Wage-earners | | Total | Salaries | Wages | Total |
| | Male | Female | Male | Female | | | | |
| | | | | | \$ | \$ | \$ | |
| 1925 | | | | | | | | |
| PETROLEUM REFINING— | | | | | | | | |
| Ontario..... | 140 | 3 | 1,589 | 16 | 1,779 | 354,581 | 2,347,453 | 2,702,034 |
| Alberta..... | 32 | 4 | 187 | 2 | 225 | 86,833 | 283,924 | 370,757 |
| Canada*..... | 364 | 61 | 3,210 | 20 | 3,655 | 913,688 | 4,708,921 | 5,621,898 |
| LUBRICATING OILS AND GREASES— | | | | | | | | |
| Ontario..... | 23 | 2 | 19 | 1 | 45 | 72,464 | 23,232 | 95,696 |
| Canada*..... | 32 | 7 | 40 | 4 | 83 | 101,252 | 51,896 | 153,148 |
| Total— | | | | | | | | |
| Ontario..... | 163 | 36 | 1,608 | 17 | 1,824 | 427,045 | 2,370,685 | 2,797,730 |
| Alberta..... | 32 | 4 | 187 | 2 | 225 | 86,833 | 283,924 | 370,757 |
| Canada*..... | 396 | 68 | 3,250 | 24 | 3,738 | 1,011,940 | 4,760,106 | 5,775,046 |
| 1926 | | | | | | | | |
| PETROLEUM REFINING— | | | | | | | | |
| Ontario..... | 177 | 36 | 1,627 | 18 | 1,858 | 446,110 | 2,430,040 | 2,876,150 |
| Alberta..... | 47 | 4 | 270 | 3 | 324 | 113,687 | 418,232 | 531,919 |
| British Columbia..... | 74 | 3 | 290 | | 367 | 141,225 | 472,414 | 613,639 |
| Canada*..... | 426 | 65 | 3,184 | 24 | 3,699 | 1,028,340 | 4,754,243 | 5,782,589 |
| LUBRICATING OILS AND GREASES— | | | | | | | | |
| Quebec..... | 6 | 3 | 7 | 2 | 18 | 22,226 | 9,276 | 31,502 |
| Ontario..... | 16 | 2 | 18 | 1 | 37 | 56,185 | 22,123 | 78,308 |
| Canada*..... | 22 | 5 | 25 | 3 | 55 | 78,411 | 31,300 | 109,810 |
| Total— | | | | | | | | |
| Ontario..... | 193 | 38 | 1,645 | 19 | 1,895 | 502,295 | 2,452,163 | 2,954,458 |
| Alberta..... | 47 | 4 | 270 | 3 | 324 | 113,687 | 418,232 | 531,919 |
| British Columbia..... | 74 | 3 | 290 | | 367 | 141,225 | 472,414 | 613,639 |
| Canada*..... | 448 | 76 | 3,209 | 26 | 3,753 | 1,106,757 | 4,782,642 | 5,892,399 |

*See footnote to Table 112.

Table 115.—Wage-Earners Employed in the Petroleum Products Industry in Canada, by Months, 1925 and 1926

| Month | 1925 | | | | 1926 | | | |
|-----------|--------------------|--------|------------------------------|-------|--------------------|--------|------------------------------|-------|
| | Petroleum refining | | Lubricating oils and greases | Total | Petroleum refining | | Lubricating oils and greases | Total |
| | Male | Female | | | Male | Female | | |
| January | 3,103 | 16 | 40 | 3,159 | 3,111 | 23 | 28 | 3,162 |
| February | 3,001 | 20 | 39 | 3,060 | 3,124 | 21 | 27 | 3,172 |
| March | 3,133 | 19 | 40 | 3,192 | 3,040 | 21 | 28 | 3,089 |
| April | 3,172 | 19 | 42 | 3,233 | 3,030 | 22 | 27 | 3,079 |
| May | 3,238 | 18 | 46 | 3,302 | 3,028 | 22 | 28 | 3,077 |
| June | 3,315 | 17 | 43 | 3,375 | 3,055 | 20 | 29 | 3,104 |
| July | 3,403 | 18 | 45 | 3,466 | 3,116 | 19 | 29 | 3,164 |
| August | 3,497 | 22 | 46 | 3,565 | 3,353 | 18 | 29 | 3,400 |
| September | 3,328 | 22 | 43 | 3,393 | 3,269 | 19 | 30 | 3,318 |
| October | 3,193 | 23 | 46 | 3,262 | 3,428 | 24 | 27 | 3,479 |
| November | 3,081 | 23 | 46 | 3,150 | 3,331 | 31 | 27 | 3,389 |
| December | 3,031 | 24 | 43 | 3,098 | 3,144 | 31 | 27 | 3,202 |
| Average* | 3,210 | 20 | 44 | 3,274 | 3,184 | 23 | 28 | 3,235 |

*See note on page 23.

Table 116.—Fuel and Electricity Used in the Petroleum Products Industry in Canada, 1925 and 1926

| Kind | Unit of measure | 1925 | | 1926 | |
|-----------------|-----------------|------------|------------------|------------|------------------|
| | | Quantity | Value | Quantity | Value |
| | | | \$ | | \$ |
| Anthracite coal | short ton | 19,543 | 102,660 | 8 | 123 |
| Bituminous coal | short ton | 179,873 | 750,055 | 163,983 | 796,211 |
| Coke | short ton | 5,192 | 30,771 | 14,722 | 57,055 |
| Fuel oil | Imp. Gal. | 36,227,328 | 1,873,426 | 40,848,001 | 1,931,454 |
| Gasoline | Imp. Gal. | 4,723 | 769 | 1,602 | 272 |
| Gas | M cu. ft. | 1,020,044 | 360,917 | 2,482,195 | 580,550 |
| Wood | cord | 6 | 60 | 3 | 18 |
| Other fuel | | | 136,054 | | 38,048 |
| Electric power | k.w.h. | 15,605,121 | 183,418 | 17,606,772 | 209,864 |
| Total | | | 3,447,130 | | 3,584,785 |

Table 117.—Power Employed in the Petroleum Products Industry in Canada, 1925 and 1926

| Description | 1925 | | 1926 | |
|----------------------------------------------------|-----------------|-----------------------------------------------|-----------------|-----------------------------------------------|
| | Number of units | Total h.p. according to manufacturers' rating | Number of units | Total h.p. according to manufacturers' rating |
| Steam engines and turbines | 274 | 9,170 | 301 | 9,468 |
| Gas engines | 2 | 8 | 1 | 7 |
| Oil and gasoline engines | 7 | 1,028 | 10 | 1,040 |
| <i>Total primary power</i> | 283 | 10,206 | 312 | 10,515 |
| Electric motors run by purchased power | 295 | 7,294 | 344 | 7,866 |
| Total power employed | 578 | 17,500 | 656 | 18,381 |
| Electric motors run by primary power in same plant | 68 | 1,634 | 66 | 1,662 |
| <i>Total electric motors</i> | 363 | 8,928 | 410 | 9,528 |
| Boilers installed | 94 | 20,235 | 95 | 20,227 |

Table 118.—Materials Used in the Petroleum Products Industry in Canada, 1925 and 1926

| Material | Unit of measure | 1925 | | 1926 | |
|--------------------------------------------------|-----------------|-------------|-------------------|-------------|-------------------|
| | | Quantity | Cost at works | Quantity | Cost at works |
| PETROLEUM REFINING | | | | | |
| Crude oil (Canadian)* | Imp. gal. | 12,337,192 | 1,511,181 | 12,203,286 | 1,673,632 |
| Crude oil (imported) | Imp. gal. | 432,778,502 | 33,344,004 | 573,263,043 | 45,396,649 |
| Sulphuric acid, 66° BÉ | pound | 42,843,604 | 447,528 | 53,919,554 | 423,229 |
| Sulphur (not used in acid manufacture) | pound | 141,265 | 3,988 | 155,076 | 4,283 |
| Caustic soda | pound | 4,220,371 | 154,150 | 6,216,823 | 234,326 |
| Litharge | pound | 549,450 | 59,825 | 697,417 | 72,269 |
| Fullers' earth | pound | 1,281,190 | 14,433 | 4,784,069 | 50,460 |
| Soda ash | pound | 287,648 | 5,619 | 249,172 | 4,841 |
| Compounding material | | | 510,735 | | 700,063 |
| All other materials | | | 246,456 | | 266,331 |
| Shipping containers (boxes, barrels, cans, etc.) | | | 1,516,384 | | 1,957,788 |
| Total | | | 37,814,303 | | 50,783,871 |
| LUBRICATING OILS AND GREASES:— | | | | | |
| Animal oils | Imp. gal. | 32,438 | 30,656 | 28,084 | 32,848 |
| Mineral oils | Imp. gal. | 948,110 | 209,803 | 1,016,213 | 241,211 |
| Lubricating oil | Imp. gal. | 30,000 | 10,500 | | |
| Other oils | Imp. gal. | | 51,459 | 101,445 | 11,527 |
| Tallow | pound | 180,852 | 50,990 | 182,400 | 51,840 |
| Soap grease | pound | 56,496 | 8,192 | 45,900 | 5,902 |
| Gas-oil and kerosene | Imp. gal. | 210,600 | 41,078 | | 1,280 |
| Red lead | pound | 64,800 | 7,706 | 68,400 | 8,292 |
| Containers, boxes, etc. | | | 1,9055 | | 25,239 |
| All other materials | | | 14,282 | | 10,149 |
| Total | | | 446,721 | | 388,288 |
| Total | | | 38,261,024 | | 51,172,159 |

*Includes crude naphtha from Royalite Oil Co. wells in Alberta.

Table 119.—Products of the Petroleum Products Industry in Canada, 1925 and 1926

| Product | Unit of measure | 1925 | | 1926 | |
|----------------------------------------------------------------------|-----------------|-------------|------------------------|-------------|------------------------|
| | | Quantity | Selling value at plant | Quantity | Selling value at plant |
| PETROLEUM REFINING— | | | | | |
| (a) Made for sale— | | | | | |
| Gas-oil | Imp. gal. | 164,649,475 | 27,585,651 | 222,114,669 | 40,462,466 |
| Petroleum spirits including engine distillate V.M.&P., naphtha, etc. | Imp. gal. | 1,137,656 | 199,596 | 1,650,956 | 245,841 |
| Kerosene | Imp. gal. | 44,902,566 | 5,902,898 | 58,407,330 | 9,396,986 |
| Fuel and gas oil | Imp. gal. | 135,954,156 | 7,771,405 | 190,000,871 | 10,219,000 |
| Lubricating oils | Imp. gal. | 14,787,788 | 2,694,736 | 16,878,858 | 3,668,302 |
| Grease | pound | 9,073,821 | 183,995 | 10,899,799 | 218,915 |
| Tar | Imp. gal. | 108,504 | 7,790 | | |
| Petroleum coke | short ton | 28,855 | 218,165 | 49,672 | 297,021 |
| Wax and candles | pound | 15,736,670 | 734,308 | 9,858,490 | 648,303 |
| Other products* | | | 2,024,975 | | 3,016,422 |
| Total | | | 47,383,459 | | 68,174,156 |
| (b) Intermediates made for use (chiefly as fuel)— | | | | | |
| Gas-oil | Imp. gal. | 20,597 | 3,386 | 32,035 | 5,402 |
| Kerosene | Imp. gal. | 33,803 | 4,015 | 34,860 | 5,410 |
| Fuel and gas oils | Imp. gal. | 36,433,086 | 1,830,850 | 38,473,341 | 1,787,420 |
| Lubricating oils | Imp. gal. | 14,198 | 2,406 | 15,751 | 3,454 |
| Petroleum coke | short ton | 5,163 | 30,586 | 1,873 | 10,422 |
| Acid coke | short ton | 9,170 | 33,014 | 11,802 | 39,904 |
| Acid oil and sludge acid | Imp. gal. | 1,395,470 | 64,030 | 954,080 | 44,949 |
| Still gas | M cu. ft. | 1,019,755 | 360,646 | 1,532,430 | 493,314 |
| Other products | | | 40,223 | | 5,809 |
| Total | | | 2,419,156 | | 2,396,084 |
| Total, made for sale and for use | | | 49,802,615 | | 70,570,240 |
| LUBRICATING OILS AND GREASES— | | | | | |
| Lubricating oils | Imp. gal. | 987,866 | 431,092 | 1,028,244 | 442,491 |
| Core oil | Imp. gal. | 14,997 | 12,056 | 15,216 | 11,423 |
| Soaps | | | 75,725 | | 57,996 |
| Greases | pound | | 63,914 | 431,735 | 74,455 |
| Other products | | | 372,325 | | 39,706 |
| Total | | | 959,512 | | 626,071 |
| Total | | | 50,762,127 | | 71,196,311 |

*Includes asphalt, ink oil, stove oil, residuum, and other products.

Table 120.—Imports into Canada and Exports of Petroleum and its Products, 1925 and 1926

| | 1925 | | 1926 | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------------|-------------|-------------------|
| | Quantity | Value | Quantity | Value |
| | | \$ | | \$ |
| IMPORTS— | | | | |
| Crude petroleum in the natural state, .7900 specific gravity or heavier at 60 degrees temperature, when imported by oil refiners to be refined in their own factories..... gals. | 436,258,650 | 23,414,837 | 570,383,547 | 31,338,734 |
| Crude petroleum, gas oils other than naphtha, benzine and gasoline lighter than .8235 but not less than .775 specific gravity at 60 degrees..... gals. | 4,181,914 | 227,378 | 60,562 | 6,159 |
| Petroleum (not including crude petroleum imported to be refined or illuminating or lubricating oils) .8235 specific gravity or heavier at 60 degrees temperature..... gals. | 103,667,295 | 4,690,901 | 91,577,778 | 3,742,505 |
| Petroleum, imported by miners or mining companies or concerns, for use in the concentration of ores or metals in their own concentrating establishments..... gals. | 129,665 | 26,251 | 133,439 | 37,133 |
| Petroleum, crude, not in its natural state, .7900 specific gravity or heavier at 60 degrees temperature when imported by oil refiners to be refined in their own factories..... gals. | 49,149 | 2,910 | 5,472,250 | 263,864 |
| KEROSENE AND ILLUMINATING LILS | | | | |
| Coal oil and kerosene, distilled, purified or refined, n.o.p..... gals. | 4,860,876 | 391,538 | 3,611,778 | 404,051 |
| Illuminating oils, composed wholly or in part of the products of petroleum, coal, shale or lignite, costing more than 30 cents per gallon..... gals. | 2,451 | 1,776 | 6,210 | 2,919 |
| Coal oil and kerosene, distilled, known as "engine distillates", .725 specific gravity and heavier, but not heavier than .770 specific gravity at 60 degrees temperature..... gals. | 395,785 | 63,587 | 1,224,464 | 139,404 |
| LUBRICATING OILS | | | | |
| Lubricating oils, composed wholly or in part of petroleum, and costing less than 25 cents per gallon..... gals. | 3,813,543 | 712,850 | 5,180,614 | 659,341 |
| Lubricating oils, n.o.p..... gals. | 4,632,195 | 1,770,739 | 5,079,264 | 2,009,214 |
| OTHER OILS | | | | |
| Gasoline under .725 specific gravity at 60 degrees temperature..... gals. | 58,993,020 | 8,388,057 | 60,105,404 | 8,670,438 |
| Gasoline .725 specific gravity but not heavier than .770 specific gravity at 60 degrees temperature..... gals. | 24,897,661 | 3,204,479 | 22,666,298 | 3,277,288 |
| Gasoline, n.o.p..... gals. | 37,070 | 7,093 | 67,986 | 11,069 |
| All other oils, n.o.p..... gals. | 204,633 | 109,348 | 215,337 | 132,120 |
| OTHER PRODUCTS OF PETROLEUM | | | | |
| Grease, axle..... lb. | 3,776,077 | 230,151 | 4,556,607 | 290,092 |
| Paraffine wax..... lb. | 1,601,505 | 124,234 | 1,946,905 | 141,241 |
| Paraffine wax candles..... lb. | 208,887 | 46,257 | 382,373 | 82,213 |
| Vaseline, and all similar preparations of petroleum for toilet, medicinal or other purposes..... lb. | | 216,464 | | 205,463 |
| Petroleum, products of, n.o.p..... gals. | 1,243,176 | 213,577 | 2,247,183 | 350,439 |
| Total | | 43,842,437 | | 52,063,686 |
| EXPORTS— | | | | |
| Oil, coal and kerosene, crude..... gals. | 7,375,163 | 346,512 | 21,043,135 | 851,750 |
| Oil, coal and kerosene, refined..... gals. | 1,608,686 | 155,783 | 1,584,645 | 192,988 |
| Oil, gasoline and naphtha..... gals. | 1,568,855 | 333,330 | 3,867,536 | 773,958 |
| Oil, mineral, n.o.p..... gals. | 1,473,779 | 287,463 | 961,577 | 200,562 |
| Wax, mineral..... cwt. | 14,541 | 82,999 | 10,682 | 62,329 |
| Total | | 1,206,687 | | 2,061,587 |

Table 121.—Production, Imports, Exports and Apparent Consumption of Certain Petroleum Products in Canada, 1920-1926

| | | Production | Imports | Exports | Re-Exports | Apparent consumption |
|---------------------------|-----------|-------------|-------------|------------|------------|----------------------|
| FUEL AND GAS OILS— | | | | | | |
| 1920..... | Imp. gal. | 96,462,792 | 122,929,391 | 2,684,427 | | 216,707,656 |
| | \$ | 10,341,946 | 7,819,006 | 293,325 | | 17,867,627 |
| 1921..... | Imp. gal. | 129,716,045 | 61,398,671 | 5,384,751 | | 185,729,865 |
| | \$ | 6,611,261 | 3,806,734 | 375,820 | | 10,041,155 |
| 1922..... | Imp. gal. | 108,975,976 | 72,805,012 | 7,036,627 | | 172,744,361 |
| | \$ | 8,142,927 | 3,091,290 | 288,828 | | 8,945,889 |
| 1923..... | Imp. gal. | 139,682,570 | 108,982,780 | 2,384,899 | | 246,280,451 |
| | \$ | 7,973,766 | 4,245,101 | 138,381 | | 12,080,486 |
| 1924..... | Imp. gal. | 177,123,232 | 94,244,271 | 18,263,236 | | 253,104,267 |
| | \$ | 9,076,746 | 4,133,208 | 529,497 | | 12,680,457 |
| 1925..... | Imp. gal. | 172,387,242 | 107,849,209 | 7,375,163 | | 272,861,288 |
| | \$ | 9,652,255 | 4,948,279 | 346,512 | | 14,224,022 |
| 1926..... | Imp. gal. | 228,474,212 | 91,638,340 | 21,043,135 | | 299,069,417 |
| | \$ | 12,007,320 | 3,748,664 | 851,750 | | 14,604,234 |
| GAROLINE— | | | | | | |
| 1920..... | Imp. gal. | 86,193,664 | 8,515,545 | 160,433 | 214,634 | 94,334,133 |
| | \$ | 28,272,903 | 2,404,488 | 59,432 | 83,778 | 30,534,180 |
| 1921..... | Imp. gal. | 119,887,643 | 40,264,707 | 762,080 | 10,492 | 159,379,748 |
| | \$ | 31,026,136 | 7,161,458 | 212,638 | 3,917 | 38,424,039 |
| 1922..... | Imp. gal. | 143,959,893 | 42,112,248 | 1,976,244 | 27,020 | 184,068,277 |
| | \$ | 34,428,189 | 8,760,924 | 510,037 | 6,700 | 42,672,370 |
| 1923..... | Imp. gal. | 124,156,390 | 49,850,660 | 1,247,298 | | 172,889,742 |
| | \$ | 22,473,254 | 7,160,632 | 263,326 | | 29,050,500 |
| 1924..... | Imp. gal. | 160,045,739 | 73,757,441 | 1,403,716 | 75,223 | 232,324,241 |
| | \$ | 25,799,219 | 9,344,153 | 256,966 | 20,715 | 34,865,691 |
| 1925..... | Imp. gal. | 164,670,072 | 83,927,751 | 1,568,855 | 42,594 | 246,086,374 |
| | \$ | 27,589,027 | 11,509,629 | 333,330 | 11,788 | 38,843,548 |
| 1926..... | Imp. gal. | 222,146,704 | 82,839,688 | 3,867,536 | 169,476 | 300,949,380 |
| | \$ | 40,467,868 | 11,958,795 | 773,958 | 29,122 | 51,623,583 |
| LUBRICATING OILS— | | | | | | |
| 1920..... | Imp. gal. | 25,099,798 | 4,464,294 | | | 29,564,092 |
| | \$ | 6,327,134 | 2,443,089 | | | 8,770,223 |
| 1921..... | Imp. gal. | 24,246,320 | 5,040,456 | | | 29,286,776 |
| | \$ | 5,221,487 | 1,934,561 | | | 7,156,048 |
| 1922..... | Imp. gal. | 18,051,600 | 7,110,054 | | | 25,161,654 |
| | \$ | 3,551,478 | 2,132,695 | | | 5,684,173 |
| 1923..... | Imp. gal. | 17,121,896 | 8,196,682 | | | 25,318,579 |
| | \$ | 3,237,526 | 2,310,950 | | | 5,548,476 |
| 1924..... | Imp. gal. | 15,470,465 | 8,494,423 | | | 23,975,888 |
| | \$ | 3,061,116 | 2,442,653 | | | 5,503,709 |
| 1925..... | Imp. gal. | 15,789,852 | 8,445,738 | | | 24,235,590 |
| | \$ | 3,131,634 | 2,483,589 | | | 5,615,223 |
| 1926..... | Imp. gal. | 17,922,853 | 10,259,878 | | | 28,182,731 |
| | \$ | 4,114,247 | 2,998,555 | | | 7,082,802 |
| KEROSENE— | | | | | | |
| 1920..... | Imp. gal. | 54,155,635 | 14,971,509 | 1,243,335 | | 67,883,829 |
| | \$ | 10,887,972 | 2,359,621 | 205,999 | | 13,041,594 |
| 1921..... | Imp. gal. | 59,082,790 | 10,544,281 | 1,466,422 | | 68,160,649 |
| | \$ | 7,537,470 | 790,468 | 209,282 | | 8,118,656 |
| 1922..... | Imp. gal. | 76,521,590 | 3,673,234 | 1,471,947 | | 78,722,847 |
| | \$ | 9,628,804 | 314,514 | 136,834 | | 9,801,484 |
| 1923..... | Imp. gal. | 67,396,674 | 4,127,146 | 1,450,051 | | 70,073,769 |
| | \$ | 8,774,371 | 323,396 | 139,924 | | 8,957,843 |
| 1924..... | Imp. gal. | 61,308,467 | 5,431,393 | 1,525,427 | | 65,214,433 |
| | \$ | 7,486,042 | 447,588 | 165,520 | | 7,768,110 |
| 1925..... | Imp. gal. | 45,026,459 | 5,256,681 | 1,508,686 | | 48,774,434 |
| | \$ | 5,966,913 | 455,125 | 155,783 | | 6,266,255 |
| 1926..... | Imp. gal. | 58,502,190 | 4,842,452 | 1,584,645 | | 61,759,097 |
| | \$ | 9,402,396 | 546,374 | 192,988 | | 9,755,782 |

Table 122.—Consumption of Crude Oil in Petroleum Refineries in Canada, 1898-1926

| | Imp. gal. | | Imp. gal. | | Imp. gal. |
|-----------|------------|-----------|-------------|-----------|-------------|
| 1898..... | 26,978,977 | 1908..... | 34,675,120 | 1918..... | 260,209,899 |
| 1899..... | 23,615,967 | 1909..... | 35,530,918 | 1919..... | 301,006,553 |
| 1900..... | 23,381,783 | 1910..... | 36,171,032 | 1920..... | 295,576,527 |
| 1901..... | 17,745,182 | 1911..... | 38,632,504 | 1921..... | 373,469,448 |
| 1902..... | 15,630,592 | 1912..... | 46,270,701 | 1922..... | 394,139,055 |
| 1903..... | 14,464,248 | 1913..... | 53,821,592 | 1923..... | 408,810,739 |
| 1904..... | 22,805,109 | 1914..... | 73,239,403 | 1924..... | 367,147,205 |
| 1905..... | 33,821,998 | 1915..... | 84,355,760 | 1925..... | 445,118,601 |
| 1906..... | 36,134,349 | 1916..... | 139,670,200 | 1926..... | 585,466,329 |
| 1907..... | 34,961,706 | 1917..... | 199,256,799 | | |

Primary Production of Crude Petroleum.—(From the annual report on the *Mineral Production of Canada, 1926*). Crude petroleum production in Canada during 1926 showed an encouraging increase over the total for the preceding year. The year's production amounted to 364,444 barrels valued at \$1,311,665; in 1925 the total was 332,001 barrels worth \$1,250,705. Alberta's production, mainly from the Royalite No. 4 wet-gas well, topped the high mark of 1925, reaching a new record of 216,050 barrels. A decline was shown in the Ontario production for the year when 137,850 barrels were produced. Another feature of considerable worth was the proportionately large increase in the New Brunswick production, the 1926 figures being 10,544 barrels as against 5,376 barrels in the preceding year.

July 1, 1925, marked the cessation of payment by the Federal Government of bounty on crude petroleum produced in Canada.

Col. R. B. Harkness, Commissioner of Gas for Ontario, reviews the developments in the petroleum industry in Ontario during 1926 as follows:—

The conditions in the oil fields of Ontario are about the same as in past years. Wells continue to pump a few gallons daily so long as the casing withstands the spring freshets. This spring flood water takes its annual toll of wells, by collapsing the casing which has become too thin, through corrosion to withstand the strain. Wells which do not produce a sufficient revenue to make it profitable to replace this casing with new material, or any available second-hand materials, are abandoned. In this manner the oil fields of Ontario are gradually passing into history.

Wainwright.—During the period under review only three new wells were started in this field, but none have yet been completed. An official test for production of the British Petroleum, Limited, Well No. 313, was carried out during November, the test over a period of three days showed a production of clean oil amounting to 3.8 barrels per hour.

Ribstone.—This is an area which has attracted a great deal of attention during 1926, and already three wells are being drilled. Up to date only one of these has been drilled to a depth where results may be expected, this is the Imperial Oils Ribstone No. 1 test which met a good show of heavy asphaltic oil at 1,900 feet; this, however, has been cased off and drilling is proceeding to test deeper strata. The indication is encouraging and proves the possibility of this heavy oil being found in remunerative quantities somewhere in the neighbourhood.

Outside of Alberta, very little prospect drilling was done in 1926, and that only of a desultory kind and at points widely separated.

Conclusions.—From present indications it is evident a great deal of new prospecting and development work will be started during the coming season, and if this is efficiently carried out many interesting developments are to be expected which may lead to the discovery of more productive oil and gas areas.

Table 123.—Production of Crude Petroleum in Canada, 1925 and 1926

| Province | 1925 | | | | 1926 | |
|-------------------------------|----------------|-------------------|---------------|------------------|----------------|------------------|
| | Barrels | Value less bounty | Bounty paid | Total value | Barrels | Total value |
| | | \$ | \$ | \$ | | \$ |
| NEW BRUNSWICK..... | 5,376 | 16,805 | 1,951 | 18,756 | 10,544 | 29,940 |
| ONTARIO— | | | | | | |
| Petrolia and Enniskillen..... | 52,481 | 133,301 | 7,923 | 141,224 | 56,170 | 153,428 |
| Oil Springs..... | 39,137 | 102,148 | 5,627 | 107,775 | 38,350 | 107,438 |
| Moore Township..... | 8,195 | 20,815 | 576 | 21,391 | 2,438 | 6,659 |
| Sarnia Township..... | 1,905 | 4,839 | 379 | 5,218 | 1,890 | 5,163 |
| Plympton Township..... | 1,424 | 3,617 | 184 | 3,801 | 1,047 | 2,860 |
| Bothwell..... | 26,243 | 66,657 | 3,680 | 70,337 | 25,382 | 69,331 |
| West Dover..... | 1,820 | 4,766 | 399 | 5,165 | 959 | 2,619 |
| Raleigh Township..... | 887 | 2,253 | 156 | 2,409 | 676 | 1,846 |
| Dutton..... | 146 | 381 | 38 | 419 | | |
| Onondaga..... | 81 | 210 | 9 | 219 | 555 | 1,510 |
| Moza Township..... | 8,397 | 21,328 | 1,181 | 22,509 | 7,808 | 21,491 |
| Thamesville..... | 289 | 734 | | 734 | 2,376 | 6,490 |
| Dunwich..... | 855 | 2,172 | | 2,172 | 139 | 380 |
| Romecy Township..... | 1,235 | 3,076 | | 3,076 | | |
| Euphemia..... | 39 | 106 | | 106 | | |
| Total for Ontario..... | 143,134 | 366,403 | 20,152 | 386,555 | 137,850 | 379,221 |
| ALBERTA..... | 183,491 | 845,394 | | 845,394 | 216,050 | 902,504 |
| Canada..... | 332,001 | 1,228,602 | 22,103 | 1,230,705 | 364,444 | 1,311,665 |

CHAPTER ELEVEN

PRODUCTS FROM DOMESTIC CLAYS.

The total value of clay products made in Canada from domestic raw materials during 1926 was \$10,357,323, an increase of 9 per cent over the figure for 1925. A total of 200 establishments were in operation, employment was provided for an average of 4,395 people during each month of the year, and a sum of \$4,346,687 was distributed for salaries and wages. Ontario was the centre of the industry with 133 plants and an aggregate output valued at \$5,356,469; Quebec was next with only 20 factories which reported a production at \$2,702,298. Practically every province reported a higher production value than in 1925.

For statistical purposes the domestic-clay products industry has been divided into 5 main groups as follows: (a) brick and tile; (b) clay sewer pipe; (c) fire brick and fire clay; (d) stoneware and pottery; (e) kaolin and other clays. As there were only 2 very small concerns producing "kaolin and other clays" and as the greater part of the output was fireclay, the information for this group has been combined with "firebrick and fire clay" in the present report. Data on manufactures from imported clays are given in Chapter XII of this report. Historical tables and more detailed information of the clay products industry have been published in the annual report on the *Mineral Production of Canada* in 1926.

(a) **Brick and Tile.**—Brick and tile were the main products of 184 factories in Canada in 1926 and the total production was valued at \$8,146,514 as compared with an output worth \$7,374,551 from the 173 plants in operation in 1925. The industry was centred in Ontario and Quebec; the former province with 127 operating plants produced commodities worth \$4,215,886 while Quebec with only 18 establishments reported an output worth \$2,399,181, leaving only \$1,531,447 as the combined output value from the 39 concerns in the other provinces. As compared with 1925 there was a gain of 4 plants in Ontario, 3 in British Columbia, 2 in Alberta, 2 in Saskatchewan, and 1 in Manitoba, while the 1 concern in Prince Edward Island did not operate during 1926; there was thus a net increase of 11 establishments in 1926.

Capital employed in 1926 was reported at \$23,034,976 of which \$18,840,692 or 82 per cent was the value placed on lands, buildings, plant machinery and tools. Plants in Ontario represented an investment of \$10,495,655; Quebec was a close second at \$9,024,360; Alberta and British Columbia each reported a capital employed at over a million dollars; Saskatchewan at \$739,650; Manitoba, \$233,592; and the Maritime provinces, \$477,961.

The average number of employees in 1926 was 3,644 as compared with 3,403 in 1925. A monthly average of 3,372 wage-earners were paid \$2,956,683 during the year and 272 salaried workers received the sum of \$511,369. By provinces, the number of employees was as follows: Ontario, 1,826; Quebec, 845; British Columbia, 330; Alberta, 175; Saskatchewan, 161; Manitoba, 171; and the Maritime provinces, 136.

Seasonal trend was quite pronounced in this industry. Beginning with an average of 1,326 wage-earners on the rolls in January, the number increased steadily to 4,018 in June, declined slightly to 3,810 in August and then fell off sharply to 2,003 in December. The average for the year, obtained by adding the averages for each company, was 3,372.

Fuel and electric power costs for the industry amounted to \$1,761,515 in 1926 and included 163,982 tons of bituminous coal worth \$1,167,476; 57,094 cords of wood at \$258,811; other fuel, \$96,105; and 14,783,957 k.w.h. of electric power at a cost of \$239,123 at the plant.

Brick, structural tile and drain were the main products of this group. Details of production together with a small output of these materials from the other groups mentioned, are shown in Table 131. Imports and exports are also listed in the same table.

Clay Sewer Pipe.—Only 5 firms in Canada were primarily in this line of work in 1926 and production from these concerns was valued at \$1,177,247. There was also a small output of clay sewer pipe in other groups; the total output for Canada as shown in Table 135 was valued at \$1,480,776. There were 3 plants in Ontario, 1 in Quebec and 1 in Nova Scotia. Capital employed in 1926 was \$3,026,076; the average number of employees was 407; salaries and wages amounted to \$497,512; and the cost of fuel and electricity was \$227,456.

Fire brick and Fire Clay Products.—This group includes 5 factories in Canada which were engaged chiefly in manufacturing from domestic clays such refractory materials as fire brick, fireproofing tile and flue lining, and also 2 small concerns in the kaolin group which produced chiefly fireclay. The total value of products made by these concerns was \$710,836; capital employed was \$1,780,967; employees numbered 195 to whom was paid \$250,869 for salaries and wages during the year; and fuel and power costs amounted to \$75,544. There was also an output of fire brick, fire clay, etc., from plants in the other groups; the total production in Canada from domestic clays, and imports of similar materials are shown in Table 131.

Stoneware and Pottery.—In 1926 there were 4 factories in Canada engaged primarily in making pottery, earthenware or stoneware from domestic clay; 2 were in Ontario, 1 in Alberta and 1 in New Brunswick. The same plants were in operation in 1925. Production from these concerns in 1926 included pottery worth \$319,535 and fire brick and fire clay valued at \$3,191. There was also a small output of pottery amounting to \$600 from the brick and tile group, bringing the total output of this commodity in Canada to \$320,135.

The 4 concerns in this group employed a capital of \$310,043; gave work to 149 people; paid out \$130,254 for salaries and wages; and expended \$15,538 for fuel and electricity during the year.

Table 124.—Principal Statistics of the Domestic Clay Products Industry in Canada, by Groups, 1922-1926

| Year | Number of plants | Capital employed | Average number of employees | Salaries and wages | † Miscellaneous expenses | † Cost of fuel and electricity | Net value of products |
|------------------------------------------|------------------|------------------|-----------------------------|--------------------|--------------------------|--------------------------------|-----------------------|
| BRICK AND TILE | | | | | | | |
| | | \$ | | \$ | \$ | \$ | \$ |
| 1922 | 216 | 23,821,180 | 3,904 | 3,782,341 | 2,112,790 | 1,644,463 | 8,911,539 |
| 1923 | 204 | 24,866,834 | 3,954 | 4,045,487 | 1,410,051 | 2,254,445 | 8,220,269 |
| 1924 | 192 | 24,423,104 | 3,332 | 3,071,370 | ..... | 1,508,573 | 7,046,355 |
| 1925 | 173 | 22,410,450 | 3,403 | 3,167,926 | ..... | 1,565,341 | 7,374,551 |
| 1926 | 184 | 23,034,976 | 3,644 | 3,468,052 | ..... | 1,761,516 | 8,146,514 |
| CLAY SEWER PIPE | | | | | | | |
| 1922 | 5 | 3,057,149 | 448 | 547,411 | 282,705 | 217,328 | 1,571,464 |
| 1923 | 5 | 3,022,522 | 459 | 561,515 | 307,870 | 307,981 | 1,421,002 |
| 1924 | 5 | 3,149,838 | 467 | 596,598 | ..... | 281,448 | 1,343,197 |
| 1925 | 5 | 2,810,782 | 382 | 461,527 | ..... | 240,038 | 1,182,454 |
| 1926 | 5 | 3,026,076 | 407 | 497,512 | ..... | 227,456 | 1,177,247 |
| FIRE BRICK AND FIRE CLAY PRODUCTS | | | | | | | |
| 1922* | 7 | 4,010,107 | 217 | 298,014 | 70,205 | 94,749 | 702,564 |
| 1923* | 8 | 4,090,153 | 198 | 287,477 | 61,744 | 90,382 | 610,821 |
| 1924 | 7 | 1,850,385 | 208 | 258,410 | ..... | 74,431 | 584,838 |
| 1925 | 0 | 2,114,738 | 220 | 274,919 | ..... | 88,552 | 702,707 |
| 1926* | 7 | 1,780,967 | 195 | 250,869 | ..... | 75,544 | 710,836 |
| STONEWARE AND POTTERY | | | | | | | |
| 1922 | 4 | 280,467 | 112 | 124,575 | 22,010 | 12,652 | 252,899 |
| 1923 | 4 | 314,892 | 119 | 147,221 | 88,233 | 14,607 | 230,924 |
| 1924 | 0 | 387,667 | 113 | 114,925 | ..... | 14,642 | 240,887 |
| 1925 | 4 | 424,894 | 131 | 129,703 | ..... | 16,960 | 269,979 |
| 1926 | 4 | 310,043 | 149 | 130,254 | ..... | 15,538 | 322,726 |
| Total Domestic Clay Products | | | | | | | |
| 1922 | 232 | 31,168,963 | 4,681 | 4,752,341 | 2,487,710 | 1,969,092 | 11,448,156 |
| 1923 | 211 | 32,294,374 | 4,730 | 5,011,700 | 1,867,898 | 2,662,115 | 10,183,016 |
| 1924 | 210 | 29,810,994 | 4,120 | 4,041,318 | ..... | 1,879,094 | 9,215,077 |
| 1925 | 188 | 27,760,864 | 4,136 | 4,031,075 | ..... | 1,909,591 | 9,529,691 |
| 1926 | 200 | 28,152,062 | 4,395 | 4,346,687 | ..... | 2,080,054 | 10,357,323 |

† Data for miscellaneous expenses not available after 1923.

* Includes kaolin and other clays.

Table 125.—Number of Plants and Value of Products for the Domestic Clay Products Industry in Canada, by Groups and by Provinces, 1926

| Province | Brick and Tile | | Clay Sewer Pipe | | Firebrick and Fireclay Products | | Stoneware and Pottery | |
|-----------------------|------------------|-------------------|------------------|-------------------|---------------------------------|-------------------|-----------------------|-------------------|
| | Number of plants | Value of products | Number of plants | Value of products | Number of plants | Value of products | Number of plants | Value of products |
| | | \$ | | \$ | | \$ | | \$ |
| Nova Scotia..... | 6 | 183,756 | 1 | ..... | 3 | 5,754 | ..... | ..... |
| New Brunswick..... | 2 |  | ..... |  | ..... |  | ..... |  |
| Quebec..... | 18 | 2,399,181 | 1 | ..... | 1 | ..... | 1 | ..... |
| Ontario..... | 127 | 4,215,886 | 3 | ..... | 1 | ..... | 2 | ..... |
| Manitoba..... | 6 | 248,497 | ..... | ..... | ..... | ..... | ..... | ..... |
| Saskatchewan..... | 7 | 214,113 | ..... | ..... | ..... | ..... | ..... | ..... |
| Alberta..... | 7 | 294,636 | ..... | ..... | ..... | ..... | 1 | ..... |
| British Columbia..... | 11 | 590,445 | ..... | ..... | 1 | ..... | ..... | ..... |
| Canada..... | 184 | 8,146,514 | 5 | 1,177,247 | 7 | 710,836 | 4 | 822,726 |

Table 126.—Capital Employed in the Domestic Clay Products Industry in Canada, by Provinces, and by Classes, 1925 and 1926

| Province | 1925 | | | | 1926 | | | |
|-------------------------------------------|---------------------------------------------|---------------------------------------|-----------------------------------------------------------|-------------------|---------------------------------------------|---------------------------------------|-----------------------------------------------------------|-------------------|
| | Capital employed as represented by | | | | Capital employed as represented by | | | |
| | Lands, buildings, plant machinery and tools | Cost of supplies and products on hand | Cash, trading and operating accounts and bills receivable | Total | Lands, buildings, plant machinery and tools | Cost of supplies and products on hand | Cash, trading and operating accounts and bills receivable | Total |
| | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ |
| BRICK AND TILE— | | | | | | | | |
| Nova Scotia..... | 549,806 | 12,632 | 15,075 | 578,412 | 354,487 | 49,489 | 73,985 | 477,961 |
| New Brunswick..... | 57,771 | 8,860 | 12,039 | 78,470 | ..... | ..... | ..... | ..... |
| Quebec..... | 7,702,573 | 602,669 | 280,233 | 8,575,415 | 8,003,408 | 626,444 | 394,508 | 9,024,360 |
| Ontario..... | 8,473,163 | 1,241,168 | 764,494 | 10,478,735 | 8,070,982 | 1,103,588 | 1,261,105 | 10,435,655 |
| Manitoba..... | 114,244 | 47,100 | 39,900 | 201,244 | 116,884 | 62,308 | 54,400 | 233,592 |
| Saskatchewan..... | 525,006 | 80,515 | 6,388 | 611,909 | 620,880 | 77,153 | 41,617 | 739,650 |
| Alberta..... | 657,777 | 109,684 | 47,944 | 815,405 | 835,052 | 123,572 | 73,878 | 1,033,102 |
| British Columbia..... | 765,802 | 125,676 | 59,261 | 970,739 | 838,399 | 121,075 | 71,182 | 1,030,656 |
| Canada..... | 18,056,202 | 2,228,104 | 1,226,144 | 22,410,450 | 18,840,692 | 2,223,609 | 1,970,675 | 23,034,976 |
| CLAY SEWER PIPE— | | | | | | | | |
| Canada..... | 2,040,019 | 456,159 | 314,604 | 2,810,782 | 2,356,077 | 355,813 | 314,186 | 3,026,076 |
| FIRE BRICK AND FIRE CLAY PRODUCTS— | | | | | | | | |
| Canada..... | 1,358,011 | 348,193 | 408,534 | 2,114,738 | 1,147,633 | 255,220 | 378,114 | 1,780,967 |
| STONEWARE AND POTTERY— | | | | | | | | |
| Canada..... | 173,031 | 79,622 | 172,241 | 424,894 | 171,829 | 60,900 | 77,224 | 310,043 |
| Total Domestic Clay Products— | | | | | | | | |
| Nova Scotia..... | 1,398,872 | 113,532 | 18,413 | 1,530,817 | 869,802 | 125,602 | 61,014 | 1,059,418 |
| New Brunswick..... | 78,746 | 26,838 | 18,329 | 113,913 | 75,700 | 23,127 | 21,818 | 120,645 |
| Quebec..... | 8,253,478 | 762,356 | 511,142 | 9,466,676 | 8,503,640 | 721,733 | 609,383 | 9,834,756 |
| Ontario..... | 10,273,421 | 1,680,208 | 1,120,385 | 13,074,014 | 10,150,773 | 1,406,165 | 1,593,036 | 13,149,974 |
| Manitoba..... | 114,244 | 47,100 | 39,900 | 201,244 | 116,884 | 62,308 | 54,400 | 233,592 |
| Saskatchewan..... | 525,006 | 80,515 | 6,388 | 611,909 | 620,880 | 77,153 | 41,617 | 739,650 |
| Alberta..... | 1,165,834 | 335,853 | 347,705 | 1,789,492 | 1,310,133 | 358,469 | 281,749 | 1,933,371 |
| British Columbia..... | 785,862 | 125,676 | 59,261 | 970,799 | 838,399 | 121,075 | 71,182 | 1,030,656 |
| Canada..... | 22,527,263 | 3,112,078 | 2,121,523 | 27,760,864 | 22,516,231 | 2,895,632 | 2,740,199 | 28,152,062 |

Table 127.—Employees, Salaries and Wages in the Domestic Clay Products Industry in Canada, by Provinces, 1925 and 1926

| Province | 1925 | | | | 1926 | | | |
|-------------------------------------------|--------------------|--------------|----------|-----------|--------------------|--------------|----------|-----------|
| | Salaried employees | Wage-earners | Salaries | Wages | Salaried employees | Wage-earners | Salaries | Wages |
| | | | \$ | \$ | | | \$ | \$ |
| BRICK AND TILE— | | | | | | | | |
| Nova Scotia..... | 4 | 82 | 6,400 | 32,838 | 10 | 126 | 16,743 | 53,840 |
| New Brunswick..... | 4 | 30 | 5,443 | 10,283 | | | | |
| Quebec..... | 56 | 757 | 94,834 | 717,217 | 60 | 785 | 108,041 | 745,848 |
| Ontario..... | 130 | 1,781 | 256,365 | 1,500,416 | 135 | 1,691 | 209,020 | 1,580,234 |
| Manitoba..... | 12 | 145 | 22,060 | 66,151 | 13 | 158 | 24,150 | 90,920 |
| Saskatchewan..... | 10 | 34 | 17,349 | 32,310 | 15 | 146 | 23,113 | 65,332 |
| Alberta..... | 14 | 131 | 22,843 | 115,591 | 16 | 159 | 27,160 | 154,077 |
| British Columbia..... | 19 | 194 | 38,913 | 228,913 | 23 | 307 | 43,142 | 266,432 |
| Canada..... | 249 | 3,154 | 464,207 | 2,703,719 | 272 | 3,372 | 511,369 | 2,956,683 |
| CLAY SEWER PIPE— | | | | | | | | |
| Canada..... | 24 | 358 | 78,842 | 382,685 | 24 | 383 | 82,161 | 415,351 |
| FIRE BRICK AND FIRE CLAY PRODUCTS— | | | | | | | | |
| Canada..... | 27 | 193 | 74,680 | 200,230 | 23 | 172 | 66,513 | 184,356 |
| STONWARE AND POTTERY— | | | | | | | | |
| Canada..... | 10 | 121 | 13,064 | 116,639 | 10 | 139 | 13,614 | 116,640 |
| Total Domestic Clay Products— | | | | | | | | |
| Nova Scotia..... | 9 | 189 | 24,885 | 116,313 | 10 | 193 | 28,100 | 115,935 |
| New Brunswick..... | 8 | 53 | 9,187 | 27,559 | 8 | 57 | 9,811 | 29,237 |
| Quebec..... | 64 | 836 | 117,297 | 799,243 | 68 | 880 | 132,391 | 842,452 |
| Ontario..... | 159 | 2,112 | 337,127 | 1,884,067 | 161 | 2,010 | 248,174 | 1,967,764 |
| Manitoba..... | 12 | 145 | 22,060 | 66,151 | 13 | 158 | 24,150 | 90,920 |
| Saskatchewan..... | 10 | 34 | 17,349 | 32,310 | 15 | 146 | 23,113 | 65,332 |
| Alberta..... | 29 | 263 | 63,975 | 248,726 | 31 | 315 | 64,866 | 296,958 |
| British Columbia..... | 19 | 194 | 38,913 | 228,913 | 23 | 307 | 43,142 | 266,432 |
| Canada..... | 310 | 3,826 | 630,793 | 3,463,282 | 329 | 4,066 | 673,657 | 3,673,039 |

Table 128.—Wage-Earners in the Domestic Clay Products Industry in Canada, by Months and by Industries, 1926

| Month | Brick and tile | Clay sewer pipe | Fire brick and fire clay | Stoneware and pottery | Total domestic clay products |
|-----------------------|----------------|-----------------|--------------------------|-----------------------|------------------------------|
| January..... | 1,326 | 367 | 109 | 134 | 1,936 |
| February..... | 1,351 | 370 | 105 | 137 | 1,963 |
| March..... | 1,921 | 372 | 159 | 139 | 2,591 |
| April..... | 2,521 | 347 | 171 | 140 | 3,179 |
| May..... | 3,517 | 362 | 169 | 140 | 4,188 |
| June..... | 4,018 | 381 | 162 | 134 | 4,695 |
| July..... | 3,998 | 391 | 164 | 133 | 4,686 |
| August..... | 3,810 | 391 | 165 | 139 | 4,505 |
| September..... | 3,232 | 404 | 169 | 145 | 3,950 |
| October..... | 3,071 | 400 | 170 | 149 | 3,790 |
| November..... | 2,556 | 407 | 168 | 142 | 3,273 |
| December..... | 2,003 | 404 | 170 | 137 | 2,714 |
| Average for 1926..... | 3,372 | 383 | 172 | 139 | 4,066 |
| Average for 1925..... | 3,154 | 358 | 193 | 121 | 3,826 |

*See note, page 23.

Table 129.—Fuel and Electricity Used in the Domestic Clay Products Industry in Canada, 1925 and 1926

| Kind | Unit of measure | 1925 | | 1926 | |
|----------------------|-----------------|------------|------------------|------------|------------------|
| | | Quantity | Cost at plant | Quantity | Cost at plant |
| | | | \$ | | \$ |
| Bituminous coal..... | short ton | 203,346 | 1,372,147 | 204,111 | 1,447,523 |
| Anthracite coal..... | short ton | 66 | 951 | 6,450 | 26,829 |
| Lignite coal..... | short ton | 3,843 | 13,863 | 8,980 | 19,356 |
| Coke..... | short ton | 2,691 | 21,546 | 1,976 | 17,297 |
| Gasoline..... | Imp. gal. | 21,548 | 6,215 | 21,970 | 6,823 |
| Fuel oil..... | Imp. gal. | 129,702 | 13,629 | 272,370 | 29,220 |
| Wood..... | cord | 44,256 | 235,295 | 57,967 | 263,881 |
| Gas..... | M cu. ft. | 546,458 | 27,779 | 555,136 | 15,223 |
| Other fuel..... | | | | | 51 |
| Electricity..... | k.w.h. | 12,455,033 | 218,166 | 15,729,185 | 253,851 |
| Total..... | | | 1,909,591 | | 2,680,054 |

Table 130.—Power Employed in the Domestic Clay Products Industry in Canada, 1925 and 1926

| Description | 1925 | | 1926 | |
|---------------------------------------------------------|-----------------|-----------------------------------------------|-----------------|-----------------------------------------------|
| | Number of units | Total h.p. according to manufacturers' rating | Number of units | Total h.p. according to manufacturers' rating |
| Steam engines and turbines..... | 94 | 7,402 | 110 | 8,365 |
| Gas engines..... | 14 | 416 | 17 | 436 |
| Oil and gasoline engines..... | 15 | 388 | 21 | 551 |
| Hydraulic turbines and water wheels..... | 1 | 150 | | |
| <i>Total primary power.....</i> | <i>124</i> | <i>8,356</i> | <i>148</i> | <i>9,352</i> |
| Electric motors run by purchased power..... | 313 | 12,630 | 367 | 14,213 |
| Total power employed..... | 437 | 21,286 | 515 | 23,565 |
| Electric motors run by primary power in same plant..... | 27 | 942 | 9 | 267 |
| <i>Total electric motors.....</i> | <i>340</i> | <i>15,872</i> | <i>376</i> | <i>14,480</i> |
| Boilers..... | 119 | 9,831 | 120 | 9,349 |

Table 131.—Production in Canada, Imports and Exports of Clay and Clay Products, 1925 and 1926

| Kind | 1925 | | 1926 | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------------|----------|---------------------|
| | Quantity | Total selling value | Quantity | Total selling value |
| | | \$ | | \$ |
| PRODUCTION (SALES)— | | | | |
| Brick; Soft mud process (Face..... M | 27,701 | 521,739 | 28,235 | 556,573 |
| (Common..... M | 51,214 | 753,970 | 78,158 | 1,115,490 |
| Stiff mud process (Face..... M | 93,903 | 1,883,850 | 101,028 | 2,146,362 |
| (wire cut) (Common..... M | 116,105 | 1,635,257 | 94,046 | 1,624,055 |
| Dry press (Face..... M | 37,201 | 800,504 | 30,423 | 651,236 |
| (Common..... M | 22,053 | 270,135 | 19,450 | 260,598 |
| Fancy or ornamental brick (including special shapes, embossed and unglazed brick)..... M | 524 | 26,320 | 462 | 24,057 |
| Sewer brick..... M | 2,485 | 52,382 | 6,546 | 117,194 |
| Paving brick..... M | | | 122 | 5,015 |
| Fire brick from domestic clay..... M | 6,197 | 305,332 | 4,195 | 192,276 |
| Fire clay..... tons | 623 | 6,544 | 2,513 | 23,258 |
| Fire clay blocks and shapes..... | | 36,567 | | 54,064 |
| Structural tile; Hollow blocks (including fireproofing and load-bearing tile)..... tons | 115,576 | 1,093,397 | 141,909 | 1,313,707 |
| Roofing tile..... No | 78,479 | 6,323 | 17,018 | 1,562 |
| Floor tile (quarries)..... Sq.ft. | 140,927 | 28,338 | 195,011 | 43,854 |
| Ceramic or glazed floor and wall tile..... | | | | 943 |
| Drain tile..... M | 14,552 | 401,503 | 14,258 | 396,018 |
| Sewer pipe (including copings, flue linings, etc.)..... tons | 73,791 | 1,440,269 | 75,996 | 1,480,776 |
| Pottery, glazed or unglazed..... | | 267,255 | | 320,135 |
| Other products—Bentonite..... tons | | | 30 | 150 |
| Total..... | | 9,529,691 | | 10,337,323 |
| IMPORTS— | | | | |
| Bath brick..... | | 695 | | 97 |
| Building brick..... M | 5,480 | 125,565 | 4,157 | 93,337 |
| Building blocks..... | | 81,873 | | 77,230 |
| Clays— | | | | |
| China..... Cwt. | 363,890 | 195,032 | 360,546 | 200,902 |
| Fire..... Cwt. | 824,774 | 166,733 | 937,497 | 193,741 |
| Pipe..... | | 1,668 | | 1,323 |
| Zirconium silicate..... | | | | 2,704 |
| Other clays..... | | 64,408 | | 81,253 |
| Drain tile, unglazed..... | | 8,622 | | 2,547 |
| Drain and sewer pipe..... | | 66,960 | | 65,487 |
| Insulators, electric, porcelain..... | | | | 305,774 |
| Earthenware and chinaware..... | | 4,558,194 | | 4,047,395 |
| Brick, fire, other, valued at not less than \$100 per M, rectangular shaped; the dimensions of each not to exceed 125 cubic inches for use exclusively in the construction or repair of a furnace, kiln, etc..... | | 27,113 | | 41,690 |
| Brick, fire, n.o.p., for use exclusively in the construction or repair of a furnace, kiln or other equipment of a manufacturing establishment..... | | 861,696 | | 1,023,850 |
| Fire brick, n.o.p..... | | 194,060 | | 156,781 |
| Fire brick, chrome..... | | 35,277 | | 50,203 |
| Magnesite brick..... | | 93,840 | | 66,429 |
| Silica brick..... | | 185,356 | | 263,293 |
| Paving brick..... M | 1,563 | 39,901 | 2,678 | 72,989 |
| Other clay manufactures..... | | 771,001 | | 848,089 |
| Total..... | | 7,478,094 | | 8,196,014 |
| EXPORTS— | | | | |
| Building brick..... M | 1,758 | 22,027 | 1,845 | 25,908 |
| Clay— | | | | |
| Unmanufactured..... Cwt. | 7,325 | 8,496 | 14,537 | 3,899 |
| Manufactures..... | | 85,383 | | 61,523 |
| Earthenware..... | | 16,879 | | 12,764 |
| Porcelain insulators..... | | 88,033 | | 120,823 |
| Total..... | | 230,818 | | 224,916 |

Table 132.—Production of Building Brick in Canada by Provinces, 1925 and 1926

| | Nova Scotia | New Brunswick | Quebec | Ontario | Manitoba | Saskatchewan | Alberta | British Columbia | *Canada |
|---------------------------------|------------------|------------------|---------------------|---------------------|-------------------|-------------------|-------------------|-------------------|---------------------|
| 1925 | | | | | | | | | |
| Soft mud process. | Face.....M | | 3 | 24,479 | 3,219 | | | | 27,701 |
| | Common.....M | | 35 | 476,638 | 45,066 | | | | 521,739 |
| | \$ | 830 | 2,000 | 7,740 | 30,790 | 6,014 | 662 | 3,169 | 51,214 |
| | \$ | 10,760 | 30,000 | 80,114 | 474,114 | 96,632 | 9,951 | 52,399 | 753,970 |
| Stiff mud process. (wire cut) | Face.....M | | 21,224 | 68,975 | 324 | 560 | 852 | 533 | 93,963 |
| | Common.....M | | 506,113 | 1,288,382 | 8,404 | 17,104 | 17,963 | 16,710 | 1,883,856 |
| | \$ | 29,180 | | 93,827 | 12,642 | 29 | 465 | 5,036 | 268 |
| | \$ | 3,658 | | 1,328,403 | 195,202 | 283 | 6,531 | 52,645 | 1,635,257 |
| Dry press | Face.....M | | 2,919 | 32,016 | | 77 | 922 | 1,267 | 37,201 |
| | Common.....M | | 91,551 | 638,812 | | 2,634 | 16,525 | 50,982 | 890,564 |
| | \$ | | 250 | 800 | 4,587 | | 11,030 | 4,486 | 22,953 |
| | \$ | 2,800 | 7,200 | 64,377 | | | 137,436 | 58,322 | 276,135 |
| Fancy or ornamental brick.....M | | | 98 | 426 | | | | | 524 |
| | \$ | | 4,592 | 21,728 | | | | | 26,320 |
| Sewer brick.....M | | | | 2,125 | | | | 360 | 2,485 |
| | \$ | | | 37,082 | | | | 15,300 | 52,382 |
| Total.....M | 5,923 | 2,256 | 126,611 | 176,049 | 9,586 | 1,764 | 18,710 | 10,083 | 351,186 |
| | \$ 85,415 | \$ 32,800 | \$ 2,018,008 | \$ 3,196,335 | \$ 150,385 | \$ 36,220 | \$ 224,569 | \$ 197,911 | \$ 5,944,163 |
| 1926 | | | | | | | | | |
| Soft mud process. | Face.....M | 10 | 7,836 | 20,389 | | | | | 28,235 |
| | Common.....M | 200 | 196,829 | 359,544 | | | | | 556,573 |
| | \$ | 826 | 25,833 | 35,474 | 9,775 | 765 | 2,022 | 3,463 | 78,158 |
| | \$ | 10,670 | 365,405 | 522,803 | 159,350 | 11,240 | 24,458 | 51,564 | 1,145,490 |
| Stiff mud process. (wire cut) | Face.....M | 1,262 | 17,156 | 76,078 | 3,181 | 1,252 | 951 | 1,148 | 101,028 |
| | Common.....M | 25,139 | 442,738 | 1,537,450 | 45,778 | 35,365 | 21,111 | 38,781 | 2,146,362 |
| | \$ | 3,845 | 2,372 | 68,131 | 12,110 | 105 | 4,271 | 484 | 91,046 |
| | \$ | 50,002 | 34,258 | 1,247,875 | 206,242 | 1,050 | 31,428 | 45,208 | 1,624,955 |
| Dry press | Face.....M | | | 26,462 | | 593 | 2,070 | 1,298 | 30,423 |
| | Common.....M | | | 539,854 | | 21,422 | 39,064 | 50,896 | 651,236 |
| | \$ | | | 3,055 | | 159 | 13,236 | 3,000 | 19,450 |
| | \$ | | | 39,689 | | 2,138 | 164,771 | 54,000 | 260,598 |
| Fancy or ornamental brick.....M | | | 88 | 374 | | | | | 462 |
| | \$ | | 4,010 | 20,047 | | | | | 24,057 |
| Sewer brick.....M | | | | 6,367 | | | | 149 | 6,516 |
| | \$ | | | 111,620 | | | | 5,574 | 117,194 |
| Total.....M | 5,943 | 2,372 | 119,044 | 180,339 | 13,061 | 5,497 | 22,550 | 9,542 | 358,348 |
| | \$ 86,011 | \$ 34,258 | \$ 2,256,857 | \$ 3,337,249 | \$ 206,178 | \$ 101,593 | \$ 294,612 | \$ 208,807 | \$ 6,525,565 |

*Totals for Canada include record of small production in Prince Edward Island for 1925.

Table 133.—Production of Refractories, in Canada, from Domestic Clays, by Provinces, 1925 and 1926

| Province | Fire clay | | Fire brick | | Fire clay blocks and shapes |
|-----------------------|--------------|---------------|--------------|----------------|-----------------------------|
| | Sold or used | | Sold or used | | |
| | Quantity | Value | Quantity | Value | Sold or used |
| 1925 | | | | | |
| | Tons | \$ | M | \$ | \$ |
| Nova Scotia..... | 48 | 489 | 1,221 | 71,336 | 280 |
| New Brunswick..... | 49 | 1,956 | 30 | 768 | |
| Ontario..... | | | 904 | 46,459 | |
| Saskatchewan..... | 319 | 2,895 | 447 | 21,672 | 7,113 |
| Alberta..... | | | 58 | 2,524 | |
| British Columbia..... | 207 | 1,204 | 3,537 | 162,573 | 29,174 |
| Canada..... | 623 | 6,544 | 6,197 | 305,332 | 36,567 |
| 1926 | | | | | |
| Nova Scotia..... | 536 | 2,123 | 30 | 1,901 | 675 |
| New Brunswick..... | 47 | 1,819 | 25 | 1,372 | |
| Saskatchewan..... | 808 | 5,103 | 737 | 39,456 | 23,361 |
| British Columbia..... | 1,122 | 14,213 | 3,403 | 149,547 | 30,028 |
| Canada..... | 2,513 | 23,258 | 4,195 | 192,276 | 54,064 |

Table 134.—Production of Structural Tile in Canada by Provinces, 1925 and 1926

| Province | Hollow blocks (including fireproofing and load-bearing tile) | | Roofing tile | | Floor tile (quarries) | |
|-----------------------|--------------------------------------------------------------|------------------|---------------|--------------|-----------------------|---------------|
| | Tons | Value | No. | Value | Sq. ft. | Value |
| | | \$ | | \$ | | \$ |
| 1925 | | | | | | |
| Nova Scotia..... | 6,706 | 67,863 | | | | |
| Quebec..... | 31,842 | 302,272 | | | | |
| Ontario..... | 62,926 | 577,477 | 78,479 | 6,323 | 140,927 | 28,338 |
| Manitoba..... | 610 | 9,329 | | | | |
| Saskatchewan..... | 2,700 | 27,052 | | | | |
| Alberta..... | 5,166 | 49,831 | | | | |
| British Columbia..... | 5,626 | 59,573 | | | | |
| Canada..... | 115,576 | 1,093,397 | 78,479 | 6,323 | 140,927 | 28,338 |
| 1926 | | | | | | |
| Nova Scotia..... | 5,141 | 60,615 | | | | |
| Quebec..... | 33,627 | 281,342 | | | | |
| Ontario..... | 76,794 | 710,595 | 17,018 | 1,562 | 195,011 | 43,854 |
| Manitoba..... | 2,511 | 29,132 | | | | |
| Saskatchewan..... | 4,400 | 44,000 | | | | |
| Alberta..... | 12,591 | 115,008 | | | | |
| British Columbia..... | 6,997 | 73,958 | | | | |
| Canada..... | 142,061 | 1,314,650 | 17,018 | 1,562 | 195,011 | 43,854 |

Table 135.—Production of Drain Tile and Sewer Pipe, in Canada, by Provinces, 1925 and 1926

| Province | 1925 | | | | 1926 | | | |
|---------------------------|---------------|----------------|---------------|------------------|---------------|----------------|---------------|------------------|
| | Drain tile | | Sewer pipe | | Drain tile | | Sewer pipe | |
| | M | \$ | Tons | \$ | M | \$ | Tons | \$ |
| Prince Edward Island..... | 22 | 500 | | | | | | |
| Nova Scotia..... | 44 | 1,520 | 11,483 | 195,787 | 53 | 1,877 | 11,532 | 209,465 |
| Quebec..... | 50 | 1,906 | 4,251 | 104,701 | 224 | 10,145 | 6,311 | 153,954 |
| Ontario..... | 13,496 | 360,710 | 49,334 | 893,442 | 12,788 | 340,403 | 48,176 | 835,206 |
| Manitoba..... | 278 | 14,080 | | | 275 | 13,187 | | |
| Saskatchewan..... | 20 | 1,000 | | | 20 | 600 | | |
| Alberta..... | 84 | 3,373 | 6,985 | 191,257 | 132 | 3,955 | 7,140 | 197,225 |
| British Columbia..... | 558 | 18,414 | 1,738 | 55,082 | 766 | 25,851 | 2,837 | 84,926 |
| Canada..... | 14,552 | 461,503 | 73,791 | 1,440,269 | 14,258 | 396,018 | 75,996 | 1,480,776 |

CHAPTER TWELVE

PRODUCTS FROM IMPORTED CLAYS

This industry includes only those factories in Canada which manufactured commodities from special clays imported for the purpose. In 1926, there were 12 plants in this category and the value of production amounted to \$2,039,514, an increase of 18 per cent over the value of \$1,741,745 in the previous year which in turn was slightly under the output of \$1,879,769 reported for 1924. Among the main products of the industry in 1926 were porcelain insulators worth \$1,027,280; firebrick and similar refractories valued at \$323,168; and other lines such as sewer pipe, sanitary ware, floor and wall tile, etc., worth \$689,066.

Of the 12 plants in operation in 1926 there were 7 located in Ontario and 5 in Quebec. Production from the plants in Ontario was worth \$1,222,865 or 60 per cent of the total for Canada. Porcelain insulators were made in 3 different plants; ceramic floor tile in 1 factory; sanitary ware in 2; firebrick and stove linings in 4; and sewer pipe, copings, etc., in 1 plant. In 1925, there were also 12 plants in operation in this industry but the 1 concern in New Brunswick did not manufacture from imported clay in 1926 while 1 other very small concern in Ontario was added to the active list. There was also 1 concern classified in the electrical supplies industry which manufactured porcelain insulators from imported clay as well as wiring devices and conduit fittings.

Capital employed in 1926 amounted to \$2,849,558 of which \$1,691,969 represented the value placed on lands, buildings, machinery and tools; \$611,697 the worth of materials on hand and in process; and \$545,892 the aggregate value of cash, trading and other similar accounts. Ontario's factories accounted for an investment of \$1,681,577 or 59 per cent of the total for the industry, and Quebec accounted for the remainder. Investment in Ontario was higher than in 1926 by \$154,000, while Quebec showed a loss of about \$67,000.

The average number of employees was 597 in 1926 as against 552 in the previous year. Salaries amounting to \$206,126 were paid to the 73 salaried workers, and the 524 wage-earners received \$577,322 for wages during the year. Employment was very steady during the year, and consistently higher than in 1925, the average number of wage-earners being lowest at 510 in January, after which it advanced to 530 in March and remained in that vicinity until November when a sudden increase to 565 was recorded and maintained in December.

Expenditures for fuel and electricity used during the year reached the figure of \$194,903. Bituminous coal made up the bulk of the fuel bill, a total of 17,899 tons at a cost of \$138,395 being used in 1926, while other fuel, principally fuel oil and anthracite, cost \$39,607. Electric power consumption totalled 1,370,628 k.w.h. worth \$16,901.

Materials used in manufacturing during 1926 cost \$520,218 as compared with a figure of \$326,023 in 1925. Imported fire clay, china clay, ball clay and sagger clay cost \$245,951; hardware and malleable iron for insulators, flint, feldspar, glazing materials such as sodium silicate, zinc oxide, tin oxide, white lead, etc., cost \$227,606; and containers, boxes, etc., cost \$46,661. Most of the clay came from United States but considerable quantities were also obtained from the United Kingdom.

Since products made during the year sold for \$2,039,514 and manufacturing materials cost \$520,218 it follows that the value added by manufacturing processes amounted to \$1,519,296.

Statistics relating to the production in Canada of commodities from domestic clays are given in Chapter XI of this report.

Table 136.—Statistics of the Imported-Clay Products Industry in Canada, 1924-1926

| Year | Number of plants | Capital employed | Number of employees* | Salaries and wages* | Cost of fuel and electricity | Cost of materials | Selling value of products | Value added by manufacturing |
|-----------|------------------|------------------|----------------------|---------------------|------------------------------|-------------------|---------------------------|------------------------------|
| | | \$ | | \$ | \$ | \$ | \$ | \$ |
| 1924..... | 12 | 1,677,533 | 489 | 567,143 | 141,401 | 535,793 | 1,879,769 | 1,343,976 |
| 1925..... | 12 | 2,762,951 | 552 | 653,211 | 170,339 | 326,023 | 1,741,745 | 1,415,722 |
| 1926..... | 12 | 2,849,558 | 597 | 783,448 | 194,903 | 520,218 | 2,039,514 | 1,519,296 |

*In 1924 and 1925 figures on capital, employees, salaries and wages, and materials used, do not include data for 1 plant in New Brunswick.

Table 137.—Principal Statistics of the Imported-Clay Products Industry in Canada, by Provinces, 1925 and 1926

| Province | 1925 | | | | 1926 | | | |
|----------------------|------------------|---------------------|--------------------|---------------------------|------------------|---------------------|--------------------|---------------------------|
| | Number of plants | Number of employees | Salaries and wages | Selling value of products | Number of plants | Number of employees | Salaries and wages | Selling value of products |
| Quebec..... | 5 | 210 | \$ 263,450 | \$ 604,653 | 5 | 235 | \$ 321,402 | \$ 816,649 |
| Ontario..... | 6 | 342 | 389,761 | 1,133,277 | 7 | 362 | 461,956 | 1,222,865 |
| Canada* | 12 | 552 | 653,211 | 1,741,745 | 12 | 597 | 783,448 | 2,039,514 |

*Total for 1925 includes data for 1 plant in New Brunswick.

Table 138.—Capital Employed in the Imported-Clay Products Industry in Canada, by Classes and by Provinces, 1925 and 1926

| Province | 1925 | | | | 1926 | | | |
|--------------------|-------------------------------------------------|-----------------------------------------|-----------------------------------------------------------|------------------|-------------------------------------------------|-----------------------------------------|-----------------------------------------------------------|------------------|
| | Capital employed as represented by | | | | Capital employed as represented by | | | |
| | Lands, buildings, fixtures, machinery and tools | Materials on hand, and stock in process | Cash, trading and operating accounts and bills receivable | Total | Lands, buildings, fixtures, machinery and tools | Materials on hand, and stock in process | Cash, trading and operating accounts and bills receivable | Total |
| Quebec..... | \$ 625,215 | \$ 396,598 | \$ 213,322 | \$ 1,235,135 | \$ 686,985 | \$ 247,266 | \$ 233,730 | \$ 1,167,981 |
| Ontario..... | 890,928 | 302,507 | 334,381 | 1,527,816 | 1,004,984 | 364,431 | 312,162 | 1,681,577 |
| Canada..... | 1,516,143 | 699,105 | 547,703 | 2,762,951 | 1,691,969 | 611,697 | 545,892 | 2,849,558 |

Table 139.—Employees, Salaries and Wages in the Imported-Clay Products Industry in Canada, by Provinces, 1925 and 1926

| Province | Average number of employees | | | | | Salaries and wages | | |
|--------------------|-----------------------------|-----------|--------------|-----------|------------|--------------------|----------------|----------------|
| | Salaried employees | | Wage-earners | | Total | Salaries | Wages | Total |
| | Male | Female | Male | Female | | | | |
| 1925 | | | | | | \$ | \$ | \$ |
| Quebec..... | 27 | 2 | 178 | 3 | 210 | 65,117 | 198,333 | 263,450 |
| Ontario..... | 27 | 9 | 268 | 40 | 342 | 84,771 | 304,990 | 389,761 |
| Canada..... | 54 | 11 | 444 | 43 | 552 | 149,888 | 503,323 | 653,211 |
| 1926 | | | | | | \$ | \$ | \$ |
| Quebec..... | 26 | 4 | 200 | 5 | 235 | 69,401 | 252,091 | 321,492 |
| Ontario..... | 32 | 11 | 274 | 45 | 362 | 136,725 | 325,231 | 461,956 |
| Canada..... | 58 | 15 | 474 | 50 | 597 | 206,126 | 577,322 | 783,448 |

Table 140.—Wage-Earners Employed in the Imported-Clay Products Industry in Canada, by Months, 1925 and 1926

| Month | 1925 | | | 1926 | | |
|-----------------------|------------|-----------|------------|------------|-----------|------------|
| | Male | Female | Total | Male | Female | Total |
| January..... | 424 | 41 | 465 | 471 | 39 | 510 |
| February..... | 427 | 40 | 467 | 474 | 42 | 516 |
| March..... | 439 | 42 | 481 | 485 | 45 | 530 |
| April..... | 438 | 48 | 486 | 479 | 48 | 527 |
| May..... | 443 | 49 | 492 | 486 | 44 | 530 |
| June..... | 431 | 47 | 478 | 467 | 44 | 511 |
| July..... | 443 | 40 | 483 | 476 | 48 | 524 |
| August..... | 417 | 41 | 458 | 483 | 50 | 533 |
| September..... | 458 | 41 | 499 | 467 | 63 | 530 |
| October..... | 464 | 43 | 507 | 476 | 54 | 530 |
| November..... | 469 | 40 | 509 | 511 | 54 | 565 |
| December..... | 469 | 40 | 509 | 510 | 56 | 566 |
| Average* | 444 | 43 | 487 | 474 | 50 | 524 |

*See note on page 23.

Table 141.—Hours of Labour (in Month of Greatest Employment) in the Imported-Clay Products Industry in Canada, by Provinces, 1926

| Province | Average number of wage-earners working | | | | Hours worked per man per week when working | | | |
|--------------|----------------------------------------|---------|----------|---------------|--------------------------------------------|---------|----------|---------------|
| | 8 hours or less per day | 9 hours | 10 hours | Over 10 hours | 8 hours or less per day | 9 hours | 10 hours | Over 10 hours |
| Quebec..... | 43 | 178 | 6 | 6 | 48 | 54 | 60 | 68 |
| Ontario..... | 30 | 147 | 185 | 2 | 46 | 50 | 55 | 84 |

Table 142.—Fuel and Electricity Used in the Imported-Clay Products Industry in Canada, 1925 and 1926

| Kind | Unit of measure | 1925 | | 1926 | |
|----------------------|-----------------|-----------|----------------|-----------|----------------|
| | | Quantity | Value | Quantity | Value |
| Anthracite coal..... | short ton | 1,871 | \$ 21,637 | 900 | \$ 9,161 |
| Bituminous coal..... | short ton | 15,264 | 107,156 | 17,899 | 138,305 |
| Coke..... | short ton | 336 | 3,668 | 486 | 5,365 |
| Fuel oil..... | Imp. gal. | 213,885 | 14,815 | 230,807 | 17,004 |
| Gas..... | M cu. ft. | 957 | 670 | 10,768 | 5,499 |
| Wood..... | cord | 241 | 2,165 | 265 | 2,418 |
| Other fuel..... | | | 98 | | 100 |
| Electric power..... | k. w. h. | 1,241,190 | 20,130 | 1,376,628 | 16,901 |
| Total..... | | | 170,339 | | 194,903 |

Table 143.—Power Employed in the Imported-Clay Products Industry in Canada, 1925 and 1926

| Description | 1925 | | 1926 | |
|---------------------------------------------|-----------------|------------------------------------------------|-----------------|------------------------------------------------|
| | Number of units | Total h. p. according to manufacturers' rating | Number of units | Total h. p. according to manufacturers' rating |
| Steam engines..... | | | 1 | 35 |
| <i>Total primary power.....</i> | | | 1 | 35 |
| Electric motors run by purchased power..... | 135 | 865 | 99 | 792 |
| Total power employed..... | 135 | 865 | 99 | 792 |
| <i>Total electric motors.....</i> | <i>135</i> | <i>865</i> | <i>99</i> | <i>792</i> |
| Boilers..... | 13 | 955 | 15 | 1,070 |

Table 144.—Materials Used in the Imported-Clay Products Industry in Canada, 1925 and 1926

| Material | Unit of measure | 1925 | | 1926 | |
|-----------------------------------|-----------------|----------|----------------|----------|---------------------|
| | | Quantity | Value | Quantity | Total cost at works |
| Fireclay..... | ton | 11,777 | \$ 71,611 | 21,660 | \$ 112,805 |
| Clay, all other..... | ton | 4,547 | 88,754 | 4,973 | 133,146 |
| Glazing materials..... | | | 7,885 | | 8,951 |
| Flint..... | ton | 565 | 9,494 | 738 | 12,762 |
| Feldspar..... | ton | 831 | 17,813 | 1,103 | 20,087 |
| Containers, boxes, bags, etc..... | | | 34,341 | | 46,661 |
| All other materials..... | | | 96,125 | | 185,806 |
| Total..... | | | 326,023 | | 520,218 |

Table 145.—Products of the Imported-Clay Products Industry in Canada, 1925 and 1926

| Product | 1925 | 1926 |
|-----------------------------------------------------------------------------------------|------------------------|------------------------|
| | Selling value at works | Selling value at works |
| Firebrick, stove linings and similar refractories..... | \$ 157,911 | \$ 323,168 |
| Porcelain insulators..... | 973,328 | 1,027,280 |
| Glazed ware, stoneware, butter crocks, etc..... | 55,305 | 34,800 |
| All other products (includes floor and wall tile, sewer pipe, sanitary ware, etc.)..... | 555,209 | 654,176 |
| Total..... | 1,741,745 | 2,039,514 |

CHAPTER THIRTEEN

SALT

Production of salt in Canada increased 12.3 per cent in 1926 when the record tonnage for all time at 262,547 tons topped the former high mark of 233,746 tons established in 1925. This year's value was recorded at \$1,480,149 as compared with a value of \$1,410,697 for the 1925 output; the average price for all grades therefore declined to \$5.63 per ton from \$6.04 in the previous year.

Ontario's production in 1926 amounted to 252,345 tons, or 96.1 per cent of the Canadian total, while Nova Scotia and Alberta contributed the remainder. Ontario's wells were located in the Windsor and Sarnia district; Alberta shipments came from the Fort McMurray district, and the Nova Scotia production was derived from the Malagash mine.

Eleven companies operating 12 salt works, reported to the Bureau in 1926. Ten of the establishments were located in Ontario and, of these, 2 were engaged primarily in the production of brine for the use in the manufacture of caustic soda and soda ash in the chemical plants of the producing companies.

These factories represented a capital of \$2,782,728 as compared with a figure of \$2,563,508 in the previous year. The aggregate value of all lands, buildings and plant equipment was given at \$1,899,373. The bulk of the investment was, of course, in plants in Ontario.

A total of 51 salaried employees and 333 wage-earners were employed in the salt works in Canada in 1926; these numbers were slightly lower than the corresponding figures of 57 and 345 respectively reported for 1925. Salaries, however, were higher at \$121,014 as against \$114,960 in 1925, and wages increased to \$361,637 from \$352,527. There was but little variation in the number of people employed from month to month. In January the average number of wage-earners was 307; by April the maximum of 359 was reached; and in December the low for the year was recorded at 305.

Fuel and electric power costs for the year amounted to \$324,612. Bituminous coal for boiler fuel and for heat to evaporate the brine was the major item on the list; in 1926, a total of 54,177 tons worth \$280,249 were used in the various plants. Electric power consumption amounted to about 1,131,352 k.w.h. at a cost of \$17,519 at the works.

Power employed totalled 1,473 h.p. delivered from 87 different units including 30 steam engines rated at 752 h.p., 3 oil or gasoline engines at 62 h.p. and 54 electric motors which were run by purchased power and rated at 659 h.p. There were also 2 electric motors rated at 52 h.p. run by power generated within the reporting plants, and 26 boilers rated at 4,100 h.p.

Imports of salt into Canada during 1926 totalled 188,401 tons appraised at \$1,036,594. Of this amount 83,929 tons were for use of the sea and gulf fisheries; 75,965 tons was salt in bulk for other purposes; 28,053 tons was in bags, barrels, etc., and only 454 tons was table salt. Exports in 1926 amounted to 1,164 tons valued at \$19,423.

Historical references and more detailed information on the salt industry in Canada may be obtained from the annual report on the *Mineral Production of Canada* published by the Bureau.

Table 146.—Principal Statistics of the Salt Industry in Canada, 1922-1926

| Year | Number of plants | Capital employed | Number of employees | Salaries and wages | Cost of fuel and electricity* | Miscellaneous expenses | Selling value of products |
|------------|------------------|------------------|---------------------|--------------------|-------------------------------|------------------------|---------------------------|
| | | \$ | | \$ | \$ | \$ | \$ |
| 1922 | 11 | 2,205,184 | 371 | 432,261 | 369,000 | 407,105 | 1,628,323 |
| 1923 | 12 | 2,406,992 | 368 | 412,597 | 367,323 | 404,046 | 1,713,516 |
| 1924 | 12 | 2,479,563 | 364 | 431,018 | 359,336 | 424,578 | 1,374,780 |
| 1925 | 13 | 2,563,508 | 402 | 467,487 | 315,368 | (a) | 1,410,697 |
| 1926 | 12 | 2,782,728 | 384 | 482,051 | 324,612 | (a) | 1,480,149 |

(a) Data not available.

*Electricity not included in 1922.

Table 147.—Capital Employed in the Salt Industry in Canada, 1922-1926

| Year | Capital employed as represented by | | | |
|-----------|-------------------------------------------------|-----------------------------------------|------------------------------------------------------------|------------------|
| | Lands, buildings, fixtures, machinery and tools | Materials on hand and stocks in process | Cash, trading, and operating accounts and bills receivable | Total |
| | \$ | \$ | \$ | \$ |
| 1922..... | 1,390,424 | 228,860 | 576,900 | 2,205,184 |
| 1923..... | 1,545,576 | 278,106 | 583,310 | 2,406,992 |
| 1924..... | 1,584,581 | 247,412 | 647,570 | 2,479,563 |
| 1925..... | 1,787,023 | 262,831 | 513,654 | 2,563,508 |
| 1926..... | 1,899,373 | 270,076 | 613,279 | 2,782,728 |

Table 148.—Employees, Salaries and Wages in the Salt Industry in Canada, 1922-1926

| Year | Average number of employees | | | | | Salaries and wages | | |
|-----------|-----------------------------|--------|--------------|--------|------------|--------------------|---------|----------------|
| | Salaried employees | | Wage-earners | | | Salaries | Wages | Total |
| | Male | Female | Male | Female | Total | | | |
| | | | | | | \$ | \$ | \$ |
| 1922..... | 39 | 9 | 293 | 30 | 371 | 94,599 | 337,662 | 432,261 |
| 1923..... | 37 | 15 | 292 | 24 | 368 | 103,227 | 309,370 | 412,597 |
| 1924..... | 37 | 14 | 278 | 35 | 364 | 113,740 | 317,878 | 431,618 |
| 1925..... | 45 | 12 | 310 | 35 | 402 | 114,960 | 352,527 | 467,487 |
| 1926..... | 41 | 10 | 300 | 33 | 384 | 121,014 | 361,637 | 482,651 |

Table 149.—Wage-Earners in the Salt Industry in Canada, by Months, 1925 and 1926

| Month | 1925 | | | 1926 | | |
|----------------|------------|-----------|------------|------------|-----------|------------|
| | Male | Female | Total | Male | Female | Total |
| January..... | 279 | 27 | 306 | 280 | 27 | 307 |
| February..... | 271 | 28 | 299 | 279 | 30 | 309 |
| March..... | 292 | 31 | 323 | 305 | 32 | 337 |
| April..... | 323 | 30 | 353 | 327 | 32 | 359 |
| May..... | 319 | 31 | 350 | 317 | 30 | 347 |
| June..... | 313 | 30 | 343 | 294 | 33 | 327 |
| July..... | 337 | 32 | 369 | 306 | 34 | 340 |
| August..... | 322 | 31 | 353 | 308 | 33 | 339 |
| September..... | 329 | 34 | 363 | 286 | 33 | 319 |
| October..... | 325 | 37 | 362 | 283 | 37 | 320 |
| November..... | 307 | 40 | 347 | 296 | 42 | 338 |
| December..... | 285 | 33 | 318 | 270 | 35 | 305 |
| *Average..... | 278 | 35 | 313 | 300 | 33 | 333 |

*See note on page 23.

Table 150.—Fuel and Electricity Used in the Salt Industry in Canada, 1925 and 1926

| Kind | Unit of measure | 1925 | | 1926 | |
|----------------------|-----------------|-----------|----------------|-----------|----------------|
| | | Quantity | Cost at works | Quantity | Cost at works |
| Bituminous coal..... | short ton | 57,081 | 278,067 | 54,177 | 280,249 |
| Lignite coal..... | short ton | 1,665 | 10,359 | 2,763 | 19,065 |
| Gasoline..... | Imp. gal | 6,200 | 1,288 | 5,600 | 1,168 |
| Wood..... | cords | 40 | 200 | 30 | 150 |
| Other fuel..... | | | 6,315 | | 6,461 |
| Electricity..... | k.w.h. | 1,179,094 | 19,139 | 1,131,352 | 17,519 |
| Total..... | | | 315,268 | | 324,612 |

Table 151.—Power Employed in the Salt Industry in Canada, 1925 and 1926

| Description | 1925 | | 1926 | |
|---------------------------------------------------------|-----------------|-----------------------------------------------|-----------------|-----------------------------------------------|
| | Number of units | Total h.p. according to manufacturers' rating | Number of units | Total h.p. according to manufacturers' rating |
| Steam engines and turbines..... | 30 | 717 | 30 | 752 |
| Oil and gasoline engines..... | 4 | 71 | 3 | 62 |
| <i>Total primary power</i> | 34 | 788 | 33 | 814 |
| Electric motors run by purchased power..... | 48 | 658 | 54 | 659 |
| Total power employed | 82 | 1,446 | 87 | 1,473 |
| Electric motors run by primary power in same plant..... | 2 | 52 | 2 | 52 |
| <i>Total electric motors</i> | 50 | 710 | 56 | 711 |
| Boilers..... | 25 | 3,950 | 26 | 4,100 |

Table 152.—Production of Salt in Canada, by Grades, 1925 and 1926

| Grade | 1925 | | | 1926 | | |
|-----------------------------------------------------------------|-------------------|----------------|-------------------------------------------------------------|-------------------|----------------|-------------------------------------------------------------|
| | Manu- factured | Sold | Value of salt sold (Not includ- ing pack- ages) | Manu- factured | Sold | Value of salt sold (Not includ- ing pack- ages) |
| | tons | tons | \$ | tons | tons | \$ |
| Table and dairy..... | 47,452 | 46,790 | 713,571 | 50,642 | 50,905 | 762,491 |
| Common fine..... | 34,383 | 33,197 | 186,207 | 46,131 | 47,202 | 241,320 |
| Common coarse..... | 46,637 | 43,931 | 312,107 | 30,937 | 32,785 | 228,395 |
| Land salt..... | 5,133 | 5,125 | 21,826 | 4,170 | 3,965 | 16,865 |
| Other grades..... | 11,799 | 11,203 | 83,396 | 15,178 | 14,670 | 118,058 |
| Brine for chemical works (Salt equivalent sold or used)..... | 93,500 | 93,500 | 93,500 | 113,020 | 113,020 | 113,020 |
| Total | 238,904 | 233,746 | 1,410,697 | 260,678 | 262,547 | 1,480,149 |
| Value of packages..... | | | 548,528 | | | 569,396 |
| Grand Total | | | 1,959,225 | | | 2,049,545 |

Table 153.—Imports into Canada and Exports of Salt, 1925 and 1926

| | 1925 | | 1926 | |
|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------|----------------|------------------|
| | Tons | Value | Tons | Value |
| Imports— | | \$ | | \$ |
| Salt, for the use of the sea or gulf fisheries..... | 80,398 | 329,820 | 83,929 | 327,040 |
| Salt, in bulk, n.o.p..... | 73,166 | 327,364 | 75,965 | 393,747 |
| Salt, n.o.p., in bags, barrels, etc..... | 40,061 | 420,137 | 28,053 | 284,118 |
| Salt, table, made by an admixture of other ingredients, when containing not less than 90 per cent of pure salt. (From April 1, 1926)..... | | | 454 | 31,689 |
| Total | 193,625 | 1,077,321 | 188,401 | 1,036,594 |
| Exports | 2,324 | 26,678 | 1,104 | 19,423 |

CHAPTER FOURTEEN

SAND-LIME BRICK

Production of sand-lime brick in Canada during 1926 totalled 50,282 M valued at \$606,409 as compared with 68,869 M worth \$854,055 in 1925. Materials used cost \$197,400 so the value added by manufacturing was \$432,272. Quicklime and sand were the principal materials used in making sand-lime brick; in 1926 a total of 270,687 bushels of lime and of 84,724 cubic yards of sand were used for this purpose.

Ten plants were in operation during the year; 8 were located in Ontario and 2 in Manitoba. Two concerns in Ontario did not operate during 1926, but 2 new factories were opened, leaving the number of operating plants the same as in the previous year.

Capital employed in the manufacture of sand-lime brick was reported at \$1,082,577 in 1926 as against \$960,729 in the previous year. The value of lands, plants, machinery and tools was given at \$937,115 or \$200,000 higher than in 1925. Plants in Ontario represented a capital of \$732,259 or 68 per cent of the total for Canada; the figure for this province showed an increase of \$122,000 over the capital given for 1925.

Employees numbered 218 as against 239 in 1925 and salaries and wages paid during the year amounted to \$223,599 as against \$257,116 in 1925. Concerns in Ontario gave work to 196 people or 90 per cent of the Dominion total.

As most of the sand-lime brick was used in the building trade, employment showed a distinct seasonal trend. Starting at 121 in January the number of wage-earners declined to 100 in the following month and then increased to 172 in April and reached the maximum of 230 in June. In July the number dropped to 203, remained at about the same figure in August and then declined steadily to 132 in December. The average for the year was 197 as against 222 in 1925.

Fuel costs for the year amounted to \$37,971, and electric power cost \$12,148. A total of 27 electric motors rated at 637 h.p. were driven by purchased power, the total consumption of electricity for the year amounting to 616,904 k.w.h. There were also 4 steam engines rated at 265 h.p., bringing the total power employed to 902 h.p. Nine boilers were in use in the various plants.

Statistics relating to the production of clay brick are given in Chapter XI of this report.

Table 154.—Principal Statistics of the Sand-Lime Brick Industry in Canada, 1922-1926

| Year | Number of plants | Capital employed | Number of employees | Salaries and wages | Cost of fuel and electricity | Cost of materials | Selling value of products | Value added by manufacturing |
|------|------------------|------------------|---------------------|--------------------|------------------------------|-------------------|---------------------------|------------------------------|
| 1922 | 11 | \$ 1,224,808 | 223 | 287,705 | \$ 58,258 | 291,903 | \$ 658,807 | \$ 566,004 |
| 1923 | 8 | 1,042,610 | 225 | 255,248 | 50,810 | 218,118 | 897,000 | 679,842 |
| 1924 | 12 | 1,346,230 | 236 | 248,045 | 61,237 | 182,260 | 619,946 | 438,688 |
| 1925 | 10 | 960,729 | 239 | 257,116 | 62,044 | 130,555 | 854,055 | 723,500 |
| 1926 | 10 | 1,082,577 | 218 | 223,599 | 50,119 | 197,400 | 629,672 | 432,272 |

Table 155.—Capital Employed in the Sand-Lime Brick Industry in Canada, by Classes and by Provinces, 1925 and 1926

| Province | 1925 | | | | 1926 | | | |
|---------------|-------------------------------------------------|------------------------------------------|-----------------------------------------------------------|----------------|-------------------------------------------------|------------------------------------------|-----------------------------------------------------------|------------------|
| | Capital employed as represented by | | | | Capital employed as represented by | | | |
| | Lands, buildings, fixtures, machinery and tools | Materials on hand, and stocks in process | Cash, trading and operating accounts and bills receivable | Total | Lands, buildings, fixtures, machinery and tools | Materials on hand, and stocks in process | Cash, trading and operating accounts and bills receivable | Total |
| Ontario | \$ 395,808 | \$ 39,576 | \$ 175,027 | \$ 610,411 | \$ 594,231 | \$ 40,342 | \$ 97,680 | \$ 732,259 |
| Manitoba | 342,884 | 2,454 | 4,980 | 350,318 | 342,884 | 2,454 | 4,980 | 350,318 |
| Canada | 738,692 | 42,030 | 180,007 | 960,729 | 937,115 | 42,796 | 102,666 | 1,082,577 |

Table 156.—Employees, Salaries and Wages in the Sand-Lime Brick Industry in Canada, by Provinces, 1925 and 1926

| Province | Average number of employees | | | | | Salaries and wages | | |
|---------------|-----------------------------|--------|--------------|--------|-------|--------------------|---------|---------|
| | Salaried employees | | Wage-earners | | Total | Salaries | Wages | Total |
| | Male | Female | Male | Female | | | | |
| | | | | | | \$ | \$ | \$ |
| 1925 | | | | | | | | |
| Ontario..... | 13 | 1 | 202 | | 216 | 26,837 | 213,556 | 240,393 |
| Manitoba..... | 3 | | 20 | | 23 | 8,500 | 8,223 | 16,723 |
| Canada..... | 16 | 1 | 222 | | 239 | 35,337 | 221,779 | 257,116 |
| 1926 | | | | | | | | |
| Ontario..... | 16 | 2 | 178 | | 196 | 33,830 | 171,747 | 205,577 |
| Manitoba..... | 3 | | 19 | | 32 | 8,500 | 9,522 | 18,022 |
| Canada..... | 19 | 2 | 197 | | 218 | 42,330 | 181,269 | 223,599 |

Table 157.—Wage-Earners Employed in the Sand-Lime Brick Industry in Canada, by Months, 1925 and 1926

| Month | 1925 | | | 1926 | | |
|----------------|------|--------|-------|------|--------|-------|
| | Male | Female | Total | Male | Female | Total |
| January..... | 176 | | 176 | 121 | | 121 |
| February..... | 172 | | 172 | 100 | | 100 |
| March..... | 183 | | 183 | 110 | | 110 |
| April..... | 218 | | 218 | 172 | | 172 |
| May..... | 228 | | 228 | 222 | | 222 |
| June..... | 238 | | 238 | 230 | | 230 |
| July..... | 232 | | 232 | 203 | | 203 |
| August..... | 229 | | 229 | 204 | | 204 |
| September..... | 225 | | 225 | 182 | | 182 |
| October..... | 224 | | 224 | 169 | | 169 |
| November..... | 199 | | 199 | 139 | | 139 |
| December..... | 197 | | 197 | 132 | | 132 |
| Average* | 222 | | 222 | 197 | | 197 |

*See note on page 23.

Table 158.—Hours of Labour (in Month of Greatest Employment) in the Sand-Lime Brick Industry in Canada, 1926

| Province | Number of wage-earners working | | | | Average hours worked per man per week when working | | | |
|---------------|--------------------------------|---------|----------|---------------|----------------------------------------------------|---------|----------|---------------|
| | 8 hours or less per day | 9 hours | 10 hours | Over 10 hours | 8 hours or less per day | 9 hours | 10 hours | Over 10 hours |
| Ontario..... | 42 | 28 | 156 | 2 | 50 | 54 | 60 | 84 |
| Manitoba..... | 15 | | 7 | | 40 | | 60 | |

Table 159.—Fuel and Electricity Used in the Sand-Lime Brick Industry in Canada, 1925 and 1926

| Kind | Unit of measure | 1925 | | 1926 | |
|----------------------|-----------------|----------|---------------|----------|---------------|
| | | Quantity | Value | Quantity | Value |
| Bituminous coal..... | short ton | 7,451 | 47,388 | 5,802 | 37,438 |
| Gasoline..... | Imp. gal. | | | 417 | 123 |
| Wood..... | cord | 27 | 158 | 51 | 410 |
| Electric power..... | k.w.h. | 817,516 | 14,498 | 616,904 | 12,148 |
| Total | | | 62,044 | | 58,119 |

Table 160.—Power Employed in the Sand-Lime Brick Industry in Canada, 1925 and 1926

| Description | 1925 | | 1926 | |
|---------------------------------------------------------|-----------------|-----------------------------------------------|-----------------|-----------------------------------------------|
| | Number of units | Total h.p. according to manufacturers' rating | Number of units | Total h.p. according to manufacturers' rating |
| Steam engines and turbines..... | 4 | 475 | 4 | 265 |
| <i>Total primary power</i> | 4 | 475 | 4 | 265 |
| Electric motors run by purchased power..... | 26 | 719 | 27 | 637 |
| Total power employed | 30 | 1,194 | 31 | 902 |
| Electric motors run by primary power in same plant..... | | | 1 | 10 |
| <i>Total electric motors</i> | <i>26</i> | <i>719</i> | <i>28</i> | <i>647</i> |
| Boilers..... | 10 | 915 | 9 | 1,170 |

Table 161.—Materials Used in the Sand-Lime Brick Industry in Canada, 1925 and 1926

| Item | Unit of measure | 1925 | | 1926 | |
|----------------------|----------------------------------------|----------|----------------|----------|----------------|
| | | Quantity | Cost at works | Quantity | Cost at works |
| | | | \$ | | \$ |
| Portland cement..... | barrel bushel cu. yd. cu. yd. | | | 8,057 | 12,071 |
| Quicklime..... | | | | 270,687 | 98,471 |
| Sand..... | | | 130,555 | 84,724 | 82,979 |
| Gravel..... | | | | 3,489 | 2,722 |
| Other materials..... | | | | | 1,157 |
| Total | | | 130,555 | | 197,400 |

Table 162.—Products of the Sand-Lime Brick Industry in Canada, 1925 and 1926

| Item | 1925 | | 1926 | |
|----------------------|----------|----------------|----------|----------------|
| | Quantity | Selling value | Quantity | Selling value |
| | M | \$ | M | \$ |
| Sand-lime brick..... | 68,869 | 854,055 | 50,282 | 606,409 |
| Other products*..... | | | | 23,263 |
| Total | | 854,055 | | 629,672 |

*Includes hollow building blocks, etc.

Table 163.—Production of Sand-Lime Brick in Canada, 1919-1926

| Year | Production | |
|-----------|------------|---------|
| | Quantity | Value |
| | M | \$ |
| 1919..... | 31,624 | 455,005 |
| 1920..... | 39,264 | 693,841 |
| 1921..... | 43,457 | 662,744 |
| 1922..... | 52,739 | 851,007 |
| 1923..... | 60,080 | 897,960 |
| 1924..... | 55,873 | 618,946 |
| 1925..... | 68,869 | 854,055 |
| 1926..... | 50,282 | 606,409 |

CHAPTER FIFTEEN

MONUMENTAL AND ORNAMENTAL STONE

The monumental and ornamental stone industry as reviewed in this chapter includes only those plants in Canada engaged primarily in cutting and finishing stone for building, ornamental or monumental purposes; the primary production or quarrying of stone is not included in this industry. Many concerns engaged in the quarrying of stone also cut and finished it for the market; the operations of these establishments have been covered in the primary stone industry as it is impossible to get separate data for the finishing operations. An extract from the annual report on the *Mineral Production of Canada*, which deals with the primary stone industry, has been added as a supplement to the present chapter so a review of the industry as a whole may be readily available to the reader. The main statistics shown in this chapter, refer only to cutting and finishing plants.

Production from the monumental and ornamental stone industry in 1926 was valued at \$5,799,690, an increase of 8 per cent over 1925 and the highest value ever shown for the industry. Capital employed at \$5,443,767, the number of plants at 232, and the average number of employees at 1,491 were also the record figures for this group.

In 1926, reports were received from 232 plants of which 122 were located in Ontario, 50 in Quebec, 13 in Manitoba, 12 in Nova Scotia, 10 each in New Brunswick and British Columbia, 8 in Saskatchewan, 5 in Alberta, and 2 in Prince Edward Island. As compared with the previous year there was a net gain of 18 plant, there being 9 more concerns in Quebec, 4 in Ontario, 2 in Nova Scotia and 1 in each of the provinces of New Brunswick, Saskatchewan and British Columbia. Ontario with 53 per cent of the operating plants accounted for an output worth \$3,312,038 or 57 per cent of the total for Canada. Manitoba was next with a production worth \$836,318 and Quebec third at \$800,935.

Many of the plants were very small and the capital employed in the industry, therefore, was comparatively low. In 1926 the total was given at \$5,443,767 which was a gain of about 9 per cent over the previous year. Lands, plants, machinery and tools were valued at \$2,480,635 or slightly more than in 1925, while the value of materials and stocks on hand was given at \$1,373,493 and the total of all cash, trading and other accounts was \$1,589,639. Concerns in Ontario represented an investment of \$3,211,062 or 59 per cent of the total. Quebec was second at \$763,561 and Manitoba next at \$617,305 while all the other provinces were represented by smaller investments.

Including 253 salaried employees and 1,238 wage-earners the average number of workers employed during 1926 was 1,491 or about 230 over the average for 1925. Salaries and wages paid during the year totalled \$2,175,223. By provinces, the averages were as follows: Ontario, 751; Quebec, 272; Manitoba, 223; Saskatchewan, 54; New Brunswick, 52; Alberta and British Columbia, 47 each; Nova Scotia and Prince Edward Island, 45.

As much of the finished stone was used for building purposes, there was a seasonal trend which was reflected by the number of wage-earners working each month. In January there were 921 wage-earners working in the various plants; by July the number had increased to 1,379, and it remained in that vicinity until November. Then slight declines occurred during the last two months of the year. The average for the industry, obtained by adding together the average monthly strengths of the individual companies, was 1,238. All during the year the number of wage-earners was consistently higher than in the previous year.

Many of the plants in this industry were small concerns employing only 2 or 3 men, but there were also a number of plants operating on a large scale with productions in excess of \$100,000. Statistics for 1926 show that 117 plants employed only 1 or 2 persons in each; 80 establishments gave work to from 3 to 10 persons in each; 26 plants employed from 11 to 25 persons; while only 10 plants employed more than 25 people in each. Only 11 plants each reported a production value at more than \$100,000; 15 others each exceeded \$50,000; 24 more each reported a production value of above \$25,000; 64 others exceeded the \$10,000 mark; 60 more were each above \$5,000; 53 more each were above \$1,000; and only 5 were below the latter figure.

Considerable power was used for cutting and finishing purposes. In many of the smaller plants, of course, all the work was done by hand. A total of 416 electric motors rated at 5,452 h.p. were in use in the industry; all these were operated by purchased power. In addition there were 13 oil or gasoline engines, 6 gas engines and 2 steam engines; the total rating of these primary units was 195 h.p. bringing the total power employed in the industry to 5,647 h.p. There were also 8 boilers rated at 134 h.p. in use in the various plants.

Electric power consumed during the year amounted to 2,968,090 k.w.h. at a cost of \$83,125. Coal consumption amounted to 1,298 tons worth \$11,565; coke, 966 tons worth \$2,082; gasoline, 15,107 gallons at \$4,583; and other fuel \$5,137.

The cost at the plants of all limestone, granite, marble, etc., used during the year was \$1,859,964 as compared with \$1,964,817 in 1925, but the value of production was higher at \$5,799,690 as against \$5,355,997 in the previous year. Apparently limestone was the most important for building purposes, the value of sales for this purpose being \$1,969,755 out of a total production of this stone worth \$2,064,201. Granite was used chiefly for monuments, the value for this purpose being \$1,619,206 with only \$74,792 worth for building purposes. Marble was used extensively for both purposes, the value of building marble being \$644,945 and for monuments, \$376,859. Lettered monuments only were worth \$925,681 and other products, \$94,006.

Some information on the quarrying of stone is given at the end of this chapter and further data are shown in the annual report on the *Mineral Production of Canada* in 1926.

Imports of stone into Canada during 1926 were valued at \$1,144,614 as compared with a value of \$824,992 in 1925. Exports were worth \$194,588 as compared with \$138,392 in the previous year.

Table 164.—Principal Statistics of the Monumental and Ornamental Stone Industry in Canada, 1922-1926

| Year | Number of plants | Capital employed | Number of employees | Salaries and wages | Cost of fuel* and electricity | Cost of materials | Selling value of products | Value added by manufacturing |
|-----------|------------------|------------------|---------------------|--------------------|-------------------------------|-------------------|---------------------------|------------------------------|
| | | \$ | | \$ | \$ | \$ | \$ | \$ |
| 1922..... | 208 | 5,027,035 | 1,273 | 1,809,444 | 19,532 | 1,844,548 | 4,968,487 | 3,123,939 |
| 1923..... | 210 | 5,073,618 | 1,278 | 1,842,963 | 20,170 | 1,683,126 | 5,025,003 | 3,341,877 |
| 1924..... | 210 | 4,944,269 | 1,344 | 1,887,462 | 95,791 | 1,441,753 | 4,730,572 | 3,288,819 |
| 1925..... | 214 | 5,015,729 | 1,262 | 1,811,512 | 96,929 | 1,964,817 | 5,355,997 | 3,391,180 |
| 1926..... | 232 | 5,443,767 | 1,491 | 2,175,223 | 106,492 | 1,859,964 | 5,799,690 | 3,939,726 |

*Electricity not included in 1922 and 1923.

Table 165.—Principal Statistics of the Monumental and Ornamental Stone Industry in Canada, by Provinces, 1925 and 1926

| Province | 1925 | | | | 1926 | | | |
|-------------------------------------------|------------------|---------------------|--------------------|---------------------------|------------------|---------------------|--------------------|---------------------------|
| | Number of plants | Number of employees | Salaries and wages | Selling value of products | Number of plants | Number of employees | Salaries and wages | Selling value of products |
| | | | \$ | \$ | | | \$ | \$ |
| Prince Edward Island and Nova Scotia..... | 12 | 32 | 28,232 | 126,632 | 14 | 45 | 40,052 | 154,768 |
| New Brunswick..... | 9 | 56 | 55,567 | 122,503 | 10 | 52 | 56,046 | 123,112 |
| Quebec..... | 41 | 233 | 285,579 | 687,440 | 50 | 272 | 351,504 | 800,935 |
| Ontario..... | 118 | 698 | 1,097,055 | 3,485,505 | 122 | 751 | 1,163,531 | 3,312,038 |
| Manitoba..... | 13 | 133 | 179,922 | 523,258 | 13 | 223 | 346,193 | 836,318 |
| Saskatchewan..... | 7 | 34 | 44,357 | 108,999 | 8 | 54 | 74,557 | 218,474 |
| Alberta..... | 5 | 30 | 54,395 | 152,768 | 5 | 47 | 61,458 | 182,461 |
| British Columbia..... | 9 | 46 | 66,405 | 148,892 | 10 | 47 | 81,882 | 171,554 |
| Canada..... | 214 | 1,262 | 1,811,512 | 5,355,997 | 232 | 1,491 | 2,175,223 | 5,799,690 |

Table 166.—Capital Employed in the Monumental and Ornamental Stone Industry in Canada, by Classes and by Provinces, 1925 and 1926

| Province | 1925 | | | | 1926 | | | |
|-------------------------------------------|-------------------------------------------------|-----------------------------------------|-----------------------------------------------------------|------------------|-------------------------------------------------|-----------------------------------------|-----------------------------------------------------------|------------------|
| | Capital employed as represented by | | | | Capital employed as represented by | | | |
| | Lands, buildings, fixtures, machinery and tools | Materials on hand and stocks in process | Cash, trading and operating accounts and bills receivable | Total | Lands, buildings, fixtures, machinery and tools | Materials on hand and stocks in process | Cash, trading and operating accounts and bills receivable | Total |
| \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | |
| Prince Edward Island and Nova Scotia..... | 25,540 | 46,160 | 11,275 | 82,975 | 59,514 | 36,385 | 20,659 | 116,558 |
| New Brunswick..... | 53,673 | 42,030 | 22,734 | 118,437 | 53,716 | 48,910 | 22,103 | 124,729 |
| Quebec..... | 349,400 | 189,831 | 156,841 | 696,072 | 389,777 | 230,128 | 143,656 | 763,561 |
| Ontario..... | 1,491,438 | 700,345 | 827,815 | 3,019,598 | 1,571,203 | 746,539 | 893,320 | 3,211,062 |
| Manitoba..... | 233,225 | 143,973 | 184,332 | 561,530 | 217,050 | 102,194 | 298,061 | 617,305 |
| Saskatchewan..... | 83,387 | 61,339 | 68,388 | 213,114 | 77,785 | 74,624 | 101,986 | 254,395 |
| Alberta..... | 50,449 | 100,433 | 75,892 | 226,774 | 52,630 | 105,777 | 89,333 | 247,740 |
| British Columbia..... | 59,315 | 20,615 | 17,299 | 97,229 | 58,960 | 28,636 | 20,521 | 108,417 |
| Canada..... | 2,346,427 | 1,304,726 | 1,364,576 | 5,015,729 | 2,490,635 | 1,373,493 | 1,389,639 | 5,443,767 |

Table 167.—Employees, Salaries and Wages in the Monumental and Ornamental Stone Industry in Canada, by Provinces, 1925 and 1926

| Province | Average number of employees | | | | Salaries and wages | | | |
|-------------------------------------------|-----------------------------|-----------|--------------|----------|--------------------|----------------|------------------|------------------|
| | Salaried employees | | Wage-earners | | Total | Salaries | Wages | Total |
| | Male | Female | Male | Female | | | | |
| | | | | | \$ | \$ | \$ | |
| 1925 | | | | | | | | |
| Prince Edward Island and Nova Scotia..... | 5 | | 27 | | 32 | 4,100 | 24,132 | 28,232 |
| New Brunswick..... | 5 | 1 | 50 | | 56 | 9,060 | 46,507 | 55,567 |
| Quebec..... | 24 | 2 | 207 | | 233 | 60,128 | 225,451 | 285,579 |
| Ontario..... | 110 | 13 | 573 | 2 | 698 | 243,361 | 853,694 | 1,097,055 |
| Manitoba..... | 23 | 4 | 106 | | 133 | 57,345 | 122,577 | 179,923 |
| Saskatchewan..... | 9 | 2 | 23 | | 34 | 17,980 | 26,377 | 44,357 |
| Alberta..... | 6 | 3 | 21 | | 30 | 14,225 | 40,176 | 54,395 |
| British Columbia..... | 7 | | 39 | | 46 | 16,040 | 50,365 | 66,405 |
| Canada..... | 189 | 25 | 1,046 | 2 | 1,262 | 422,239 | 1,389,273 | 1,811,512 |
| 1926 | | | | | | | | |
| Prince Edward Island and Nova Scotia..... | 5 | | 40 | | 45 | 3,100 | 36,952 | 40,052 |
| New Brunswick..... | 7 | 1 | 44 | | 52 | 10,420 | 46,626 | 56,046 |
| Quebec..... | 31 | 3 | 238 | | 272 | 62,090 | 289,414 | 351,504 |
| Ontario..... | 127 | 13 | 608 | 3 | 751 | 267,666 | 895,835 | 1,163,531 |
| Manitoba..... | 24 | 4 | 195 | | 223 | 51,558 | 294,635 | 346,193 |
| Saskatchewan..... | 15 | 3 | 36 | | 54 | 23,219 | 51,398 | 74,557 |
| Alberta..... | 7 | 5 | 34 | 1 | 47 | 15,410 | 46,048 | 61,458 |
| British Columbia..... | 8 | | 39 | | 47 | 18,613 | 63,269 | 81,882 |
| Canada..... | 224 | 29 | 1,234 | 4 | 1,491 | 452,106 | 1,723,117 | 2,175,223 |

Table 168.—Wage-Earners Employed in the Monumental and Ornamental Stone Industry in Canada, by Months, 1925 and 1926

| Month | 1925 | | | 1926 | | |
|-----------------------|--------------|----------|--------------|--------------|----------|--------------|
| | Male | Female | Total | Male | Female | Total |
| January..... | 800 | 1 | 801 | 917 | 4 | 921 |
| February..... | 779 | 1 | 780 | 962 | 4 | 966 |
| March..... | 822 | 1 | 823 | 1,028 | 4 | 1,032 |
| April..... | 880 | 1 | 881 | 1,125 | 4 | 1,129 |
| May..... | 985 | 1 | 986 | 1,186 | 4 | 1,190 |
| June..... | 1,056 | 2 | 1,058 | 1,343 | 4 | 1,347 |
| July..... | 1,139 | 2 | 1,141 | 1,375 | 4 | 1,379 |
| August..... | 1,157 | 2 | 1,159 | 1,368 | 4 | 1,372 |
| September..... | 1,143 | 2 | 1,145 | 1,369 | 4 | 1,373 |
| October..... | 1,111 | 2 | 1,113 | 1,376 | 4 | 1,380 |
| November..... | 1,052 | 2 | 1,054 | 1,235 | 4 | 1,239 |
| December..... | 983 | 2 | 985 | 1,080 | 4 | 1,084 |
| Average* | 1,046 | 2 | 1,048 | 1,234 | 4 | 1,238 |

*See note on page 23.

Table 169.—Hours of Labour (In Month of Greatest Employment) in the Monumental and Ornamental Stone Industry in Canada, by Provinces, 1926

| Province | Number of wage-earners working | | | | Average number of hours worked per man per week when working | | | |
|-------------------------------------------|--------------------------------|---------|----------|---------------|--------------------------------------------------------------|---------|----------|---------------|
| | 8 hours or less per day | 9 hours | 10 hours | Over 10 hours | 8 hours or less per day | 9 hours | 10 hours | Over 10 hours |
| Prince Edward Island and Nova Scotia..... | 18 | 22 | 7 | ..... | 48 | 54 | 60 | ..... |
| New Brunswick..... | 47 | 3 | 2 | ..... | 46 | 50 | 60 | ..... |
| Quebec..... | 137 | 122 | 42 | 7 | 48 | 54 | 60 | 66 |
| Ontario..... | 501 | 96 | 117 | 68 | 46 | 54 | 60 | 66 |
| Manitoba..... | 53 | 9 | 148 | 4 | 46 | 54 | 60 | 54 |
| Saskatchewan..... | 15 | 3 | 22 | 9 | 46 | 50 | 60 | 66 |
| Alberta..... | 47 | ..... | ..... | ..... | 44 | ..... | ..... | ..... |
| British Columbia..... | 43 | ..... | ..... | ..... | 44 | ..... | ..... | ..... |

Table 170.—Fuel and Electricity Used in the Monumental and Ornamental Stone Industry in Canada, 1925 and 1926

| Kind | Unit of measure | 1925 | | 1926 | |
|----------------------|-----------------|-----------|---------------|-----------|----------------|
| | | Quantity | Value | Quantity | Value |
| Anthracite coal..... | ton | 263 | 3,949 | 360 | 5,212 |
| Bituminous coal..... | ton | 1,416 | 12,379 | 934 | 6,307 |
| Lignite coal..... | ton | 29 | 315 | 4 | 46 |
| Coke..... | ton | 102 | 1,350 | 966 | 2,082 |
| Gasoline..... | Imp. gal. | 15,903 | 4,645 | 15,107 | 4,583 |
| Fuel oil..... | Imp. gal. | 3,256 | 871 | 14,771 | 1,692 |
| Wood..... | cords | 869 | 3,655 | 323 | 2,357 |
| Gas..... | M cu. ft. | 2,172 | 2,123 | 854 | 898 |
| Other fuel..... | ..... | ..... | 174 | ..... | 190 |
| Electric power..... | k.w.h. | 2,997,122 | 67,462 | 2,968,090 | 83,125 |
| Total..... | ..... | ..... | 96,929 | ..... | 106,492 |

Table 171.—Power Employed in the Monumental and Ornamental Stone Industry in Canada, 1925 and 1926

| Description | 1925 | | 1926 | |
|---------------------------------------------|-----------------|-----------------------------------------------|-----------------|-----------------------------------------------|
| | Number of units | Total h.p. according to manufacturers' rating | Number of units | Total h.p. according to manufacturers' rating |
| Steam engines and turbines..... | 2 | 44 | 2 | 10 |
| Gas engines..... | 3 | 60 | 6 | 71 |
| Oil and gasoline engines..... | 13 | 91 | 13 | 114 |
| Hydraulic turbines or water wheels..... | 1 | 3 | | |
| <i>Total primary power</i> | <i>19</i> | <i>198</i> | <i>21</i> | <i>195</i> |
| Electric motors run by purchased power..... | 400 | 5,209 | 416 | 5,452 |
| Total power employed | 419 | 5,407 | 437 | 5,647 |
| <i>Total electric power</i> | <i>400</i> | <i>5,209</i> | <i>416</i> | <i>5,452</i> |
| Boilers..... | 6 | 202 | 8 | 134 |

Table 172.—Materials Used in the Monumental and Ornamental Stone Industry in Canada, 1925 and 1926

| Material | 1925 | 1926 |
|-----------------------------|------------------|------------------|
| | Cost at works | Cost at works |
| | \$ | \$ |
| Cost of all stone used..... | 1,904,817 | 1,859,964 |
| Total | 1,964,817 | 1,859,964 |

Table 173.—Products of the Monumental and Ornamental Stone Industry in Canada, 1925 and 1926

| Product | 1925 | 1926 |
|---------------------------------------------|------------------------------|------------------------------|
| | Total selling value at works | Total selling value at works |
| Granite cut and polished—(a) Monuments..... | 1,387,658 | 1,619,206 |
| (b) For building purposes..... | 73,376 | 74,792 |
| Marble cut and polished—(a) Monuments..... | 292,621 | 376,859 |
| (b) For building purposes..... | 573,602 | 644,945 |
| Marble chips and dust..... | 13,849 | 19,085 |
| Limestone—(a) Monuments and bases..... | 154,488 | 94,446 |
| (b) For building purposes..... | 1,909,212 | 1,909,755 |
| Finished monuments, lettered only..... | 861,322 | 925,681 |
| Other products..... | 89,869 | 74,921 |
| Total | 5,355,997 | 5,799,690 |

Primary Production of Stone.—(From the Annual Report on the *Mineral Production of Canada*, 1926.)—Production of stone in Canada during 1926 of 6,397,590 tons, valued at \$7,865,874, was considerably higher than the figures for the 1925 shipments of 5,706,119 tons worth \$7,464,777. Ontario was the leading producer, accounting for 60·6 per cent of the total quantity. Quebec followed with 31·8 per cent. The other provinces in order of tonnage produced, were: British Columbia, Manitoba, Nova Scotia, New Brunswick and Alberta.

The kinds of stone quarried included granite (trap-rock, syenite and other igneous rock), limestone, sandstone and marble.

The quantities of limestone quarried and used in the manufacture of lime by the operator have not been included under this industry; only the quantity and value of lime are recorded in order to avoid duplication of entries.

Table 174.—Production of Stone in Canada by Provinces, 1925 and 1926

| Province | 1925 | | 1926 | |
|-----------------------|------------------|------------------|------------------|------------------|
| | Tons | Value \$ | Tons | Value \$ |
| Nova Scotia..... | 102,125 | 134,686 | 92,315 | 150,792 |
| New Brunswick..... | 25,391 | 124,743 | 19,108 | 99,545 |
| Quebec..... | 2,242,916 | 3,855,455 | 2,305,774 | 3,728,228 |
| Ontario..... | 3,022,712 | 2,817,333 | 3,622,042 | 3,157,288 |
| Manitoba..... | 52,770 | 188,496 | 101,571 | 357,884 |
| Alberta..... | 3,979 | 6,868 | 3,759 | 13,890 |
| British Columbia..... | 256,226 | 337,196 | 253,061 | 358,247 |
| Canada..... | 5,706,119 | 7,464,777 | 6,397,590 | 7,865,874 |

Table 175.—Production of Stone in Canada, by Provinces, Showing Purposes for Which Used, 1926

| Product | Nova Scotia | New Brunswick | Quebec | Ontario | Manitoba | Alberta | British Columbia | Canada |
|--------------------------------------------------------------|----------------|---------------|------------------|------------------|----------------|---------------|------------------|------------------|
| Building— | | | | | | | | |
| Rough..... tons | 535 | 550 | 36,145 | 22,540 | 34,380 | | | 94,150 |
| \$ | 4,950 | 2,400 | 168,032 | 88,675 | 147,396 | | | 411,433 |
| Dressed..... tons | | 305 | 45,435 | 8,085 | 3,522 | 214 | 400 | 57,961 |
| \$ | | 5,328 | 640,754 | 75,559 | 134,953 | 8,064 | 5,800 | 870,458 |
| Monumental and ornamental— | | | | | | | | |
| Rough..... tons | | 400 | 9,837 | 816 | | | 3,218 | 14,271 |
| \$ | | 5,718 | 178,231 | 16,412 | | | 20,790 | 221,151 |
| Dressed..... tons | 540 | 2,709 | 4,179 | 101 | | | 1,289 | 8,818 |
| \$ | 33,050 | 54,316 | 517,428 | 5,372 | | | 57,210 | 667,376 |
| Flagstone..... tons | | | 200 | 836 | | | | 1,016 |
| \$ | | | 120 | 7,397 | | | | 7,517 |
| Curbstone..... tons | | 70 | 4,758 | | | | 101 | 4,929 |
| \$ | | 848 | 24,391 | | | | 1,550 | 26,789 |
| Paving blocks..... tons | | 20 | 5,658 | 1,550 | | | 5 | 7,233 |
| \$ | | 213 | 36,848 | 12,746 | | | 120 | 49,927 |
| Limestone, for flux..... tons | 74,435 | | 3,674 | 184,586 | | | 46,924 | 309,619 |
| \$ | 71,711 | | 3,280 | 158,821 | | | 38,753 | 272,565 |
| Limestone for sugar factories, chemical works, etc..... tons | | 13,800 | 106,834 | 59,767 | | 3,545 | 34,368 | 218,314 |
| \$ | | 25,580 | 106,916 | 44,410 | | 5,826 | 64,258 | 246,990 |
| Rubble and riprap..... tons | 8,487 | | 91,056 | 136,543 | 9,360 | | 10,994 | 256,410 |
| \$ | 15,537 | | 76,496 | 104,917 | 11,358 | | 7,710 | 216,018 |
| Ground limestone for agricultural use..... tons | 8,016 | 1,192 | 3,008 | 1,443 | | | 552 | 14,211 |
| \$ | 25,064 | 5,034 | 11,804 | 1,082 | | | 3,209 | 46,233 |
| Crushed stone..... tons | 300 | 60 | 1,994,940 | 3,205,775 | 54,309 | | 155,208 | 5,410,592 |
| \$ | 450 | 90 | 1,963,668 | 2,641,897 | 64,177 | | 158,787 | 4,829,059 |
| Poultry grit..... tons | 2 | | 10 | | | | 2 | 16 |
| \$ | 30 | 18 | 200 | | | | 60 | 309 |
| Total..... tons | 92,315 | 19,108 | 2,305,734 | 3,622,042 | 101,571 | 3,759 | 253,061 | 6,397,590 |
| \$ | 150,792 | 99,545 | 3,728,228 | 3,157,288 | 357,884 | 13,890 | 358,241 | 7,865,874 |

Table 176.—Production of Stone in Canada by Kinds and by Provinces, 1926

| Province | Granite | | Limestone | | Marble | | Sandstone | |
|-----------------------|------------------|------------------|------------------|------------------|--------------|----------------|---------------|----------------|
| | Tons | Value \$ | Tons | Value \$ | Tons | Value \$ | Tons | Value \$ |
| Nova Scotia..... | 4,884 | 41,738 | 82,753 | 97,255 | | | 4,678 | 11,799 |
| New Brunswick..... | 3,824 | 66,423 | 15,054 | 30,722 | | | 230 | 2,400 |
| Quebec..... | 494,385 | 803,052 | 1,784,434 | 2,316,997 | 4,709 | 507,817 | 22,206 | 40,362 |
| Ontario..... | 398,253 | 359,217 | 3,214,544 | 2,742,424 | 586 | 13,755 | 8,659 | 41,892 |
| Manitoba..... | | | 101,571 | 357,884 | | | | |
| Alberta..... | | | 3,545 | 5,826 | | | 214 | 8,064 |
| British Columbia..... | 163,077 | 244,197 | 81,844 | 106,220 | | | 8,140 | 7,830 |
| Canada..... | 1,064,423 | 1,574,627 | 5,283,745 | 5,657,328 | 5,295 | 521,572 | 44,127 | 112,347 |

Table 177.—Imports into Canada and Exports of Stone, by Kinds, 1925 and 1926

| | 1925 | | 1926 | |
|-----------------------------------------------------------------------------------------------------------------------|---------|----------------|---------|------------------|
| | Tons | Value | Tons | Value |
| Imports— | | \$ | | \$ |
| Building stone, other than marble or granite, sawn on more than two sides, but not sawn on more than four sides..... | 285 | 4,143 | 262 | 4,223 |
| Building stone other than marble or granite, planed, turned, cut or further manufactured than sawn on four sides..... | 231 | 7,917 | 591 | 28,561 |
| Flagstone, granite, rough sandstone, and all building stone, not hammered, sawn or chiselled..... | | 134,170 | | 187,055 |
| Flagstone and building stone, other than marble or granite, sawn on not more than two sides..... | | 97,875 | | 95,790 |
| Granite, sawn only..... | | 2,255 | | 6,189 |
| Granite, manufactures of, n.o.p..... | | 158,614 | | 175,651 |
| Marble, rough, not hammered or chiselled..... | | 87,507 | | 91,039 |
| Marble, sawn or sand rubbed, not polished..... | | 174,029 | | 186,462 |
| Marble, manufactures of, n.o.p..... | | 40,293 | | 101,748 |
| Refuse stone..... | 160,997 | 100,544 | 334,832 | 220,177 |
| Manufactures of stone, n.o.p..... | | 37,645 | | 47,719 |
| Total..... | | 824,992 | | 1,144,614 |
| Exports— | | | | |
| Crushed..... | 42,518 | 81,764 | 101,117 | 134,755 |
| Granite and marble, unwrought..... | 3,430 | 36,552 | 3,553 | 38,828 |
| Freestone, limestone, and other building stone, unwrought..... | 4,186 | 14,389 | 2,853 | 3,915 |
| Dressed..... | | 5,687 | | 17,090 |
| Total..... | | 123,392 | | 194,588 |

CHAPTER SIXTEEN

MISCELLANEOUS NON-METALLIC MINERAL PRODUCTS.

Under this heading there has been included all concerns which made (a) artificial abrasives and abrasive products; (b) artificial graphite and carbon electrodes; (c) gypsum products including wallboard, plaster castings and models, etc.; (d) products of the mica trimming shops; (e) miscellaneous products such as foundry supplies, electrical slate, etc. Output from the 31 plants classified in this group in 1926 was valued at \$8,612,658 as compared with a value of \$7,978,183 from the 35 establishments in operation in 1925. The abrasive industry was by far the most important of the group with a production worth \$6,081,822; gypsum products were worth \$1,466,923; mica products, \$358,609; and other products, \$705,304.

(a) **ARTIFICIAL ABRASIVES AND ABRASIVE PRODUCTS.**—Production of artificial abrasives such as crude carborundum, firesand and fused alumina, abrasive products such as abrasive wheels, cloth and paper and other commodities including ferrosilicon was valued at \$6,081,822 as compared with a corresponding figure of \$5,909,318 in 1925. Capital employed in the industry amounted to \$6,398,369, employees numbered 622 persons, payments in salaries and wages totalled \$929,755 and raw materials cost \$2,093,434. Four plants in Ontario and 1 in Quebec made artificial abrasives while 6 establishments in Ontario manufactured grinding wheels, abrasive paper and similar products. Two factories which reported as manufacturers of abrasive products in 1925 were not included in 1926; one small plant went out of business during the year while another was discarded as being merely a jobbing department of a large concern engaged in marketing glue, sandpaper, etc.

According to returns received in the annual census, crude silicon carbide was manufactured in 3 different plants, fused alumina in 2, ferrosilicon in 2, abrasive wheels in 6, and abrasive cloth and paper in 1 establishment.

(b) **GRAPHITE PRODUCTS.**—Carbon electrodes were made in Canada at Niagara Falls, Ontario, and at Welland, Ontario. Artificial graphite was made at the Niagara Falls plant. As there were only 2 firms in this line of work, data for the industry have not been shown separately.

(c) **GYPSUM PRODUCTS.**—Gypsum products made in this industry amounted in value to \$1,466,923 in 1926. Seven plants were in operation, capital employed totalled \$1,060,706, employees numbered 350, and materials cost \$583,048. Wall coating, gypsum board and gypsum blocks were the main products of the group and amounted in value to \$1,221,575 in 1926; in addition, hardwall plaster and some wallboard were made in plants which also quarried the gypsum and were therefore included in the mineral production group. Plaster castings, church supplies, and ornamental plaster works were valued at \$238,452. Four of the operating factories were located in Ontario and 3 were in Quebec. Compared with 1925 there was 1 additional concern in Quebec but 2 in Ontario which had formerly been included were transferred to the artificial stone group. Gypsum blocks were reported from 2 plants; wallboard and wall plasters from 1 concern; wall coating from 1; staff plaster castings from 1; ornamental plaster works from 1, and assorted statues and church supplies from 1 concern. In addition, wall board was made in 1 plant, and hardwall plaster in 5 factories which have not been included in this report.

It was difficult to obtain complete figures for this industry as some companies which quarried gypsum also calcined it and operated plants for the production of wall plaster, wallboard and similar gypsum products; where these latter manufacturing units were distinct from the quarries separate data were obtained, but in one or two cases it was impossible to make a separation of the information. The directory on page 116 shows the firms included under this review.

(d) **MICA TRIMMING.**—The mica trimming industry as reviewed under this heading includes only those firms which bought knife-trimmed, thumb-trimmed or block mica and were engaged only in the splitting or trimming of same for the market. Many of the mica mining companies

operated their own trimming shops but it was not possible to obtain a separation of date for the operations and their output has been included with the primary production of mica as shown in the annual report on the *Mineral Production of Canada*. An extract from this latter review has been appended to this chapter so statistics on the whole industry may be readily available to the reader. The directory on page 116 shows the firms included under the mica-trimming industry.

Only 9 plants, of which 8 were located in Quebec and 1 in Ontario, were engaged in the trimming or splitting of mica in 1926 as compared with a total of 11 establishments in 1925. Two factories in Quebec did not operate in 1926. Of the reporting plants 7 produced splittings only; 1 reported an output of knife-trimmed mica and splittings, and 1 made mica plate, tubes, and splittings.

Capital employed in 1926 amounted to \$366,139; the average number of employees was 493 to whom \$132,864 was paid in salaries and wages; materials used cost \$185,361 and the value of products was reported at \$358,609. Salaried employees in this industry numbered 20 and wage-earners averaged 473; of the latter 451 were women or girls. Much of the work was done on piece-work basis.

(e) MISCELLANEOUS NON-METALLIC MINERAL PRODUCTS, N.E.S. In 1926 only 2 firms were included under this classification; 1 made foundry facings and supplies and the other was engaged in re-cutting and milling electrical slate. Both were in Ontario.

Table 178.—Principal Statistics of the Miscellaneous Non-Metallic Mineral Products Industry in Canada, 1922-1926

| Year | Number of plants | Capital employed | Number of employees | Salaries and wages | Cost of fuel and electricity* | Cost of materials | Selling value of products | Value added by manufacturing |
|-----------|------------------|------------------|---------------------|--------------------|-------------------------------|-------------------|---------------------------|------------------------------|
| | | \$ | | \$ | \$ | \$ | \$ | \$ |
| 1922..... | 26 | 6,354,115 | 1,371 | 722,090 | 73,960 | 1,318,652 | 3,015,539 | 1,696,887 |
| 1923..... | 38 | 7,262,403 | 2,917 | 1,492,846 | 90,596 | 2,879,015 | 8,147,331 | 5,268,316 |
| 1924..... | 36 | 6,659,059 | 1,767 | 1,328,976 | 564,220 | 2,427,145 | 6,991,904 | 4,564,759 |
| 1925..... | 35 | 8,322,096 | 1,316 | 1,371,895 | 592,327 | 2,686,856 | 7,978,183 | 5,291,227 |
| 1926..... | 31 | 8,926,857 | 1,552 | 1,626,661 | 730,604 | 3,004,413 | 8,612,658 | 5,608,245 |

*Electricity not included in 1922 and 1923.

Table 179.—Principal Statistics of the Miscellaneous Non-Metallic Mineral Products Industry in Canada by Provinces and by Groups, 1925 and 1926

| | 1925 | | | | 1926 | | | |
|-------------------------------------------------|------------------|---------------------|--------------------|---------------------------|------------------|---------------------|--------------------|---------------------------|
| | Number of plants | Number of employees | Salaries and wages | Selling value of products | Number of plants | Number of employees | Salaries and wages | Selling value of products |
| BY PROVINCES | | | \$ | \$ | | | \$ | \$ |
| Quebec..... | 13 | 553 | 334,547 | 1,237,149 | 12 | 632 | 337,905 | 1,139,683 |
| Ontario..... | 22 | 763 | 1,037,348 | 6,741,034 | 19 | 920 | 1,288,756 | 7,472,975 |
| Canada..... | 35 | 1,316 | 1,371,895 | 7,978,183 | 31 | 1,552 | 1,626,661 | 8,612,658 |
| BY GROUPS | | | | | | | | |
| Artificial abrasives and abrasive products..... | 13 | 598 | 853,458 | 5,909,318 | 11 | 622 | 929,755 | 6,081,822 |
| Gypsum products..... | 8 | 213 | 271,429 | 1,001,509 | 7 | 350 | 455,027 | 1,466,923 |
| Mica trimming..... | 11 | 422 | 143,816 | 352,147 | 9 | 493 | 132,864 | 358,909 |
| Graphite products, foundry facings, etc..... | 3 | 83 | 103,092 | 715,209 | 4 | 87 | 109,015 | 705,304 |
| Total..... | 35 | 1,316 | 1,371,895 | 7,978,183 | 31 | 1,552 | 1,626,661 | 8,612,658 |

Table 180.—Capital Employed in the Miscellaneous Non-Metallic Mineral Products Industry in Canada, by Classes, 1925 and 1926

| | 1925 | | | | 1926 | | | |
|-------------------------------------------------|-----------------------------------------------|------------------------------------|-----------------------------------------------------------|------------------|-----------------------------------------------|------------------------------------|-----------------------------------------------------------|------------------|
| | Capital employed as represented by | | | | Capital employed as represented by | | | |
| | Cost of lands, buildings, machinery and tools | Cost of supplies and stock on hand | Cash, trading and operating accounts and bills receivable | Total | Cost of lands, buildings, machinery and tools | Cost of supplies and stock on hand | Cash, trading and operating accounts and bills receivable | Total |
| BY PROVINCES | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ |
| Quebec..... | 1,308,598 | 503,340 | 605,325 | 2,417,263 | 1,273,678 | 392,160 | 763,773 | 2,429,611 |
| Ontario..... | 3,185,718 | 1,165,780 | 1,553,335 | 5,904,833 | 3,242,678 | 1,235,454 | 2,019,114 | 6,497,246 |
| Canada..... | 4,494,316 | 1,669,120 | 2,158,660 | 8,322,096 | 4,516,356 | 1,627,614 | 2,782,887 | 8,926,857 |
| BY GROUPS | | | | | | | | |
| Artificial abrasives and abrasive products..... | 3,694,054 | 1,012,802 | 1,453,530 | 6,160,382 | 3,654,489 | 967,021 | 1,775,950 | 6,398,369 |
| Gypsum products..... | 268,404 | 119,994 | 252,088 | 640,486 | 382,267 | 215,235 | 463,204 | 1,060,706 |
| Mica trimming..... | 165,651 | 334,807 | 31,112 | 521,570 | 96,440 | 245,506 | 24,193 | 366,139 |
| Graphite products, foundry facings, etc..... | 376,207 | 201,517 | 421,924 | 999,648 | 383,160 | 198,952 | 519,531 | 1,101,643 |
| Total..... | 4,494,316 | 1,669,120 | 2,158,660 | 8,322,096 | 4,516,356 | 1,627,614 | 2,782,887 | 8,926,857 |

Table 181.—Employees, Salaries and Wages in the Miscellaneous Non-Metallic Mineral Products Industry in Canada, by Groups, 1925 and 1926

| | Average number of employees | | | | Salaries and wages | | | |
|-------------------------------------------------|-----------------------------|-----------|--------------|------------|--------------------|----------------|------------------|------------------|
| | Salaried employees | | Wage-earners | | Total | Salaries | Wages | Total |
| | Male | Female | Male | Female | | | | |
| 1925 | | | | | | \$ | \$ | \$ |
| Artificial abrasives and abrasive products..... | 62 | 19 | 512 | 5 | 598 | 175,054 | 678,404 | 853,458 |
| Gypsum products..... | 26 | 3 | 172 | 12 | 213 | 69,066 | 202,363 | 271,429 |
| Mica trimming..... | 17 | 9 | 20 | 376 | 422 | 29,116 | 114,800 | 143,916 |
| Graphite products, foundry facings, etc..... | 17 | 4 | 61 | 1 | 83 | 24,331 | 78,761 | 103,092 |
| Total..... | 122 | 35 | 765 | 394 | 1,316 | 297,567 | 1,074,328 | 1,371,895 |
| 1926 | | | | | | | | |
| Artificial abrasives and abrasive products..... | 67 | 24 | 527 | 4 | 622 | 178,264 | 751,491 | 929,755 |
| Gypsum products..... | 27 | 4 | 306 | 13 | 350 | 79,486 | 375,541 | 455,027 |
| Mica trimming..... | 12 | 8 | 22 | 451 | 493 | 25,342 | 107,522 | 132,864 |
| Graphite products, foundry facings, etc..... | 18 | 4 | 64 | 1 | 87 | 27,109 | 81,906 | 109,015 |
| Total..... | 124 | 40 | 919 | 469 | 1,552 | 310,201 | 1,316,460 | 1,626,661 |

Table 182.—Wage-Earners Employed in the Miscellaneous Non-Metallic Mineral Products Industry in Canada by Months and by Groups, 1925 and 1926

| Month | 1925 | | | | 1926 | | | |
|--------------------------|--------------------------------------------|-----------------|---------------|------------------------------------------|--------------------------------------------|-----------------|---------------|------------------------------------------|
| | Artificial abrasives and abrasive products | Gypsum products | Mica trimming | Graphite products, foundry facings, etc. | Artificial abrasives and abrasive products | Gypsum products | Mica trimming | Graphite products, foundry facings, etc. |
| January..... | 490 | 173 | 366 | 61 | 523 | 265 | 394 | 63 |
| February..... | 488 | 190 | 372 | 62 | 528 | 321 | 395 | 63 |
| March..... | 498 | 194 | 375 | 62 | 538 | 331 | 400 | 63 |
| April..... | 503 | 208 | 389 | 62 | 537 | 334 | 418 | 66 |
| May..... | 500 | 204 | 425 | 61 | 642 | 325 | 404 | 67 |
| June..... | 513 | 183 | 463 | 61 | 538 | 300 | 428 | 68 |
| July..... | 522 | 302 | 490 | 60 | 531 | 320 | 485 | 70 |
| August..... | 518 | 157 | 458 | 62 | 516 | 316 | 445 | 67 |
| September..... | 529 | 150 | 393 | 66 | 517 | 322 | 480 | 63 |
| October..... | 526 | 159 | 410 | 63 | 531 | 321 | 435 | 63 |
| November..... | 519 | 158 | 423 | 60 | 526 | 300 | 436 | 62 |
| December..... | 543 | 161 | 334 | 59 | 524 | 293 | 404 | 62 |
| Average—Male..... | 512 | 172 | 26 | 61 | 527 | 306 | 22 | 64 |
| Female..... | 5 | 12 | 376 | 1 | 4 | 13 | 451 | 1 |
| Total..... | 517 | 184 | 422 | 62 | 531 | 319 | 473 | 65 |

Table 183.—Fuel and Electricity Used in the Miscellaneous Non-Metallic Mineral Products Industry in Canada, 1925 and 1926

| Kind | Unit of measure | 1925 | | 1926 | |
|----------------------|-----------------|-------------|----------------|-------------|----------------|
| | | Quantity | Value | Quantity | Value |
| | | | \$ | | \$ |
| Anthracite coal..... | short ton | 333 | 4,409 | 307 | 4,016 |
| Bituminous coal..... | short ton | 9,548 | 62,682 | 13,350 | 89,812 |
| Coke..... | short ton | 25 | 248 | 526 | 5,329 |
| Gasoline..... | Imp. gal. | 90 | 18 | | |
| Fuel oil..... | Imp. gal. | 8,523 | 342 | 3,127 | 321 |
| Gas..... | M cu. ft. | 1,348 | 604 | 5,991 | 2,118 |
| Wood..... | cord | 122 | 415 | 111 | 419 |
| Electric power..... | K. W. H. | 195,058,070 | 523,500 | 119,435,062 | 628,589 |
| Other..... | | | 100 | | |
| Total..... | | | 592,327 | | 730,664 |

Table 184.—Power Employed in the Miscellaneous Non-Metallic Mineral Products Industry in Canada, 1925 and 1926

| Description | 1925 | | 1926 | |
|-------------------------------------------------|-----------------|-----------------------------------------------|-----------------|-----------------------------------------------|
| | Number of units | Total h.p. according to manufacturers' rating | Number of units | Total h.p. according to manufacturers' rating |
| Steam engines and turbines..... | 2 | 150 | 1 | 100 |
| <i>Total primary power.....</i> | <i>2</i> | <i>150</i> | <i>1</i> | <i>100</i> |
| Electric motors run by purchased power..... | 277 | 158,936 | 306 | 159,725 |
| Total power employed..... | 279 | 159,886 | 307 | 159,825 |
| Electric motors run by power in same plant..... | 80 | 442 | 92 | 411 |
| <i>Total electric motors.....</i> | <i>357</i> | <i>159,378</i> | <i>398</i> | <i>160,136</i> |
| Boilers..... | 10 | 965 | 14 | 1,225 |

Table 185.—Materials Used in the Miscellaneous Non-Metallic Mineral Products Industry in Canada, 1925 and 1926

| Material | Unit of measure | 1925 | | 1926 | |
|---------------------------------------------------------------------------------------------------------------------------|-----------------|-----------|------------------|-----------|------------------|
| | | Quantity | Cost at works | Quantity | Cost at works |
| ARTIFICIAL ABRASIVES AND ABRASIVE PRODUCTS— | | | | | |
| Bauxite and alumina..... | ton | | | 40,178 | 872,831 |
| Coal and coke (not for fuel)..... | ton | | | 30,666 | 346,878 |
| Electrodes..... | lb. | | | 1,755,093 | 124,699 |
| Iron..... | ton | 1,658,526 | | 4,603 | 53,052 |
| Salt..... | lb. | | | 694,780 | 3,478 |
| Sawdust..... | lb. | | | 9,104,968 | 27,360 |
| Silica sand..... | ton | | | 35,171 | 193,372 |
| Artificial abrasive grains (alundum, aloxite, silicon carbide, etc)..... | lb. | | 112,120 | 1,352,279 | 80,424 |
| Natural abrasive grains (corundum, silica, flint, garnet, etc)..... | lb. | | 39,512 | 1,045,135 | 43,676 |
| Bonding and bushing materials..... | | | | | 19,320 |
| All other materials including cotton cloth, kraft paper, tar, firebrick, fireclay, unfinished wheels and specialties..... | | | 178,771 | | 318,165 |
| Containers, boxes, packages, etc..... | | | 17,689 | | 10,179 |
| Total..... | | | 2,006,618 | | 2,093,434 |
| GYPSUM PRODUCTS— | | | | | |
| Crude gypsum..... | lb. | 187,200 | 1,123 | 275,920 | 1,691 |
| Plaster of Paris..... | ton | 17,556 | 80,275 | 53,111 | 221,655 |
| Clay..... | ton | 608 | 6,997 | 662 | 7,834 |
| Glue..... | lb. | 194,200 | 33,017 | 233,602 | 42,497 |
| Paper..... | lb. | 4,058,000 | 117,759 | 3,081,000 | 79,283 |
| Sawdust and shavings..... | | | 5,996 | | 6,888 |
| All other materials including whiting, starch, cement, re-inforcing, etc..... | | | 78,783 | | 156,595 |
| Containers, boxes, packages, etc..... | | | 24,116 | | 66,252 |
| Total..... | | | 348,046 | | 583,048 |
| MICA TRIMMING— | | | | | |
| Mica, knife-trimmed and thumb-trimmed..... | lb. | 570,840 | 133,025 | 680,211 | 152,582 |
| Mica splittings..... | lb. | 7,931 | 1,745 | 30,906 | 17,217 |
| Mica plate, block mica, and uncut mica..... | lb. | 37,633 | 18,689 | | 12,712 |
| Other materials..... | | | 3,359 | | 2,850 |
| Total..... | | | 156,818 | | 185,361 |
| OTHER MISCELLANEOUS INDUSTRIES— | | | | | |
| Materials used in the manufacture of artificial graphite, carbon electrodes, foundry facings and supplies, etc..... | | | 175,374 | | 142,570 |
| Total..... | | | 2,686,556 | | 3,064,413 |

Table 186.—Products of the Miscellaneous Non-Metallic Mineral Products Industry in Canada, 1925 and 1926

| Product | Unit of measure | 1925 | | 1926 | |
|--------------------------------------------------------------------------------------------------------------------------|-----------------|-----------|------------------|----------|------------------|
| | | Quantity | Selling value | Quantity | Selling value |
| ARTIFICIAL ABRASIVES AND ABRASIVE PRODUCTS— | | | | | |
| Crude silicon carbide..... | ton | | \$ 5,186,802 | 20,285 | \$ 1,779,492 |
| Fused alumina..... | ton | | | 34,649 | 3,423,526 |
| Abrasive wheels..... | | | 431,550 | | 619,124 |
| Other products including abrasive cloth, abrasive paper, sharpening stones, and ferrosilicon..... | | | 290,966 | | 259,680 |
| Total..... | | | 5,909,318 | | 6,061,822 |
| GYPSUM PRODUCTS— | | | | | |
| Gypsum blocks, wall coating and wall board..... | | | 864,483 | | 1,221,575 |
| Staff plaster castings, ornamental plaster works, assorted statues and church supplies..... | | | 113,054 | | 238,452 |
| All other products..... | | | 23,972 | | 6,896 |
| Total..... | | | 1,001,509 | | 1,466,923 |
| MICA TRIMMING— | | | | | |
| Mica splittings..... | lb. | 308,654 | 230,227 | 374,604 | 262,167 |
| Mica, knife-trimmed..... | lb. | 1,406,234 | 74,321 | 191,749 | 49,318 |
| All other products including mica plate, mica tubes, cut and uncut mica..... | | | 47,599 | | 47,124 |
| Total..... | | | 352,147 | | 358,609 |
| OTHER MISCELLANEOUS INDUSTRIES— | | | | | |
| Products made including artificial graphite, carbon electrodes, foundry facings and supplies, electrical slate, etc..... | | | 715,209 | | 705,304 |
| Total..... | | | 7,978,183 | | 8,612,658 |

Primary Production of Natural Abrasives.—(From the annual report on the *Mineral Production of Canada, 1926.*)—**DIATOMITE.**—Although development work was carried on during 1926 in Canada in connection with diatomite deposits no report of the tonnage shipped, has been received. The Canadian production of this material was derived from a deposit located at Silica Lake, Colchester County, Nova Scotia.

Diatomite, sometimes called tripolite, is a silicious material closely related to quartz and is used for heat and sound insulation, as an absorbent, a filtering medium, a filler, a mild abrasive, a structural material, etc. The Canadian material is usually given a preliminary calcine in rotary furnaces, before shipment.

GRINDING PEBBLES.—Grinding pebbles are obtained in Canada from a deposit near Jackfish, Ontario. Shipments during 1926 amounted to 64 tons valued at \$576 as compared with a total of 105 tons at \$945 shipped in the previous year.

GRINDSTONES, PULPSTONES AND SCYTHESTONES.—The production of grindstones, pulpstones, and scythestones in Canada during 1926 reached a total of 2,695 tons worth \$151,227. In 1925 shipments were reported at \$2,562 tons with a value of \$124,165.

VOLCANIC DUST.—The deposit of volcanic dust near Waldeck, Saskatchewan was operated in 1926 and the shipments made during the year were reported at 90 tons worth \$630. A total of 160 tons valued at \$1,380 was shipped from this deposit during 1925. This material is used as a base in the manufacture of cleansers.

Table 187.—Imports into Canada and Exports of Abrasives, 1925 and 1926

| | 1925 | | 1926 | |
|---------------------------------------------------------------------------------------------------------------------------------------------|----------|------------------|-----------|------------------|
| | Quantity | Value | Quantity | Value |
| IMPORTS— | | \$ | | \$ |
| Abrasives— | | | | |
| Artificial abrasives in bulk, crushed or ground, when imported for use in the manufacture of abrasive wheels and polishing composition..... | | 123,651 | | 230,933 |
| Carborundum wheels or stones not further manufactured than moulded and burned..... | | | | 158,468 |
| Diamond dust or bort, and black diamonds for borers..... | | 694,405 | | 963,141 |
| Emery in bulk, crushed or ground..... | | 223,598 | | 53,384 |
| Emery wheels and carborundum wheels, n.o.p..... | | 198,432 | | 77,331 |
| Emery or carborundum, manufactures of, including carborundum stones, n.o.p..... | | 59,775 | | 67,710 |
| Grindstones, not mounted, and not less than 36 inches in diameter..... | | 641,389 | | 791,412 |
| Grindstones, n.o.p..... | | 19,983 | | 36,838 |
| Pumice and pumice stone, lava and calcareous tufa, not further manufactured than ground..... | | 27,581 | | 32,005 |
| Sand paper, glass, flint and emery paper or emery cloth..... | | 305,042 | | 344,987 |
| Iron sand or globules for polishing and sawing..... | | 11,702 | | 17,464 |
| Burrstones in blocks, rough or unmanufactured, not bound up or prepared for binding into mill-stones.....No. | 5 | 584 | 3 | 450 |
| Total | | 2,306,122 | | 2,774,123 |
| EXPORTS— | | | | |
| Grindstones, manufactured..... | | 61,429 | | 75,374 |
| Stone for the manufacture of grindstones..... tons | 93 | 794 | | |
| Abrasives— | | | | |
| Natural, n.o.p.....cwt. | 464 | 464 | 860 | 860 |
| Artificial, crude, including carborundum.....cwt. | 955,184 | 2,978,539 | 1,055,592 | 2,908,320 |
| Artificial, made up into wheels, stones, etc..... | | 32,030 | | 45,802 |
| Total | | 3,073,356 | | 3,030,356 |

PRIMARY PRODUCTION OF GYPSUM.—(From the annual report on the *Mineral Production of Canada, 1926.*)—Continuing the advance in gypsum production recorded in 1925, the shipments during 1926 created a new high mark for the industry in Canada. Increases in tonnage shipped were reported in all producing provinces except New Brunswick. The total production for the year amounted to 883,728 tons worth \$2,770,813 as compared with 740,323 tons at \$2,389,891 produced in 1925. The average values received by the operators were as follows: lump, \$1.49; crushed, \$1.73; fine ground, \$6.13; and calcined, \$10.07 per ton.

Importations of gypsum, all grades into Canada were recorded at 6,298 tons worth \$119,141 as against 8,921 tons with a valuation of \$136,308 imported in 1925.

Canadian crude gypsum exported, principally, to the United States amounted to 668,064 tons in 1926. Ground gypsum and prepared wall plaster exported during the year totalled 10,062 tons. United States, Newfoundland, Australia and New Zealand were the principal importers of these materials.

Table 188.—Production of Gypsum in Canada, 1925 and 1926

| | 1925 | | 1926 | |
|------------------------------|----------------|------------------|----------------|------------------|
| | Tons | Value | Tons | Value |
| CRUDE— | | \$ | | \$ |
| Lump or mine run..... | 131,612 | 198,806 | 151,906 | 225,794 |
| Crushed..... | 447,766 | 820,141 | 576,489 | 1,002,874 |
| Fine ground..... | 5,993 | 35,843 | 5,874 | 36,848 |
| CALCINED GYPSUM | 154,852 | 1,335,101 | 149,459 | 1,505,672 |
| Total | 740,323 | 2,389,891 | 883,728 | 2,770,313 |

Table 189.—Imports into Canada and Exports of Gypsum, 1925 and 1926

| | 1925 | | 1926 | |
|-----------------------------------------------------------|----------------|----------------|----------------|------------------|
| | Tons | Value | Tons | Value |
| IMPORTS— | | \$ | | \$ |
| Gypsum, crude (sulphate of lime)..... | 4,433 | 66,064 | 933 | 32,442 |
| Plaster of Paris or gypsum ground, not calcined..... | 119 | 3,858 | 209 | 6,844 |
| Plaster of Paris, calcined and prepared wall plaster..... | 4,369 | 60,386 | 5,156 | 79,854 |
| Total | 8,921 | 136,308 | 6,298 | 119,141 |
| EXPORTS— | | | | |
| Gypsum or plaster, crude..... | 533,646 | 861,468 | 668,064 | 1,069,135 |
| Plaster of Paris ground, and prepared wall plaster..... | 5,043 | 87,242 | 10,062 | 137,785 |
| Total | 539,289 | 948,710 | 678,126 | 1,206,920 |

PRIMARY PRODUCTION OF GRAPHITE.—(From the annual report on the *Mineral Production of Canada*, 1926.)—The increase in shipments of graphite noted during the first half of 1926 was continued in the last six months and the total for the year was reported at 2,727 tons worth \$194,860. In the preceding year 2,569 tons valued at \$158,763 were shipped. The Canadian producers during the year were: The Crucible Graphite Company, the Canadian Graphite Corporation, and the Black Donald Graphite Company, Ltd.

Exports of graphite, crude or refined, in 1926, according to Customs' records, totalled 2,564 tons appraised at \$180,851 as compared with 2,434 tons at \$135,897 exported in 1925.

The following information, regarding prices and markets, has been abstracted from the *Engineering and Mining Journal*:—

Prices—F.O.B. New York, per pound—

Ceylon lump, 8 to 9 cents: chip, 7 to 8 cents; dust, 3 to 6 cents; Madagascar flake, 6½ to 7 cents.

High-grade, finely ground, 12 cents up; medium grade, 8 cents up. No. 1 flake, 10 cents up; fine flake, 9 cents up. Foundry facings, 4 cents up. Amorphous, fine ground, 4 cents up; fine ground crystalline, 7 to 12 cents. Crude amorphous graphite, \$15 to \$35 per ton, according to grade.

In Ceylon the graphite industry has been declining; many mines have been closed down and others are marking time. The reason for this is the substitution of the electric furnace for the crucible both in steel and brass plants and also the use of larger amounts of Madagascar graphite and proportionally less Ceylon material in the manufacture of crucibles.

Madagascar and Ceylon continue to be the two chief sources outside of North America, although there are several countries where low-grade material is mined for local uses. The best examples of the minor regions are the Pinerolo district of north Italy and the nearby Briacón district of southern France. The product contains about 60 per cent carbon and is used mainly for foundry facings.

Table 190.—Production, Imports and Exports of Graphite, 1925 and 1926

| | 1925 | | 1926 | |
|----------------------------------------------------|-------|---------|-------|---------|
| | Tons | Value | Tons | Value |
| | | \$ | | \$ |
| PRODUCTION..... | 2,569 | 158,763 | 2,727 | 194,860 |
| IMPORTS— | | | | |
| Crucibles, plumbago..... | | 49,730 | | 60,782 |
| Plumbago not ground or otherwise manufactured..... | | 772 | | 3,836 |
| Plumbago ground and manufactures of, n.o.p..... | | 91,767 | | 57,302 |
| EXPORTS— | | | | |
| Graphite or plumbago, crude or refined..... | 2,484 | 135,897 | 2,564 | 180,851 |

PRIMARY PRODUCTION OF MICA.—(From the annual report on the *Mineral Production of Canada, 1926*.)—Production of Mica in Canada during 1926 totalled 2,544 tons valued at \$229,204, as against 4,020 tons worth \$261,463 produced in 1925. Customs' records for the year under review showed exports of rough-cobbed mica amounting to 44 tons appraised at \$20,516; splittings, 315 tons at \$432,345; and scrap and waste, 3,799 tons at \$45,297.

Table 191.—Production of Mica in Canada, 1925 and 1926

| Grade | 1925 | | | 1926 | | |
|--------------------|------------------|-----------------------------|-----------------|------------------|-----------------------------|-----------------|
| | Quantity | Value f.o.b. shipping point | Price per pound | Quantity | Value f.o.b. shipping point | Price per pound |
| | lb. | \$ | \$ | lb. | \$ | \$ |
| Rough-cobbed..... | 413,500 | 23,471 | 0-056 | 109,890 | 11,724 | 0-106 |
| Thumb-trimmed..... | 357,943 | 73,443 | 0-238 | 322,639 | 64,958 | 0-020 |
| Splittings..... | 188,265 | 129,454 | 0-69 | 180,603 | 120,503 | 0-667 |
| Scrap..... | 7,080,331 | 35,095 | 0-005 | 4,470,405 | 32,019 | 0-007 |
| Total..... | 8,040,039 | 261,463 | 0-036 | 5,089,527 | 229,204 | 0-004 |

Table 192.—Exports of Mica from Canada, 1925 and 1926

| | 1925 | | 1926 | |
|--------------------------------------------------|-------|----------------|-------|----------------|
| | Tons | Value | Tons | Value |
| | | \$ | | \$ |
| Rough-cobbed and thumb-trimmed..... | 29 | 21,366 | 44 | 20,516 |
| Mica splittings..... | 230 | 324,967 | 315 | 432,345 |
| Mica, scrap and waste..... | 4,991 | 63,931 | 3,799 | 45,297 |
| Mica, plate and manufacturers of (micanite)..... | | 1,046 | | 1,084 |
| Total..... | | 411,310 | | 499,242 |

**DIRECTORY OF FIRMS IN THE INDUSTRIES CLASSIFIED UNDER THE
MANUFACTURES OF NON-METALLIC MINERAL PRODUCTS**

Aerated Waters

| Name | Address | Location |
|------------------------------------|-------------------------------------------------|------------------------------|
| PRINCE EDWARD ISLAND— | | |
| Morris, J. & T. | 75 Water St., Charlottetown. | Charlottetown. |
| Simmons, G. H. | Spring Pk. Rd., Charlottetown. | Charlottetown. |
| NOVA SCOTIA— | | |
| Acadia Beverage Co. | Margaretville. | Margaretville. |
| Antigonish Aerated Waters. | Main St., Antigonish. | Antigonish. |
| Bishop Beverage Co. | 50 Church St., Amherst. | Amherst. |
| Bridgewater Bottling Works. | Box 366, Bridgewater. | Bridgewater. |
| Chambers, James. | Main St., Trenton. | Trenton. |
| Clare Beverage Co., Ltd. | Metaghun River. | Metaghun River. |
| Crystal Spring Mfg. Co. | 294 Agricola St., Halifax. | Halifax. |
| Duveno, Alfred N. | 184 Argyle St., Halifax. | Halifax. |
| Donovan, W. H. | 44-45 Granville St., Halifax. | Halifax. |
| Fenton & Hay. | 80 Gerrick St., Halifax. | Halifax. |
| Fraser, James E. | Springhill. | Springhill. |
| Home Bottling Co., Ltd. | Drawer 814, Commercial St., North Sydney. | North Sydney. |
| Kempton, T. S. | Milton. | Milton. |
| Lavern, John J. | 15 Bilby St., Halifax. | Halifax. |
| McKinley & Sons. | McKay's Corners, C.B. | McKay's Corners, C.B. |
| Meteghan Fruit Supply Co. | Meteghan Station. | Meteghan Station. |
| New Glasgow Mineral Springs. | New Glasgow. | New Glasgow. |
| North Sydney Bottling Works, Ltd. | Regent St., North Sydney. | North Sydney. |
| Orange Crush Co. of Truro, Ltd. | Truro. | Truro. |
| Pink, Joseph. | Main St., Yarmouth. | Yarmouth. |
| Sterling Beverage Co. | Collins St., Yarmouth. | Yarmouth. |
| Whelan & Ferguson, Ltd. | 675-677 Barrington St., Halifax. | Halifax. |
| Yarmouth Fruit Co. | Brown St., Yarmouth. | Yarmouth. |
| NEW BRUNSWICK— | | |
| Bathurst Ginger Ale Works, Ltd. | Bathurst. | Bathurst. |
| Blue Ribbon Beverage Co. | 80-82 Elm St., St. John. | St. John. |
| Bosca & Burgalia. | Box 281 Bathurst. | Bathurst. |
| Campbellton Ginger Ale Works. | Campbellton. | Campbellton. |
| Capital Bottling Co. | 313 Queen St., Fredericton. | Fredricton. |
| Cussidy, Charles. | Chatham. | Chatham. |
| Crown Beverages, Ltd. | 562 Main St., St. John. | St. John. |
| Dolan Bros. | 348 Haymarket Sq., St. John. | St. John. |
| Driscoll, John J. | 124 Prince Edward St., St. John. | St. John. |
| Dubé, Arsène. | Campbellton. | Campbellton. |
| Gallivan, Edward. | Chatham. | Chatham. |
| Havelock, Mineral Spring Co., Ltd. | 240 Botsford St., Moncton. | Moncton. |
| Holzoki, R. E. | Queen St., Woodstock. | Woodstock. |
| International Drug Co., The. | King St., St. Stephen. | St. Stephen. |
| Moncton Bottling Works. | 7432 Main St., Moncton. | Moncton. |
| Shediac Beverage Co. | Shediac. | Shediac. |
| Smith, Frank C. | St. Leonard Station. | St. Leonard Stat. |
| Sussex Beverage Co. | Court St., Sussex. | Sussex. |
| Sussex Mineral Springs Co., Ltd. | Pleasant Ave., Sussex. | Sussex. |
| Terris, J. J. | 51 City Rd., St. John. | St. John. |
| Vital, H. Albert. | Church St., Edmundston. | Edmundston. |
| QUÉBEC— | | |
| Allan's Ltd. | 86 Dorchester St. west, Montreal. | Montreal. |
| Allegany's Spring Co. | 1738 St. Jacques St., Montreal. | Montreal. |
| Archambault & Frère. | Bout de l'Isle, Montreal. | Bout de l'Isle, Montreal. |
| Beulhieu, I. & Co. | 5309 Carrère St., Montreal. | Montreal. |
| Beaumont & Frère. | Rue Rousseau, Montmagny. | Montmagny. |
| Bédard, François. | St. John's. | St. John's. |
| Bégin, Alex. | 17 First Ave., Coteneu St. Louis, Three Rivers. | Three Rivers. |
| Bélanger, Arthur. | Papineauville. | Papineauville. |
| Blackburn, Henry. | 80 Papineau St., Hull. | Hull. |
| Brisette, J. L. | 17 rue St. Antoine, Ste. Agathe des Monts. | Ste. Agathe des Monts. |
| Brodour, Arthur. | 10 rue du Havre, Montreal. | Montreal. |
| Brunelle & Métivier. | 87 St. Jean Baptiste St., Victoriaville. | Victoriaville. |
| Caisse, C. O. | 151 rue du Roi, Sorel. | Sorel. |
| Caledonia Springs Co., Ltd. | 6380 St. Urbain, Montreal. | Montreal. |
| Chorrio Bottling Works. | 1518 Papineau St., Montreal. | Montreal. |
| Chevalier & Larose. | 60 Mercier St., Shawinigan Falls. | Shawinigan Falls. |
| Christin, J. & Cie., Ltd. | 21 Ste. Julie St., Montreal. | Montreal. |
| Coca-Cola Co. | 90 Broadview Ave., Toronto, Ont. | 35 Vallée St., Montreal. |
| Coca-Cola Co., The. | 90 Broadview Ave., Toronto, Ont. | 15 des Prairies St., Quebec. |
| Côté, Roch. | Pierreville. | Pierreville. |

Aerated Waters—Continued

| Name | Address | Location |
|---------------------------------------------|--------------------------------------|-----------------------------|
| QUEBEC—Concluded | | |
| Coulombe, Olex | 50-56 rue Morin, Quebec | Quebec. |
| Crystal Soda Water Co. | 1259 St. Dominique St. E., Montreal. | Montreal. |
| Crystal Spring Bottling Works, The. | Waterloo | Waterloo. |
| De La Boissière | Box 325, Roberval. | Roberval. |
| Desjardins, Léon. | Ste. Thérèse de Blainville. | Ste. Thérèse de Blainville. |
| Désormeaux & Frères. | 6 Richard St., Joliette, Box 100. | Joliette. |
| Désormeaux, S. | 262 Devillemer St., St. Jérôme. | St. Jérôme. |
| Dominior Soda Water Co., Ltd. | 1614 Cadieux St., Montreal. | Montreal. |
| Dorville, Hurvey. | Murray Bay | Murray Bay. |
| Dufresne & Frère. | 129 Bonaventure St., Three Rivers. | Three Rivers. |
| Ferland, J. H. | 23 rue St. Laurent, Valleyfield. | Valleyfield. |
| Fluet, F. A. | 65 Des Prairies, Quebec. | Quebec. |
| Fontaine, Emile | La Tuque | La Tuque. |
| Forand, Horimidas | Eastern Ave., Waterloo. | Waterloo. |
| Fortier, Elzear, Ltée. | 123 St. Dominique, Quebec. | Quebec. |
| Fortier, J. E. | 10 rue Niverville, Three Rivers. | Three Rivers. |
| Frisco Soda Water Co. | 4308 Clarke St., Montreal. | Montreal. |
| Gagnon, I. J. | Beauce Junction. | Beauce Junction. |
| Gaudreault, H. J. | Bagotville | Bagotville. |
| Girouard, Ltd. | 77 Quésnel St., Montreal. | Montreal. |
| Goulet, Clixite | 2035 Goulet ave., Montreal. | Montreal. |
| Grenier, Arthur | St. George, Beauce | St. George, Beauce. |
| Gurd, Chas. & Co., Ltd. | 1016 Bleury St., Montreal. | Montreal. |
| Haines Ltd. | 1229 Panet St., Montreal. | Montreal. |
| Hamel & Fils. | La Sarre | La Sarre. |
| Ideal Soda Water Co., Ltd. | 4150a Parthenais St., Montreal. | Montreal. |
| Janelle, J. E. & Co. | Richmond. | Richmond. |
| Kel-Ola Co. Regd. | 4266 Châteaubriand Ave., Montreal. | Montreal. |
| Lachapelle, Pierre | St. Barthélemi | St. Barthélemi. |
| La Cie d'Eau Minérale | 148 Concorde St., St. Hyacinthe. | St. Hyacinthe. |
| Lafontaine, Armand. | Yamachiche | Yamachiche. |
| Lafontaine & Fils. | 4530 Laval St., Montreal. | Montreal. |
| Lafontaine, Donat. | St. Laurent, Louiseville. | Louiseville. |
| Laframboise, Victor. | St. Clet | St. Clet. |
| Lafrance, Noël. | 3 St. Germain St., St. Hyacinthe. | St. Hyacinthe. |
| Lancuault & Frère. | Box 294, Sorel | Sorel. |
| Laniel, Théophile | Ellice St., Valleyfield. | Valleyfield. |
| Lauonette, Albert. | Ville-Marie | Ville-Marie. |
| La Victoire, Mofse | Rigaud | Rigaud. |
| Leclerc & Houde | Jonquières | Jonquières. |
| Leclerc, Joseph. | St. Evariste Station. | St. Evariste Station. |
| Leoux, Leopold. | Vaudreuil | Vaudreuil. |
| Levasseur, Victor. | 76-1 rue, Shawinigan Falls. | Shawinigan Falls. |
| Lévesque, Jos. | Cabana | Cabana. |
| MacKimmie, J. P. & Son. | Foundry St., Lachute | Lachute. |
| Maple Leaf Mineral Waters Reg. | 165 rue De la Couronne, Quebec. | Quebec. |
| Massicotte, J. E. | St. Tite | St. Tite. |
| Ménard, Edouard. | Box 104, St. Jean | St. Jean. |
| Milloy, P. A. | 1027-1029 St. André, Montreal. | Montreal. |
| Monfette, J. B. | Asbestos | Asbestos. |
| Morrisette, Adélar. | 25 rue Baby, Joliette | Joliette. |
| Nationa Bottling Works. | 1434 Clarke St., Montreal. | Montreal. |
| Ornago Crush Bottling Co., Ltd. | 110 Chremont ave., Toronto, Ont. | 6540 Park ave., Montreal. |
| Parent, Léonard. | Sorel | Sorel. |
| Parquet, Wilfrid. | 397 St. Catherine, Grand'Mère. | Grand'Mère. |
| Pellier, Albert. | Rue de l'église, St. Barnabé-Nord. | St. Barnabé-Nord. |
| Pelletier, Z. | St. Jérôme, Box 182. | St. Jérôme. |
| Péloquin, J. H. & Cie. | Coaticook | Coaticook. |
| Poulin, P. | Rouyn | Rouyn. |
| Pye, M. | Windsor Mills. | Windsor Mills.. |
| Regal Bottling Works. | La Prairie. | La Prairie. |
| Reina Mineral Water Co., Ltd. | 101 Duvernay St., Montreal. | Montreal. |
| Rivard, Alfred. | Garthby Station | Garthby. |
| Robillard & Cie, Ltée. | 9 Robillard Ave., Montreal. | Montreal. |
| Roy, Cyprien. | St. Germain de Kamouraska | St. Germain de Kamouraska. |
| Sherbrooke Bottling Works | Sherbrooke. | Sherbrooke. |
| Silver Spring Bottling Works | 65 Dépôt St., Sherbrooke. | Sherbrooke. |
| Simon's Ginger Ale & Soda Water Works Regd. | 11 Rivard St., Montreal. | Montreal. |
| Soda Water Works Regd. | 11 Rivard St., Montreal. | Montreal. |
| Stewart Bottling Co., Ltd. | 207 William St., Montreal. | Montreal. |
| Théberge and Langlois. | Armagh. | Armagh. |
| Thibault, J. A. | 24-26 rue Fraser, Rivière-du-Loup. | Rivière-du-Loup. |
| Timmons, M. & Son. | 92 Côte d'Abraham, Quebec. | Quebec. |
| Tourangeau & Champagne. | Buckingham | Buckingham. |
| Trotter & Cie. | St. Casimir. | St. Casimir. |
| Turnell, A. Ireneo | 272 Wellington St., Sherbrooke. | Sherbrooke. |
| Union Soda Water Co. | 1462 Cadieux St., W., Montreal. | Montreal. |
| Veillet D. & Co. | Ste. Geneviève de Batiscan. | Ste. Geneviève de Batiscan. |
| Whistle Co. of Eastern Canada | 750 St. Paul St., W., Montreal. | Montreal. |
| White, The Robt. Co., Ltd. | 638 Craig St. E., Montreal. | Montreal. |

Aerated Waters—Continued

| Name | Address | Location |
|-----------------------------------|--------------------------------------|---------------------------------|
| ONTARIO— | | |
| A. E. B. Beverage Co. | 17-21 Colborne St., Brantford | Brantford. |
| Algoma Bottling Works | 146 S. Algoma St., Port Arthur | Port Arthur. |
| Barker Bros. | 65 McGill St., Smith Falls | Smith Falls. |
| Best & Bennett, Ltd. | 1749 King St., Hamilton | Hamilton. |
| Boon & Nowell | Rear 509 Concord Ave., Toronto | Toronto. |
| Bottum, W. H. & Sons | 354 Pinnacle St., Belleville | Belleville. |
| Brant Soda Water Co. | Brantford | Brantford. |
| Brighton Bottling Works | Main St., Brighton | Brighton. |
| British Bottling Co. | 201 Besserer St., Ottawa | Ottawa. |
| Brown, John D. | 5 Bay St., Gravenhurst | Gravenhurst. |
| Burke Mineral Water Co. | 55 Water St., Brantford | Brantford. |
| Burkholder, D. C. | Sharpe St., New Liskeard | New Liskeard. |
| Caledonia Springs Co. | 2716 St. Urban St., Montreal, Quebec | Caledonia Springs. |
| Canadian Beverages Ltd. | 31 Terauley St., Toronto | Toronto. |
| Canadian Soda Water Mfg. Co. | 233 St. Catherine St. N., Hamilton | Hamilton. |
| Carrigan, Charles | 58 Riddell St., Woodstock | Woodstock. |
| Chambers, F. S. | Killary St., Humberstone | Humberstone. |
| Clurian, Jus. | South Porcupine | South Porcupine. |
| Cobalt Aerated Water Co. | 46 Presley St., Cobalt | Cobalt. |
| Cobourg Bottling Works | Cobourg | Cobourg. |
| Coca-Cola Co. | 90 Broadview Ave., Toronto | 118 Secord St., Port Arthur. |
| Coca-Cola Co. | 90 Broadview Ave., Toronto | 65-67 Bellwoods Ave., Toronto. |
| Coca-Cola Co. | 90 Broadview Ave., Toronto | 327-329 Church St., Belleville. |
| Coca-Cola Co. | 90 Broadview Ave., Toronto | 338 Queen St., Ottawa. |
| Coca-Cola Co. | 90 Broadview Ave., Toronto | 55 Vine St., Hamilton. |
| Coca-Cola Co. | 90 Broadview Ave., Toronto | 430 McDougal St., Windsor. |
| Coca-Cola Co. | 90 Broadview Ave., Toronto | 66 Rideau St., Kingston. |
| Coca-Cola Co. | 90 Broadview Ave., Toronto | 649 Colborne St., London. |
| Coca-Cola Co. | 90 Broadview Ave., Toronto | 190 George St., Peterborough. |
| Hambly's Carbonated Beverage | 42 Blvd., Oshawa | Oshawa. |
| Cochrane Bottling Works | P.O. Box 239, Cochrane | Cochrane. |
| Collingwood Ginger-Ale Works | Box 1046 Robinson St., Collingwood | Collingwood. |
| Colonial Bottling Works | 23 Kent St., Simcoe | Simcoe. |
| Conlin, F. | 63 McGill St., Smith Falls | Smiths Falls. |
| Cooke, Thos. & Son | Box 251, Port Perry | Port Perry. |
| Cornwall Bottling Works | Amelia St., Cornwall | Cornwall. |
| Crescent Bottling Works | 847 St. Clair Ave., Niagara Falls | Niagara Falls. |
| Crommeller, John H. | 76 Fraser St., Port Colborne | Port Colborne. |
| Crown Bottling Works | Port Hope | Port Hope. |
| Cunningham, D. K. | Elgin St., Arnprior | Arnprior. |
| Denaui, Ferrier | Bourget | Bourget. |
| Duy, Henry B. | 32 McAnnary St., Belleville | Belleville. |
| Dominion Soda Water Co. | 165 Manning Ave., Toronto | Toronto. |
| Dominion Soda Water Co. | 58 Rodman St., St. Catharines | St. Catharines. |
| Dominion Soda Water Mfg. Co. | 308 St. John St. W., Hamilton | Hamilton. |
| Dunfield, Samuel | Bridge St. Carleton Place | Carleton Place. |
| Empire Bottling Works | Espanola | Espanola. |
| Essex Soda Water Works | Thibot St., Essex | Essex. |
| Finnish Bottling Works | 326 Bloor St., Sault Ste. Marie | Sault Ste. Marie. |
| Ford City Bottling Works | 223 Drouillard Road, Ford | Ford. |
| Fort William Bottling Works | 131 N. Arelabald St., Fort William | Fort William. |
| Gauvreau, A. | Mattawa | Mattawa. |
| Goderich Mineral Water Co. | West St., Goderich | Goderich. |
| Grady, Patrick J. | 583 Water St., Peterboro. | Peterboro. |
| Gray, W. J. | Collingwood | Collingwood. |
| Haileybury Bottling Works | Box 100, Haileybury | Haileybury. |
| Hanlon & Hicks | 905 Tecumseh Road, Windsor | Windsor. |
| Harris, Geo. & Paparoni | 10 Park St., Welland | Welland. |
| Heller & Witts | 223 Drouillard Rd., Ford | Ford. |
| Hinds, F. P. & Son | 20 Front St. S., Orillia | Orillia. |
| Hinds, Matthew C. | 308 King St., Midland | Midland. |
| Hires, Charles E. Co., Ltd. | 47 Davies Ave., Toronto | Toronto. |
| Hoag, Smith A. | 1730 Ferry St., Niagara Falls | Niagara Falls. |
| Hoon's Bottling Works | 43 Park St., Chatham | Chatham. |
| Horne, S. V. | 148 Ontario St., Kingston | Kingston. |
| Horsman, Chas. L. | Palleser St., Campbellford | Campbellford. |
| Ideal Bottling Works | 266 Mitchell St., Port Colborne | Port Colborne. |
| Ingersoll Bottling Works | King St. E., Ingersoll | Ingersoll. |
| International Bottling Works | 157 Machur Ave., Port Arthur | Port Arthur. |
| International Bottling Works, The | North Cobalt | North Cobalt. |
| Jersey Crème Co. | 5-9 Van Horne St., Toronto | Toronto. |
| Kenora Bottling Works | Box 385, Kenora | Kenora. |
| King & Dutton | 103 Duchess St., Toronto | Toronto. |
| Kingston Bottling Works | 266 Princess St., Toronto | Toronto. |
| Kitchener Carbonating Co. | 1003 King St. E., Kitchener | Kitchener. |
| Kolsotow, I. | Kirkland Lake | Kirkland Lake. |
| Lallamie Bottling Works, Ltd. | Box 239, Cochrane | Cochrane. |
| Lake Shore Bottling Works | 64 Clark St., Leamington | Leamington. |
| La-Kola Co. | 22 Macaulay St., Hamilton | Hamilton. |
| Lane, J. S. | Water St., Prescott | Prescott. |

Aerated Waters—Continued

| Name | Address | Location |
|----------------------------------------|----------------------------------------|----------------------------------|
| ONTARIO—Concluded | | |
| Lankin, A. C. & Co. | 774 Wright St., Toronto | Toronto. |
| Leduc, Chas. A. | 39-41 Vaughan St., Ottawa | Ottawa. |
| Leslie, A. | 8 Queen St., Barrie | Barrie. |
| Lindsay Soda Water Works | 97 King St., Lindsay | Lindsay. |
| Mack Mineral Springs Co. | 111 Welland Ave., St. Catharines | St. Catharines. |
| Maple Leaf Bottling Works | Leaon LeBlanc, Timmins | Timmins. |
| McDonald & Son | North Bay | North Bay. |
| McLaughlin, J. J., Ltd. | 145-155 Sherbourne St., Toronto | Toronto. |
| Murray Bottling Works | 139 Market Sq., Windsor | Windsor. |
| New Ontario Bottling Works, Ltd. | 178 Minto St., Sudbury | Sudbury. |
| Niagara Falls Bottling Works | 1043 Centre St., Niagara Falls | Niagara Falls. |
| Nipigon Bottling Works | Box 35, Nipigon | Nipigon. |
| Northern Springs | Ridgeway | Ridgeway. |
| Oakville Aerated Beverage Co. | Kerr & Colbourne Sts., Oakville | Oakville. |
| O'Dair Beverages | Corwall | Corwall. |
| Ontario Soda Water Mfg. Co. | 19 Park St., Welland | Welland. |
| Ontario Soda Water Mfg. Co. | 229 Manning Ave., Toronto | Toronto. |
| Orange Crush Bottlers, Ltd. | 100 Claremont St., Toronto | 982 Princess St., London |
| Orange Crush Bottling Co. | 100 Claremont St., Toronto | 255 Rideau St., Ottawa. |
| Orange Crush Bottlers | 100 Claremont St., Toronto | Toronto. |
| Orange Crush Bottlers, Ltd. | 100 Claremont St., Toronto | Toronto. |
| Orange Crush Bottlers, Ltd. | 109 Claremont St., Toronto | 217 Cannon St. E., Hamilton. |
| Orange Juice (Toronto), Ltd. | 157 Danforth Ave., Toronto | Toronto. |
| Orange Smash Bottling Works | 61 Birch St. N., Timmins | Timmins. |
| Orange Dandy Co., Ltd. | 183 Elm St., Toronto | Toronto. |
| Orangeville Bottling Works | Mill St., Orangeville | Orangeville. |
| Parisian Refreshment Co. | 15 Sandwich St., Sandwich | Sandwich. |
| Penetang Bottling Co. | 22 Robert St., Penetanguishene | Penetanguishene. |
| Perth Bottling Works | Perth | Perth. |
| Peterborough Bottling Works | 384 Queen St., Peterborough | Peterborough. |
| Pure Springs Co. | 102 Baldwin St., Ottawa | Ottawa. |
| Reid, Henry W. | Purry Sound | Purry Sound. |
| Reidrew Bottling Works | Reidrew | Reidrew. |
| Riverdale Bottling Works | 34 Eaton Ave., Toronto | Toronto. |
| Robertson, Alex. | Homewood Ave., Mount Forest | Mount Forest. |
| Rosenberg, H. | 31 Vine St., St. Catharines | St. Catharines. |
| Royal Bottling Works, The | 130 First St., Fort Frances | Fort Frances. |
| Royal City Mineral Water Works | 239 Dundas Road, Guelph | Guelph. |
| Sanitaris Limited | Corner John and William Sts., Arnprior | Arnprior. |
| Sarnia Soda Water Works, Ltd. | 118 Victoria St., Sarnia | Sarnia. |
| Seal Bottling Works | 820 Mercer St., Windsor | Windsor. |
| Sharpe & Kirkpatrick | 118 Victoria St., Sarnia | Sarnia. |
| Sioux Lookout Bottling Works | Sioux Lookout | Sioux Lookout. |
| Sleeman, Geo. | 186 Edinboro Road, Guelph | Guelph. |
| Snele Syrup Co. of Ontario, Ltd. | 29-31 Ternuley St., Toronto | Toronto. |
| Snyder's Bottling Co. | Kitchener | Kitchener. |
| Spring Water Bottling Works | 1730 Ferry St., Niagara Falls | Niagara Falls. |
| Star Beverage Co., The | 11 Federal St., Toronto | Toronto. |
| Star Bottling Works | 256 Regent St., Sudbury | Sudbury. |
| Stinson, E. H. & Co. | St. Paul St., Alexandria | Alexandria. |
| St. Kitts Bottling Works | 29 Vine St., St. Catharines | St. Catharines. |
| St. Kitts Bottling Works | 34 Eaton Ave., Toronto | Toronto. |
| Stratford Soda Water Works | 235 William St., Stratford | Stratford. |
| Stratton & Monger | Wallaceburg | Wallaceburg. |
| Sugarman's Ginger Ale | 51 Adelaide, London | London. |
| Sutherland Limited | 12 and 14 Jarvis St., Hamilton | Hamilton. |
| Tally-Ho Pure Water Co. | 610 Couper St., Ottawa | Ottawa. |
| Taylor, Wm. & Son, Ltd. | 957 Fourth Ave. E., Owen Sound | Owen Sound. |
| Thomas Bros. of Galt, Ltd. | 45 Dickson St., Galt | Galt. |
| Thompson, George | 294 Princess St., Kingston | Kingston. |
| Thompson & Wilson | Box 391, Georgetown | Georgetown. |
| 1000 Islands Mineral Water Co. | 58 Brock St., Brockville | Brockville. |
| Timmins Bottling Works | Timmins | Timmins. |
| Tine's Co., Ltd. | 640 Colborne St., London | London. |
| Twin City Bottling Works | 819 Minnesota St., Ft. William | Ft. William. |
| Union Soda Water Co., Ltd. | 30 St. Patrick St., Toronto | Toronto. |
| United Bottlers Limited | 270 William St., London | London. |
| Vitality Aerated Water Co. | Petawawa | Petawawa. |
| Walker & Co. | Church St., Orangeville | Orangeville. |
| Wallaceburg Bottling Works | Box 376, Wallaceburg | Wallaceburg. |
| Walsh, G. R. | Box 296, Barrie | Barrie. |
| Wentworth Mineral Water Co., Ltd., The | Rear 542 Main St. E., Hamilton | Hamilton. |
| Whistle Bottling Works | Sarnia | Sarnia. |
| Whistle Co. of Eastern Canada, Ltd. | 132 Pears Ave., Toronto | Toronto. |
| Wilson Charles, Limited | 517-519 Sherbourne St., Toronto | Toronto. |
| Wilson, Edward | cor. Regent & Front Sts., Thorold | Thorold. |
| Wise, C. W. | 66 Avon St., Welland | Welland. |
| Wright & Biggar | 819 Arthur St., Windsor | Windsor. |
| MANITOBA— | | |
| Arctic Drink Mfg. Co. | 882 Selkirk Ave., Winnipeg | Winnipeg. |
| Bell Bottling Co. | 1087 Selkirk Ave., Winnipeg | Winnipeg. |
| Bennet, H. E. | The Pas | The Pas. |
| Coca-Cola Co. | 90 Broadview Ave., Toronto, Ont. | Bannatyne & Dagmar, Winnipeg. |

Aerated Waters—Concluded

| Name | Address | Location |
|---------------------------------------|-------------------------------------|------------------------------------|
| MANITOBA—Concluded | | |
| Coca-Cola Co. | 90 Broadview Ave., Toronto, Ont. | 20-12th St., Brandon. |
| Bell Bottling Works | Dauphin | Dauphin. |
| Douglas & King, Ltd. | 47 Higgins Ave., Winnipeg. | Winnipeg. |
| Orange Crush Bottling Co. | 100 Claremont St., Toronto, Ont. | 191 Fort St., Winnipeg. |
| Orange Crush Co. | 100 Claremont St., Toronto, Ont. | 120-124 Ninth St., Brandon. |
| Portage Soda Water Works | 60 Tupper St., Portage la Prairie. | Portage la Prairie. |
| Whistle Bottling Co. of Winnipeg | 251 Jarvis Ave., Winnipeg. | Winnipeg. |
| SASKATCHEWAN— | | |
| Chippewa Water Co. | Fifth St., Estevan. | Estevan. |
| Coca-Cola Co. | 90 Broadview Ave., Toronto, Ont. | 265 Third Ave. N., Saskatoon. |
| Coca-Cola Co. | 90 Broadview Ave., Toronto, Ont. | 1736 Cornwall St., Regina. |
| Currie & Hassett | 415 Ave. "B" Saskatoon. | Saskatoon. |
| Gold Seal Limited | Cor. Ave. C and 19 St. Saskatoon. | Saskatoon. |
| Jeffs Products, Ltd. | Cor. Albert & Dewdney Sts., Regina. | Regina. |
| Jitney Pop, The | 78-80 Betts Ave., Yorkton. | Yorkton. |
| Orange Crush Co. | 100 Claremont St., Toronto, Ont. | 311 ave 'B', S., Saska- toon. |
| Pachal Bottling Works | Agricultural Ave., Yorkton. | Yorkton. |
| Prince Albert Mineral Water Co., Ltd. | 1125—3rd Ave. W., Prince Albert. | Prince Albert. |
| Regina Bottlers, Ltd. | 1205—11th Ave., Regina. | Regina. |
| Standard Mineral Water Works | 1371 George Sts., North Battleford. | North Battleford. |
| Swift Current Bottling Works | 401 Railway St. E., Swift Current. | Swift Current. |
| Thompson Bottling Co. | 561 Home St. W., Moose Jaw. | Moose Jaw. |
| Watt, G. & J. | 2023 Ottawa St., Regina. | Regina. |
| Weyburn Bottling Works | Box 514, Weyburn. | Weyburn. |
| ALBERTA— | | |
| Alberta Aerated Water | 124 Lansdowne St., Wetaskiwin. | Wetaskiwin. |
| Blue Label Bottling Co. | 508—3rd Ave. W., Calgary. | Calgary. |
| Dominion Bottling Works | 10172—94th St., Edmonton. | Edmonton. |
| Coca-Cola Co. | 90 Broadview Ave., Toronto, Ont. | 126-4th Ave., W., Cal- gary. |
| Coca-Cola Co. | 90 Broadview Ave., Toronto, Ont. | 10345—102nd St., Ed- monton. |
| Coca-Cola Co. | 90 Broadview Ave., Toronto, Ont. | 314-8th St. S., Leth- bridge. |
| McLaughlin, J. J. Ltd. | Sherbourne St., Toronto, Ont. | 9641—102a Ave., Ed- monton. |
| Orange Crush Bottling Co., Ltd. | 100 Claremont St., Toronto, Ont. | Fourth Ave. South, Cal- gary. |
| Orange Crush Bottling Co., Ltd. | 100 Claremont St., Toronto, Ont. | 10015—102nd Ave., Ed- monton. |
| Polar Aerated Water Works | 1301—11th Ave. E., Calgary. | Calgary. |
| Prairie Rose Mfg. Co. | 9539—106 Ave., Edmonton. | Edmonton. |
| Purity Bottling Works | 518—5th St. S., Lethbridge. | Lethbridge. |
| Quality Bottlers | 1294—4th Ave. S., Lethbridge. | Lethbridge. |
| Shamrock Bottling Works | Rear Assinobia Hotel, Medicine Hat. | Medicine Hat. |
| United Mfg. Co. | 514—11th Ave. W., Calgary. | Calgary. |
| BRITISH COLUMBIA— | | |
| Beaver Bottling Works | Box 577, Prince Rupert. | Prince Rupert. |
| Bowness Export Co., Ltd. | Van Horn, Cranbrook. | Cranbrook. |
| Coca-Cola Co. | 90 Broadview Ave., Toronto, Ont. | 898 Richard St., Van- couver. |
| Cross & Co., Ltd. | 38 Fourth Ave., E. Vancouver. | Vancouver. |
| Crystal Spring Water Supply | 1244 Richardson St., Victoria. | Victoria. |
| Fairall's Limited | 420-422 William St., Victoria. | Victoria. |
| Gassosa Co. Ltd. | Rossland Ave., Trail. | Trail. |
| Gold Star Bottling Works | Courtenay | Courtenay. |
| Harper, James | Columbia Ave., Rossland. | Rossland. |
| Henley, Joseph | 717 Princess St., New Westminster. | New Westminster. |
| Kamloops Bottling Works | 287 Victoria St., Kamloops. | Kamloops. |
| Kelowna Bottling Works | Box 69 Kelowna. | Kelowna. |
| Maclean Bottling Co. | Hull St., Nelson. | Nelson. |
| McCulloch, A. Co. | 201 Coldstream St., Vernon. | Vernon. |
| Nanaimo Bottling Works | Mill St., Nanaimo. | Nanaimo. |
| Old English Beverage Co. Ltd. | 2288 Codoro Bay Road, Victoria. | Victoria. |
| Orange Crush Bottling Co., Ltd. | 100 Claremont St., Toronto, Ont. | 1098 Mainland St., Van- couver. |
| Orange Crush Bottling Co. Ltd. | 100 Claremont St., Toronto, Ont. | Nelson. |
| Rumming, William E. | 199 Wallace St., Nanaimo. | Nanaimo. |
| Salmon Arm Aerated Water Co. | Box 40, Salmon Arm. | Salmon Arm. |
| Van Bros., Ltd. | 1955 Commercial Drive, Vancouver. | Vancouver. |

Asbestos and Allied Products

| Name | Address | Location |
|--------------------------------------------------------------|-----------------------------------|-------------------------|
| NOVA SCOTIA— Guilford and Sons..... | 649 Barrington St., Halifax..... | Halifax. |
| QUEBEC— Asbestos Co..... | East Broughton Station..... | East Broughton Station. |
| Asbestos Manufacturing Co., Ltd., The..... | 17 St. James St., Quebec..... | Lachine. |
| Atlas Asbestos Co., Ltd..... | 142 St. Peter St., Montreal..... | Montreal. |
| Canadian Johns-Manville Co., Ltd..... | Montreal..... | Asbestos. |
| ONTARIO— Canadian Raybestos Co., Ltd..... | Peterborough..... | Peterborough. |
| Garlock Packing Co..... | Palmyra, New York, U.S.A..... | Hamilton. |
| Hochmeister Lind Chemical Co..... | Pittsburg, Penn..... | Sarnia. |
| Sterne, G. F. & Sons..... | 124 Bruce St., Brantford..... | Brantford. |
| Turner, C. B..... | 894 Bathurst St., Toronto..... | Toronto. |
| Wild, A. C. & Co..... | 38 Hiron St., Toronto..... | Toronto. |
| MANITOBA— Magnesite Stucco Co. of Canada, Ltd..... | 417 Chalmer Ave., Winnipeg..... | Winnipeg. |
| BRITISH COLUMBIA— Baillie, Hugh..... | 144 Alexander St., Vancouver..... | Vancouver. |
| B. C. Magnesite Flooring Co..... | 3605 Union St., Vancouver..... | Vancouver. |
| Spicers Asbestos Ltd..... | 140—4th Ave., W. Vancouver..... | Vancouver. |

The Cement Industry

| | | |
|------------------------------------------------------------------|--------------------------------------------|-------------------------------|
| QUEBEC— Canada Cement Co. Ltd..... | Canada Cement Co. Bldg., Montreal.. | Hull, Montreal East. |
| La Cie de Ciment Unie., Ltd..... | 294 St. Catherine St. E., Montreal.. | St. Francois de Sales. |
| National Cement Co..... | 90 St. James St., Montreal..... | Montreal East. |
| ONTARIO— Canada Cement Co. Ltd..... | Canada Cement Co. Bldg., Montreal. P.Q. | Belleville. |
| St. Mary's Cement Co. Ltd..... | 49 Wellington St., E. Toronto..... | Port Colborne. St. Mary's. |
| MANITOBA— Canada Cement Co. Ltd..... | Canada Cement Co. Bldg., Montreal. P.Q. | Fort Whyte. |
| Commercial Cement Co. Ltd..... | 1002 McArthur Bldg., Winnipeg..... | Babcock. |
| ALBERTA— Canada Cement Co. Ltd..... | Canada Cement Co. Bldg., Montreal. P.Q. | Exshaw. |
| Marlboro Cement Co..... | 12123—105th Ave., Edmonton..... | Marlboro. |
| BRITISH COLUMBIA— British Columbia Cement Co. Ltd..... | 305 Belmont House, Victoria..... | Bamberton. |

Cement Products

| | | |
|--------------------------------------------|---------------------------------------------------|---------------------|
| NOVA SCOTIA— Clory Bros..... | Stellarton..... | Stellarton. |
| Kentville Concrete Products Co..... | Centreville, Kings..... | Kentville. |
| La Have Concrete Co., Ltd..... | West La Have..... | West La Have. |
| NEW BRUNSWICK— Hanson, E. B..... | Main St., St. Stephen..... | St. Stephen. |
| Hartland Cement Block Co..... | Hartland..... | Hartland. |
| Scott Concrete Works..... | York St., Fredericton..... | Fredericton. |
| QUEBEC— Archambault, L..... | St. Ours..... | St. Ours. |
| Bilodeau, Ign..... | 144 Ave. Renaud, Quebec..... | Quebec. |
| Canadian Benedict Stone Ltd..... | Haig Ave., Longue Pointe, Montreal.. | Montreal. |
| Castongay, Aldéric..... | Des Erables, Montreal..... | Montreal. |
| Cloutier, Adélar..... | Ste. Rose de Laval..... | Ste. Rose de Laval. |
| Daigle, T..... | 93 Galt St., Sherbrooke..... | Sherbrooke. |
| Destrosiers, A..... | 1075 Courtraf Ave., Montreal..... | Montreal. |
| Duchene, L..... | 500 Hamilton St., Ville Emard, Mon- treal..... | Montreal. |
| Dugas, Leslé..... | 163 Baby St., Montreal..... | Montreal. |
| Duntile Co. Ltd..... | 734 Can. Cement Bldg., Montreal..... | Montreal. |

Cement Products—Continued

| Name | Address | Location |
|-----------------------------------------------|-------------------------------------------|-----------------|
| QUEBEC—Concluded | | |
| Dutrisuc, Alfred..... | 133 Sir George Étienne Cartier, Montreal. | Montreal. |
| Faillé, G. A..... | 5131 Bourboamibre, Rosemont, Montreal. | Montreal. |
| Fournier, Frères Lté..... | 37 Victoria, Lachine. | Lachine. |
| Genest, Emile..... | Ste. Basile. | St. Basile. |
| Guilbault Frères & Cie Inc. | Ste. Elizabeth. | Ste. Elizabeth. |
| Giguère & Paiement..... | 828 Beaubien, St. Montreal. | Montreal. |
| Hoolaghan, J..... | 904 Old Orchard Ave., Montreal. | Montreal. |
| Jacques, Pierre..... | Rue St. Jacques, Grand'Mère. | Grand'Mère. |
| Lafontaine, C. E..... | St. Jérôme. | St. Jérôme. |
| La Cie du Produit Ciment..... | St. Jérôme. | St. Jérôme. |
| Larivière, Alex..... | 37 St. Rémi, St., St. Henri, Montreal. | Montreal. |
| La Société de Constructions Modernes..... | Chicoutimi. | Chicoutimi. |
| Leberling, Jean..... | 97 14eme rue Limoilou, Québec. | Québec. |
| McArthur Concrete Pile and Foundation Co..... | 10 Cathcart St., Montreal. | Montreal. |
| Melançon, J. T. H..... | Grand'Mère. | Grand'Mère. |
| Milard, L..... | 962 Des Carrières. | Montreal. |
| Monette, G..... | 3390 rue Notre-Dame E., Montreal. | Montreal. |
| Panetta, J. B. & Co..... | 5701 De Normanville, Montreal. | Montreal. |
| Pharand Construction Ltd..... | 2 York St., Montreal. | Montreal. |
| Pitt, Horace..... | 17 St. Charles St., Montreal. | Montreal. |
| Pizzagalli, Ferrazzo Co..... | 61 Baby St., Montreal. | Montreal. |
| Rainville, George..... | 96 St. Joseph, Farnham. | Farnham. |
| Raymond Cement Products Ltd..... | 120 St. James St., Montreal. | Montreal. |
| St. Louis, Nap..... | Ste. Ursule. | Ste. Ursule. |
| Taillefer, Ellie..... | St. Polycarpe. | St. Polycarpe. |
| Truhan & Cie..... | 5244—4th Ave., Rosemont, Montreal. | Montreal. |
| ONTARIO— | | |
| Artificial Stone..... | 55 Albert St., Thorold. | Thorold. |
| Andrews, S. J..... | Queen St., Clinton. | Clinton. |
| Anthiste, W. J..... | 309 Cromwell St., London. | London. |
| Art Granite Co..... | Box 311, Essex. | Essex. |
| Ashman, T. J..... | 520 Grosvenor St., London. | London. |
| Banks, John..... | 755 Queens Ave., London. | London. |
| Barber, F..... | 48 Kane Ave., Toronto. | Toronto. |
| Bartonville Rock Stone, Ltd..... | Bartonville. | Bartonville. |
| Bateman, Thomas..... | Leamington. | Leamington. |
| Bell & Mottala..... | 1757 Stanley St., Niagara Falls. | Niagara Falls. |
| Bierwagen, Bros..... | 88 Edward St., Kitchener. | Kitchener. |
| Bodini, C. J..... | 37 Bowie Ave., Fairbank. | Fairbank. |
| Border Builders Supply Co., Ltd..... | 1436 Howard Ave., Windsor. | Windsor. |
| Bosman, I. H..... | Bluevale. | Bluevale. |
| Bowman's Builders Supplies..... | East Main St., Welland. | Welland. |
| Boyd Bros..... | Osgoode. | Osgoode. |
| Bridgen, Wm..... | Port Elgin. | Port Elgin. |
| Brown, A. E..... | 216 Oak St., Sudbury. | Sudbury. |
| Brown, D. L..... | 197 Cedar St., Sudbury. | Sudbury. |
| Burkholder, Geo..... | Whitevale. | Whitevale. |
| Burwell, C. A..... | Tillsonburg. | Tillsonburg. |
| Caldar, James..... | Fergus. | Fergus. |
| Campbell, D. S..... | St. Marys. | St. Marys. |
| Campbell, John..... | 181 Emery St., London. | London. |
| Canada Re-inforced Concrete Pipe Works..... | 15 Sterling Ave., Kitchener. | Kitchener. |
| Canadian Concrete Products Co., Ltd..... | 122 St. Michigan Ave., Chicago, Ill. | Belleville. |
| Cast Stone Blocks Co..... | Bridgeburg. | Bridgeburg. |
| Cement Products Co..... | 1877 Howard Ave., Windsor. | Windsor. |
| Chatham Cement, Tile and Block Co., Ltd..... | Richmond St., Chatham. | Chatham. |
| Chick Fuel & Supply Co., Ltd..... | 951 McDougall St., Windsor. | Windsor. |
| Clarkson Cement Tile & Block..... | Clarkson. | Clarkson. |
| Clements & Miller..... | Welland. | Welland. |
| Corinthian Stone Co..... | 20 Durham St., Guelph. | Guelph. |
| Cross Builders Supply Co., Ltd..... | 624 Windsor Ave., Windsor. | Windsor. |
| Crystal Stone Works..... | 580 Ontario St., Stratford. | Stratford. |
| Devitt, W. J..... | Brooklin. | Brooklin. |
| Dewar, James S..... | Paisley. | Paisley. |
| Doidge, J. A..... | 261 Ottawa St., Hamilton. | Hamilton. |
| Dominion Concrete Co..... | Kemptville. | Kemptville. |
| Dumile & Builders Supplies Ltd..... | 65 York St., Hamilton. | Bartonville. |
| Fairbank Block & Supply Co..... | 619 Vaughan Road, Toronto. | Toronto. |
| Fletcher, J. H. & Sons..... | R. R. 1, Ridgeville. | Ridgeville. |
| Fulton, John..... | Pakenham. | Pakenham. |
| Garnett, Thos. & Sons..... | Barrett St., Port Hope. | Port Hope. |
| Gendreau, W..... | 935 Pierre Ave., Windsor. | Windsor. |
| Gillis, Alfred..... | Hespeler Rd., Galt. | Galt. |
| Grace, Thomas..... | 201 S. Christina St., Sarnia. | Sarnia. |
| Granite Concrete Block Co., Ltd..... | 432 Weston Rd., Toronto. | Toronto. |
| Hall, John Warren..... | 677 Water St., Peterborough. | Peterborough. |
| Hayley, Harry..... | Hurdman Road, Ottawa. | Ottawa. |
| Henson & Co..... | 405 Gorge Rd., Victoria. | Victoria. |
| Hewitt, A. B. & Son..... | Princeton. | Princeton. |
| Holbeck, B. A..... | Kingsville. | Kingsville. |
| Hoyles, Arthur..... | St. George St., Dresden. | Dresden. |

Cement Products—Concluded

| Name | Address | Location |
|------------------------------------------|--------------------------------------|--------------------|
| ONTARIO—Concluded | | |
| Hubbell, Charles | Thamesville | Thamesville. |
| Hyatt Brothers | 290 Egerton St., London | London. |
| Hunt, J. W. & Sons | Mount Forest | Mount Forest. |
| Hyndman, John | Gorrie | Gorrie. |
| Independent Concrete Pipe Co., Ltd. | 198 Riddell St., Woodstock | Woodstock. |
| Ingroville, Stephen | Metcalf St., Strathroy | Strathroy. |
| Jacques Cement Block Factory, The | 570 Goyeau St., Windsor | Windsor. |
| Jago Concrete Products Co. | New Toronto | New Toronto. |
| Johnston, J. H. | 124 Hollborne St., London | London. |
| Jones-Loockhart Ltd. | St. Catharines | St. Catharines. |
| Killsbourn, H. & Son | 1451 Wharncliffe Road, London | London. |
| Kingsborough, Jas. C. | 51 Mellourne St. W., Lindsay | Lindsay. |
| Kingston Cement Products | 66 Patrick St., Kingston | Kingston. |
| Lawrence Bros. | Stoney Creek | Stoney Creek. |
| Lefebvre, Jos. | 710 Pierre Ave., Windsor | Windsor. |
| Legg, Stanley | 712 Oxford, E. London | London. |
| Liseman, W. H. | Box 100, Cayuga | Cayuga. |
| Lindley, E. | 11 Hillary Ave., Toronto | Toronto. |
| Lyons Fuel & Supply Co., Ltd. | Sault Ste. Marie | Sault Ste. Marie. |
| McClelland, R. J. | Ontario & William Sts., Kingston | Kingston. |
| Martyn, H. J. | 14 Prince Edward Ave., Niagara Falls | Niagara Falls. |
| Miller, Albert | 50 Harvey St. Chatham | Chatham. |
| Miller, Thomas | 313 Peter St., Sandwich | Sandwich. |
| Mitchell, Ralph R. | 1659 Lombard Ave., Niagara Falls | Niagara Falls. |
| Moore, F. J. | Box 275, Beamsville | Beamsville. |
| Mould, Arthur | 44 Boulton St., London | London. |
| Nicholson, J. B., Ltd. | 901 Excelsior Life Bldg., Toronto | Toronto. |
| Northern Cement Brick & Block Co. | Timmins | Timmins. |
| North Oshawa Cement Works | 775 Albert St., North Oshawa | North Oshawa. |
| Nuttall, Wm. | Hamilton St., Preston | Preston. |
| Oil Springs Tile and Cement Co. | Oil Springs | Oil Springs. |
| Ontario Cement Products Co. | 67a Gloucester St., Toronto | Toronto. |
| Osterhout, Peter | Room 203 Exchange Building, Windsor | Windsor. |
| Page George, Leslie | R. R. 3, Lucknow | Lucknow. |
| Peerless Artificial Stone Ltd. | 510 Rhodes Ave., Toronto | Toronto. |
| Pettypiece, Limited | Amherstburg | Amherstburg. |
| Plaff, W. E. | Queen St., Hensall | Hensall. |
| Plante, E. F. | 901 Cataract St., Windsor | Windsor. |
| Pong, Geo. | Albert Ave., Ridgetown | Ridgetown. |
| Ratcliffe, F. B., Ltd. | King St., Bartonville | Bartonville. |
| Ridgeville, Concrete Works | Ridgeville | Ridgeville. |
| Robidoux, Henry | Box 323 Amherstburg | Amherstburg. |
| Robinson, Ernest E. | Mitchell | Mitchell. |
| Ross, Charles & Son | Dunnville | Dunnville. |
| Russello, Howard | Box 8, Leanington | Leanington. |
| Sarnia Cement Products, Ltd. | Point Edward | Point Edward. |
| St. Onge, Hormidas | 157 Hill Ave., Windsor | Windsor. |
| Schade, John | West Monkton | West Monkton. |
| Schmidt, J. T. | R. R. 1, Waterloo | Waterloo. |
| Shoemaker, Allen | R. R. 4, Kitchener | Kitchener. |
| Somerville, W. G. & Son | Division St., Welland | Welland. |
| Stanley, J. | Stanley's Corners | Stanley's Corners. |
| Swatman, G. W. | 1084 Lillian St., Windsor | Windsor. |
| Sydenham Block and Tile Co. | Box 438, Wallaceburg | Wallaceburg. |
| Tambling, A. L. | Dunnville | Dunnville. |
| Taylor, Fred | Fort Erie | Fort Erie. |
| Tigert, John | Port Albert | Port Albert. |
| Ward, John | 148 Simcoe St. E., Hamilton | Hamilton. |
| Watterworth, Chas. W. | Beamsville | Beamsville. |
| Wells, Jas. | 149 Philip St., London | London. |
| Wessels, D. S., Co. | 1625 Euclid Ave., Detroit Mich. | Waukeville. |
| White, Homer & Co. | Spring St., Picton | Picton. |
| White, Sydney | R. R. 4, St. Catharines | Homer. |
| Williams, Geo. C. | Wheatley | Wheatley. |
| Windsor Vault Works | 314 Pierre St., Windsor | Windsor. |
| Young, John & Son | Ridgeway | Ridgeway. |
| SASKATCHEWAN— | | |
| Saskatchewan Concrete Culvert & Pipe Co. | Banner Block, Regina | Regina. |
| Saskatoon Cement Block Works | 12- Ave. C.N., Saskatoon | Saskatoon. |
| ALBERTA— | | |
| Alberta Concrete Works | 10356-205 St., Edmonton | Edmonton. |
| BRITISH COLUMBIA— | | |
| Bennett, W. H. | 2814 Rock Bay Ave., Victoria | Victoria. |
| B.C. Concrete Co., Ltd. | 77th Ave. & Oak St., Vancouver | Vancouver. |
| Hell, William | Pleasant Valley Road, Vernon | Vernon. |
| Spokane Concrete Pipe Co. | Oliver | Oliver. |
| Star Cement Laundry Tray Co. | 3805 Ontario St., Vancouver | Vancouver. |
| Whiting & McCleary | 8809 Hudson St., Vancouver | Vancouver. |

Coke and By-Products

| Name | Address | Location |
|---------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|---------------------------------------------|
| NOVA SCOTIA— Dominion Iron and Steel Co..... | Sydney..... | Sydney. |
| ONTARIO— Algoma Steel Corporation, Ltd..... Hamilton By-Product Coke Ovens Ltd..... Steel Company of Canada, Ltd..... | Sault Ste. Marie..... 15 Main St., Hamilton..... Hamilton..... | Sault Ste. Marie. Hamilton. Hamilton. |
| BRITISH COLUMBIA— Crow's Nest Pass Coal Co., Ltd..... Granby Consolidated Mining, Smelting and Power Co..... | Fernie..... Anyox..... | Fernie. Anyox. |

Illuminating and Fuel Gas

| | | |
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| NOVA SCOTIA— Nova Scotia Tramways & Power Co., Ltd., The..... | 603 Barrington St., Halifax..... | Halifax. |
| NEW BRUNSWICK— New Brunswick Power Co..... Pintsch Compressing Co..... | St. John..... New Haven, Conn., U.S.A..... | St. John. McAdam Jct. |
| QUEBEC— Corporation of Sherbrooke..... Montreal Light, Heat & Power Consolidated..... Pintsch Compressing Co..... Quebec Railway Light Heat and Power Co., Ltd..... | Sherbrooke..... Power Bldg., Montreal..... New Haven, Conn., U.S.A..... Quebec Railway Bldg., Quebec..... | Sherbrooke. Montreal. 67 Lusignann St., Montreal. Quebec. |
| ONTARIO— Barrie Gas Co., Ltd..... Board of Light and Heat Commission..... Brockville Public Utilities Commission..... City Gas Co. of London..... City of St. Thomas Gas Dept..... Consumers Gas Co. of Toronto..... Corporation of the City of Belleville..... Hydro-Electric Power Commission of Ontario..... Hydro-Electric Power Commission of Ontario..... Hydro-Electric Power Commission of Ontario..... Ottawa Gas Co..... Pintsch Compressing Co..... Pintsch Compressing Co..... Pintsch Compressing Co..... Port Hope Gas Co..... Public Utility Commission..... Public Utilities Commission of Kitchener..... Public Utilities Commission of Owen Sound..... Public Utility Commission..... Stormont Electric and Power Co..... Waterloo Water and Light Commission Gas Dept..... | 16 Owen St., Barrie..... Guelph..... Brockville..... 215 Dundas St., London..... St. Thomas..... 19 Toronto St., Toronto..... Belleville..... 190 University Ave., Toronto, 2..... 190 University Ave., Toronto, 2..... 190 University Ave., Toronto, 2..... 35 Sparks St., Ottawa..... New Haven, Conn., U.S.A..... New Haven, Conn., U.S.A..... New Haven, Conn., U.S.A..... John St., Port Hope..... 99 Queen St., Kingston..... 189 King St. W., Kitchener..... 1146-1st Ave., E., Owen Sound..... 7-9 Ontario St., Stratford..... Cornwall..... Waterloo..... | Barrie. Guelph. Brockville. London. St. Thomas. Toronto. Belleville. Cobourg. Oshawa. Peterborough. Ottawa. Fort William. North Bay. John St., Toronto. Port Hope. Kingston. Kitchener. Owen Sound. Stratford. Cornwall. Waterloo.. |
| MANTOBA— Canada Carbide Co..... Canada Gas and Electric Corporation..... Canada Carbide Co..... Canada Carbide Co..... Canada Carbide Co..... Pintsch Compressing Co..... Souris Consumers Gas Co., Ltd..... Winnipeg Electric Railway Co..... | 611 Power Bldg., Montreal, P.Q..... 27-29—10th St., Brandon..... 611 Power Bldg., Montreal, P.Q..... 611 Power Bldg., Montreal, P.Q..... 611 Power Bldg., Montreal, P.Q..... New Haven, Conn., U.S.A..... Souris..... Electric Railway Chambers, Winnipeg..... | Morris. Brandon. Deloraine. Harmiota. Manitou. Sutherland Ave., Winnipeg. Souris. Winnipeg. |
| SASKATCHEWAN— Canada Carbide Co..... Pintsch Compressing Co..... | 611 Power Bldg., Montreal, P.Q..... New Haven, Conn., U.S.A..... | Moosomin. Moose Jaw. |
| ALBERTA— Pintsch Compressing Co..... | New Haven, Conn., U.S.A..... | 10354—108th St., Edmonton. |
| BRITISH COLUMBIA— British Columbia Electric Power & Gas Co., Ltd..... City of Nelson..... New Westminster Gas Co., Ltd..... Pintsch Compressing Co..... Vancouver Gas Co., Ltd..... Victoria Gas Co..... | 425 Corral St., Vancouver..... Front St., Box 1028, Nelson..... 12th St. and 3rd Ave., New Westminster..... New Haven, Conn., U.S.A..... 425 Corral St., Vancouver..... 1016 Langley St., Victoria..... | Vancouver. Nelson. New Westminster. Vancouver. Vancouver. Victoria. |

Glass Products (including the bevelling, bending and cutting of plate and window glass, and the manufacturing of mirrors, art glass and cut glass)

| Name | Address | Location |
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| NEW BRUNSWICK— Murray & Gregory, Ltd. | Douglas Ave., St. John | St. John. |
| QUEBEC— Consolidated Plate Glass Co. Grinson, Geo. Hobbs Mfg. Co., Ltd. Montreal Art Glass Works O'Shea, J. P. & Co. Perfection Glass Co., Ltd. Phillips, Geo. & Co., Ltd. | 241 Spadina Ave., Toronto, Ont. 336 Craig St. W., Montreal. London, Ontario. 5844 St. Lawrence Blvd., Montreal. 15 Parnault Lane, Montreal. 201 Inspector St., Montreal. 585 St. Thimothée St., Montreal. | 30 St. Sulpice, Montreal. Montreal. Montreal. Montreal. Montreal. Montreal. Montreal. |
| ONTARIO— Advance Glass Co. Advance Glass Co. American Optical Co. of Canada. Bullas, J., Glass Co. Canadian Flood Lighting Co. Canadian Tumbler Co. Central Ornamental Glass Co. Chippertons, Ltd. Colonial Art Glass Co. Consolidated Plate Glass Co. of Canada, Ltd. Dundas Plate Glass Co., Ltd. Excelsior Plate Glass Co., Ltd. Federal Glass Co., Ltd. Glass and Mirrors, Ltd. Hill, Arthur E. & Co. Hobbs Manufacturing Co., Ltd. Hobbs Manufacturing Co., Ltd. Horwood Glass Mfg. Co., Ltd. Hughes, W. J. London Art Glass and Mirror Works, Ltd. Luxfer Prism Co., Ltd. Lyon, N. T. Glass Co., Ltd. McCausland, Robt., Ltd. Ontario Plate Glass, Ltd. Perfection Glass Co., Ltd. Phillips, W. E., & Co. Pringle & London Sovereign Cut Glass Co. Tint Plate Glass Window Glass Co. Wallaceburg Cut Glass Works | 175 King St., Stratford. 175 King St., Stratford. Toronto. Kitchener. 124 Adelaide St., Toronto. 83-85 King St. E., Toronto. 83 McCaull St., Toronto. Deseronto. 586 Bank St., Ottawa. 241 Spadina Ave., Toronto. Dundas. 189 Queen St. E., Toronto. 62 Richmond St. E. Toronto 2. 175 King St., Stratford. 28 Keystone, Toronto. London. London. 402 Bank St., Ottawa. 312 Wychwood, Toronto. 226 Talbot St., London. 162 Parliament St., Toronto. 141 Church St., Toronto. 141-143 Spadina Ave., Toronto. 112 King St. W., Hamilton. 91 Don Roadway, Toronto. Oshawa. 146 Jurvis St., Toronto. 143 Adelaide St. E., Toronto. Victoria and Edward Sts., Kitchener. Wallaceburg. | 140 Euclid Ave., Toronto. Stratford. 257 Coleman St., Beileville Kitchener. Toronto. Toronto. Toronto. Toronto. Deseronto. Ottawa. Toronto. Dundas. Toronto. Toronto 2. Stratford. Toronto. 304 Ridout St., London. 121 Liberty St., Toronto Ottawa. Toronto. London. Toronto. Toronto. Toronto. Hamilton. Toronto. Oshawa. Toronto. Toronto. Kitchener. Wallaceburg. |
| MANITOBA— Canadian Cut Glass Ltd. Consolidated Plate Glass Co. Hobbs Mfg. Co., Ltd., The | 183 James St., Winnipeg. 241 Spadina Ave., Toronto. London, Ont. | Winnipeg. 375 Balmoral St., Winnipeg. 360 Princess St., Winnipeg. |
| ALBERTA— Capital Glass Bevelling Work Ltd. | 9812 Jasper Ave., Edmonton. | Edmonton. |
| BRITISH COLUMBIA— Borgardus Wickens, Ltd. Fraser J. Glass Works. Holt, W., & Son Kingsway Glass Co. Regal Art Glass Co. | 1000 Homer St., Vancouver. 2120 Granville, Vancouver. 400-426 Second Ave., W. Vancouver. 385 Kingsway, Vancouver. 1471 Broadway, Vancouver. | Vancouver. Vancouver. Vancouver. Vancouver. Vancouver. |

Glass (Pressed and Blown)

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| QUEBEC— Consumers Glass Co., Ltd. Dominion Glass Co., Ltd. Dominion Glass Co., Ltd. | 2nd Ave., Ville St. Pierre, Montreal. 1111 Beaver Hall Hill, Montreal. 1111 Beaver Hall Hill, Montreal. | Ville St. Pierre, Montreal. Pointe St. Charles, Montreal. Delorimier Ave., Montreal. |
| ONTARIO— Beaver Flint Glass Co. of Toronto, Ltd. Dominion Glass Co., Ltd. Dominion Glass Co., Ltd. Dominion Glass Co., Ltd. Dominion Glass Co., Ltd. Richards Glass Co., Ltd. | 547 Parliament St., Toronto. 1111 Beaver Hall Hill, Montreal, P.Q. 1111 Beaver Hall Hill, Montreal, P.Q. 1111 Beaver Hall Hill, Montreal, P.Q. 1111 Beaver Hall Hill, Montreal, P.Q. 102 Atlantic Ave., Toronto. | Toronto. Chapelle St., Hamilton. Toronto. Wallaceburg. 388 Carlaw Ave., Toronto. Toronto. |
| ALBERTA— Dominion Glass Co., Ltd. | 1111 Beaver Hall Hill, Montreal, P.Q. | Redcliffe. |

The Lime Industry

| Name | Address | Location |
|----------------------------------------|-------------------------------------|-------------------------------|
| NOVA SCOTIA— | | |
| Dominion Iron and Steel Co. Ltd. | Sydney | Sydney. |
| Eastern Lime Co. (H. C. Burchell) | Windsor | Windsor. |
| NEW BRUNSWICK— | | |
| Bathurst Co. Ltd. | Bathurst | Bathurst. |
| Peters, C. H. & Sons, Ltd. | Ward St., Saint John | Torreyburn. |
| Provincial Lime Co., Ltd. | 89 Water St., Saint John | Lawlor's Lake. |
| Purdy and Green | 323 Main St., Saint John | Saint John. |
| Randolph and Baker, Ltd. | Randolph | Randolph. |
| Stetson, Cutler & Co., Ltd. | Campbellton | Saint John. |
| QUEBEC— | | |
| Arnaud & Beaudry | Joliette | Joliette. |
| Baron, A. & Frere | St. Dominique de Bagot | St. Dominique de Bagot |
| Boivin, Arthur | Pont Rouge | Pont Rouge. |
| Dominion Lime Co., The | East Angus | Lime Ridge. |
| Ducharme, C. | Gungues | Gungues. |
| Fortin, Octave | Val Brillant | Val Brillant. |
| Heon, Octave | St. Louis de Champlain | St. Louis de Champlain. |
| Lahumiere, Joseph | St. Dominique de Bagot | St. Dominique. |
| Laurentian Stone Co., Ltd. | 250 Catherine St., Ottawa, Ontario | Hull. |
| Limoges Fils & Cie. | 552 rue Pouport, Montreal | Montreal. |
| Naul, Francis | St. Marc des Carrieres | St. Marc des Carrieres. |
| St. Marc Lime Co. | St. Marc des Carrieres | St. Marc des Carrieres. |
| Standard Lime Co., Ltd. | Joliette | St. Marc des Carrieres. |
| Stinson-Reeb Builders Supply Co., Ltd. | 330 Dorchester St., W. Montreal. | Montreal. |
| ONTARIO— | | |
| Alabastine Co. Paris, Ltd., The | Paris | Elora. |
| American Cyanamid Co. | 511-5th Ave., New Ynrk City, U.S.A. | Teeswater. |
| Beachville White Lime Co. | Beachville | Niagara Falls. |
| Biederman, Albert G. | Golden Lake | Beachville. |
| Brunner Mond (Canada), Ltd. | Amherstburg | Golden Lake |
| Cameron, W. M. | Carleton Place | Anderson Tp. |
| Canada Lime Co., Ltd. | 26 Queen St., E. Toronto | Carleton Tp. |
| Chalmers Lime Works | 689 Seventh St. West, Owen Sound | Coboconk. |
| Christie, Henderson & Co., Ltd. | 201 Crown Office Bldg., Toronto 2 | Owen Sound. |
| | | Hesper. |
| | | Kelso. |
| | | Paslinch. |
| | | Chatham. |
| Dominion Sugar Co., Ltd. | Chatham | Wallaceburg. |
| Gallagher Lime and Stone Co., Ltd. | James Street, Hamilton | Hamilton. |
| Harvey, E., Ltd. | 15 Douglas St., Guelph | Rockwood. |
| Jamieson, J. M. | Forsters Falls | Forsters Falls. |
| Jamieson Lime Co. | Hall St., Renfrew | Renfrew. |
| Kinkley, H. | Napanee | Napanee. |
| Marshall, James | Hamilton | Hamilton. |
| Robertson, D., Co., Ltd. | 26 Queen St., East Toronto | Milton. |
| Standard White Lime Co., Ltd. | 15 Douglas St., Guelph | Beachville. |
| | | Guelph. |
| Standard Chemical Co., Ltd. | 200 Bay St., Toronto | Egouville. |
| Toronto Brick Co., Ltd. | 80 Victoria St., Toronto | Coboconk. |
| Toronto Lime Co., Ltd. | 26 Queen St., E. Toronto | Limehouse. |
| Vogan, Samuel | Gould St., Warton | Warton. |
| Weppler, Henry | R.R. No. 2, Priceville | Gleneg Tp. |
| MANITOBA— | | |
| Gillis Quarries, Ltd. | Spruce and Richard Sts., Winnipeg | Garson. |
| Manotou Gypsum Co., Ltd. | Box 3057, Winnipeg | Gypsumville. |
| Moosehorn Lime Co., Ltd., The | 214 Avenue Bldg., Winnipeg | Moosehorn. |
| Winnipeg Supply and Fuel Co., Ltd. | 214 Avenue Bldg., Winnipeg | Stonewall. |
| ALBERTA— | | |
| Loder's Lime Co., Ltd. | Kananaskis | Kananaskis. |
| Summit Lime Works | Box 273, Lethbridge | 14 miles east of Crow's Nest. |
| BRITISH COLUMBIA— | | |
| Hedley Gold Mining Co., Ltd. | Hedley | Hedley. |
| Pacific Lime Co., Ltd. | 602 Pacific Bldg., Vancouver | Blubber Bay, Texada Island. |
| Rosebank Lime Co. | 602 Pacific Bldg., Vancouver | Esquimalt Harbour. |

Petroleum Products

(a) Lubricating Oils

| Name | Address | Location |
|----------------------------------------------|----------------------------------------------|------------------------------------|
| QUEBEC— | | |
| Economic Products, Ltd. | 1040 Durocher St., Montreal | Montreal. |
| Jaffo Co., Ltd. | 6346 Clarke St., Montreal | Montreal. |
| Three in One Oil Co. | 130 William St., New York, U.S.A. | 21 Mount Royal Hotel, Montreal. |
| ONTARIO— | | |
| Cataract Refining Co., Ltd. | 1 Sherbourne St., Toronto | Toronto. |
| Dominion Oil Co., Ltd. | 263 Wallace Ave., Toronto | Owen Sound. |
| Galena Signal Oil Co. | 134 Royce Ave., Toronto | Toronto. |
| Ontario Lubricating Co., Ltd. | 120 Chatham St., Hamilton | Hamilton. |
| Peterson Core Oil & Mfg. Co. of Canada, Ltd. | 718 S. Kolmar Ave., Chicago, Ill., U.S.A. | Harmony Ave., Hamil- ton. |

(b) Petroleum Refining

| | | |
|------------------------------------------|----------------------------------------------|--------------------------------------|
| NOVA SCOTIA— | | |
| Imperial Oil Refineries, Ltd. | 445 S. Christina St., Sarnia, Ont. | Dartmouth. |
| QUEBEC— | | |
| Frontenac Oil Refineries, Ltd. | 721 Canada Cement Bldg., Montreal | Montreal. |
| Imperial Oil Refineries, Ltd. | 445 S. Christina St., Sarnia, Ont. | 5250 Notre Dame St. E., Montreal. |
| ONTARIO— | | |
| British American Oil Co., Ltd. | 1312 Royal Bank Bldg., Toronto | Toronto. |
| Canadian Oil Refineries, Ltd. | 707 Excelsior Life Bldg., Toronto | Petrolia. |
| Imperial Oil Refineries, Ltd. | 445 S. Christina St., Sarnia | Sarnia. |
| McColl Bros. | 114 Don Esplanade, Toronto | Toronto. |
| MANITOBA— | | |
| North Star Oil & Refining Co. | 303 Scott Block, Winnipeg | St. Boniface. |
| SASKATCHEWAN— | | |
| Imperial Oil Refineries, Ltd. | 445 S. Christina St., Sarnia, Ont. | Regina. |
| ALBERTA— | | |
| Alberta Refining Co., Ltd. | cor. 17th Ave. and 1st St. W., Calgary | Coult's. |
| Alberta Refineries, Ltd. | Edmonton | Edmonton. |
| Arctic Refineries, Ltd. | Lethbridge | Lethbridge. |
| Canada Southern Oil & Refining Co., Ltd. | Alberta Corners, Black Diamond | Black Diamond. |
| Imperial Oil Refineries, Ltd. | 445 S. Christina St., Sarnia, Ont. | Calgary. |
| Jennings Refining Co., The | 207—8th Ave. West, Calgary | Calgary. |
| Maple Leaf Oil & Refining Co. | Coult's | Coult's. |
| Regal Oil & Refining Co., Ltd. | Manchester Subdivision, Calgary | Calgary. |
| BRITISH COLUMBIA— | | |
| Imperial Oil Refineries, Ltd. | 445 S. Christina St., Sarnia, Ont. | loco. |
| Union Oil Co. of Canada, Ltd. | 617 W. 7th St., Los Angeles, Cal., U.S.A. | Port Moody. |
| Vancouver Oil Refining | 567 Burrard St., Vancouver | North Vancouver. |

Domestic Clay Products Industry

Brick and Tile

| | | |
|------------------------------|----------------------|-----------------------------------|
| NOVA SCOTIA— | | |
| Brooks, Geo. | New Glasgow | Plymouth. |
| Brooks, Stephen and Sons | Box 359, New Glasgow | New Glasgow. |
| Miller, Jas. B. | Elmsdale | Barney's Brook. |
| Nova Scotia Clay Works, Ltd. | Haylock St., Amherst | Elmsdale. |
| Shaw, L. E., Ltd. | Avonport | Pugwash. Avonport. |
| NEW BRUNSWICK— | | |
| Ryan, M. and Son, Ltd. | Box 575, Fredericton | Woodstock Road, Fred- ericton. |
| Tondreau, Joseph | Bathurst | Bathurst. |

Domestic Clay Products Industry—Continued

Brick and Tile—Continued

| Name | Address | Location |
|-----------------------------------------------|-----------------------------------------|----------------------|
| QUEBEC— | | |
| Ascot Tile and Brick Co., Ltd. | Ascot Corner. | Ascot Corner. |
| Bell, W. and D. | 1286 St. Valier St., Quebec. | Little River Road. |
| Bouchard, Benjamin | Jonquieres | Jonquieres. |
| Citadel Brick, Ltd. | 14 St. Joseph St., Quebec. | Boischatel. |
| Granby Clay Products, Ltd. | P.O. Box 266, Granby. | Granby Tp. |
| Gravel, Joseph | Acton Vale. | Acton Vale. |
| Hodgins, David G. | Shawville. | Shawville. |
| L'Industrielle de St. Tite, Ltd. | St. Tite. | St. Tite. |
| Longpre, Emile | St. Felix de Valois. | St. Felix de Valois. |
| Mathieu, Amadee | Victoriaville. | Victoriaville. |
| McCrea Valley Brick Co., Ltd. | Oliver Bldg., Sherbrooke. | Lennoxville. |
| National Brick Co. of Laprairie, Ltd. | Canada Cement Co., Bldg., Montreal. | Delson. |
| | | Laprairie. |
| Prox's Freres | P.O. Box 384, Richmond | Richmond. |
| St. Lawrence Brick Co., Ltd., The. | 71 St. James St., Montreal. | Laprairie. |
| Scott Brick Co., Ltd. | 136 St. Peter St., Quebec. | Scott Junction. |
| Suddard, E. P. | Gaspe. | Douglas West Tp. |
| ONTARIO— | | |
| Alvinston Brick & Tile Co., Ltd. | Box 26, Alvinston. | Alvinston. |
| Baker, Geo. E. | Arnprior. | Arnprior. |
| Bartonville Pressed Brick Co., Ltd. | 620 Lister Block, Hamilton. | Bartonville. |
| Batchelor, Samuel | Proton Station. | Proton Station. |
| Bechtel Brick Co., Ltd., The. | Waterloo. | Waterloo. |
| Booth Brick & Lumber Co., The. | Drawer 61, New Toronto. | Etobicoke Tp. |
| Braunton Pressed Brick Co., Ltd. | Brampton. | Brampton. |
| Broadwell, B. and Son. | Kingsville. | Near Kingsville. |
| Caledon Mountain Shale Products. | 600 Bay St., Toronto. | Caledon. |
| Campbell, Neil F. | R. R. No. 1, West Lorne. | West Lorne. |
| Canadian Fireclay Products, Ltd. | 604 Adelaide St. E., Toronto. | New Toronto. |
| Canadian Pressed Brick Co., Ltd. | 105 Ottawa St. S., Hamilton. | Hamilton. |
| Cheeseman, Peter | 670 King St. W., Hamilton. | Hamilton. |
| Cooksville Shale Brick Co., Ltd. | 26 Queen St. E., Toronto. | Cooksville. |
| Cooper, W. H. | 312 Clyde Block, Hamilton. | Hamilton. |
| Cornhill, James & Sons, Ltd. | Grand Ave. E., Chatham. | Chatham. |
| Crang, Jethro. | 22 Thorne Crescent, Toronto. | Toronto. |
| Curtin, Frank | R. R. No. 4 Lindsay. | Lindsay. |
| Curtis Bros. | Box 809, Peterboro. | Peterboro. |
| Dalton, Maurice | R. R. No. 3, Oresden. | Dawn Tp. |
| DeLaplante, J. E. | Dawes Rd., Coleman P.O., Toronto. | Toronto. |
| Deller, Albert and Son. | Brownsville. | Brownsville. |
| Deller Bros. | R. R. No. 2 Norwich. | Near Norwich. |
| Dolan, John | R. R. No. 2 Watford. | Warwick. |
| Dominion Sewer Pipe and Clay Industries, Ltd. | Swansea. | Aldershot. |
| Donaldson, S. E. | R. R. 4, Harriston. | Fulton Mills. |
| Don Valley Brick Works, Ltd. | 114 Federal Bldg., Toronto. | Torlmorden. |
| Douglas and Douglas. | Wilkesport. | Wilkesport. |
| Dublia Brick & Tile Yard. | Dublin. | Dublin S. |
| Elliott, Charles. | Bluevale. | Bluevale. |
| Elliott, Wm. | Glenannan. | Glenannan. |
| Elliott, James, Jr. | 519 Wellington St. W., Sault Ste Marie. | P. Korah Tp. |
| Fort William Brick Co. | 509 Victoria Ave., Fort William. | W. Fort William. |
| Frid Bros. | Macklin St. & Dundas Road, Hamilton. | Hamilton. |
| Gammag, C. R. | R. R. No. 2 Dresden. | Dresden. |
| Gardiner, Wm. | Box 83, Blenheim. | Blenheim. |
| Godfrey, Thomas & Co. | Carleton Place. | Carleton Place. |
| Grimsby Brick and Tile Co. | Grimsby. | Grimsby. |
| Hallatt, Herbert & Son. | Box 93, Comber. | Comber. |
| Hallatt, Wm. | Richards Bldg., Chatham. | Merlin. |
| Halton Brick Co., Ltd. | 28 Symes Rd., Toronto 9. | Equeusing Tp. |
| Hamilton Pressed Brick Co. | Kensington Ave. S., Hamilton. | Hamilton. |
| Hill, A. W. | R. R. 1, Coatsworth. | East Tilbury Tp. |
| Hill, Aaron | Essex. | Essex. |
| Herock Bros. | Box 83, Bowmanville. | Bowmanville. |
| Hitch, D. A. | Erie St. N., Ridgectown. | Ridgectown. |
| Hitch, Thomas. | Box 254, St. Thomas. | St. Thomas. |
| Holder, Mrs. J. H. and Sons. | Dutton. | Dutton. |
| Hohi, John | R. R. No. 1 Wellesley. | Lisbon. |
| Houston Co., Ltd., The. | Tweed. | Tweed. |
| Howlett, Fred and Sons | Box 3, Petrolia. | Petrolia. |
| Huntsville Brick and Tile Workers. | Huntsville. | Huntsville. |
| Inteprovincial Brick Co., Ltd. | 30 Toronto St., Toronto. | Cheltenham. |
| | | Milton. |
| Jackson, W. B. | 290 Rawdon St. Brantford. | Brantford. |
| Janes, D. A. | R. R. No. 1, Mt. Brydges. | Mt. Brydges. |
| Jamieson Lime Co. | Renfrew. | Renfrew. |
| Jasperson, B. Brick & Tile Yards. | Kingsville. | Kingsworth. |
| Jervis, W. J. | R. R. No. 3 Dorchester Station. | Dorchester Station. |
| Johnson, James | R. R. No. 3, Pembroke. | Pembroke. |
| Kerr, Chas. | Goderich. | Ben Miller. |
| Koebel Bros. | Box 54 St. Clements. | St. Clements. |
| Kruse Bros. | Senforth. | Tuckersmith Tp. |

Domestic Clay Products Industry—Continued

Brick and Tile—Continued

| Name | Address | Location |
|--------------------------------------------------|-----------------------------------|---------------------|
| ONTARIO—Concluded | | |
| Labey, Geo. A. and Son | Foxboro | Foxboro |
| Lindsay, Earl | R. R. No. 2 Wallaceburg | Wallaceburg |
| Martin, Thos. E. | Thamesville | Thamesville |
| McComb, Chester | Denfield | Elginfield |
| McCornick Bros. | R. R. No. 5 Watford | King-court Junction |
| McEachran, N. | Highgate | Highgate |
| McIvor Bros. | Buchanan St., Cobourg | Cobourg |
| McMahon, Robert | R. R. No. 2 Kerwood | Strathroy |
| Morkley's, Ltd. | Billings Bridge | Billings Bridge |
| Middleton, C. | Wyoming | Wyoming |
| Milton Brick Ltd. | Milton | Milton |
| Milner, Manly F. | Kingsville | Streetsville |
| Missouri Tile Yard (W. H. Deller) | R. R. No. 4, Thorndale | Kingsville |
| Moscow Brick and Tile Works | R. R. No. 1 Greenock | Thorndale |
| Napanee Brick & Tile Works | R. R. 3, Napanee | Riverdale |
| O'Dell, Wm. and Sons | R. R. No. 1, Ingersoll | Napanee |
| Olman Bros. | 111 Macklin St. Hamilton | Ingersoll |
| Ontario Denison Tile Co., Ltd. | 24 Wyandotte St. E., Windsor | Hamilton |
| O'Reilly, T. E. | 390 Bay St., Ottawa | Tilbury |
| Ottawa Brick Mfg. Co. Ltd., The | 53 Queen St. Ottawa | Plotcher |
| Ott Brick & Tile Mfg. Co., Ltd., The | 33 King St. E., Kitchener | Hog's Back |
| Owen Sound Brick Co., Ltd., The | 856 Second Ave. E., Owen Sound | Hog's Back |
| Parks, Henry W. | R. R. No. 2, Dresden | Kitchener |
| Paxton, Fred. R. | 230 Queenston St., St. Catharines | Owen Sound |
| Pembroke Brick Co., The | Pembroke | Dresden |
| Phillips, Thomas & Son | R. R. No. 2, Lucknow | St. Catharines |
| Phinn Bros. | 238 Briscoe St., London | Pembroke |
| Phippen & Field | 150 Dawes Road, Toronto | St. Helens |
| Piggott, Geo. & Co. | 72 Guestville Ave., Toronto 9 | London |
| Port Rowan Brick & Tile Co. | Port Rowan | Toronto |
| Price and Cumming | Salisbury Ave., Humber Bay | Mount Dennis |
| Price and Smith | 458 Greenwood Ave., Toronto | Port Rowan |
| Provincial Brick Plant | Parliament Bldg., Toronto | Humber Bay |
| Red Star Brick & Tile Yard (W. H. Barnhardt) | Stratford | Toronto |
| Richardson, Jas. & Son | Kerrwood | Mimico |
| Riselay Brick Co., Ltd. | Main St. W., Hamilton | Stratford |
| Russell, Jos. Estate | 49 Blake St., Toronto | Kerrwood |
| Smith, Alex. & Son | R. R. No. 2, Dutton | Hamilton |
| Snelgrove, A. | Beaverton | Toronto |
| Sproat, Wm. M. | R. R. No. 4, Seaforth | Dutton |
| Standard Brick Co., Ltd. | 303 Broadview Ave., Toronto | Thorah Tp. |
| Staples Brick and Tile Co. | Staples | Tuckersmith Tp. |
| Steele, Edwin | Vankleek Hill | Toronto |
| Stratford Brick, Tile and Lumber Co. | Mansion House, Stratford | Staples |
| Streetsville Brick Co., Ltd., The | 410 Crown Office Bldg., Toronto 2 | Vankleek Hill |
| Stroth, M. C. | Conestogo | Stratford |
| Sun Brick Co., Ltd. | 1104 Bay St., Toronto | Streetsville |
| Superior Brick and Tile Co., Ltd. | 428 Victoria Ave., Ft. William | Conestogo |
| Sutherland, W. A. | Box 293, Parkhill | Todmorden |
| Tope, Richard, Estate | 171 Queen St. S., Hamilton | Parcouse Tp. |
| Toronto Brick Co., Ltd. | 60 Victoria St., Toronto | Parkhill |
| Voakes, D. and Son | Ruscomb | Hamilton |
| Wagstaff, Charles | R. R. No. 4, Lindsay | (Milton) |
| Wagstaff, A. H. & Co. | 348 Greenwood Ave., Toronto | Toronto |
| Wallace, R. & Son | 66 First Ave. E., North Bay | North Bay |
| Wein, Anron | Crediton | Crediton |
| Winch Bros. | Paisley | Paisley |
| Windsor Brick & Tile Co. | 203 Exchange Bldg., Windsor | Near Kingsville |
| Woodslee Brick & Tile Yards | Woodslee | Woodslee |
| Wright, Geo. & Sons | Comber | Comber |
| MANITOBA— | | |
| Alsip Brick, Tile and Lumber Co., Ltd. | 200 Tribune Bldg., Winnipeg | Winnipeg |
| Marion, Joseph A. | Box 30, St. Boniface | St. Boniface |
| Sidney Brick & Clay Works, Ltd. | Sidney | Sidney |
| Snyder, A. & Company, Ltd. | Box 1401, Portage La Prairie | Portage La Prairie |
| Snyder, M. | Gilbert Plains | Gilbert Plains |
| Wardrop & Son | Whitemouth | Whitemouth |
| SASKATCHEWAN— | | |
| Bruno Clay Works, Ltd. | Bruno | Near Bruno |
| Dominion Fire Brick and Clay Products, Ltd., The | 421 Hammond Bldg., Moose Jaw | Chybank |
| Elliott, W. H. & Son | 1320-3rd Ave. N., Saskatoon | Saskatoon |
| Excelsior Brick Co., Ltd. The | Prince Albert | Prince Albert |
| International Clay Product, Ltd. | Estevan | Estevan |
| Saskatchewan Penitentiary | Prince Albert | Prince Albert |
| Shand Coal and Brick Co. | Shand | Shand |

Domestic Clay Products Industry—Concluded

Brick and Tile—Concluded

| Name | Address | Location |
|----------------------------------------------------------------|------------------------------------------|--------------------|
| ALBERTA— | | |
| Acme Brick Co. Ltd., The..... | 125 Alberta Block, Edmonton..... | Cannell. |
| Benson, Ole..... | Grande Prairie..... | Grande Prairie. |
| Crandell, E. H., Pressed Brick and Sandstone Co..... | 807 MacLean Block, Calgary..... | Briekburn. |
| Little, J. B. & Sons..... | 6120-100 Ave., Edmonton..... | Riverdale. |
| Redcliff Brick and Coal Co., Ltd..... | Box B 5, Redcliff..... | Redcliff. |
| Redcliff Pressed Brick Co. Ltd..... | Box 87, Redcliff..... | Redcliff. |
| Redcliff Premier Brick Co. Ltd..... | Box C 2, Redcliff..... | Redcliff. |
| BRITISH COLUMBIA— | | |
| Armstrong Brick Works (C. & A. Oakland)..... | Armstrong..... | Armstrong. |
| Christian Community of Universal Brotherhood Ltd., The..... | Grand Forks..... | Grand Forks. |
| Clayburn Co., Ltd..... | 302 Crédit Foncier Bldg., Vancouver..... | Clayburn, Kilgard. |
| Gorse, Percy A..... | Salmon Arm..... | Enderby. |
| Haug, Wm. and Son..... | Kelowna..... | Kelowna. |
| Johnston & Co. Ltd..... | Kamloops..... | Near Kamloops.. |
| North Saanich Brick and Tile Works..... | Sydney..... | Sydney. |
| Port Haney Brick Co. Ltd., The..... | 846 Howe St. Vancouver..... | Port Haney. |
| Victoria Brick Co., Ltd..... | 3001 Douglas St., Victoria..... | Victoria. |
| Gabriola Shale Products Ltd..... | 102 Moody Block, Victoria..... | Gabriola Is. |

The Clay Products Industry—Clay Sewer Pipe

| | | |
|-----------------------------------------------------|------------------------------------------|---------------|
| NOVA SCOTIA— | | |
| Standard Clay Products, Ltd..... | New Glasgow..... | New Glasgow. |
| QUEBEC— | | |
| Standard Clay Products, Ltd..... | St. John's..... | St. John's. |
| ONTARIO— | | |
| Dominion Sewer Pipe and Clay Industries, Ltd..... | Swansea..... | Swansea. |
| Hamilton and Toronto Sewer Pipe Co., Ltd., The..... | Wentworth St. N., Hamilton..... | Hamilton. |
| Ontario Sewer Pipe and Clay Products, Ltd..... | Mimico..... | Mimico. |
| ALBERTA— | | |
| Alberta Clay Products Co., Ltd..... | Box 672, Medicine Hat..... | Medicine Hat. |
| BRITISH COLUMBIA— | | |
| Clayburn Co., Ltd..... | 302 Credit Foncier Bldg., Vancouver..... | Kilgard. |

Clay Products Industry

Fire Brick, Fire Clay and Fire Clay Products

| | | |
|------------------------------------------------|------------------------------------------|----------------------------|
| NOVA SCOTIA— | | |
| Dominion Iron and Steel Co., Ltd..... | Sydney..... | (Shubenacadie. Sydney.) |
| Intercolonial Sales Co., Ltd..... | Westville..... | Westville. |
| NEW BRUNSWICK— | | |
| Foley Pottery, Ltd..... | Saint John..... | Saint John. |
| QUEBEC— | | |
| Montreal Terra Cotta Co., Ltd..... | 511 St. Catherine St. W., Montreal.... | La eside. |
| ONTARIO— | | |
| Algoma Steel Corporation, Ltd..... | Sault Ste. Marie..... | Sault Ste. Maris. |
| National Fire Proofing Co. of Canada, Ltd..... | 601 Dominion Bank Building, Toronto..... | Aldershot. |
| SASKATCHEWAN— | | |
| Dominion Fire Brick & Clay Products Ltd..... | 421 Hammond Bldg., Moose Jaw..... | Claybank. |
| ALBERTA— | | |
| Alberta Clay Products, Ltd..... | Box 672, Medicine Hat..... | Medicins Hat. |
| BRITISH COLUMBIA— | | |
| B.C. Refractories Ltd..... | 365 Water St., Vancouver..... | Vancouver. |
| Clayburn Co., Ltd..... | 302 Crédit Foncier Bldg., Vancouver..... | Clayburn. |

The Clay Products Industry—Stoneware and Pottery

| Name | Address | Location |
|------------------------------------------------------------------------|-----------------------------------------------------------|-----------------------|
| NEW BRUNSWICK— Foley Pottery, Ltd..... | Saint John..... | Saint John. |
| ONTARIO— Davis, John and Sons..... Foster Pottery Co..... | 60 Heat St. W., Toronto..... Main St. W. Hamilton..... | Toronto. Hamilton. |
| ALBERTA— Medalta Potteries, Ltd..... | Medicine Hat..... | Medicine Hat. |

Imported-Clay Products

| | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| NEW BRUNSWICK— Foley Pottery Ltd., The..... | Marsh Bridge, St. John..... | St. John. |
| QUEBEC— Canada Firebrick Co..... Canadian Potteries Ltd..... Canada Stoneware Works..... Dominion Sanitary Pottery Co..... Standard Clay Products, Ltd..... | 399 St. Ambrose St., Montreal..... 2 Longueuil, St. St. Johns..... Iberville..... 189 St. James St., St. Johns..... P.O. Box 819, St. Johns..... | Montreal. St. Johns. Iberville. St. Johns. St. Johns. |
| ONTARIO— Bailey, G. & Co..... Campbells Sons, R. Hamilton Pottery..... Canadian General Electric Co..... Canadian Porcelain Co., Ltd..... Dominion Insulator Co., Ltd..... Frontenac Floor & Wall Tile Co., Ltd..... Smith Potteries..... Smith & Stone..... | 331 Bay St., Toronto..... 100 Lock St., S. Hamilton..... 212 King St. W., Toronto..... Box 170, Paradise Road, Hamilton..... Niagara Falls..... Box 178, Kingston..... Cor. King St. W., & Alexander Blvd., Oshawa..... Georgetown..... | Toronto. Hamilton. Peterborough, Hamilton, Niagara Falls, Kingston, Oshawa. Georgetown. |

The Salt Industry

| | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NOVA SCOTIA— Malagash Salt Products, Ltd..... | New Glasgow..... | Malagash, Cumberland Co. |
| ONTARIO— Brunner-Mond, Canada, Ltd..... Canadian Salt Co., Ltd..... Dominion Salt Co., Ltd..... Elarton Salt Works Co., Ltd..... Exeter Salt Works Co., Ltd..... Goderich Salt Co., Ltd..... Kincardine Salt Co., Ltd..... Western Canada Flour Mill Co., Ltd..... Western Salt Co., Ltd..... | Amherstburg..... Sandwich..... Sarnia..... Watford..... Exeter..... Goderich..... Kincardine..... 295 Macpherson Ave., Toronto..... 411 Dominion Bank Bldg., Toronto..... | Amherstburg, Essex Co. Windsor and Sandwich, Essex Co. Sarnia, Lambton Co. Warwick, Lambton Co. Exeter, Huron Co. Goderich, Huron Co. Kincardine. Goderich, Huron Co. Coutright, Lambton Co. |
| ALBERTA— Alberta Salt Co., Ltd..... | Edmonton..... | Fort McMurray. |

Sand-Lime Brick

| | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| QUEBEC— Lime Products Ltd..... Silico Ltd..... | Cor. Marquette & St. Grégoire Sts., Montreal..... 37 Mayor St., Montreal..... | Montreal Montreal. |
| ONTARIO— Canada Sand-Lime Pressed Brick Co..... Harbour Brick Co., Ltd..... Hinde Bros..... Leaside Brick & Sand Co..... Shepard, J. G. & Co..... Toronto Brick Co., Ltd..... Toronto Brick Co., Ltd..... Willcox Lake Brick Co., Ltd..... York Sandstone Brick Co., Ltd..... | 28 Symes Rd., Toronto W..... Lumsden Bldg., Toronto..... 134 Northlands Ave., West Toronto..... Leaside..... Wellington..... 60 Victoria St., Toronto..... 60 Victoria St., Toronto..... Richmond Hill..... 447 Victoria Park Ave., Toronto 13..... | Toronto. Bathurst St. Dock, Toronto, Toronto, Mount Dennis. Leaside, Wellington, Scarboro. Swansea. Richmond Hill. Toronto 13. |
| MANITOBA— Winnipeg Brick Co., Ltd..... Wood & Sons, Ltd..... | Osborne St., Winnipeg..... 904 Ross Ave., Winnipeg..... | Winnipeg. Winnipeg. |

Monumental and Ornamental Stone

| Name | Address | Location |
|---------------------------------------------------------|----------------------------------------------------|--------------------------------|
| PRINCE EDWARD ISLAND— | | |
| Beck Vere and Son..... | Montague..... | Montague. |
| Chandler & Bell..... | 160 Kent St., Charlottetown..... | Charlottetown. |
| NOVA SCOTIA— | | |
| Colonial Granite Co., Ltd..... | New Glasgow..... | New Glasgow. |
| Dauphine, A. T..... | Shelburne..... | Shelburne. |
| Goudey, Robt. H..... | Horton St., Yarmouth..... | Yarmouth. |
| Hoyt, C. M..... | Middleton..... | Middleton. |
| Kelly, George J..... | Bridgewater..... | Bridgewater. |
| McKay, H. D..... | Main St., River John..... | River John. |
| Maritime Monument Works..... | Kempt Road, Halifax..... | Halifax. |
| Myatt, Albert H..... | Oxford..... | Oxford. |
| Purvis, James..... | Windsor..... | Windsor. |
| Rottler, Albert A..... | Kentville..... | Kentville. |
| Steele, John D..... | Commercial St. N., Sydney..... | North Sydney. |
| Tingley Granite and Marble Works..... | 3 Lansdowne Ave., Amherst..... | Amherst. |
| Truro Granite and Marble Works..... | Truro..... | Truro. |
| NEW BRUNSWICK— | | |
| Kinsella, P. & Son..... | Kanes Corner E., St. John..... | St. John. |
| Lawlor & Williams..... | Chatham..... | Chatham. |
| Meating Epps Co., Ltd..... | St. George..... | St. George. |
| Milne Coutts & Co., Ltd..... | St. George..... | St. George. |
| Moore, Michael..... | Fredericton..... | Fredericton. |
| Nelson Bros..... | Lower Cape..... | Lower Cape. |
| Ottum Marble & Granite Works..... | Fredericton..... | Fredericton. |
| Pelletier, Alfred B..... | St. Basile..... | St. Basile. |
| Price, Alfred, Estate (St. Stephens Granite Works)..... | Queen St., St. Stephen..... | St. Stephen. |
| Sherrard, Thos. F. and Son..... | 135 Victoria St., Moncton..... | Moncton. |
| Shields, J. A..... | St. Stephen..... | St. Stephen. |
| QUEBEC— | | |
| Anglin-Norcross, Ltd..... | 65 Victoria St., Montreal..... | Montreal. |
| Aberdeen Granite and Marble Works..... | 1116 Bleury St., Montreal..... | Montreal. |
| Beebe Monument Co..... | Beebe..... | Beebe. |
| Bridford, John..... | 10 Drummond St., Granby..... | Granby. |
| Bault, Z..... | 1 Champlain St., Valleyfield..... | Valleyfield. |
| Brodies, Ltd..... | 1070 Rue Bleury, Montreal..... | Montreal. |
| Brunet, A..... | Ormstown..... | Ormstown. |
| Brunet, J., Ltd..... | 675 Chemin-de-la-Côte des-Neiges, Montreal..... | Montreal. |
| Chabot, Fred..... | Scotts Junction..... | Scotts Junction. |
| Chaussé, Edouard..... | 66 Cascadus St., St. Hyacinthe..... | St. Hyacinthe. |
| Coté, Victor..... | 187-1st Ave., Limoilou, Québec..... | Québec. |
| Courtmanche Bros..... | Waterloo..... | Waterloo. |
| Dalozgio, François..... | 720 Chemin Côte-des-Neiges, Montreal..... | Montreal. |
| Deaudelin & Baron..... | 92 St. Antoine St., St. Hyacinthe..... | St. Hyacinthe. |
| Delwaide & Gofin..... | Chicoutimi..... | Chicoutimi. |
| Desroches, Charles..... | Joliette..... | Joliette. |
| Ducharme, Z..... | 41 Notre-Dame, Victoriaville..... | Victoriaville. |
| Dussault, Theo., & Cie..... | Mount Laurier, Québec..... | Québec. |
| Gignac, Azarias..... | St. Alban..... | St. Alban. |
| Gingras, Roch..... | Ste. Foy..... | Ste. Foy. |
| Gosselin et Fils..... | Beauceville Est..... | Beauceville Est. |
| Hambly, Richard..... | Cotiacook..... | Cotiacook. |
| Hazelton, Wm..... | Beebe..... | Beebe. |
| Hill, Clayton J..... | Richmond..... | Richmond. |
| Iberville Granite Works..... | 47 Stevenson St., Iberville..... | Iberville. |
| Jacques, Olivier..... | 18 rue Shaw, Lévis..... | Lévis. |
| Jean, Xavier..... | St. Fabien..... | St. Fabien. |
| La Cie de Marbre and de Pierre de Québec..... | 117 Abrsham Hill, Québec..... | Québec. |
| Laforce & Frères..... | 3081 St. Joseph St., Québec..... | Québec. |
| Lefebvre, J. A..... | 78-3rd St., Limoilou, Québec..... | Québec. |
| L'Heureux, J. A..... | Ste. Geneviève de Batiscan..... | Ste. Geneviève de Batiscan. |
| Lemay, Alcide..... | Deschailions..... | Deschailions. |
| McKenney, V. B..... | Hedford..... | Hedford. |
| Norton, S. B..... | Beebe Junction..... | Beebe Junction. |
| Paquin, Laurent..... | 181 rue Lejeune, Trois-Rivières..... | Trois-Rivières. |
| Perron, Godfroy..... | Cotiacook..... | Cotiacook. |
| Perusse, Alcide..... | St. Marc des Carrières..... | St. Marc des Carrières. |
| Poulin, P. A..... | 724 Champlain St., St. John..... | St. John. |
| Roberge, T..... | 69 Blvd., Langelier, Québec..... | Québec. |
| Robertson, Fred..... | Beebe Junction..... | Beebe Junction. |
| Rochon, T. & Fils..... | 1571 St. Lawrence Blvd., Montreal..... | Montreal. |
| Rolland, J. A..... | 1285 Rue St. Valier, Québec..... | Québec. |
| Savard, J. Pte..... | Ste. Anne de la Pérade..... | Ste. Anne de la Pérade. |
| Shawville Marble and Granite Co..... | Box 182 Shawville..... | Shawville. |
| Smith Bros., of Montreal, Ltd..... | 2116 Bleury St., Montreal..... | Montreal. |
| Smith, George..... | Beebe..... | Beebe. |
| Smith Marble and Construction Co., Ltd..... | 145 Van Horne Ave., Montreal..... | Montreal. |
| Stanstead Granite Quarries Co., Ltd..... | Beebe..... | Beebe. |
| Sutton Marble & Granite Co..... | Sutton..... | Sutton. |
| Thompson, T. C..... | 270 Wellington St., S. Sherbrooke..... | Sherbrooke. |
| Wingender, G. E..... | St. Guillaume d'Upton..... | St. Guillaume d'Upton. |

Monumental and Ornamental Stone—Continued

| Name | Address | Location |
|--------------------------------------------|---------------------------------------------------|-------------------|
| ONTARIO— | | |
| Adams, Geo. | 561-563 Dundas St., Woodstock. | Woodstock. |
| Allan, Wm. | Brampton. | Brampton. |
| Alpaugh, J. | St. Andrews St., Fergus. | Fergus. |
| Ambrose, J. L. & Son. | Guelph. | Guelph. |
| Arnprior Marble and Granite Works. | Arnprior. | Arnprior. |
| Austin, P. O. | 44 Colborne St., Simcoe. | Simcoe. |
| Bayne, Daniel. | Kemptville. | Kemptville. |
| Beal, J. R. & Son. | Pembroke. | Pembroke. |
| Bounsall, E. R. | Division St., Bowmanville. | Bowmanville. |
| Bowden, D. W. | 782 2nd Ave. E., Owen Sound. | Owen Sound. |
| Boyer, H. & Son. | Box 28, Bracebridge. | Bracebridge. |
| Brantford Monument Works. | Brantford. | Brantford. |
| Braun, Casper. | 295 King St. W. Kitchener. | Kitchener. |
| Brown. | R. R. 4, St. Catharines. | St. Catharines. |
| Brown, Robert. | 376 Sparks St., Ottawa. | Ottawa. |
| Central Canada Stone Co., Ltd. | 278 Booth Ave., Toronto. | Point Edward. |
| Chapman, Wm. E. | Box 24, Seaford. | Seaford. |
| Cocker, John. | 35 Market Square, Chatham. | Chatham. |
| Colby, C. H. | Chatham. | Chatham. |
| Collingwood Granite and Marble Works. | Collingwood. | Collingwood. |
| Corbett, A. J. | Main St., Mt. Forest. | Mt. Forest. |
| Corley, A. C. | Main St., Brighton. | Brighton. |
| Coughlin Monumental Works. | 216 Hunter St., Peterborough. | Peterborough. |
| Coughlin, Michael. | 303 Friskine Ave., Toronto. | Toronto. |
| Creber Bros. | 204 Kingston Road, Toronto. | Toronto. |
| Creber Son & Company. | 4333 St. Clair Ave. W. Toronto. | Toronto. |
| Cunningham & Pryde. | Exeter. | Exeter. |
| Davison, Geo. J. | Paisley. | Paisley. |
| de Carle, Chas. W. and Victor. | R. R. 3, Brockville. | Brockville. |
| Delanty, Patrick E. | Cobourg. | Cobourg. |
| Dillon, Joseph. | Gananoque. | Gananoque. |
| Doan & Panther. | 20 Elgin St., St. Thomas. | St. Thomas. |
| Doyle, Jno. E. | 269 8th St. East, Owen Sound. | Owen Sound. |
| Duval, George R. | Main St., Alexandria. | Alexandria. |
| Edwards, W. R. | 1283 Dundas St. W., Toronto. | Toronto. |
| Excelsior Marble and Granite Works. | 37 Pitt St. E., Windsor. | Windsor. |
| Fallon Bros. | 380-303 Princess St., Kingston. | Kingston. |
| Froate, Geo. H. & Co. | Renfrew. | Renfrew. |
| George, John J. | Pt. Elgin. | Pt. Elgin. |
| Gibson, J. G. Marble and Granite Co., Ltd. | 539-547 Parliament St., Toronto. | Toronto. |
| Gibson, John F. | Winchester. | Winchester. |
| Gould, A. J. | Box 274, Uxbridge. | Uxbridge. |
| Gullott, R. M. | 1650 Yonge St., Toronto 5. | Toronto 5. |
| Halliday, B. S. | Chesley. | Chesley. |
| Hamilton & Sons. | 229 Woolwich St., Guelph. | Guelph. |
| Hayes Bros. Co. | Sudbury. | Sudbury. |
| Herbert, T. H. | 50 Wentworth St., Hamilton. | Hamilton. |
| Hibberd, Arthur. | 195 Melita Ave., Toronto. | Toronto. |
| Hoidge Marble Co., Ltd. | 34 Price St., Toronto. | Toronto. |
| Hutchinson, John W. | Aylmer. | Aylmer. |
| Hurst & Rogers. | 1181-1189 Queen St. W. Toronto. | Toronto. |
| Isaac, Jas. & Son. | 30 Dupont St., Toronto. | Toronto. |
| Jackson, J. H. | South Shaftsbury Ave. and C.P.R. tracks, Toronto. | Toronto. |
| Johnston & Cranston. | 1840 Yonge St., Toronto. | Toronto. |
| Johnston, T. & Son. | Paisley. | Paisley. |
| Jones & Stevens. | 277 Rideau St., Ottawa. | Ottawa. |
| Jones, Thomas C. | Listowel. | Listowel. |
| Jones, W. A. | Main St., W. Picton. | Picton. |
| Kilvington Bros. | 1367 St. Clair Ave. W., Toronto. | Toronto. |
| Lake Superior Granite & Marble Works. | 111 Wellington St. W. Sault Ste. Marie. | Sault Ste. Marie. |
| Leamington Granite & Marble Works. | Erie St. N. Leamington. | Leamington. |
| Leader, W. J. | Gananoque. | Gananoque. |
| Lindsay Monumental Works. | 11 Cambridge St., N. Lindsay. | Lindsay. |
| Lipper, F. & Sons. | Farham St., Walkerton. | Walkerton. |
| Lloyd, T. | Main St., Prescott. | Prescott. |
| London Marble and Granite Co. | 493 Richmond St., London. | London. |
| Luesby, George W. | Cor. Main & Queen St., Newmarket. | Newmarket. |
| Martel & Cummings. | Vankleek Hill. | Vankleek Hill. |
| McCallum Granite Co., Ltd. | 397 Princess St., Kingston. | Kingston. |
| McElroy, H. J. | 151 Woolwich St., Guelph. | Guelph. |
| McLosh Granite Co., Ltd., of Toronto. | 1623 Yonge St., Toronto. | Toronto. |
| McKay, Alexander. | 2 Browns Ave., Toronto. | Toronto. |
| McMillan Granite Co., Ltd. | 105 Ontario St., Sarnia. | Sarnia. |
| Middleton Marble and Granite Co., Ltd. | 122 Main St., E. Hamilton. | Hamilton. |
| Minnis, Charles. | Box 35 B, Wardsville. | Wardsville. |
| Moore Bros. | 104 Front St., Belleville. | Belleville. |
| Moss, Jno. O. | Box 412, Newmarket. | Newmarket. |
| Napanee Marble and Granite Works. | Napanee. | Napanee. |
| Nicholson, T. G. | 1117 Yonge St., Toronto. | Toronto. |
| Nobbs, A. & E. | Cor. William and C.P.R., London. | London. |
| North Bay Marble Works. | Klock Ave., North Bay. | North Bay. |
| Oakley, Geo. & Son, Ltd. | 278 Booth Ave., Toronto. | Toronto. |
| Ontario Marble Co., Ltd. | Maria St., Peterborough. | Peterborough. |
| Ontario Marble & Granite Works. | 187 Kent St. W., Lindsay. | Lindsay. |
| Ottawa Cut Stone Co. | 7 & 9 Isabella St., Ottawa. | Ottawa. |

Monumental and Ornamental Stone—Concluded

| Name | Address | Location |
|--------------------------------------------|----------------------------------------|---------------------|
| ONTARIO—continued. | | |
| Pollard, & Miller | 715 Queen St., Sault Ste. Marie | Sault Ste. Marie. |
| Pollock & Ingham | 153 Main St., E., Galt | Galt. |
| Porterfield & Colquhoun | Mitchell | Mitchell. |
| Rhodes, Thomas & Sons | Cayuga | Cayuga. |
| Richardson, Robt. Harvey | Hanover | Hanover. |
| Ritchie, Jas. | 51 Carbarine St., Ottawa | Ottawa. |
| Ritellie Cut Stone Co., Ltd. | 191 Grant Ave., Hamilton | Hamilton. |
| Robson & Thompson | Aliston | Aliston. |
| Ruch, T. J. & Son | Wellington St., St. Marys | St. Marys. |
| Rutledge, S. H. | Orangeville | Orangeville. |
| Rutter, Win | Ontario St., Port Hope | Port Hope. |
| Sanderson, R. J. Marble Co. | 33 Peter St., Orillia | Orillia. |
| Sarnia Granite and Marble Works | 151 Victoria St., Sarnia | Sarnia. |
| Scott Bros | 38 McCee St., Toronto | Toronto. |
| Select Cut Stone Co., Ltd. | 1149 McDougall Ave., Windsor | Windsor. |
| Sherwood, J. H. | 551 Bethune St., Peterborough | Peterborough. |
| Simcoe Marble Works | 40 Owen St., Barrie | Barrie. |
| Skelton, E. J. & Son | Walkerton | Walkerton. |
| Smith Monument Co. | 1764 Yonge St. W., Toronto | Toronto. |
| Smith, R. B. | Merrickville | Merrickville. |
| Smyth, Frank W. | 344 Wellington St., London | London. |
| Snider, I. R. | Humberstone | Humberstone. |
| Stead, Arthur | 148 Central Ave., Hamilton | Hamilton. |
| Steiner, J. | 409 Dundas St., Toronto | Toronto. |
| Standard Stone Co., Ltd. | 1440 Howard Ave., Windsor | Windsor. |
| Stubbs, C. E. | Morrisburg | Ferron's Point. |
| Superior Stone Ltd. | 528 Victoria St., Kitchener | Kitchener. |
| Thake, H. W. | Westport | Westport. |
| Thatcher & Co. | 39 Market Square, Chatham | Chatham. |
| Thomson, Monument Co., Ltd. | 802 Dupont St., Toronto | Toronto. |
| Trenton Marble & Granite Works | Front & Ford Sts., Trenton | Trenton. |
| Twin City Marble and Granite Co. | 386 Brock St., E., Fort William | Fort William. |
| Vokes, John | 884 Dupont St., Toronto | Toronto. |
| Wardell Monumental Works | 696 Dundas St. W., Toronto | Toronto. |
| Webb, George | 18 Summerhill Ave., Toronto | Toronto. |
| Whitby Memorial Co. | Whitby | Whitby. |
| Wildcombe, Benjamin | 5 Bond St., St. Catharines | St. Catharines. |
| Wideman, I. C. & Son | Stouffville | Stouffville. |
| Wilcox Granite Co. | Opposite Woodland Cemetery, Hamilton | Hamilton. |
| Williamson, W. A. & Son | Gananoque | Gananoque. |
| Willisroet, B. S. | 868-3rd Ave. E., Owen Sound | Owen Sound. |
| MANITOBA— | | |
| Allen & Grant | 40 Youville St., St. Boniface | St. Boniface. |
| Billing, J. | Carman | Carman. |
| Brook, J. H. & Sons | 266 Main St., Winnipeg | Winnipeg. |
| Campbell, R. M. | 90 Hespeler St., Winnipeg | Winnipeg. |
| Gillis, Aug. & Son | Spruce and Richard Sts., Winnipeg | Winnipeg. |
| Guinn & Simpson Co., Ltd. | Box 511, Portage la Prairie | Portage la Prairie. |
| Hocper Marble and Granite Co., Ltd. | 537 Portage Ave., Winnipeg | Winnipeg. |
| Johnston, James J. | 525 Cordlyon Ave., Winnipeg | Winnipeg. |
| Memorial Marble and Tile Co., Ltd. | 71 Main St., Winnipeg | Winnipeg. |
| Pierson, C. H. | 201 Sixth St., Brandon | Brandon. |
| Pitotton, N. | 385 rue Du Bac, St. Boniface | St. Boniface. |
| Somerville & Co. | 1417 Rosser Ave., Brandon | Brandon. |
| Western Stone Co. | St. Boniface | St. Boniface. |
| Wheeldon & Sons | 1055 Main St., Winnipeg | Winnipeg. |
| SASKATCHEWAN— | | |
| Moose Jaw Marble and Granite Works, Ltd. | 706 Athabasca St. E., Moose Jaw | Moose Jaw. |
| Regina Marble and Tile Ltd. | 826 Dewdney Ave., Regina | Regina. |
| Regina Monumental Co. | 1748 Hamilton St., Regina | Regina. |
| Sask. Marble and Construction Co., Ltd. | 117 Eighth St. E., Prince Albert | Prince Albert. |
| Saskatoon Granite and Marble Co., Ltd. | 113 Ave. A, North, Saskatoon | Saskatoon. |
| Western Granite Marble and Stone Co., Ltd. | 714-716—2nd Ave. N., Saskatoon | Saskatoon. |
| Yorkton Monumental Works | 20 Agricultural Ave., Yorkton | Yorkton. |
| Young, Alex., Ltd. | Cor. Fourth Ave. and Scott St., Regina | Regina. |
| ALBERTA— | | |
| Alberta Granite, Marble & Stone Co., Ltd. | 10702—101st St., Edmonton | Edmonton. |
| Hart, Albert J. | 1831—2nd St. East, Calgary | Calgary. |
| Lethbridge Monumental Works | 325—8th St. S., Lethbridge | Lethbridge. |
| McDonald Granite Co., Ltd. | 2313—2nd St. E. Calgary | Calgary. |
| North West Granite and Marble Co. | 8537—109th St., Edmonton | Edmonton. |
| BRITISH COLUMBIA— | | |
| Allan, A. S. | 880 Beach Ave., Vancouver | Vancouver. |
| Art Monument Co., Ltd. | 602—15th Ave. E., Vancouver | Vancouver. |
| Continental Marble Co., Ltd. | 1404 Dominion Bldg., Vancouver | Vancouver. |
| Forster, J. | 5528 Fraser, Vancouver | Vancouver. |
| Independent Monument Co. | 995—20th Ave. E., Vancouver | Vancouver. |
| Keast & Allan | 880 Beach Ave., Vancouver | Vancouver. |
| Mellins, C. E. J. | Nanaimo | Nanaimo. |
| Mortimer, John & Son | 720 Courtenay St., Victoria | Victoria. |
| Newall, Jno. B. | Cor. Fraser and 36th Ave., Vancouver | Vancouver. |
| Stewart Monumental Works, Ltd. | 1401 May St., Victoria | Victoria. |
| Vernon Granite and Marble Co. | Box 285, Vernon | Vernon. |

Miscellaneous Non-Metallic Mineral Products

(a) Artificial Abrasives

| Name | Address | Location |
|-------------------------------------------|-------------------------------------------|---------------------|
| QUEBEC— Canadian Carborundum Co., Ltd. | P.O. Box 536, Niagara Falls, N.Y. | Shawinigan Falls. |
| ONTARIO— Abrasive Co. of Canada, Ltd. | Burlington St. and Harvey Lane, Hamilton. | Hamilton. |
| Canadian Carborundum Co., Ltd. | P.O. Box 536, Niagara Falls, N.Y. | Niagara Falls, Ont. |
| Exolon Co. | Blasdell, New York, U.S.A. | Thorold. |
| Norton Company | New Bond St., Worcester, Mass., U.S.A. | Chippewa. |

(b) Abrasive Products

| | | |
|----------------------------------------------|--------------------------|-------------|
| ONTARIO— Abrasives Ltd. | Canal Road, Brantford | Brantford. |
| Brantford Grinding Wheel Co. of Canada, Ltd. | 188 Pearl St., Brantford | Brantford. |
| Canadian Hart Wheels, Ltd. | Dundas St., Galt | Galt. |
| Dominion Abrasive Wheel Co., Ltd. | 49 Main St., Mimico | Mimico. |
| Lion Grinding Wheel Co. | Brockville | Brockville. |
| Norton Company of Canada, Ltd. | 3 Beach Road, Hamilton | Hamilton. |
| Ontario Abrasive Wheels, Ltd. | Water St., Prescott | Prescott. |

(c) Artificial Graphite and Electrodes

| | | |
|-----------------------------------------|-----------------------------|----------------------------------------------------|
| ONTARIO— Acheson Graphite Co. | Niagara Falls, N.Y., U.S.A. | Cor. Buttrey Ave. and Swinyard St., Niagara Falls. |
| Electro Metallurgical Company of Canada | 46 King St. W., Toronto | Welland. |

(d) Gypsum Products

| | | |
|--------------------------------------------------|-------------------------------------|---------------------------------|
| QUEBEC— Alluisi, Arthur | 5315 rue St-Laurent, Montreal | Montreal. |
| Canada Gypsum & Alabastine, Ltd. | Paris, Ont. | Lake field Ave., Montreal East. |
| Chicoine, M. P. & Fils | 2096 Harmony, Montreal | Montreal. |
| Petrucci, T. Carl | 316-320 Notre Dame E., Montreal | Montreal. |
| ONTARIO— Canada Gypsum & Alabastine Co., Ltd. | Paris | Paris. |
| Canada Gypsum & Alabastine Co., Ltd. | Paris | Caledonia. |
| Crystalite Stone Products, Ltd. | Hillyard St., Hamilton | Hamilton. |
| Ebsary Gypsum Co., Ltd. | Box 1295, Scottsville, N.Y., U.S.A. | Caledonia. |
| Hynos, H. J., Ltd. | 26a Birch Ave., Toronto | Toronto. |
| Nu-Art Kera Tile Co., Ltd. | 7 Hunter St. E., Peterborough | Peterborough. |

(e) Mica Trimming

| | | |
|------------------------------------------|------------------------|----------------|
| QUEBEC— Loughborough Mining Co., Ltd. | Sorel | Yamaska. |
| Loughborough Mining Co., Ltd. | Sorel | Yamaska. |
| Loughborough Mining Co., Ltd. | Sorel | St. Casimir. |
| Loughborough Mining Co., Ltd. | Sorel | Pont Rouge. |
| Loughborough Mining Co., Ltd. | Sorel | Pierreville. |
| Loughborough Mining Co., Ltd. | Sorel | Sorel. |
| Loughborough Mining Co., Ltd. | Sorel | St. Aimé. |
| Loughborough Mining Co., Ltd. | Sorel | St. Raymond. |
| Mica Co. of Canada, Ltd. | 2 Lois St., Hull | Hull. |
| Mica Insulator Co. | Victoriaville | Manseau. |
| Mica Insulator Co. | Victoriaville | Lyster. |
| Mica Insulator Co. | Victoriaville | Plessisville. |
| Mica Insulator Co. | Victoriaville | St. Agpit. |
| Mica Insulator Co. | Victoriaville | Deschailons. |
| Mica Insulator Co. | Victoriaville | Victoriaville. |
| Mica Insulator Co. | Victoriaville | Daveluyville. |
| ONTARIO— Filion, S. O. | 95-97 Duke St., Ottawa | Ottawa. |

(f) Miscellaneous Non-Metallic Mineral Products, n.e.s.

| | | |
|------------------------------------------------|-------------------------------|------------|
| ONTARIO— Davis Slate & Mfg. of Canada, Ltd. | 131 Shaftesbury Ave., Toronto | Toronto. |
| Hamilton Facing Mill Co., Ltd. | Hess St. N., Hamilton | Hamilton. |
| Stevens, Frederick B. of Can., Ltd. | 926 McDougall St., Windsor | Windsor. |
| Wilkinson Foundry Facing Supply Co., Ltd. | 81 Florence St., Toronto 3 | Toronto 3. |

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