

13
CANADA—DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
MINING, METALLURGICAL AND CHEMICAL BRANCH

COAL STATISTICS FOR CANADA

FOR THE CALENDAR YEAR

1936

Published by Authority of the Hon. W. D. Euler, M.P.,
Minister of Trade and Commerce



OTTAWA
J. O. PATENAUDE, I.S.O.
PRINTER TO THE KING'S MOST EXCELLENT MAJESTY
1938

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); Woollen 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; Farm Implements; Machinery; Automobiles; Auto Parts and Accessories; Bicycles; Railway Rolling Stock; Wire and Wire Goods; Sheet Metal Products; Hardware and Tools; Bridge Building and Structural Steel Work; Miscellaneous Iron and Steel Products.
- (6) **Manufactures of the Non-Ferrous Metals**, including—Aluminium Products; Brass and Copper Products; Lead, Tin and Zinc Products; Jewellery and Silverware; Electrical Apparatus and Supplies; Non-Ferrous Smelting and Refining; Miscellaneous Non-Ferrous Metal Products.
- (7) **Manufactures of the Non-Metallic Minerals**, including—Aerated Waters—Asbestos Products—Cement—Cement Products—Coke and Gas—Glass (blown, cut, ornamental, etc.)—Lime—Petroleum Products—Products from Domestic Clays—Products from Imported Clays—Salt—Sand—Lime Brick—Dressed Stone—Artificial Abrasives and Abrasive Products—Miscellaneous Non-Metallic Mineral Products including (a) Artificial Graphite and Electrodes (b) Gypsum Products (c) Mica Products (d) Magnesite Products (e) Miscellaneous Non-Metallic Mineral Products, n.e.s.
- (8) **Chemicals and Allied Products**, including—Coal Tar Distillation; Acids, Alkalies, and Salts—Compressed Gases; Explosives, Ammunition and Fireworks; Fertilizers; Medicinal and Pharmaceutical Preparations; Paints, Pigments and Varnishes; Soaps and Washing Compounds—Toilet Preparations; Inks; Adhesives; Polishes and Dressings; Hardwood Distillation; Miscellaneous Chemical Products, including, (a) Boiler Compounds, (b) Cellulose Products; (c) Insecticides; (d) Sweeping Compounds, (e) Disinfectants; (f) Matches; (g) Dyes and Colours; (h) 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—Farming Equipment; Manufacturing Equipment; Trading Equipment; Service Equipment; Light, Heat and Power Equipment; General Equipment.
- (10) **Miscellaneous**.

PREFACE

Coal production in Canada during 1936 advanced 9·7 per cent to 15,229,182 short tons from the preceding year's total of 13,888,006 short tons. This increase was due principally to a 14·2 per cent advance in Nova Scotia's output, although gains were recorded in the tonnage mined in New Brunswick, Manitoba, Saskatchewan, Alberta and British Columbia.

Exports of Canadian coal declined slightly in 1936 to 411,574 tons from the 1935 total of 418,391 tons. Clearances from Eastern Canada ports were 6·0 per cent lower at 277,240 tons in 1936; Western Canada ports, however, cleared 134,334 tons or 8·9 per cent more than in the preceding year.

Canada imported 13,735,040 tons of coal in 1936 as compared with 13,006,021 tons in the preceding year. The United States supplied 47·8 per cent of the 1936 anthracite importations; Great Britain, 37·8 per cent; Germany, 10·2 per cent; French Indo-China, 2·5 per cent, and Belgium, the Netherlands and China, the remainder. Bituminous coal imports were obtained principally from the United States and Great Britain, the former country accounting for 98·5 per cent and the latter approximately 1·4 per cent.

Research work on coal preparation, storage properties and general characteristics of Canadian coals was continued by the Dominion Department of Mines and Resources with a view to increasing the use of these coals in Canadian plants. Continued assistance to coal operators in the form of a subvention paid by the Dominion Government was responsible for the movement of 2,356,000 tons of Canadian coal during 1936.

The Dominion Bureau of Statistics issues statistical information on coal and coke through three channels: (1) a monthly bulletin issued on the twentieth of each month, showing tonnage output from Canadian coal mines as well as imports and exports by provinces; (2) a printed quarterly report giving revised figures for each month under review and containing data on output by districts and by provinces, imports and exports by customs ports, tonnage lost, number of employees, etc.; and (3) the present annual printed report which assembles detailed information on coal in permanent form. In the monthly report early publication is the primary consideration, the production figures being assembled by postcard and by telegram.

The thanks of the Bureau are tendered to the coal operators who, through the agency of their respective provincial governments, have furnished the Bureau with data from which the present report has been compiled. The tables on imports and exports of coal have been prepared from statistics supplied monthly by the Department of National Revenue. The Bureau gratefully acknowledges its indebtedness to the governments of the coal-producing provinces and to the Department of National Revenue for co-operation in this connection, and to the members of the Dominion Fuel Board for their assistance.

This report has been prepared, under the direction of Mr. W. H. Losee, B.Sc., Chief of the Mining, Metallurgical and Chemical Branch of the Bureau, by Mr. B. R. Hayden.

R. H. COATS,
Dominion Statistician.

DOMINION BUREAU OF STATISTICS,
OTTAWA, November 16, 1937.

STATISTICS ON COAL AS COMPILED IN THE DOMINION BUREAU OF STATISTICS

The following is a statement of the statistics on coal at present maintained in the Dominion Bureau of Statistics.

(1) COAL MINE STATISTICS

The Mining, Metallurgical and Chemical Branch of the Bureau obtains a monthly statement from each coal mine in Canada, showing the output and distribution of coal by grades. The distribution statistics referred to, differentiate the amounts (a) supplied to colliery employees, (b) used for power, (c) supplied to railroads, (d) supplied for ships' bunkers, (e) put on bank, and (f) shipped for commercial consumption. The destinations of all shipments from the mines are shown by provinces. Number of employees, days worked, time and tonnages lost, etc., are also shown. These statistics are collected monthly in co-operation with the Provincial Mines Departments.

The Bureau previously also obtained a weekly statement from each mine showing daily output, but this has been discontinued as the monthly records were found to be more accurately checked.

At the end of the year a detailed statement on capital, expenses, equipment, power and other statistics of a general character are obtained from each mine, as well as a summary and check of the monthly production records.

(2) IMPORTS AND EXPORTS

In addition to the usual record of imports shown by months in the Quarterly Trade Report, a special monthly report is secured from the Department of National Revenue. The data shown in the Quarterly Trade Report include only the tonnage of coal entered for consumption, or in other words, the quantity cleared from customs. The import data as recorded in this report, unless otherwise indicated, include the total quantity of coal reaching Canadian ports whether or not it is cleared from customs. There is no appreciable difference between the two sets of figures for anthracite coal importations. Anthracite coal enters Canada free under the British Preferential Tariff, but under the Intermediate and General Tariff it is subject to a duty of 50 cents a ton and to the 3 per cent excise tax on imports. The bituminous coal data show a considerable difference, due to the fact that the duty on imported bituminous coal (preferential tariff, 35 cents per ton; intermediate and general tariff, 75 cents a ton), which results in large quantities of this coal, imported for industrial use, remaining at the port of entry until required. In addition to these import data a close check is maintained on the regional rail and water movements of anthracite and bituminous coal. A record of the exports of Canadian coal by ports of exit is also maintained.

(3) PUBLICATIONS OF THE BUREAU ON COAL

The Bureau issues the following reports:

- (1) A condensed report on production, imports and exports of coal and coke is issued monthly, publication being made about the twentieth of the next following month.
- (2) A more general review is published quarterly, showing statistics for each month, for the quarter, and for the year to date on the output by coal-mining districts and by provinces, imports and exports by ports and by kinds of coal, employment in coal-mining, and tonnages lost. There is also a section on coke showing production, imports, exports, distribution and consumption by months and by provincial groups.
- (3) A preliminary annual report on production, imports and exports; an annual report on production, imports, distribution, labour, capital, etc.

TABLE OF CONTENTS

	PAGE		PAGE
LIST OF PUBLICATIONS.....Inside front and back cover		CHAPTER SIX—Ontario.....	64
NOTE ON STATISTICS OF PRODUCTION.....	2	Consumption.....Table	89 64
PREFACE.....	3	Exports.....Table	90 65
GENERAL NOTE ON COAL STATISTICS.....	4	Imports.....Table	91 65
CHART.....	6	Summary Statistics, 1930.....Table	92 67
CHAPTER ONE—Dominion Review.....	7	CHAPTER SEVEN—Manitoba.....	69
Output.....Tables 1-5	9	Disposition.....Table	93 69
Tonnage Lost.....Tables 6 and 7	11	Exports.....Table	94 69
Disposition.....Tables 8 and 9	12	Imports.....Table	95 70
Shipments.....Table	10	Summary Statistics, 1936.....Table	96 70
Exports.....Tables 11-13	13	Employees, Salaries and Wages.....Tables 97 and 98	72
Sizes of Coal.....Tables 14 and 15		CHAPTER EIGHT—Saskatchewan.....	73
Imports.....Tables 16-24	15	Output.....Tables 99-101	73
Summary Statistics, 1932-1936.....Tables	25-29 24	Tonnage Lost.....Table	102 74
Consumption.....Tables	30-33 29	Disposition.....Table	103 74
Average Calorific Value of Fuels.....Table	34 32	Shipments.....Table	104 75
Fuel Consumption by Steam Rail-ways.....Tables	35-36 32	Exports.....Table	105 75
Prices.....Tables 37 and 38	34	Imports.....Table	106 75
Average Value per ton, raised, and Labour and Fuel Costs per ton.....Table	39 36	Summary Statistics, 1936.....Table	107 76
Employees, Salaries and Wages.....Tables	40-44 37	Employees, Salaries and Wages.....Tables	108-111 77
Output per man-day by districts.....Table	45 40	Capital Employed.....Table	112 78
Fatal and Non-Fatal Accidents.....Table	46 41	CHAPTER NINE—Alberta.....	79
Fuel and Electricity.....Table	47 41	Output.....Tables 113-116	79
Power.....Table	48 42	Tonnage Lost.....Table	117 84
Capital Employed.....Table	49 42	Disposition.....Tables	118-121 85
CHAPTER TWO—Prince Edward Island.....	43	Shipments.....Tables	122-125 86
Exports.....Table	50 43	Exports.....Table	126 87
Imports.....Table	51 43	Imports.....Table	127 87
Summary Statistics, 1936.....Table	52 44	Summary Statistics, 1936.....Table	128 88
CHAPTER THREE—Nova Scotia.....	45	Employees, Salaries and Wages.....Tables	129-134 89
Output.....Tables 53-56	45	Capital Employed.....Table	135 92
Tonnage Lost.....Table	57 47	CHAPTER TEN—British Columbia.....	93
Disposition.....Tables 58 and 59	47	Output.....Tables	136-139 93
Tonnage Put on Bank.....Table	60 48	Tonnage Lost.....Table	140 95
Shipments.....Table	61 49	Disposition.....Table	141 95
Exports.....Table	62 49	Shipments.....Table	142 95
Imports.....Table	63 50	Exports.....Table	143 96
Summary Statistics, 1936.....Table	64 51	Imports.....Table	144 96
Employees, Salaries and Wages.....Tables	65-69 52	Summary Statistics, 1936.....Table	145 97
Capital Employed.....Table	70 53	Employees, Salaries and Wages.....Tables	146-150 98
CHAPTER FOUR—New Brunswick.....	54	Capital Employed.....Table	151 100
Output.....Tables 71 and 72	54	CHAPTER ELEVEN—Yukon.....	101
Tonnage Lost.....Table	73 55	Output.....Table	152 101
Disposition.....Table	74 55	Disposition.....Table	153 101
Shipments.....Table	75 55	Imports.....Table	154 101
Output by Collieries.....Table	76 56	Summary Statistics, 1936.....Table	155 102
Exports.....Table	77 56	Employees, Salaries and Wages.....Tables	156 and 157 102
Imports.....Table	78 56	Capital Employed.....Table	158 102
Summary Statistics, 1936.....Table	79 57	CHAPTER TWELVE—World Produc- tion of Coal.....Table	159 103
Employees, Salaries and Wages.....Tables	80-83 58	CHART.....	105
Capital Employed.....Table	84 59	APPENDIX ONE—Legislation providing for test move- ments of Canadian coal.....	106
CHAPTER FIVE—Quebec.....	60		
Consumption.....Table	85 60		
Exports.....Table	86 61		
Imports.....Table	87 61		
Summary Statistics, 1936.....Table	88 63		



	ONTARIO	WINDSOR	TORONTO	KINGSTON	OTTAWA
ANTHRACITE					
GREAT BRITAIN..... Imported direct.....	—	—	51,503	—	—
Received ex-Montreal.....	20,677	2,913	284,630	28,407	135,119
Received ex-Montreal.....	—	—	44,441	—	—
GERMANY.....	—	—	—	—	—
FRENCH IND-CHINA.....	—	—	30,651	—	—
Received ex-Montreal.....	—	—	—	—	—
NETHERLANDS..... Imported direct.....	—	—	7,280	—	—
UNITED STATES..... Imported direct.....	21,897	193,519	1,028,141	53,753	91,519
TOTAL.....	51,574	196,432	1,446,646	82,160	226,638
BITUMINOUS					
GREAT BRITAIN..... Imported direct.....	—	—	3,342	—	—
Received ex-Montreal.....	—	—	—	218,376	327,974
UNITED STATES.....	1,882,316	1,066,328	4,652,336	1,383	—
NOVA SCOTIA..... Received ex-mines.....	—	46	33,448	93,039	131,083
Received ex-Montreal.....	278,455	22,231	354,007	—	1,181
NEW BRUNSWICK..... Received ex-mines.....	—	—	—	—	—
TOTAL.....	2,160,771	1,088,605	5,043,131	311,415	640,421

In addition to above shipments, the following tonnages were received in Ontario, direct from the mines, exclusive of coal moved from British Columbia and Alberta to Ontario for railroad purposes:

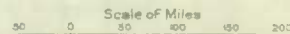
from	from	from
BRITISH COLUMBIA	ALBERTA	SASKATCHEWAN
BITUMINOUS 9,742	4,594	—
SUB-BITUMINOUS 21,646	39,739	10,009
LIGNITE —	—	—

* Also includes some coal trans-shipped from Saint John, New Brunswick.
† Also includes shipments to Hull, Gatineau, Fessett and Timiskaming, Quebec.

	MONTREAL	QUEBEC
ANTHRACITE		
GREAT BRITAIN.....	563,234	136,870
GERMANY.....	300,985	10,526
FRENCH IND-CHINA.....	58,051	—
BELGIUM.....	44,543	—
NETHERLANDS.....	8,951	—
UNITED STATES.....	235,472	21,608
TOTAL.....	1,211,236	171,004
BITUMINOUS		
GREAT BRITAIN.....	72,403	1,925
UNITED STATES.....	780,437	89,056
GERMANY.....	7,100	—
NORWAY, ESTHONIA, DENMARK, SWEDEN, NEWFOUNDLAND.....	699	256
TOTAL.....	861,139	91,237
NOVA SCOTIA, including coal for railroads.....	2,180,850	20,827
NEW BRUNSWICK.....	—	—
TOTAL.....	3,134,693	—

* Includes some Scotch anthracite received ex-Saint John, New Brunswick.
† Excludes coal shipped into this area and then trans-shipped to Ontario ports.

RECEIPTS OF COAL IN ONTARIO AND QUEBEC BY AREAS 1936 (Short Tons)



DOMINION BUREAU OF STATISTICS

R. H. COATS, LL.D., F.R.S.C., F.S.S., (Hon.) Dominion Statistician.

W. H. LOSEE, B.Sc., Chief of the Mining, Metallurgical and Chemical Branch.

COAL STATISTICS FOR CANADA

FOR THE CALENDAR YEAR 1936

CHAPTER ONE

CANADA

The Canadian production of coal in 1936 amounted to 15,229,182 tons valued at \$45,791,934; in the preceding year, 13,888,006 tons worth \$41,963,110 were produced. The 1936 output included 10,796,135 tons of bituminous coal, 566,235 tons of sub-bituminous coal, and 3,866,812 tons of lignite coal. During 1935, bituminous coal production totalled 9,748,841 tons; sub-bituminous coal, 566,425 tons, and lignite coal, 3,572,740 tons.

Nova Scotia continued to be the leading coal producing province with a total output of 6,649,102 tons in 1936 as compared with 5,822,075 tons in the previous year. New Brunswick operators reported a production of 368,618 tons or 6.5 per cent above the 1935 total. Output from Manitoba mines advanced to 4,029 tons from the preceding year's production of 3,106 tons. An increase of 10.7 per cent was recorded in Saskatchewan's output in 1936 when 1,020,792 tons were produced as against 921,785 tons a year ago. In 1936, Alberta mines produced 5,696,960 tons of coal made up of 2,288,734 tons of bituminous coal, 566,235 tons of sub-bituminous coal, and 2,841,991 tons of lignite coal. During 1935 Alberta mined 2,248,620 tons of bituminous coal, 566,425 tons of sub-bituminous coal, and 2,647,849 tons of lignite coal. Production from British Columbia sources totalled 1,489,171 tons, or 11.9 per cent above the 1935 output. The Yukon coal output declined to 510 tons in 1936 from the 1935 total of 835 tons.

Exports of Canadian coal during 1936 declined 2 per cent to 411,574 tons from the tonnage exported in the previous year. Despite this slight falling-off in exports, the 1936 total was 58.8 per cent higher than the 1933 exportations of 259,233 tons. Clearances through Prince Edward Island, Nova Scotia, New Brunswick, Quebec and Ontario ports in 1936 totalled 277,240 tons, while shipments through Manitoba, Saskatchewan, Alberta, British Columbia and the Yukon ports amounted to 134,334 tons. These export figures include Canadian coal sold for bunkering purposes at Sydney, Nova Scotia, but do not include bunkering figures for other ports.

An advance of 5.6 per cent was recorded in the imports of coal into Canada in 1936 as compared with 1935; the total for the former year was 13,735,040 tons and for the latter, 13,006,021 tons. Anthracite importations in 1936 aggregated 3,530,040 tons and consisted of 1,685,848 tons from the United States, 1,333,602 tons from Great Britain, 359,994 tons from Germany, 88,702 tons from French Indo-China, 44,543 tons from Belgium, 16,231 tons from the Netherlands, and 1,120 tons from China. Great Britain supplied 37.8 per cent of Canada's anthracite requirements during the year under review, 42.1 per cent in 1935, and 46.5 per cent in 1934. The United States accounted for 47.8 per cent of the 1936 anthracite imports, 48.4 per cent of the 1935 total, and 51.0 per cent of the 1934 importations. Bituminous coal receipts in 1936 advanced 6.8 per cent to 10,200,253 tons; the United States supplied 98.5 per cent of the year's total; Great Britain, 1.4 per cent, and Germany, Norway, Newfoundland, Esthonia, Denmark, Sweden and the Netherlands, the remainder. The United States continued to be the only source of Canada's lignite importations, supplying the Canadian market with 4,747 tons in 1936.

Employment was furnished, on the average, to 25,597 wage-earners by the Canadian coal mines as against an average of 24,831 men in 1935. Eastern coal mines employed an average of 14,039 wage-earners and western coal mines, 11,558 men. Surface employees averaged 249 days' work during 1936 and underground workers, 218 days. In addition to these men, there were 1,321 salaried employees on the 1936 mine payrolls. Salaries and wages paid to all employees working in or about the Canadian coal mines in 1936 amounted to \$28,873,135; the 1935 total was \$26,595,344.

Canada's coal supply, computed on the basis of production plus imports less exports, was 28,552,648 tons, or 7·8 per cent higher than the 1935 supply of 26,475,636 tons.

The Canadian fuel requirements are not all supplied by coal, in addition large quantities of coke, natural and artificial gas, fuel oil, wood and electricity are used for industrial and domestic purposes. Coke made available for consumption in Canada in 1936 totalled 2,999,436 tons; this represented an increase of 8·3 per cent over the 1935 total. Canadian producers sold 1,571,232 tons of coke in 1936 of which 18,215 tons were exported. The 1936 sales represented 65·3 per cent of the year's output, the remainder was used by producing companies in their own plants and associated metallurgical works. Coke importations rose 15 per cent to 612,858 tons in 1936. Coke and gas manufacturers in Canada used 1,057,099 tons of Canadian bituminous coal and 2,301,399 tons of imported coal in 1936.

Manufactured gas production in Canada during 1936 reached a total of 44,345,358 thousand cubic feet, or 11·6 per cent above the preceding year's total. In 1936, natural gas consumption in Canada consisted of 18,000,000 thousand cubic feet for domestic purposes and 9,600,000 thousand cubic feet for industrial use. It is estimated that the domestic consumption of natural gas in 1936 resulted in the apparent displacement of 720,000 tons of coal.

The apparent consumption of fuel and gas oils in 1936 totalled 516·2 million imperial gallons as compared with 505·8 million imperial gallons in the previous year. The Dominion Fuel Board's survey of fuel oil consumption in Canada during 1935 showed that 109 million imperial gallons were used for domestic and building heating; 120 million imperial gallons for industrial use; 34 million imperial gallons for tractor fuel; 47 million imperial gallons for railroads, and 137 million imperial gallons for bunkering purposes. A possible coal displacement of 662,000 tons was indicated by the quantity of fuel oil used for domestic heating in 1935.

Table 1.—Output of Coal from Canadian Mines, 1785-1936

Year	Short tons	Value	Average per ton	Year	Short tons	Value	Average per ton
		\$	\$			\$	\$
1785-1866.....	2,863,826	4,905,462	1.71	1903.....	7,960,364	15,942,833	2.00
1867.....	631,320	1,056,725	1.67	1904.....	8,254,505	16,592,231	2.01
1868.....	623,392	1,074,061	1.72	1905.....	8,667,048	17,520,263	2.02
1869.....	687,825	1,155,282	1.68	1906.....	9,762,601	19,732,019	2.02
1870.....	752,635	1,243,139	1.65	1907.....	10,511,426	24,381,842	2.32
1871.....	3,033,152	5,073,331	1.67	1908.....	10,886,311	25,194,573	2.31
1872.....				1909.....	10,561,475	24,781,236	2.36
1873.....				1910.....	12,909,152	30,909,779	2.39
1874.....	1,063,742	1,763,423	1.66	1911.....	11,323,388	26,467,646	2.34
1875.....	1,039,974	1,747,016	1.68	1912.....	14,512,829	36,019,044	2.48
1876.....	994,762	1,729,546	1.74	1913.....	15,012,178	37,334,940	2.49
1877.....	1,036,670	1,794,415	1.73	1914.....	13,637,529	33,471,801	2.45
1878.....	1,089,744	1,941,285	1.78	1915.....	13,267,023	32,111,182	2.42
1879.....	1,126,497	2,050,639	1.82	1916.....	14,483,395	38,817,481	2.68
1880.....	1,482,714	2,657,194	1.79	1917.....	14,046,759	43,199,831	3.08
1881.....	1,537,106	2,688,821	1.75	1918.....	14,077,926	55,192,896	3.68
1882.....	1,849,148	3,243,446	1.76	1919*.....	13,019,096	55,622,670	3.09
1883.....	1,818,084	3,190,635	1.71	1920*.....	16,046,764	82,496,538	4.86
1884.....	1,984,959	3,593,831	1.81	1921*.....	15,057,493	72,451,656	4.81
1885.....	1,920,977	3,417,807	1.78	1922*.....	15,157,431	65,518,467	4.32
1886.....	2,116,653	3,739,840	1.77	1923*.....	16,990,571	72,058,986	4.24
1887.....	2,429,330	4,388,206	1.81	1924*.....	13,638,197	53,593,988	3.93
1888.....	2,602,552	4,674,140	1.80	1925*.....	13,134,968	49,261,951	3.75
1889.....	2,658,303	4,804,287	1.84	1926*.....	16,478,131	59,875,094	3.63
1890.....	3,084,682	5,676,247	1.84	1927*.....	17,426,861	61,867,463	3.55
1891.....	3,577,749	7,019,423	1.96	1928*.....	17,564,293	63,757,833	3.66
1892.....	3,287,745	6,363,757	1.94	1929*.....	17,496,557	63,065,170	3.60
1893.....	3,783,499	7,359,080	1.95	1930*.....	14,881,324	62,840,748	3.55
1894.....	3,847,070	7,429,468	1.93	1931*.....	12,243,211	41,207,682	3.37
1895.....	3,478,344	6,739,153	1.94	1932*.....	11,738,913	37,117,695	3.16
1896.....	3,745,716	7,226,402	1.93	1933*.....	11,903,344	35,923,962	3.02
1897.....	3,786,107	7,303,597	1.93	1934*.....	13,810,193	42,045,942	3.04
1898.....	4,173,108	8,224,288	1.97	1935*.....	13,888,066	41,963,110	3.02
1899.....	4,925,051	10,283,497	2.09	1936*.....	15,220,182	45,791,934	3.00
1900.....	5,777,319	13,742,178	2.38				
1901.....	6,486,325	12,659,243	1.96	Total.....	559,981,795	1,651,362,319	2.99
1902.....	7,466,681	15,210,877	2.04				

*For the years 1919-1936 the tonnage shown is the total output from all mines; for previous years the tonnage shown includes only sales, colliery consumption, and coal used by the operators.

Table 2.—Output of Coal in Canada, by Grades, 1918-1936

Calendar year	Anthracite		Bituminous		Sub-Bituminous*		Lignite		Total	
	Short tons	Value	Short tons	Value	Short tons	Value	Short tons	Value	Short tons	Value
		\$		\$		\$		\$		\$
1918.....	115,405		11,636,190				3,226,331		14,977,926	55,192,896
1919.....	85,579		10,892,046				2,941,471		13,919,096	55,622,670
1920.....	127,513		13,122,924				3,696,327		16,945,764	62,196,538
1921.....	96,064	330,699	11,680,477	58,848,444			3,280,652	13,272,513	15,057,493	72,451,656
1922.....	40,417	122,538	11,630,488	53,348,507			3,486,526	12,017,452	15,157,431	65,518,467
1923.....	107	322	12,941,877	59,478,670	466,492	1,399,424	3,582,095	12,189,570	16,994,571	72,058,986
1924.....			9,483,732	40,662,894	590,168	1,761,086	3,564,297	11,170,008	13,638,197	53,593,988
1925.....			8,639,607	36,793,501	570,654	1,731,267	3,624,707	10,737,182	13,134,968	49,261,951
1926.....			12,393,079	49,153,572	489,736	1,458,116	3,595,316	10,268,400	15,478,131	59,875,094
1927.....			13,066,996	49,385,818	596,155	1,784,973	3,823,710	10,696,672	17,426,861	61,867,463
1928.....			12,971,741	50,584,108	740,496	2,076,212	3,852,053	11,097,512	17,564,293	63,757,833
1929.....			12,859,822	49,995,261	668,702	1,908,954	3,968,033	11,160,955	17,496,557	63,065,170
1930.....			10,824,839	41,789,061	603,358	1,705,238	3,453,127	9,355,451	14,881,324	52,840,748
1931.....			8,861,360	33,165,730	471,343	1,211,107	2,910,508	6,830,755	12,243,211	41,207,682
1932.....			7,714,279	28,073,744	560,902	1,329,316	3,463,732	7,714,635	11,738,913	37,117,695
1933.....			7,979,283	27,757,150	554,118	1,274,017	3,369,943	6,892,795	11,903,344	35,923,962
1934.....			10,058,782	34,356,274	537,508	1,256,036	3,213,903	6,432,732	13,810,193	42,045,942
1935.....			9,748,841	33,150,781	566,425	1,410,928	3,572,740	7,401,403	13,888,066	41,963,110
1936.....			10,796,135	36,256,347	560,235	1,432,741	3,866,812	8,102,840	15,220,182	45,791,934

*Not separately reported prior to 1923.

Table 3.—Output and Value of Coal in Canada, by Kinds and by Provinces, 1935 and 1936

(Short tons)

Province	1935			1936		
	Number of mines	Quantity	Value	Number of mines	Quantity	Value
			\$			\$
NOVA SCOTIA (Bituminous).....	39	5,822,075	20,391,227	39	6,649,102	22,973,281
NEW BRUNSWICK (Bituminous).....	22	346,024	1,129,019	27	368,618	1,190,032
MANITOBA (Lignite).....	2	3,106	7,408	2	4,029	9,525
SASKATCHEWAN (Lignite).....	*158	921,785	1,293,668	*161	1,020,792	1,463,680
ALBERTA—						
Bituminous.....	16	2,248,620	6,583,542	17	2,288,734	6,597,323
Sub-bituminous.....	19	566,425	1,410,926	18	566,235	1,432,741
Lignite.....	†278	2,647,849	6,100,327	†266	2,841,991	6,629,641
Total.....	313	5,462,894	14,094,795	301	5,696,960	14,659,705
BRITISH COLUMBIA (Bituminous).....	21	1,331,287	5,043,510	22	1,489,171	5,493,425
YUKON (Bituminous).....	1	835	3,483	1	510	2,296
CANADA—						
Bituminous.....	99	9,748,841	33,150,781	106	10,796,135	36,256,347
Sub-bituminous.....	19	566,425	1,410,926	18	566,235	1,432,741
Lignite.....	438	3,572,740	7,401,403	429	3,866,812	8,102,846
Total.....	556	13,888,006	41,963,110	553	15,229,182	45,791,934

* Exclusive of 35 small mines in operation during part of 1935 and 47 small mines operating during part of 1936.

† Exclusive of 8 small mines operated under special permits in 1935 and 31 small mines in 1936.

Table 4.—Output of Coal from Canadian Mines, by Months, 1932-1936

(Short tons)

Month	1932	1933	1934	1935	1936
January.....	1,188,467	1,038,843	1,290,708	1,520,325	1,391,288
February.....	1,230,218	1,049,897	1,009,996	1,018,092	1,492,431
March.....	1,050,670	825,023	1,031,525	1,038,668	1,028,417
April.....	739,534	670,633	815,015	892,896	937,740
May.....	697,764	677,859	1,005,221	926,493	999,754
June.....	793,868	698,951	982,952	930,093	1,036,224
July.....	651,911	675,264	991,167	981,080	1,064,843
August.....	727,075	894,837	1,097,064	987,846	1,056,032
September.....	934,191	1,140,978	1,305,798	1,118,198	1,448,051
October.....	1,268,028	1,579,351	1,562,917	1,558,683	1,808,166
November.....	1,253,947	1,346,878	1,429,128	1,622,322	1,467,155
December.....	1,203,240	1,304,830	1,288,702	1,293,310	1,497,081
Total.....	11,738,913	11,903,344	13,810,193	13,888,006	15,229,182

Table 5.—Output and Value of Coal in Canada, by Kinds and by Months, 1936

Month	Bituminous		Sub-Bituminous		Lignite		Total	
	Short tons	Value	Short tons	Value	Short tons	Value	Short tons	Value
		\$		\$		\$		\$
January.....	776,427	2,693,662	64,801	167,400	550,060	1,152,839	1,391,288	4,013,901
February.....	794,590	2,779,024	65,300	169,224	632,541	1,364,484	1,492,431	4,312,712
March.....	754,847	2,564,329	47,779	118,544	225,791	436,771	1,028,417	3,119,614
April.....	746,973	2,481,148	34,432	73,776	156,335	299,025	937,740	2,863,919
May.....	892,152	2,842,629	27,165	66,460	80,437	135,408	999,754	3,041,497
June.....	937,466	2,948,400	22,353	55,538	78,405	134,007	1,038,221	3,137,915
July.....	969,728	3,287,908	16,618	43,402	78,497	133,425	1,064,843	3,461,735
August.....	883,706	2,984,532	33,875	86,268	138,451	293,161	1,056,032	3,237,961
September.....	1,016,070	3,431,587	52,367	134,969	379,608	837,755	1,448,051	4,401,311
October.....	1,096,612	3,681,012	67,867	175,908	643,687	1,435,359	1,908,166	5,292,279
November.....	986,440	3,311,990	67,564	171,107	413,151	860,222	1,467,153	4,349,319
December.....	941,118	3,250,126	66,114	170,145	489,849	1,024,419	1,497,081	4,444,681
Total.....	10,796,135	36,256,347	566,235	1,432,741	3,866,812	8,102,846	15,229,182	45,791,934

Table 6.—Tonnage Lost in the Coal Mines of Canada, in 1935 and 1936 Showing, by Provinces, the Relative Percentages Produced and Lost with an Analysis of the Percentage Lost.

Province	Per cent produced	Per cent lost	Percentage lost through				
			Absentee-ism	Lack of orders	Car shortage	Mine disability	Other causes
NOVA SCOTIA.....							
1935.....	71	29	0.8	27.1	0.0	0.4	0.7
1936.....	70	30	1.1	27.1	0.0	0.8	1.0
NEW BRUNSWICK.....							
1935.....	75	25	4.2	20.2	0.0	0.4	0.2
1936.....	74	26	2.4	22.4	0.0	0.7	0.5
MANITOBA.....							
1935.....	64	36	0.0	36.0	0.0	0.0	0.0
1936.....	67	33	0.0	33.0	0.0	0.0	0.0
SASKATCHEWAN.....							
1935.....	67	33	0.0	32.8	0.0	0.2	0.0
1936.....	74	26	0.0	25.3	0.0	0.3	0.4
ALBERTA.....							
1935.....	70	30	0.2	29.4	0.1	0.1	0.2
1936.....	70	30	0.3	29.4	0.1	0.0	0.2
BRITISH COLUMBIA.....							
1935.....	76	24	0.1	23.7	0.1	0.0	0.1
1936.....	81	19	0.1	17.9	0.3	0.0	0.7
Canada.....							
1935.....	70	30	0.7	28.4	0.1	0.3	0.5
1936.....	71	29	0.8	27.0	0.1	0.4	0.7

Table 7.—Tonnage Lost in the Coal Mines of Canada Showing, by Months, the Relative Percentage Produced and Lost with an Analysis of the Percentage Lost in 1936

Month	Per cent produced	Per cent lost	Percentage lost through				
			Absentee-ism	Lack of orders	Car shortage	Mine disability	Other causes
January.....	71	29	0.8	27.1	0.1	0.5	0.4
February.....	75	25	0.8	23.3	0.1	0.4	0.4
March.....	58	42	1.0	41.0	0.0	0.0	0.0
April.....	59	41	0.7	39.4	0.1	0.1	0.7
May.....	69	31	0.6	29.4	0.0	0.3	0.7
June.....	69	31	0.7	29.0	0.1	0.7	0.5
July.....	71	29	0.6	28.0	0.1	0.1	0.2
August.....	66	34	0.7	31.7	0.0	0.8	0.8
September.....	82	18	0.6	15.8	0.3	0.5	0.8
October.....	83	17	0.9	14.9	0.2	0.3	0.7
November.....	76	24	0.5	22.7	0.0	0.2	0.6
December.....	71	29	0.8	27.2	0.0	0.3	0.7
Total.....	71	29	0.8	27.0	0.1	0.4	0.7

Table 8.—Disposition of Coal from Canadian Mines, 1935 and 1936

	1935			1936						
	Total coal	Total value	Average value per ton	Run-of-mine	Lump	Nut and other grades	Slack	Total coal	Total value	Average value per ton
	Tons	\$	\$	Tons	Tons	Tons	Tons	Tons	\$	\$
Supplied to employees for domestic consumption	184,891	540,651	2.92	126,990	49,231	6,129	948	183,298	518,615	2.83
Used for power purposes—										
(a) Shops.....	89,879	302,549	3.37	1,721	317	19,764	70,717	92,519	369,428	3.99
(b) Colliery boilers.....	553,279	1,458,243	2.64	121,539	6,433	58,134	378,163	564,269	1,461,518	2.59
(c) Companies' railroads.....	62,440	228,651	3.66	41,253	10,993	7,096	.....	59,342	215,060	3.62
(d) Harbour tugs and dredges.....	353	790	2.24	1,306	.....	.....	.....	1,306	4,271	3.27
Shipped. (See Table 10) —										
(a) Ships' bunkers.....	427,850	.....	.....	278,194	96,174	44,073	2,141	420,582	.....	.....
(b) Railroads.....	3,891,002	39,205,653	3.09	2,675,006	569,162	28,295	64,990	3,337,459	42,422,160	3.06
(c) Other.....	8,357,507	.....	.....	904,169	3,779,342	1,470,143	3,938,613	10,092,267	.....	.....
Used in making coke at colliery.....	139,872	317,533	2.27	.....	.....	.....	149,713	149,713	352,704	2.36
Used in making briquettes.....	17,621	57,012	3.23	.....	.....	.....	19,471	19,471	63,281	3.25
Put on bank.....	1,347,492	4,497,534	3.34	488,674	145,686	20,249	702,443	1,357,052	4,402,204	3.24
Put on waste heap.....	204,182	.....	.....	.....	.....	.....	.....	216,429	.....	.....
Total disposition.....	15,276,368	46,689,616	3.05	4,638,852	4,657,338	1,653,883	5,327,205	16,493,787	49,809,361	3.01
Lifted from bank.....	1,383,079	4,645,506	3.36	125,851	442,291	19,034	668,400	1,255,036	4,017,427	3.20
Lifted from waste heap.....	5,283	.....	.....	.....	.....	.....	.....	8,889	.....	.....
Total output.....	13,888,006	41,961,116	3.02	4,513,001	4,215,047	1,634,819	4,658,745	15,229,182	45,791,934	3.01

Table 9.—Disposition of Coal from Canadian Mines, by Provinces, 1936

(Short tons)

	Nova Scotia	New Brunswick	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon	Canada
Supplied to employees for domestic consumption.....	117,264	3,887	.....	3,031	41,927	17,187	2	183,298
Coal shipped. (See Table 10).....	6,001,760	361,450	3,856	967,608	5,314,521	1,201,038	75	13,850,308
Used under colliery boilers, etc.....	276,806	2,333	173	23,159	149,556	112,232	10	564,269
Used by companies' railroads.....	40,699	1,240	.....	7,844	6,674	2,885	.....	59,342
Used for manufacture of coke at colliery.....	.....	.....	.....	.....	97,353	52,360	.....	149,713
Used in making briquettes.....	.....	.....	.....	.....	19,471	.....	.....	19,471
Used in shops, etc.....	92,519	.....	.....	.....	.....	.....	.....	92,519
Used by harbour tugs and dredges.....	1,306	.....	.....	.....	.....	.....	.....	1,306
Put on bank.....	1,225,545	17,984	.....	6,204	55,972	51,172	175	1,357,052
Put on waste heap.....	26,030	709	.....	17,271	79,771	92,375	273	216,429
Total disposition.....	7,781,929	387,003	4,029	1,025,117	5,765,245	1,520,249	535	16,493,787
Lifted from bank.....	1,131,162	18,985	.....	4,325	61,181	39,958	25	1,255,636
Lifted from waste heap.....	1,665	.....	.....	.....	7,104	120	.....	8,889
Total output.....	6,649,102	368,618	4,029	1,020,792	5,696,960	1,489,171	519	15,229,182

Table 10.—Shipments of Coal from Canadian Mines, by Grades and Destinations, 1935 and 1936

(Short tons)

Destination	1935					1936					
	Run-of-mine	Lump	Nut and other grades	Slack	Total	Run-of-mine	Cobble	Lump	Nut and other grades	Slack	Total
Prince Edward Island.....	10,288	50,834		10,172	71,294	5,948		49,073	4,343	11,333	70,697
Nova Scotia.....	144,045	353,068		756,307	1,254,020	151,325		332,637	20,705	841,905	1,346,632
New Brunswick.....	110,075	85,345		270,407	466,427	171,060		90,840	12,582	299,313	582,795
Quebec.....	16,463	546,103		1,106,752	1,759,338	39,804		1,104,770	154,669	1,590,045	2,889,288
Ontario.....	490	55,233	10,075	20,359	86,157	1,284	135	77,384	21,307	30,205	130,315
Manitoba.....	75,286	300,392	218,358	340,914	943,950	54,640	83,378	251,452	278,937	318,231	986,638
Saskatchewan.....	223,887	813,166	344,305	219,374	1,600,732	208,006	107,490	787,417	423,666	247,854	1,771,133
Alberta.....	193,981	477,630	292,374	252,173	1,216,158	227,574		512,553	302,730	283,165	1,326,022
British Columbia.....	18,158	414,899	114,446	141,055	688,558	29,856		238,926	223,576	205,887	668,245
Yukon.....			310		310				75		75
Northwest Territories.....											
Total domestic shipments.....	793,293	3,106,270	919,868	3,207,513	8,086,944	889,497	191,003	3,454,052	1,442,590	3,827,008	9,865,140
Railroads— In Canada.....	2,588,061	1,136,573	21,552	116,936	3,863,122	2,663,368		565,164	27,832	64,996	3,221,360
In United States.....	10,571				10,571	11,638		326	463		12,427
In Newfoundland.....		17,309			17,309			6,386			6,386
Ships' bunkers.....	275,189	135,781	15,056	1,824	427,850	278,194		96,174	44,073	2,141	420,582
Total railroads and ships' bunkers.....	2,873,821	1,289,663	36,608	118,760	4,318,852	2,953,200		668,060	72,368	67,137	3,760,755
United States.....	5,368	25,295	14,126	74,415	119,204	2,082		23,880	27,428	110,367	161,366
Alaska.....		14,895	318		15,213			12,588	125		12,713
Newfoundland.....	12,922	108,969		9	121,900	11,839		91,632		248	103,719
Other countries.....	125	7,401			7,526	151		3,464			3,615
Lost at sea.....		6,720			6,720						
Total external shipments.....	18,415	163,280	14,444	74,424	270,563	14,072		131,573	27,553	110,615	281,413
Total.....	3,085,529	4,559,213	1,039,920	3,460,697	12,676,359	3,537,369	191,003	4,253,675	1,542,511	1,065,759	13,850,308

Table 11.—Exports of Canadian Coal, 1873-1936

(Compiled in the External Trade Branch)

Calendar year	Short tons	Value	Calendar year	Short tons	Value	Calendar year	Short tons	Value
		\$			\$			\$
1873.....	420,683		1894.....	1,103,694		1915.....	1,766,543	5,406,058
1874.....	310,988		1895.....	1,011,235		1916.....	2,135,359	7,090,387
1875.....	250,348		1896.....	1,106,661		1917.....	1,733,359	7,387,192
1876.....	248,638		1897.....	986,130		1918.....	1,817,195	9,405,423
1877.....	301,317		1898.....	1,150,029		1919.....	2,070,650	12,438,885
1878.....	327,959		1899.....	1,293,169		1920.....	2,558,174	18,014,890
1879.....	306,648		1900.....	1,787,777		1921.....	1,987,251	13,890,370
1880.....	432,188		1901.....	1,573,681		1922.....	1,818,682	14,159,060
1881.....	395,392		1902.....	2,090,268		1923.....	1,654,400	10,661,399
1882.....	412,082		1903.....	1,954,629		1924.....	773,240	4,836,848
1883.....	486,811		1904.....	1,557,412		1925.....	785,910	4,329,173
1884.....	474,405		1905.....	1,635,287		1926.....	1,028,200	5,739,436
1885.....	427,917		1906.....	1,835,041		1927.....	1,113,330	5,890,259
1886.....	520,705		1907.....	1,894,074		1928.....	863,941	4,469,999
1887.....	580,065		1908.....	1,720,833		1929.....	842,972	4,375,328
1888.....	588,627		1909.....	1,588,099		1930.....	624,512	3,345,908
1889.....	565,316		1910.....	2,377,049		1931.....	359,853	1,909,922
1890.....	724,490		1911.....	1,500,639		1932.....	285,487	1,433,036
1891.....	971,259		1912.....	2,127,133		1933.....	259,233	1,188,225
1892.....	823,733		1913.....	1,562,020	3,951,351	1934.....	306,335	1,400,978
1893.....	900,312		1914.....	1,423,126	3,780,175	1935.....	418,391	1,906,647
						1936.....	411,574	1,792,584
						Total.....	69,532,652	

Table 12.—Exports of Canadian Coal from Eastern and Western Canada, 1932-1936

(Short tons)

	1932	1933	1934	1935	1936
Eastern Canada.....	159,487	171,814	212,151	295,012	277,240
Western Canada.....	126,000	87,419	94,184	123,379	134,234
Total.....	285,487	259,233	306,335	418,391	411,574

Table 13.—Exports of Canadian Coal, by Destinations, 1934-1936

(Compiled in the *External Trade Branch*)

Destination	1934		1935		1936	
	Short tons	Value	Short tons	Value	Short tons	Value
BRITISH EMPIRE		\$		\$		\$
United Kingdom.....	21,158	112,658	35,413	206,996	30,867	169,122
Irish Free State.....	1,865	9,437	1,837	9,224	8,781	43,450
British South Africa.....	6,989	34,102	3,832	18,597	3,174	15,380
Bermuda.....	1,094	5,223	804	3,934	1,569	7,583
British Guiana.....			2,193	10,243		
British West Indies—						
Barbados.....	1,235	5,623				
Jamaica.....	200	1,500			52	364
Trinidad and Tobago.....	970	4,553	1,079	5,395		
Other British West Indies.....	1,184	5,516				
Gibraltar.....					2,098	10,385
Newfoundland.....	102,544	470,969	128,169	577,241	94,314	429,107
Sierra Leone.....	1,111	5,187	4,583	22,296	6,804	31,743
Australia.....	22,126	135,220	15,891	95,666	7,773	47,097
New Zealand.....	5,004	22,618	13,320	62,338	12,318	57,736
Total British Empire.....	165,480	812,501	207,121	1,011,930	167,750	811,967
FOREIGN COUNTRIES						
Argentina.....			5,559	26,584	5,696	26,338
Belgium.....	2,415	11,849	2,433	12,216	7,708	37,922
Brazil.....			1,420	6,765		
Chile.....	994	4,647				
China.....	834	4,916	3,473	25,395	1,225	9,187
Cuba.....	1,896	8,890	2,527	12,203	1,880	9,242
Denmark.....			1,308	6,453	298	1,478
Finland.....					471	2,355
France.....	5,150	25,976	4,699	24,207	3,144	15,916
French Possessions—						
French Africa.....			123	615		
St. Pierre and Miquelon.....	1,325	7,241	4,448	19,298	5,192	23,947
Germany.....					1,584	7,773
Greece.....			314	1,570	1,203	5,902
Iceland.....					300	1,488
Italy.....			2,800	14,165	1,504	7,481
Japan.....	1,614	7,458	982	7,365	1,038	7,481
Morocco.....					2,107	10,159
Netherlands.....	2,394	11,739	1,713	8,394	1,925	9,457
Norway.....			2,689	12,534	3,434	17,117
Panama.....	1,063	4,784				
Peru.....			252	1,259		
Poland and Danzig.....	305	1,449	424	2,120	405	1,986
Russia (U.S.S.R.).....	2,400	18,000				
San Domingo.....	297	1,473	623	2,991		
Spain.....	199	995	267	1,330		1,895
Sweden.....	185	925	280	1,392	563	2,789
United States.....	107,162	396,728	161,804	611,990	193,646	714,695
Alaska.....	12,622	81,407	12,889	94,656	10,122	66,009
Puerto Rico.....			243	1,215		
Total foreign countries.....	140,855	588,477	211,270	894,717	243,824	980,617
Total.....	306,335	1,400,978	418,391	1,906,647	411,574	1,792,584

IMPORTS

Anthracite coal is exported principally from the following fields: the Pennsylvania in the United States, South Wales and Southwest Scotland in Great Britain; Westphalia in Germany, Donetz Basin in Russia, province of Limburg in the Netherlands, and from anthracite areas in Belgium and French Indo-China.

The table below shows the standard sizes of American anthracite and typical sizes of British and Scotch anthracite as prepared at the mines. This table is so arranged that the sizes of each anthracite are readily comparable.

Table 14.—Sizes of Welsh, Scotch and American Anthracite as Screened at Mines (*)

Welsh	Screens		Scotch	Screens		American	Screens	
	Through	Over		Through	Over		Through	Over
Large.....		6"						
			Chirls	5"	3"	Broken	4½"	3½"
Machine made Cobbles	4"	2½"						
			Cobbles	3"	2"	Furnace, or Egg	3½"	1 11/16"
Screened Cobbles	3"	1½"						
French Nuts	2½"	1½"	Trebles	2½"	1½"			
						Stove	1 11/16"	1½"
Stove Nuts	1½"	1"	Doubles	1½"	1"	Chestnut	1½"	13/16"
Peanuts	1½"	1"						
Beans	1½"	1"						
			Singles	1"	1"	Pea	13/16"	9/16"
Peas	1"	1"	Pearls	1"	1"	Buckwheat No. 1	9/16"	5/16"
			Beans	½"	3/16"			
			Peas	1"	3/16"	Buckwheat No. 2 (Rice)	5/16"	3/16"
Grains	½"	1"						
						Buckwheat No. 3 (Barley)	3/16"	3/32"

(*) From the Report of the Royal Commission on Anthracite Coal.

Table 15.—Comparable Sizes of Welsh, Scotch and American Anthracite as
Retailed in Canada (*)

(Names in brackets are of corresponding size in country of origin.)

Market	Welsh	Scotch	American
Montreal and areas served therefrom	Cobbles..... French Nuts..... Peas (Beans)..... Buckwheat No. 1 (Peas)..... Buckwheat Nos. 1 and 2 (Peas and Grains)	Cobbles..... Domestic (Trebles)..... Peas (Singles)..... Buckwheat No. 1 (Pearls)..... Beans and Peas.....	Egg and Stove Stove Pea Buckwheat No. 1 Buckwheat Nos. 1 and 2
Toronto.....	Cobbles (a mixture of cobbles, French Nuts, Stove Nuts and Peanuts) Blower (a mixture of Beans, Peas and Grains)	..... ..... ..... ..... .....	Egg, Stove and Chestnut Buckwheat Nos. 1 and 2

(*) From the Report of the Royal Commission on Anthracite Coal.

Bituminous coal imports into Canada are obtained, in the main part, from the United States. These importations were supplemented in 1936 by shipments from Great Britain and Germany.

Duties on coal imported into Canada vary. Anthracite coal, except screenings or dust, is brought into this country free under the British preferential tariff but, under the intermediate and general tariff, it is subject to a duty of 50 cents a ton plus the 3 per cent excise tax on imports; bituminous coal is subjected to a duty of 35 cents per ton under the preferential tariff and 75 cents per ton under the intermediate and general tariff.

The Federal Department of National Revenue, in consultation with the Department of Mines and Resources, has fixed the following minimum specification to designate coal to be classed as anthracite for revenue purposes under the Tariff Act:

- (a) That the ratio of fixed carbon to volatile combustible matter must be at least 6 and
- (b) That the coal does not show distinct coking, caking or agglomerating properties. (The latter is regarded as a specific quality of bituminous coal.)

UNITED STATES

Prior to 1922 Canada's anthracite coal supply was obtained almost entirely from the United States; the annual importations at that time ranged from four to six million tons. In succeeding years imports from this source declined materially and during the past five years averaged only 1.66 million tons. The Pennsylvania fields supply practically all the United States anthracite shipped into Canada.

Bituminous coal receipts from the United States reached their peak in 1918 when 17.27 million tons were imported. In 1936 Canada received 10,042,127 tons from this source. Approximately 84.8 per cent of the 1936 imports were cleared through Central Ontario ports—Toronto, Hamilton, Sault Ste. Marie, Windsor, Parry Sound, Sarnia, Chatham and Prescott being the principal customs ports of entry. The bulk of the Canadian imports of bituminous coal is obtained from the Fairmont field, West Virginia, and the Pittsburgh field, Pennsylvania.

GREAT BRITAIN

Strikes in the anthracite producing areas in the United States in 1922 and the possibility in the following year of an embargo being placed on shipments to Canada from that country resulted in Canada turning to Great Britain as a source of future supply. In 1923, approximately 262,000 tons of anthracite coal were imported from Great Britain, however, since that time there has been an appreciable increase in the tonnages drawn from this source until in 1936 imports reached a total of 1,333,602 tons. South Wales was the principal area from which this coal was obtained. Approximately 70 per cent of the coal produced in this field during the past three years was mined by the Amalgamated Collieries, which concern maintains its own selling organization. The remainder was produced by a number of small companies who sold their coal through commission agencies.

The Report of the Royal Commission on Anthracite Coal contains the following interesting references to the Welsh coal industry: "The degree of competition in Wales prior to August, 1936, depended on the co-operation between the Amalgamated Collieries and the selling agencies of the independent producers. Under the Coal Mines Act of 1930, the Board of Trade was given authority, subject finally to the approval of Parliament, to issue orders for the establishment of a centralized selling scheme to regulate production, sales and prices. This scheme went into effect on August 6, 1936, on a nation-wide scale.

"The scheme provides for a Central Council and District Committees. The Central Council is given supervisory power over the District Committees, but does not interfere with the detailed working out of the local district schemes. In South Wales, a sales committee, consisting of a chairman and six members—none of whom is connected with any coal-selling organization—has been brought into existence. Sales will be made by trade organizations as formerly, but all transactions, both internal and export, must be approved by the District Committee. Production is to be regulated on a quota basis. All distributors are to be licensed. Minimum prices for each grade of coal in each market will be fixed by the district committee. The district committee

may fix maximum commissions to be paid any sales organization, jobber or distributor. The district committee is empowered to impose a penalty of 5s. per ton for selling below the minimum price. The committee also has power to make a levy on internal sales for the purpose of assisting the export trade. In case of dispute between the district committee and any individual operator, provision is made for prompt settlement by arbitration from which there is no appeal.

"Contracts concluded prior to August 1, 1936, are not subject to the control of the Central Council, and since these were heavier in 1936 than usual, the new regime is not expected to be effective until the 1937 season.

"This organization, therefore, is having no effect upon current coal prices, but all purchases for 1937 will be subject to its regulations. The effect of this organization on the price of coal shipped to Canada remains to be seen. One thing is clear: that the price control in South Wales under government supervision will be more rigid than exists now in the United States under the organization of the Anthracite Institute."

From twenty to twenty-five anthracite producing companies operate mines in Scotland; all of these are small units. Approximately 90 per cent of the output comes from about 15 of these producers who are members of the Scottish Anthracite Producers' Association, a co-operative marketing organization. The export rights in the products of this Association have been given to the Maris Export and Trading Company. Producers outside the association sell what little anthracite they export through various coal export merchants. The associated group of companies produce about 900,000 tons of anthracite coal annually, of which from 250,000 tons to 300,000 tons is sold in Canada.

GERMANY

With the increased demand in Canada for small sizes of anthracite coal, German coal began to enter this country in appreciable quantities in 1934. During that year, 72,153 tons were imported; in the following year, 205,045 tons were imported and in 1936 imports totalled 359,994 tons. This coal is produced in Westphalia and its best grade is similar to the Big Vein anthracite imported into Canada from Wales. In order to export this coal the producers are required to belong to the Kohlensyndikat, the German Coal Cartel, which operates five selling agencies dealing in the export market. The Sophia Jacoba and Langenbrandt mines are two of the most important shippers to Canada.

FRENCH INDO-CHINA

French Indo-China produces both clinkering and non-clinkering types of anthracite coal. The clinkering type meets the requirements of the Canadian market and there is a comparatively large annual importation of this grade. Freight rates are the controlling factor in the marketing of this coal in Canada as the water haul to Montreal from the point of shipment is about 13,300 miles by way of the Suez Canal and about 15,000 miles by way of the Panama Canal. In 1934 Canada did not receive any coal from French Indo-China; in 1935 imports amounted to 54,447 tons while in 1936 an advance to 88,702 tons was recorded. The Montreal and Toronto areas were the principal consuming centres for this coal. Approximately 65 per cent of the 1936 imports, or 58,051 tons, remained in the Montreal area for consumption while the remainder, or 30,651 tons, were shipped to the Toronto area.

BELGIUM

Canada has been importing Belgian anthracite to a considerable extent since 1934. These importations resulted from the endeavour of a group of apartment house owners in Montreal to find coal for their own use at a lower cost. In 1934 they imported some 12,000 tons. The success of this venture caused them to form a company and a regular import business was established.

The estimated annual production of Belgian anthracite and semi-anthracite coal, during the past three years has been about 5 million tons. The export of this coal is entirely in the hands of the Belgian State Railways, therefore, there is no competition among producers.

Table 16.—Imports of Coal into Canada "Entered for Consumption" 1880-1936

(Compiled in the *External Trade Branch*)

Year	Anthracite coal		Bituminous coal		Bituminous coal dust		Lignite		Total	
	Short tons	Value	Short tons	Value	Short tons	Value	Short tons	Value	Short tons	Value
Fiscal year ending Mar. 31—		\$		\$		\$		\$		\$
1880.....	516,729	1,509,960	547,049	1,220,761	3,565	8,877			1,067,343	2,739,598
1881.....	572,092	2,325,937	587,024	1,741,588	337	666			1,159,453	4,068,171
1882.....	638,273	2,666,356	630,374	1,992,081	471	900			1,275,118	4,659,337
1883.....	751,891	3,344,936	911,629	2,996,198	8,154	10,082			1,671,674	6,351,216
1884.....	868,000	3,831,283	1,118,615	3,613,470	12,782	14,600			1,999,397	7,459,353
1885.....	910,324	3,909,844	1,011,875	3,197,539	20,185	20,412			1,942,381	7,127,795
1886.....	995,425	4,028,050	930,949	2,591,554	36,230	36,096			1,962,604	6,656,600
1887.....	1,100,165	4,423,062	1,149,792	3,126,225	31,401	33,178			2,281,358	7,582,465
1888.....	2,138,027	5,291,875	1,231,234	3,451,661	28,808	34,730			3,398,869	8,728,266
1889.....	1,291,705	5,199,481	1,248,540	3,255,171	39,980	47,139			2,580,225	8,601,791
1890.....	1,201,335	4,595,727	1,409,282	3,528,959	53,104	29,818			2,661,721	8,154,594
1891.....	1,399,067	5,224,452	1,598,855	4,080,896	60,127	38,130			3,058,049	9,321,478
1892.....	1,478,106	5,640,346	1,615,220	4,099,221	82,091	39,849			3,176,417	9,779,407
1893.....	1,500,550	6,355,285	1,603,154	3,967,764	109,585	44,474			3,213,249	10,367,523
1894.....	1,530,522	6,354,040	1,359,509	3,315,094	117,573	49,510			3,007,604	9,718,644
1895.....	1,404,342	5,350,627	1,444,928	3,321,387	181,318	52,221			3,031,588	8,721,235
1896.....	1,574,355	5,667,096	1,538,489	3,299,025	210,386	53,742			3,323,230	9,019,863
1897.....	1,574,295	5,695,168	1,543,476	3,254,217	225,562	59,609			3,226,333	9,008,994
1898.....	1,400,701	5,874,685	1,684,024	3,179,599	229,445	45,556			3,371,170	9,099,836
1899.....	1,745,460	6,490,509	2,171,358	3,691,946	276,547	44,717			4,193,365	10,222,172
1900.....	1,654,101	6,602,812	2,439,764	4,310,964	330,174	98,349			4,421,039	11,012,225
1901.....	1,933,283	7,923,950	2,516,392	4,956,025	414,432	275,559			4,861,107	13,155,534
1902.....	1,652,451	7,021,939	3,047,392	5,712,058	489,548	264,550			5,189,391	12,998,547
1903.....	1,450,713	7,028,664	3,511,412	7,770,717	550,883	420,317	Not separately itemized until 1923	5,519,008	15,728,698	
1904.....	2,275,018	10,461,223	4,053,900	9,108,209	608,041	544,128		6,336,359	20,113,559	
1905.....	2,604,137	12,093,371	4,176,274	8,002,896	650,261	343,456		7,430,672	20,433,723	
1906.....	2,200,863	10,304,308	4,495,550	8,360,348	747,251	489,180		7,443,664	19,153,836	
Calendar year—			Bituminous round run-of-mine		Bituminous slack such as will pass through a 2" screen					
	Short tons	Value	Short tons	Value	Short tons	Value	Short tons	Value	Short tons	Value
1907.....	3,141,873	14,506,129	6,370,152	15,232,445	1,139,256	1,121,949			10,651,281	28,860,523
1908.....	3,160,110	14,478,536	6,025,574	12,516,748	1,111,811	1,355,877			10,297,495	28,359,961
1909.....	3,017,844	13,906,152	5,625,063	11,455,818	1,230,017	1,469,889			9,872,924	26,831,859
1910.....	3,266,235	14,735,062	5,966,466	11,919,341	1,365,281	1,795,598			10,597,982	28,450,001
1911.....	4,020,577	18,791,192	8,905,815	18,407,693	1,632,500	2,090,796			14,558,892	39,292,591
1912.....	4,184,017	20,080,388	8,491,840	16,846,727	1,919,953	2,550,922			14,595,810	39,478,037
1913.....	4,642,057	22,034,839	10,743,473	21,756,658	2,816,423	4,157,622			18,291,953	47,919,119
1914.....	4,435,010	21,241,924	7,776,415	11,954,321	2,509,632	3,605,253			14,721,057	39,801,498
1915.....	4,072,192	18,753,980	6,106,794	7,564,369	2,280,910	2,027,256			12,465,902	28,345,605
1916.....	4,570,815	22,216,363	9,504,552	12,368,679	3,505,236	3,704,624			17,589,603	38,289,666
1917.....	5,320,198	28,109,589	12,407,486	33,712,894	3,129,776	8,739,877			20,857,460	70,562,357
1918.....	4,785,160	26,007,888	13,656,360	37,291,057	3,237,067	8,351,639			21,678,587	71,650,584
1919.....	4,937,095	31,595,694	10,127,965	24,750,717	2,228,197	4,814,388			17,293,257	61,160,799
1920.....	4,982,313	30,773,351	11,548,475	50,908,626	2,312,754	10,451,621			18,843,542	98,633,598
1921.....	4,553,820	40,293,639	11,194,635	41,000,322	2,553,607	7,630,773			15,302,062	88,924,734
1922.....	2,705,752	23,795,140	8,133,366	30,171,375	2,184,407	7,215,010			13,023,525	61,182,428
1923.....	5,165,382	46,457,962	11,933,610	39,511,911	3,898,630	10,387,188	2,331	12,846	20,989,958	96,369,907
1924.....	4,152,558	37,280,910	9,222,019	23,120,128	3,324,195	6,508,515	26,007	117,955	16,724,779	67,027,508
1925*.....	3,782,557	32,096,500	12,548,460 tons		\$26,974,340		18,653	87,832	16,349,671	59,158,681
1926.....	4,192,419	34,202,166	12,376,606 tons		\$25,511,932		10,423	45,567	16,519,448	59,759,665
1927.....	4,107,854	31,282,374	11,568,671 tons		\$20,457,881		10,829	44,254	18,687,351	61,781,599
1928.....	3,748,816	27,680,018	11,345,945 tons		\$20,408,427		10,780	44,247	17,265,511	54,332,692
1929.....	4,019,917	28,809,702	11,170,138 tons		\$27,140,908		14,108	62,508	18,284,168	56,013,268
1930.....	4,256,090	30,098,910	11,497,955 tons		\$26,522,765		18,676	72,601	18,772,721	56,691,366
1931.....	3,162,317	21,067,025	9,952,280 tons		\$15,732,710		6,410	20,603	13,121,007	36,829,338
1932.....	3,148,902	19,312,710	8,807,131 tons		\$12,011,308		3,004	13,701	11,559,037	31,437,809
1933.....	3,015,571	17,610,091	8,185,759 tons		\$10,501,924		2,707	10,176	11,264,437	28,472,191
1934.....	3,500,563	18,414,060	9,471,605 tons		\$16,641,650		2,791	9,661	12,974,959	35,063,380
1935.....	3,442,835	17,445,102	8,630,686 tons		\$15,867,107		5,246	19,040	12,078,767	33,331,249
1936.....	3,418,556	17,897,635	9,700,002 tons		\$17,039,408		4,873	18,347	13,123,431	34,953,390

*Owing to tariff change in 1925 classification of bituminous coal by grades not recorded since that date.

†Includes "coal ex-warehoused for ships' stores."

Table 17.—Imports of Coal into Eastern and Western Canada, 1935

(Short tons)

Destination	Anthracite				Bituminous	Lignite	Total all grades
	Grate, egg, stove, nut, and pea	Screenings or Dust	N.O.P.	Total anthracite			
EASTERN CANADA—							
United States.....	1,473,447	11,144	170,487	1,655,078	8,556,947		10,212,025
Great Britain.....	1,366,049	55,266	31,257	1,452,572	378,598		1,831,170
Germany.....	205,045			205,045			205,045
Belgium.....	67,220			67,220			67,220
French Indo-China.....	54,447			54,447			54,447
Norway.....					285		285
Esthonia.....					55		55
Poland.....					1		1
Total.....	3,166,208	66,410	201,744	3,434,362	8,935,886		12,370,248
WESTERN CANADA*—							
United States.....	10,172		4,835	15,007	611,481	5,246	631,734
Great Britain.....	11		1,938	1,949	2,047		3,996
Alaska.....					43		43
Total.....	10,183		6,773	16,956	613,571	5,246	635,773
Canada—							
United States.....	1,483,619	11,144	175,322	1,670,085	9,168,428	5,246	10,843,759
Great Britain.....	1,366,060	55,266	33,195	1,454,521	380,645		1,835,166
Germany.....	205,045			205,045			205,045
Belgium.....	67,220			67,220			67,220
French Indo-China.....	54,447			54,447			54,447
Norway.....					285		285
Esthonia.....					55		55
Alaska.....					43		43
Poland.....					1		1
Total.....	3,176,391	66,410	208,517	3,451,318	9,549,457	5,246	13,006,021

*Includes Head of Lakes, Manitoba, and points west.

NOTE.—The import data shown in Tables 16 to 23 inclusive, refer to the total tonnage received at Canadian ports whether or not this coal has been cleared from customs during the period.

Table 18.—Imports of Coal into Eastern and Western Canada, 1936

(Short tons)

Destination	Anthracite				Bituminous	Lignite	Total all grades
	Grate, egg, stove, nut, doubles, cobble and treble	Screenings or dust	Peas, beans and smaller sizes, n.o.p.	Total anthracite			
EASTERN CANADA—							
United States.....	1,459,192	7,817	196,693	1,663,702	9,178,552		10,842,354
Great Britain.....	890,720		442,706	1,333,426	146,439		1,479,865
Germany.....	319,119	58	40,816	359,992	9,421		369,415
Belgium.....	37,055		7,488	44,543			44,543
French Indo-China.....	31,103		57,599	88,702			88,702
Norway.....					361		361
Sweden.....					45		45
Denmark.....					124		124
Netherlands.....	8,951		7,280	16,231	35		16,266
Newfoundland.....					256		256
Estonia.....					134		134
Total.....	2,746,140	7,875	752,582	3,506,597	9,335,397		12,841,994
WESTERN CANADA*—							
United States.....	17,722	30	4,394	22,146	863,575	4,747	890,468
Great Britain.....	176			176	1,281		1,457
Germany.....	1			1			1
China.....	1,120			1,120			1,120
Total.....	19,019	30	4,394	23,443	864,856	4,747	893,046
Canada—							
United States.....	1,476,914	7,847	201,087	1,685,848	10,042,127	4,747	11,732,722
Great Britain.....	890,896		442,706	1,333,602	147,720		1,481,322
Germany.....	319,120	58	40,816	359,994	9,421		369,415
Belgium.....	37,055		7,488	44,543			44,543
French Indo-China.....	31,103		57,599	88,702			88,702
Norway.....					361		361
Sweden.....					45		45
Denmark.....					124		124
Netherlands.....	8,951		7,280	16,231	35		16,266
Newfoundland.....					256		256
China.....	1,120			1,120			1,120
Estonia.....					134		134
Total.....	2,765,159	7,905	756,976	3,530,040	10,200,253	4,747	13,735,040

*Includes Head of Lakes, Manitoba, and points west.

Table 19.—Imports of Anthracite and Bituminous Coal into Canada from Great Britain, by Grades and by Provinces, 1935 and 1936

(Short tons)

Destination	1935				1936			
	Anthracite			Bituminous, all grades	Anthracite			Bituminous, all grades
	Grate, egg, stove, nut and pea	Screenings or dust	N.O.P.		Grate, egg, stove, nut, doubles, cobble and treble	Screenings or dust	Peas, beans and smaller sizes, n.o.p.	
Prince Edward Island.....	3,400			4,142	5,224			5,576
Nova Scotia.....	49,477		592	54,506	41,218		2,410	40,910
New Brunswick.....	49,249			22,809	70,327		3,212	22,253
Quebec.....	1,234,266	55,206	30,663	296,281	741,766		417,766	77,670
Central Ontario.....	29,657			860	32,185		19,318	
Head of Lakes.....								
Manitoba.....	11		370	931	176			619
Saskatchewan.....								
British Columbia.....			1,568	1,116				662
Canada.....	1,366,060	55,266	33,195	380,645	890,896		442,706	147,720

Table 20.—Imports of Anthracite, Bituminous and Lignite Coal into Canada from the United States, by Grades and by Provinces, 1935 and 1936

(Short tons)

Destination	1935					1936				
	Anthracite			Bitu- minous, all grades	Lignite	Anthracite			Bitu- minous, all grades	Lignite
	Grate, egg, stove, nut and pea	Screen- ings or dust	N.O.P.			Grate, egg, stove, nut, doubles, cobble and treble	Screen- ings or dust	Peas, beans and smaller sizes n.o.p.		
Prince Edward Island	1,454			125		1,479			111	
Nova Scotia	7,370			48		7,534			2	
New Brunswick	18,885		86	11,989		14,740		339	16,854	
Quebec	247,008	7,951	61,606	459,761		208,196	3	53,446	645,006	
Ontario	1,208,188	3,193	108,795	8,682,867		1,243,593	7,814	142,908	9,361,758	
Manitoba	717		4,754	8,987	396	1,345		4,363	13,482	168
Saskatchewan			49	952	182	27		31	847	20
Alberta				1,136	39				1,205	33
British Columbia			32	2,543	4,629		30		2,801	4,526
Yukon				20					61	
Canada	1,483,619	11,144	175,322	9,168,428	5,246	1,476,914	7,847	201,667	10,042,127	4,747

Table 21.—Imports of Anthracite and Bituminous Coal into Canada from Other Countries, by Provinces, 1935 and 1936

(Short tons)

Destination	Source	1935				1936			
		Anthracite			Bitu- minous, all grades	Anthracite			Bitu- minous, all grades
		Grate, egg, stove, nut and pea	Screen- ings or dust	N.O.P.		Grate, egg, stove, nut, doubles, cobble and treble	Screen- ings or dust	Peas, beans, and smaller sizes, n.o.p.	
Nova Scotia	Germany	3,366				792		3,249	2,321
Quebec	Germany	201,679				318,327	68	37,567	7,100
	Belgium	67,220				37,055		7,488	
	Netherlands					8,951			35
	French Indo- China	24,687				31,103		57,599	
	Norway				285				361
	Sweden								45
	Denmark								124
	Estonia				55				134
	Newfoundland								286
	Poland				1				
Central Ontario	Netherlands							7,280	
	French Indo- China	29,760							
British Columbia	Germany					1			
	Alaska				43				
	China					1,120			
Canada		326,712			384	397,349	68	113,183	10,406

Table 22.—Imports of Anthracite, Bituminous and Lignite Coal into Canada, by Months, 1935 and 1936

(Short tons)

Month	1935				1936			
	United States	Great Britain	Other countries	Total	United States	Great Britain	Other countries	Total
ANTHRACITE—								
January.....	161,808	5,826		167,634	139,917	19,132		159,049
February.....	179,913	11,166		191,079	203,788	22,957		226,745
March.....	121,452	12,687		134,139	143,432	20,163		163,595
April.....	112,013	23,010		135,023	58,256	70,646	130	129,032
May.....	132,589	260,182	20,242	413,013	179,253	207,275	16,474	403,002
June.....	187,513	156,072	30,100	373,685	163,630	227,835	48,900	440,365
July.....	127,911	208,908	48,208	385,027	105,951	197,845	63,577	367,373
August.....	96,292	185,484	37,400	319,176	95,838	129,700	96,227	321,765
September.....	122,316	209,362	40,794	372,472	133,249	136,201	63,929	333,379
October.....	210,143	198,751	08,671	477,565	171,637	159,875	94,887	426,399
November.....	80,511	158,283	64,980	303,774	126,880	106,549	73,025	306,454
December.....	137,624	24,790	16,317	178,731	164,017	35,424	53,441	252,882
Total.....	1,670,085	1,454,521	326,712	3,451,318	1,685,848	1,333,602	510,590	3,530,040
BITUMINOUS—								
January.....	302,074	8,728		310,802	285,633	7,512		293,145
February.....	297,473	5,271		302,744	296,484	6,344		302,828
March.....	379,300	12,922	40	392,262	335,647	6,430		342,077
April.....	509,841	7,090		516,931	346,736	15,156		361,892
May.....	994,117	78,779	1	1,072,897	945,133	13,347	33	958,513
June.....	1,111,413	20,933	165	1,132,511	1,217,789	16,558	209	1,234,556
July.....	980,343	64,880	40	1,045,263	1,028,548	18,972	1,562	1,049,082
August.....	1,169,048	40,485	51	1,209,584	1,208,207	8,991	134	1,217,332
September.....	995,398	57,865	56	1,053,319	1,048,010	10,645	2,447	1,061,102
October.....	797,764	38,182		835,946	1,182,997	23,732	301	1,207,030
November.....	1,024,777	30,692	31	1,055,500	1,275,550	14,665	1,613	1,291,828
December.....	605,880	14,818		620,698	871,393	5,368	4,107	880,868
Total.....	9,168,428	380,645	384	9,549,457	10,042,127	147,730	10,496	10,200,253
LIGNITE—								
January.....	590			590	484			484
February.....	668			668	1,260			1,269
March.....	430			430	588			588
April.....	117			117	222			222
May.....	150			150	83			83
June.....								
July.....	193			193				
August.....	59			59	92			92
September.....	486			486	430			430
October.....	617			617	315			315
November.....	784			784	349			349
December.....	1,152			1,152	915			915
Total.....	5,246			5,246	4,747			4,747

Table 23.—Average Imports of Coal into Quebec and Ontario, by Areas, for the Five Years, 1932-1936

(Short tons)

Area	Total anthracite	Total bituminous	Total all grades
Quebec.....	162,942	53,194	216,136
Montreal.....	1,682,559	714,433	2,396,992
Ottawa.....	110,403	553,816	664,219
Kingston.....	55,329	108,282	163,611
Toronto.....	967,633	4,243,653	5,211,286
Windsor.....	167,675	2,153,413	2,321,088
Northern Ontario.....	25,124	1,459,120	1,484,244
Total..	3,171,665	9,285,911	12,457,576

Table 24.—Average Imports of Coal into Canada, by Kinds and by Provinces, for the Five Years, 1932-1936

(Short tons)

Destination	Total anthracite	Total bituminous	Lignite	Total all grades
Prince Edward Island.....	6,342	3,984		10,326
Nova Scotia.....	58,881	51,995		110,876
New Brunswick.....	92,483	31,408		123,891
Quebec.....	1,849,845	769,991		2,619,836
Central Ontario.....	1,312,921	7,819,282		9,132,203
Head of Lakes.....	11,032	690,638		707,670
Total Ontario.....	1,323,953	8,515,920		9,839,873
Manitoba.....	5,458	12,327	253	18,038
Manitoba and Head of Lakes.....	16,490	708,965	253	725,708
Saskatchewan.....	32	1,164	116	1,312
Alberta.....	16	1,094	16	1,126
British Columbia.....	1,478	7,817	3,314	12,609
Yukon.....		26		26
Canada.....	3,338,488	9,395,726	3,699	12,737,913

Table 25.—Summary Statistics for 1932—Output, Exports, Interprovincial Shipments, Imports and Coal made Available for Consumption in Canada, by Provinces

(Short tons)

Province	Canadian coal				Im-ported from U.S.A.	Im-ported from Great Britain	Im-ported from Germany	Im-ported from French East Indies	Im-ported from Belgium	Im-ported from Newfoundland	Coal available for consumption
	Output	Received from other provinces	Shipped to other provinces	Ex-ported							
PRINCE EDWARD IS- LAND—											
Anthracite.....					2,034	3,865					5,899
Bituminous.....		69,142		70	3,973	2,067					75,112
Total.....		69,142		70	6,007	5,932					81,011
NOVA SCOTIA—											
Anthracite.....					10,177	43,294			650		54,121
Bituminous.....	4,084,581		2,024,831	108,028	59	49,274					2,001,055
Total.....	4,084,581		2,024,831	108,028	10,236	92,568			650		2,055,176
NEW BRUNSWICK—											
Anthracite.....					29,666	78,633					108,299
Bituminous.....	212,695	367,728	2,067	51,315	11,349	15,792					554,182
Total.....	212,695	367,728	2,067	51,315	41,015	94,425					662,481
QUEBEC—											
Anthracite.....					408,005	1,241,704	52,189				1,701,898
Bituminous.....		1,587,423		66	470,781	290,780				2	2,348,920
Sub-bituminous..		135									135
Lignite.....											
Total.....		1,587,558		66	878,786	1,532,484	52,189			2	4,050,953
CENTRAL ONTARIO—											
Anthracite.....					1,223,839	26,919					1,250,758
Bituminous.....		3,031		8	6,913,221	3,001					6,919,245
Sub-bituminous..		5,709									5,709
Lignite.....		21,016									21,016
Total.....		29,756		8	8,137,060	29,920					8,196,728
MANITOBA AND HEAD OF LAKES—											
Anthracite.....					11,808	4,669					16,477
Bituminous.....		201,154		195	766,148						967,107
Sub-bituminous..		63,387									63,387
Lignite.....	1,552	636,622		1,125	156						637,205
Total.....	1,552	901,163		1,320	778,112	4,669					1,684,176
SASKATCHEWAN—											
Anthracite.....											
Bituminous.....		111,889		611	1,459						112,737
Sub-bituminous..		33,858									33,858
Lignite.....	887,139	1,011,895	368,715	2,197	17						1,528,139
Total.....	887,139	1,157,642	368,715	2,808	1,476						1,674,734
ALBERTA—											
Anthracite.....					3						3
Bituminous.....	1,734,705	11,231	225,450	287	830						1,521,029
Sub-bituminous..	560,902		141,837								419,065
Lignite.....	2,575,041		1,385,624	709							1,188,708
Total.....	4,870,648	11,231	1,752,911	996	833						3,128,805
BRITISH COLUMBIA—											
Anthracite.....						2		700			702
Bituminous.....	1,681,490	21,109	120,359	109,713	2,424	1,154					1,476,105
Sub-bituminous..		38,748									38,748
Lignite.....		84,806		11,183	2,831						76,474
Total.....	1,681,490	144,663	120,359	120,876	5,255	1,156		700			1,592,029
YUKON—											
Bituminous.....	808				4						812
Total.....	808				4						812
CANADA—											
Anthracite.....					1,685,532	1,399,086	52,189	700	650		3,138,157
Bituminous.....	7,714,279	2,372,707	2,372,707	270,293	8,170,248	362,068				2	15,976,304
Sub-bituminous..	560,902	141,837	141,837								560,902
Lignite.....	3,463,732	1,754,339	1,754,339	15,194	3,004						3,451,542
Total.....	11,738,913	4,268,883	4,268,883	285,487	9,858,784	1,761,154	52,189	700	650	2	22,126,905

* Shipments to any point in Ontario from western mines.

Table 26.—Summary Statistics for 1933—Output, Exports, Interprovincial Shipments, Imports and Coal made Available for Consumption in Canada, by Provinces

(Short tons)

Province	Canadian coal				Im- ported from U.S.A.	Im- ported from Great Britain	Im- ported from Ger- many	Im- ported from China	Im- ported from Alaska	Coal available for con- sumption
	Output	Received from other provinces	Shipped to other provinces	Ex- ported						
PRINCE EDWARD ISLAND—										
Anthracite.....					678	2,863				3,541
Bituminous.....		63,726			133	1,677				65,536
Total.....		63,726			811	4,540				69,077
NOVA SCOTIA—										
Anthracite.....					7,850	49,785				57,636
Bituminous.....	4,557,590	2,158	2,387,032	116,098	448	59,984				2,117,050
Total.....	4,557,590	2,158	2,387,032	116,098	8,298	109,769				2,174,685
NEW BRUNSWICK—										
Anthracite.....					18,952	76,578				95,530
Bituminous.....	312,303	320,391	5,711	55,716	9,249	10,790	144			691,450
Total.....	312,303	320,391	5,711	55,716	28,201	87,368	144			686,980
QUEBEC—										
Anthracite.....					283,799	1,447,859				1,731,658
Bituminous.....		1,998,953			433,706	244,276				2,676,935
Sub-bituminous..		32								32
Total.....		1,998,985			717,505	1,692,135				4,408,625
CENTRAL ONTARIO—										
Anthracite.....					1,104,155	24,894				1,129,049
Bituminous.....		9,658			7,067,289	1,205				7,076,942
Sub-bituminous..		*19,166								19,166
Lignite.....		*18,347								18,347
Total.....		47,171			8,171,444	26,099				8,244,714
MANITOBA AND HEAD OF LAKES—										
Anthracite.....					14,261	150				14,411
Bituminous.....		215,957		24	569,175	1,178				786,286
Sub-bituminous..		66,256								66,256
Lignite.....	3,890	619,338		1,194	292					622,316
Total.....	3,890	901,551		1,218	583,728	1,328				1,489,269
SASKATCHEWAN—										
Anthracite.....					57					57
Bituminous.....		94,247		21	1,226	101				95,553
Sub-bituminous..		21,707								21,707
Lignite.....	927,649	961,774	876,922	3,692	317					1,509,126
Total.....	927,649	1,077,728	876,922	3,713	1,600	101				1,626,443
ALBERTA—										
Anthracite.....					75					75
Bituminous.....	1,726,256	5,921	240,141	310	998					1,492,724
Sub-bituminous..	564,118		140,196							413,922
Lignite.....	2,438,414		1,286,502	816						1,151,096
Total.....	4,718,788	5,921	1,666,839	1,126	1,073					3,057,817
BRITISH COLUMBIA—										
Anthracite.....					2	3,647		6	2	3,657
Bituminous.....	1,382,272	19,723	97,850	75,295	7,220	18,850				1,254,920
Sub-bituminous..		33,035								33,035
Lignite.....		63,965		6,067	2,098					59,996
Total.....	1,382,272	116,723	97,850	81,362	9,320	22,497		6	2	1,351,608
YUKON—										
Bituminous.....	862				7					869
Total.....	862				7					869
CANADA—										
Anthracite.....					1,429,829	1,605,776		6	2	3,035,613
Bituminous.....	7,979,283	2,730,734	2,730,734	247,464	8,089,451	338,061	144			16,159,475
Sub-bituminous..	554,118	140,196	140,196							554,118
Lignite.....	3,369,943	1,663,424	1,663,424	11,769	2,707					3,360,881
Total.....	11,903,344	4,534,354	4,534,354	259,233	9,521,987	1,943,837	144	6	2	22,110,687

* Shipments to any point in Ontario from western mines.

Table 27.—Summary Statistics for 1934—Output, Exports, Interprovincial Shipments, Imports and Coal made Available for Consumption in Canada, by Provinces

(Short tons)

Province	Canadian coal				Im- ported from U.S.A.	Im- ported from Great Britain	Im- ported from Ger- many	Im- ported from Bel- gium	Im- ported from New- found- land	Im- ported from other coun- tries	Coal available for con- sumption
	Output	Re- ceived from other prov.	Shipped to other prov.	Ex- ported							
PRINCE EDWARD ISLAND—											
Anthracite.....					1,153	9,557					10,710
Bituminous.....		75,688			99	1,992			24		77,803
Total.....		75,688			1,252	11,549			24		88,513
NOVA SCOTIA—											
Anthracite.....					11,677	54,962					66,639
Bituminous.....	6,341,625	165	3,333,420	169,972	678	51,719					2,890,795
Total.....	6,341,625	165	3,333,420	169,972	12,355	106,681					2,957,434
NEW BRUNSWICK—											
Anthracite.....					22,616	79,134					101,750
Bituminous.....	314,750	365,153	13,793	42,128	23,020	12,789					659,791
Total.....	314,750	365,153	13,793	42,128	45,636	91,923					761,541
QUEBEC—											
Anthracite.....					408,915	1,467,416	72,103	17,557	6		1,965,997
Bituminous.....	2,884,609			50	659,566	263,357	50			295	3,807,827
Sub-bituminous.....											
Total.....	2,884,609			50	1,068,481	1,730,773	72,153	17,557	6	295	5,773,824
CENTRAL ONTARIO—											
Anthracite.....					1,345,746	32,165					1,377,911
Bituminous.....		26,162		1	8,509,228						8,535,389
Sub-bituminous.....		*20,357									20,357
Lignite.....		*32,392									32,392
Total.....		78,911		1	9,854,974	32,165					9,966,049
MANITOTA AND HEAD OF LAKES—											
Anthracite.....					14,020						14,020
Bituminous.....		213,054		51	739,778	1,506					954,287
Sub-bituminous.....		70,980									70,980
Lignite.....	4,113	586,512		1,383	253						589,495
Total.....	4,113	870,546		1,434	754,051	1,506					1,628,782
SASKATCHEWAN—											
Anthracite.....											
Bituminous.....		74,567		29	1,123	112					75,773
Sub-bituminous.....		14,165									14,165
Lignite.....	909,288	913,037	381,368	3,925	42						1,437,074
Total.....	909,288	1,001,769	381,368	3,954	1,165	112					1,527,012
ALBERTA—											
Anthracite.....											
Bituminous.....	1,915,800	10,616	227,262	349	1,302						1,700,107
Sub-bituminous.....	537,508		132,703								404,805
Lignite.....	2,300,502		1,204,472	1,014	10						1,095,026
Total.....	4,753,810	10,616	1,564,437	1,363	1,312						3,199,938
BRITISH COLUMBIA—											
Anthracite.....						282					282
Bituminous.....	1,485,969	42,899	118,438	82,290	1,928	42				300	1,330,410
Sub-bituminous.....		27,170									27,170
Lignite.....		53,899		5,127	2,486						51,258
Total.....	1,485,969	123,968	118,438	87,417	4,414	324				300	1,409,120
YUKON—											
Bituminous.....	638			16	37						659
Total.....	638			16	37						659
NORTHWEST TERRITORIES—											
Sub-bituminous.....		31									31
Total.....		31									31
CANADA—											
Anthracite.....					1,804,127	1,643,516	72,103	17,557	6		3,537,309
Bituminous.....	10,058,782	3,692,913	3,692,913	294,886	9,936,759	331,517	50		24	595	20,032,841
Sub-bituminous.....	537,508	132,703	132,703								537,508
Lignite.....	3,213,903	1,585,840	1,585,840	11,440	2,791						3,205,245
Total.....	13,810,193	5,411,456	5,411,456	306,335	11,743,677	1,975,033	72,153	17,557	30	595	27,312,963

* Shipments to any point in Ontario from western mines.

Table 28.—Summary Statistics for 1935—Output, Exports, Interprovincial Shipments, Imports* and Coal made Available for Consumption in Canada, by Provinces

(Short tons)

Province	Canadian coal				Im-ported from U.S.A.	Im-ported from Great Britain	Im-ported from Germany	Im-ported from Belgium	Im-ported from French Indo-China	Im-ported from other countries	Coal available for consumption
	Output	Received from other prov.	Shipped to other prov.	Ex-ported							
PRINCE EDWARD ISLAND—											
Anthracite.....					1,454	3,400					4,854
Bituminous.....		88,998		100	125	4,142					93,165
Total.....		88,998		100	1,579	7,542					98,019
NOVA SCOTIA—											
Anthracite.....					7,370	50,069	3,366				60,805
Bituminous.....	5,822,075	68	3,232,908	232,597	48	54,506					2,411,192
Total.....	5,822,075	68	3,232,908	232,597	7,418	104,575	3,366				2,471,997
NEW BRUNSWICK—											
Anthracite.....					18,971	49,249					68,220
Bituminous.....	346,024	497,914	16,200	62,130	11,989	22,809					800,406
Total.....	346,024	497,914	16,200	62,130	30,960	72,058					868,626
QUEBEC—											
Anthracite.....					316,562	1,320,197	201,679	67,220	24,687		1,930,345
Bituminous.....	2,656,674		920,970	77	459,761	296,281				841	2,492,010
Sub-bituminous.....											
Total.....	2,656,674		920,970	77	776,323	1,616,478	201,679	67,220	24,687	841	4,422,355
CENTRAL ONTARIO—											
Anthracite.....					1,310,721	29,657		29,760			1,370,138
Bituminous.....	1944,098			108	8,085,024	860					9,029,874
Sub-bituminous.....	123,961										23,861
Lignite.....	142,068										42,068
Total.....	1,010,127			108	9,395,745	30,517		29,760			10,466,041
MANITOBA AND HEAD OF LAKES—											
Anthracite.....					14,926	381					15,307
Bituminous.....		232,328		213	606,830	931					839,876
Sub-bituminous.....		69,372									69,372
Lignite.....	3,106	639,264		390	396						642,376
Total.....	3,106	940,964		603	622,152	1,312					1,566,931
SASKATCHEWAN—											
Anthracite.....					49						49
Bituminous.....		68,754		263	952						69,443
Sub-bituminous.....		16,005									16,005
Lignite.....	921,785	1,049,298	408,836	3,130	182						1,559,299
Total.....	921,785	1,134,057	408,836	3,393	1,183						1,644,796
ALBERTA—											
Anthracite.....											
Bituminous.....	2,248,620	11,281	303,462	438	1,136						1,957,117
Sub-bituminous.....	566,425		149,065								417,360
Lignite.....	2,617,849		1,392,657	1,110	39						1,254,121
Total.....	5,462,894	11,261	1,845,184	1,548	1,175						3,628,598
BRITISH COLUMBIA—											
Anthracite.....					32	1,568					1,600
Bituminous.....	1,331,287	104,060	130,615	111,822	2,543	1,116				43	1,196,612
Sub-bituminous.....		39,727									39,727
Lignite.....		70,863		5,985	4,029						69,507
Total.....	1,331,287	214,650	130,615	117,807	7,204	2,684				43	1,307,446
YUKON—											
Bituminous.....	835			28	20						827
Total.....	835			28	20						827
CANADA—											
Anthracite.....					1,670,085	1,454,521	205,045	67,220	54,447		2,451,318
Bituminous.....	9,748,841	4,604,155	4,604,155	407,778	9,168,428	380,645				384	18,890,522
Sub-bituminous.....	566,425	149,065	149,065								566,425
Lignite.....	3,572,740	1,801,493	1,801,493	10,615	5,246						3,567,371
Total.....	13,888,000	6,554,713	6,554,713	418,391	10,843,759	1,835,166	205,045	67,220	54,447	384	26,475,634

*Direct imports into each province. See text for interprovincial shipments of imported coal.

†Nova Scotia coal ‡Shipments to any point in Ontario from western mines.

Table 29.—Summary Statistics for 1936—Output, Exports, Interprovincial Shipments, Imports and Coal made Available for Consumption in Canada, by Provinces

(Short tons)

Province	Canadian coal				Im- ported from U.S.A.	Im- ported from Great Britain	Im- ported from Ger- many	Im- ported from Bel- gium	Im- ported from French Indo- China	Im- ported from Other coun- tries	Coal available for con- sumption
	Output	Received from other provinces	Shipped to other provinces	Ex- ported							
PRINCE EDWARD ISLAND—											
Anthracite.....					1,479	5,224					6,703
Bituminous.....		82,559		5	111	5,576					38,241
Total.....		82,559		5	1,590	10,800					94,544
NOVA SCOTIA—											
Anthracite.....					7,534	43,628	4,041				55,203
Bituminous.....	6,649,102		3,861,460	202,503	2	40,940	2,321				2,660,402
Total.....	6,649,102		3,861,460	202,503	7,536	84,568	6,362				2,683,605
NEW BRUNSWICK—											
Anthracite.....					15,079	73,539					88,618
Bituminous.....	368,618	527,678	24,312	74,603	16,854	22,253					836,483
Total.....	368,618	527,678	24,312	74,603	31,933	95,792					925,106
QUEBEC—											
Anthracite.....					261,645	1,159,532	355,952	44,543	88,702	8,951	1,919,325
Bituminous.....	3,241,150		1,011,511	18	645,006	77,670	7,100			985	2,960,382
Sub-bituminous.....											
Total.....	3,241,150		1,011,511	18	906,651	1,237,202	363,052	44,543	88,702	9,936	4,879,707
CENTRAL ONTARIO—											
Anthracite.....					1,377,965	51,503				7,280	1,436,748
Bituminous.....	1,050,490			27	8,516,579						9,567,042
Sub-bituminous.....	21,846										21,846
Lignite.....	49,748			84							49,664
Total.....	1,122,084			111	9,894,544	51,503				7,280	11,075,300
MANITOBA AND HEAD OF LAKES—											
Anthracite.....					22,058	176					22,234
Bituminous.....		260,815		575	858,661	619					1,119,518
Sub-bituminous.....		76,449									76,449
Lignite.....	4,029	665,635		545	168						669,287
Total.....	4,029	1,002,897		1,120	880,887	795					1,887,488
SASKATCHEWAN—											
Anthracite.....					58						58
Bituminous.....		72,450		398	847						72,899
Sub-bituminous.....		20,756									20,756
Lignite.....	1,020,792	1,159,754	443,013	3,360	20						1,734,193
Total.....	1,020,792	1,252,960	443,013	3,758	925						1,827,906
ALBERTA—											
Anthracite.....											
Bituminous.....	2,288,734	11,424	338,095	666	1,205						1,962,602
Sub-bituminous.....	568,235		157,891								408,344
Lignite.....	2,841,991		1,507,221	1,353	33						1,333,450
Total.....	5,698,960	11,424	2,003,207	2,019	1,238						3,704,396
BRITISH COLUMBIA—											
Anthracite.....					30		1			1,120	1,151
Bituminous.....	1,489,171	131,099	142,195	122,334	2,801	662					1,359,114
Sub-bituminous.....		38,840									38,840
Lignite.....		75,097		5,102	4,526						74,521
Total.....	1,489,171	244,946	142,195	127,436	7,357	662	1			1,120	1,473,626
YUKON—											
Bituminous.....	510			1	61						570
Total.....	510			1	61						570
CANADA—											
Anthracite.....					1,685,848	1,333,602	359,994	44,543	88,702	17,351	3,530,040
Bituminous.....	10,796,135	4,366,062	4,366,062	401,130	10,042,127	147,720	9,421			985	20,595,258
Sub-bituminous.....	568,235	157,891	157,891								568,235
Lignite.....	3,866,812	1,950,234	1,950,234	10,444	4,747						3,861,115
Total.....	15,229,182	6,474,187	6,474,187	411,574	11,732,722	1,481,322	369,415	44,543	88,702	18,336	28,552,648

*Direct imports into each province. See text for interprovincial shipments of imported coal.

Table 30.—Coal Made Available for Consumption in Canada, 1935 and 1936

(Short tons)

Month	1935				1936			
	Output	Imports	Exports	Coal made available for use	Output	Imports	Exports	Coal made available for use
January.....	1,520,325	479,026	28,109	1,971,242	1,391,288	452,678	40,727	1,803,239
February.....	1,018,092	494,491	39,997	1,472,586	1,492,431	530,842	26,836	1,996,437
March.....	1,038,668	526,831	23,648	1,541,851	1,028,417	506,260	40,782	1,493,895
April.....	892,896	652,071	12,868	1,532,099	937,740	491,146	14,765	1,414,121
May.....	926,493	1,486,060	19,599	2,392,154	999,754	1,361,598	23,664	2,337,688
June.....	950,913	1,506,190	33,327	2,402,762	1,038,224	1,674,921	32,639	2,680,506
July.....	981,080	1,430,493	41,961	2,469,602	1,064,843	1,416,455	30,182	2,451,116
August.....	987,816	1,523,819	37,556	2,478,109	1,056,032	1,539,189	33,689	2,561,532
September.....	1,118,138	1,427,277	33,425	2,512,050	1,448,051	1,394,911	34,374	2,808,588
October.....	1,658,683	1,314,128	47,278	2,825,533	1,808,166	1,633,744	36,522	3,405,398
November.....	1,622,322	1,360,058	45,981	2,936,399	1,467,155	1,598,031	47,652	3,018,134
December.....	1,293,310	800,581	54,442	2,039,449	1,497,081	1,134,665	49,742	2,582,004
Total.....	13,888,096	13,006,021	418,391	26,475,636	15,229,182	13,735,040	411,574	28,552,648

CONSUMPTION

The per capita consumption of coal in Canada reached its peak in 1918 when the average quantity consumed per person was 4.268 tons; in the succeeding years there was a considerable annual variation in consumption and the low mark during that period of 2.085 tons was recorded in 1933. During 1936, the consumption per person in Canada was 2.469 tons.

Many reasons have been advanced for the falling-off in the tonnage of coal consumed in recent years. Possibly improvements in the design of fuel burning equipment and in methods of burning have contributed materially to this decline. The following table shows the trend of coal consumption during the period 1902-1936. Table 32 records corresponding data for coke utilization together with an indication of the possible coal displacement through the use of imported coke. Table 33 is the result of a further attempt to arrive at the energy supplied by all mineral fuels and water power in terms of coal. In the case of fuel and gas oils and kerosene the data relate to apparent consumption. Water power and natural gas calculations are based on production. The factors used were calculated on the basis of the average British thermal units of these fuels as compared with 13,000 B.T.U. for bituminous coal.

Table 31.—Annual Consumption of Coal in Canada, 1902-1936

Calendar year	Canadian*		Imported coal "entered for consumption"				Total	Per capita
			From U.S.A.	From Great Britain	Total†			
	Short tons	%	Short tons	Short tons	Short tons	%	Short tons	
1902.....	5,376,413	53.1	4,656,286	101,726	4,734,550	46.9	10,110,972	1.840
1903.....	6,095,735	47.3	6,520,931	184,593	6,678,450	52.7	12,684,185	2.245
1904.....	6,697,183	47.9	7,238,809	85,687	7,297,482	52.1	13,994,665	2.402
1905.....	7,032,661	49.4	7,233,738	68,509	7,215,446	50.6	14,249,107	2.374
1906.....	7,927,560	50.5	7,787,338	67,014	7,758,325	49.5	15,685,885	2.573
1907.....	8,617,352	45.0	10,588,697	54,325	10,549,503	55.0	19,166,855	2.990
1908.....	9,156,478	47.3	10,203,335	97,514	10,195,424	52.7	19,351,902	2.921
1909.....	8,913,376	47.9	9,805,253	67,671	9,711,826	52.1	18,625,202	2.739
1910.....	10,532,103	50.2	10,545,451	51,541	10,437,123	49.8	20,970,226	3.001
1911.....	9,822,749	40.5	14,510,125	48,963	14,424,949	59.5	24,247,698	3.364
1912.....	12,385,696	46.0	14,557,124	38,668	14,549,104	64.0	26,934,800	3.645
1913.....	13,450,158	42.6	18,145,769	37,825	18,132,387	57.4	31,582,545	4.133
1914.....	12,214,403	45.5	14,687,853	33,101	14,637,920	54.5	26,852,323	3.408
1915.....	11,500,480	48.1	12,450,796	15,098	12,406,212	51.9	23,906,692	2.995
1916.....	12,348,036	41.3	17,576,202	4,401	17,517,820	58.7	29,865,856	3.733
1917.....	12,313,603	37.2	20,848,009	9,451	20,810,132	62.8	33,123,735	4.110
1918.....	13,160,731	37.8	21,674,926	3,761	21,611,101	62.2	34,771,832	4.268
1919.....	11,611,168	40.3	17,282,913	344	17,236,269	59.7	28,847,437	3.471
1920.....	14,025,566	42.9	18,752,981	.....	18,668,741	57.1	32,694,307	3.821
1921.....	12,715,734	41.1	18,300,081	1,591	18,258,387	58.9	30,974,121	3.525
1922.....	13,044,352	50.2	12,255,555	765,980	12,902,189	49.8	26,006,541	2.916
1923.....	15,070,962	41.8	20,417,239	572,570	20,907,971	58.2	36,038,933	4.000
1924.....	12,529,358	42.8	16,405,344	317,112	16,714,143	57.2	29,243,501	3.198
1925.....	12,125,290	42.6	15,744,957	604,117	16,331,971	57.4	28,457,261	3.062
1926.....	15,046,296	47.7	16,204,405	287,299	16,505,555	52.3	31,651,851	3.349
1927.....	15,944,983	46.7	17,266,434	907,220	18,177,303	53.3	34,122,286	3.541
1928.....	16,487,507	50.0	15,830,688	682,755	16,515,582	50.0	33,003,389	3.356
1929.....	16,387,461	48.0	16,780,452	843,502	17,724,132	52.0	34,111,593	3.401
1930.....	14,052,671	43.3	16,971,933	1,144,861	18,412,039	56.7	32,464,710	3.180
1931.....	11,682,779	47.7	11,793,798	987,442	12,828,327	52.3	24,511,106	2.362
1932.....	11,212,701	49.0	9,889,866	1,727,716	11,654,402	51.0	22,867,193	2.177
1933.....	11,456,273	51.5	8,865,935	1,942,875	10,808,962	48.5	22,265,235	2.085
1934.....	13,236,406	51.1	10,580,710	1,981,116	12,651,168	48.9	25,887,574	2.392
1935.....	13,306,303	53.1	9,618,518	1,822,500	11,735,835	46.9	25,042,138	2.290
1936.....	14,508,642	53.3	10,801,643	1,498,655	12,719,515	46.7	27,228,167	2.469

*The sum of Canadian coal mine sales, colliery consumption, coal supplied to employees, and coal used in making coke, etc., less the tonnage of coal exported.

†Includes small tonnages from countries other than Great Britain and the United States. Deductions have been made to take account of foreign coal re-exported from Canada and bituminous coal ex-warehoused for ships' stores.

Table 32.—Coke made Available for Consumption in Canada, with the Coal Equivalent of the Imported Coke, 1902-1936

Year	Output	Imports	*Exports	Coke made available for consumption	Coal equivalent of imported coke	
	Tons	Tons	Tons	Tons	Tons	Tons per capita
1902	502,043	286,140	62,568	705,615	409,446	0.075
1903	561,318	258,703	32,608	787,413	398,004	0.069
1904	554,083	239,310	102,403	690,930	368,169	0.063
1905	700,488	470,486	116,071	1,054,903	723,824	0.119
1906	782,055	501,942	37,003	1,246,991	772,218	0.122
1907	842,003	624,649	70,617	1,396,035	960,997	0.147
1908	858,257	426,971	58,708	1,226,520	656,878	0.096
1909	802,011	661,425	74,067	1,449,369	1,017,576	0.146
1910	902,715	737,088	57,971	1,581,832	1,133,980	0.160
1911	935,651	751,389	9,852	1,677,188	1,155,982	0.160
1912	1,411,229	628,174	57,744	1,981,659	966,420	0.132
1913	1,539,499	723,906	68,235	2,186,170	1,113,700	0.147
1914	1,023,860	553,040	67,838	1,509,068	850,839	0.110
1915	1,170,473	637,857	35,869	1,772,461	981,317	0.126
1916	1,469,741	757,116	48,539	2,178,318	1,164,793	0.144
1917	1,245,862	970,106	23,565	2,192,373	1,492,469	0.182
1918	1,350,744	1,165,590	29,612	2,386,722	1,793,213	0.215
1919	1,675,032	383,374	14,709	2,043,697	589,805	0.069
1920	1,708,203	586,406	39,536	2,255,073	902,162	0.104
1921	1,463,999	228,030	20,907	1,671,122	350,815	0.039
1922	1,232,646	376,270	19,831	1,549,085	517,338	0.058
1923	1,668,298	733,004	34,407	2,367,495	1,128,629	0.125
1924	1,436,912	521,725	23,144	1,935,493	802,653	0.087
1925	1,546,739	852,427	25,578	2,373,588	1,311,405	0.141
1926	2,027,058	988,034	41,699	2,973,393	1,520,051	0.161
1927	2,026,438	772,235	74,109	2,724,564	1,188,053	0.123
1928	2,314,127	1,060,029	25,058	3,349,098	1,630,512	0.168
1929	2,677,581	1,226,853	25,208	3,879,226	1,887,464	0.193
1930	2,385,994	1,061,040	29,801	3,417,233	1,632,368	0.164
1931	1,832,700	733,274	20,905	2,545,069	1,128,113	0.109
1932	1,637,701	651,802	15,469	2,274,034	1,002,771	0.095
1933	1,772,164	644,075	5,199	2,411,040	990,884	0.093
1934	2,243,420	930,221	7,396	3,166,245	1,431,108	0.132
1935	2,257,601	532,926	20,649	2,769,881	819,885	0.075
1936	2,404,793	612,858	18,215	2,999,436	942,858	0.085

* Prior to 1925 exports of petroleum coke were included.

Table 33.—Canada's Coal Supply and the Coal Equivalent of Other Mineral Fuels and Water Power Used

(Thousands of short tons)

	Anthracite Imported*	Bituminous		Lignite		Natural Gas (a)	Fuel and Gas Oils (b)	Gasoline Sales (c)	Kerosene (d)	Water Power	
		Canadian†	Imported*‡	Canadian†	Imported*‡					Equivalent	Pounds of coal per kilowatt hour
1927	4,108	12,188	14,059	3,757	11	855	2,314	2,104	360	12,908	1.84
1928	3,749	12,709	12,756	3,779	11	903	2,667	2,797	367	13,821	1.76
1929	4,020	12,485	13,690	3,902	14	1,135	3,205	3,475	328	14,620	1.69
1930	4,256	10,649	14,137	3,404	19	1,175	3,189	3,366	295	14,219	1.62
1931	3,162	8,822	9,660	2,861	6	1,035	2,996	3,219	291	12,461	1.55
1932	3,149	7,806	8,503	3,407	3	937	2,837	2,896	341	11,667	1.50
1933	3,016	8,128	7,791	3,328	3	926	3,012	2,803	265	12,670	1.47
1934	3,501	10,051	9,148	3,185	3	926	3,176	3,091	267	15,289	1.47
1935	3,443	9,783	8,288	3,523	5	990	3,228	3,316	194	10,801	1.46
1936	3,419	10,683	9,296	3,826	5	1,125	3,259	3,608	195	18,210	1.46

*Entered for consumption...

†Sum of sales by Canadian coal mines, colliery consumption, coal supplied to employees and coal used in making coke, etc., less the tonnage exported.

‡Deductions have been made to take account of foreign coal re-exported from Canada and bituminous coal ex-warehoused for ships' stores.

(a) Based on 1 ton of coal=25 M cu. ft.

(b) Based on 1 ton of coal=151 imperial gallons.

(c) Based on 1 ton of coal=173 imperial gallons.

(d) Based on 1 ton of coal=160 imperial gallons.

A table showing the average calorific values of various solid and liquid fuels is given below. This information was supplied by the Fuel Research Laboratories of the Department of Mines and Resources.

Table 34.—Average Calorific Values of Various Solid and Liquid Fuels

	Rough Average B.T.U. Values per Pound*	B.T.U. per Imperial Gallon
British Anthracite—		
Welsh.....	14,300	
Scotch.....	14,000	
Other (European and Asiatic) Anthracites—		
Westphalian.....	14,300	
Belgian.....	14,300	
Russian.....	13,500	
French Indo-China.....	13,200	
American (U.S.A.) Anthracites—		
Pennsylvania (stove size).....	13,200	
Pennsylvania (buckwheat).....	12,900	
U.S.A. Bituminous Coal—		
First Grade—7% Ash (for coke making).....	14,000	
Second Grade—10% Ash (for steam raising).....	13,000	
Canadian Coals—		
Bituminous, 1st grade }.....	14,000	
Bituminous, 2nd grade } Maritime Provinces, British Columbia and Alberta.....	13,000	
Bituminous, 3rd grade }.....	11,000 to 12,000	
Sub-bituminous—Alberta and British Columbia.....	10,000 to 11,500	
Lignite—Domestic—Alberta and British Columbia.....	7,500 to 10,000	
Lignite—Saskatchewan.....	6,500 to 7,500	
Fuel Oil—		
Industrial 0.933 Specific gravity.....	19,000	177,500
Kerosene—Stove Oil—0.819 Specific gravity.....	19,800	162,000
Light Furnace Oil—0.855 Specific gravity.....	19,550	167,000
Gasoline (average for Canada), 0.740 Specific gravity.....	20,250	150,000

*These are rough average values for coals as delivered to the consumer.

Table 35.—Consumption of Fuel by Steam Railways (Freight) in Canada

(Compiled in the Transportation Branch)

Year	Gross Ton Miles	Tons of Fuel Consumed (Freight and Mixed Trains)	Gross Ton Miles per Ton of Fuel*
1927.....	88,351,365,594	5,803,713	15,223
1928.....	101,979,507,137	6,446,442	15,820
1929.....	89,986,014,723	5,777,670	15,575
1930.....	77,570,074,012	4,846,629	16,007
1931.....	66,880,820,445	4,104,608	16,294
1932.....	58,927,616,843	3,641,030	16,184
1933.....	54,352,628,483	3,394,802	16,011
1934.....	62,070,905,065	3,847,166	16,134
1935.....	63,983,126,743	3,903,540	16,391
1936.....	70,218,463,065	4,151,667	16,913

*Represents number of miles one ton of coal would move one ton of freight (including weight of car.).

Table 36.—Annual Consumption of Coal by Railroad Locomotives in Canada, 1911-1936

(Compiled in the *Transportation Branch*)

Year	Anthracite		Bituminous		Total	
	Short tons	Value	Short tons	Value	Short tons	Value
Year ended June 30—		\$		\$		\$
1911.....	6,444		6,769,903		6,776,347	
1912.....	5,374		7,732,938		7,738,312	
1913.....	4,662		9,040,963		9,045,625	
1914.....	5,271		8,268,186		8,273,457	
1915.....	3,691		6,673,845		6,677,536	
1916.....	4,899		8,672,455		8,677,354	
1917.....	4,900		9,783,524		9,788,424	
1918.....	3,283		9,836,623		9,839,906	
1919.....	4,430		9,136,593		9,141,023	
Calendar year—						
1920.....	4,270		10,372,687		10,376,957	
1921.....	9,681		8,784,607		8,794,288	
1922.....	8,721	70,523	9,032,366	67,636,011	9,041,087	57,706,534
1923.....	15,184	97,243	9,925,792	58,489,294	9,940,976	58,586,527
1924.....	12,400	69,496	9,003,116	49,592,428	9,015,516	49,661,924
1925.....	12,809	61,066	8,899,969	44,954,692	8,922,778	45,015,758
1926.....	13,636	61,420	9,294,051	44,111,138	9,307,687	44,172,558
1927.....	12,570	58,857	9,487,390	44,728,524	9,499,960	44,787,381
1928.....	10,798	64,166	10,313,198	47,173,847	10,323,996	47,238,013
1929.....	11,409	70,094	9,628,711	43,130,696	9,640,120	43,200,790
1930.....	7,062	33,249	8,251,167	36,292,562	8,258,229	36,325,811
1931.....	3,336	14,763	6,858,772	29,691,134	6,862,108	29,705,897
1932.....	1,934	7,578	5,955,085	25,101,489	5,957,019	25,109,067
1933.....	1,665	6,490	5,521,052	22,145,931	5,522,717	22,152,421
1934.....	1,625	6,702	6,109,367	26,589,597	6,110,992	25,596,299
1935.....	1,544	6,417	6,144,550	26,333,312	6,146,094	26,339,729
1936.....	1,790	8,627	6,584,233	28,153,451	6,586,023	28,162,078

Table 37.—Average Price per Short Ton of Canadian Coal at the Mines, by Grades, for each District and Province, 1936

District	Run-of-Mine		Lump		Egg		Nut		Pea		Slack	
	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
NOVA SCOTIA—												
Cape Breton.....	4.10	3.20	4.57	3.79			4.90	4.19	3.60	3.50	3.36	2.48
Cumberland.....	4.16	3.39	4.80	4.08	5.79	4.53	5.79	4.53			2.79	2.22
Inverness.....	3.88	3.38	4.43	3.88			3.75	3.25			2.25	1.50
Pictou.....	4.69	3.60	5.79	4.75			6.00	5.50			3.49	2.81
Average.....	4.24	3.38	4.92	4.14	5.79	4.53	5.07	4.33	3.60	3.50	3.03	2.31
NEW BRUNSWICK.....	3.24	2.78	3.89	3.55			3.99	3.81			2.76	2.43
MANITOBA.....			2.75	2.45							1.45	1.45
SASKATCHEWAN.....	1.87	1.77	1.84	1.66	1.36	1.18	1.47	1.24	1.15	0.90	1.11	0.88
ALBERTA—												
Bituminous—												
Cuscuta.....	4.75	3.50	5.58	4.75	4.50	4.50	4.25	4.25	3.75	3.75	3.25	2.50
Crownsnest.....	3.20	2.71	3.77	3.56			3.63	3.03			2.27	1.61
Mountain Park.....	3.86	3.50	4.18	3.78							2.65	2.35
Nordegg.....	3.20	2.25									0.70	0.70
Average bituminous.....	3.50	2.96	4.17	3.81	4.50	4.50	3.75	3.27	3.75	3.75	2.31	1.78
Sub-bituminous—												
Coslipur.....	3.00	2.85	3.82	3.38	3.81	3.50	2.25	1.74	1.88	1.58	1.11	1.04
Morley.....	2.75	2.75	3.00	3.00							1.00	1.00
Pekisko.....	2.79	2.63										
Pincher.....			3.67	3.67	3.50	3.50	3.00	2.50	2.00	2.00	0.75	0.75
Prairie Creek.....	2.96	2.94	4.50	3.75	4.25	4.00	2.50	1.90			1.25	1.15
Saunders.....	4.25	4.00	5.03	4.25	4.50	3.75	2.93	2.13			1.75	1.20
Average sub-bituminous.....	3.11	2.97	3.97	3.59	3.93	3.61	2.51	1.93	1.94	1.79	1.16	1.02
Lignite—												
Ardley.....	2.39	2.17	3.25	2.75	2.40	2.25	2.25	2.20			1.00	0.75
Big Valley.....	2.30	2.15	2.25	2.00			1.00	0.50				
Brooks.....	2.00	2.00	2.75	2.30	2.00	2.00			1.50	1.25	1.00	0.50
Camrose.....	2.00	1.56	2.75	2.21	1.85	1.50	1.84	1.54			0.76	0.50
Carbon.....	2.25	2.16	2.96	2.31	2.49	1.38	1.25	1.00	1.38	1.00	0.86	0.55
Castor.....	1.69	1.57	1.85	1.74			0.75	0.75				
Champion.....			2.90	2.53			1.44	1.25				
Drumheller.....	2.37	2.24	3.46	2.94	2.58	2.27	2.16	1.67	1.19	0.99	0.80	0.48
Edmonton.....	2.61	2.06	3.04	2.63	2.56	1.92	1.89	1.42	1.50	1.35	0.70	0.46
Gleichen.....	2.64	2.50										
Halecourt.....	3.62	3.58	4.10	3.78			2.50	2.50			0.92	0.92
Lethbridge.....	2.75	2.17	2.96	2.80	2.70	2.58	1.94	1.89	1.65	1.35	0.72	0.58
Magrath.....	2.50	2.50										
Milk River.....	2.00	2.00	4.00	3.50								
Pakan.....			2.75	2.75			2.25	2.25				
Pakowki.....	2.50	2.44	2.75	2.75								
Pembina.....	2.80	1.98	3.17	2.50	2.83	2.30	2.00	1.50	1.50	1.50	0.92	0.72
Rodecliff.....	2.00	2.00	2.45	2.33	2.25	2.00					0.75	0.48
Rochester.....			2.75	2.50			1.40	1.10			0.55	0.55
Sexsmith.....	2.00	2.00										
Sheerness.....	1.73	1.55	2.00	1.70	1.75	1.05					0.80	0.48
Taber.....	2.45	2.30	2.86	2.52			1.92	1.92				
Tofield.....	1.67	1.43	2.00	1.88			1.23	1.13	1.00	1.00		
Wetaskiwin.....	2.00	2.00	2.38	2.13			1.50	1.50			0.25	0.25
Whitcourt.....	2.38	2.38										
Area not designated.....	2.20	2.20	3.07	2.75	2.00	1.75					0.50	0.50
Average lignite.....	2.25	2.01	2.96	2.59	2.50	1.98	1.85	1.52	1.31	1.10	0.76	0.51
Average for Alberta.....	2.43	2.17	3.13	2.76	2.72	2.23	2.02	1.67	1.53	1.35	1.00	0.73
BRITISH COLUMBIA—												
Crow's Nest Pass.....	3.25	2.85	5.50	3.75							2.75	1.90
Inland.....	3.96	3.83	4.83	4.68	4.45	4.16	3.65	3.21	2.47	2.05	2.05	1.48
Island.....	5.00	5.00	5.70	4.86	5.80	5.02	4.28	3.83	3.88	3.08	1.68	1.29
Average.....	4.00	3.86	5.25	4.69	4.90	4.45	3.96	3.52	3.18	2.57	1.97	1.44
YUKON.....							10.00	10.00				
Canada.....	2.44	2.19	3.25	2.87	2.88	2.41	2.39	1.95	2.00	1.71	1.37	1.04

Table 38.—Yearly Average Retail Prices of Coal in Canada, by Principal Municipalities, 1934-1936

(Compiled in the *Internal Trade Branch*)

Province and municipality	Anthracite			Bituminous		
	1934	1935	1936	1934	1935	1936
	\$	\$	\$	\$	\$	\$
PRINCE EDWARD ISLAND—						
Charlottetown.....				9-07	8-98	8-91
NOVA SCOTIA—						
Amherst.....				8-10	8-09	7-87
Halifax.....				10-06	10-15	9-92
Truro.....				9-25	9-04	9-00
NEW BRUNSWICK—						
Bathurst.....				9-25	9-25	9-25
Fredericton.....				10-00	10-00	9-83
Moncton.....				10-00	10-26	10-17
St. John.....				11-25	11-15	11-02
QUEBEC—						
Hull.....	15-22	15-10	14-96			
Montreal.....	14-77	13-80	13-48			
Quebec.....	14-29	13-92	13-35			
St. Hyacinthe.....	13-59	12-08	13-01			
St. John.....	13-83	13-75	13-71			
Sherbrooke.....	15-12	14-78	15-27			
Sorel.....	13-90	13-16	12-59			
Three Rivers.....	14-58	13-67	13-96			
ONTARIO—						
Belleville.....	14-58	13-70	13-93			
Brantford.....	14-08	13-88	13-85			
Brockville.....	14-25	14-21	14-00			
Chatham.....	15-87	14-60	14-54			
Fort William.....	14-33	15-62	14-95			
Galt.....	14-70	14-12	14-36			
Guelph.....	14-21	13-92	14-39			
Hamilton.....	13-88	12-96	13-54			
Kingston.....	14-71	14-50	14-00			
Kitchener.....	14-15	14-33	14-54			
London.....	15-02	14-67	14-54			
Niagara Falls.....	12-96	12-82	12-88			
Orillia.....	14-79	14-62	14-79			
Ottawa.....	15-25	14-92	14-96			
Owen Sound.....	14-83	14-81	14-87			
Peterborough.....	14-92	14-58	14-82			
Port Arthur.....	15-98	15-60	14-94			
St. Catharines.....	14-18	13-69	13-66			
St. Thomas.....	14-15	13-94	14-19			
Sault Ste. Marie.....	14-56	14-40	14-21			
Stratford.....	13-96	13-87	14-17			
Toronto.....	13-85	13-67	13-79			
Windsor.....	14-58	14-08	14-67			
Woodstock.....	13-54	13-62	13-96			
MANITOBA—						
Brandon.....				10-32	10-60	10-48
Winnipeg.....				11-03	11-35	11-40
SASKATCHEWAN—						
Moose Jaw.....				8-32	8-31	8-42
Prince Albert.....				9-00	9-00	9-00
Regina.....				9-06	9-55	9-70
Saskatoon.....				8-06	8-56	8-75
ALBERTA—						
Calgary... Drumheller lump.....				7-00	7-00	7-00
Edmonton.....				4-00	4-25	4-31
BRITISH COLUMBIA—						
Nelson.....				10-67	10-41	10-40
New Westminster.....				10-50	10-50	10-50
Prince Rupert.....				11-44	11-95	11-75
Vancouver.....				10-50	10-50	10-50
Victoria.....				10-75	10-75	10-75

Table 39.—Average value of Coal f.o.b. Mines, together with Labour, Fuel and Electricity Costs per ton Raised, by Provinces and by Districts, in 1935 and 1936

	1935			1936		
	Average value per ton of coal raised	Average labour costs per ton raised	Fuel and electricity costs per ton	Average value per ton of coal raised	Average labour costs per ton raised	Fuel and electricity costs per ton
	\$	\$	\$	\$	\$	\$
NOVA SCOTIA—(Bituminous)						
Cape Breton.....	3-394	2-077	-371	3-361	1-976	-336
Cumberland.....	3-718	2-430	-483	3-765	2-449	-487
Inverness.....	3-731	3-005	-607	3-306	2-714	-413
Pictou.....	4-009	2-847	-435	3-905	2-818	-413
Total Nova Scotia.....	3-502	2-216	-395	3-455	2-123	-361
NEW BRUNSWICK—(Bituminous).....	3-263	2-331	-078	3-228	2-276	-084
MANITOBA—(Lignite).....	2-385	0-951	-077	2-364	0-972	-128
SASKATCHEWAN—(Lignite).....	1-403	0-666	-087	1-434	0-679	-082
ALBERTA—						
Bituminous—						
Cascade.....	3-585	2-323	-341	3-527	2-258	-296
Crowsnest.....	2-771	1-814	-175	2-721	1-794	-150
Mountain Park.....	3-027	1-874	-151	3-007	1-844	-160
Nordegg.....	3-188	1-893	-127	3-033	1-903	-101
Total Bituminous.....	2-928	1-871	-176	2-883	1-849	-160
Sub-bituminous—						
Coalspur.....	2-245	1-552	-092	2-293	1-515	-092
Morley.....				2-553	4-146	-049
Pekisko.....	2-485	1-391	-044	2-407	0-342	-091
Pincher.....	2-525	1-423	-014	2-421	1-339	-006
Prairie Creek.....	3-023	0-639	-099	2-896	1-934	-102
Saunders.....	3-649	3-179	-282	3-608	3-094	-227
Total Sub-bituminous.....	2-491	1-480	-105	2-530	1-728	-104
Lignite—						
Ardley.....	2-189	1-298	-032	2-190	1-237	-025
Big Valley.....	2-076	1-728	-146	2-234	1-503	-160
Brooks.....	2-768	1-803		2-752	1-511	
Camrose.....	1-727	1-151	-020	1-823	1-103	-025
Carbon.....	2-030	1-319	-054	1-969	1-293	-048
Castor.....	1-613	0-916	-028	1-568	0-848	-025
Champion.....	2-418	1-310	-020	2-408	1-508	-044
Drumheller.....	2-456	1-557	-077	2-466	1-694	-072
Edmonton.....	2-017	1-456	-069	3-012	1-377	-064
Gleichen.....	2-535	1-277	-072	2-565	1-325	-041
Halcourt.....	3-716	1-860		3-931	2-313	-028
Lethbridge.....	2-938	2-063	-117	2-639	1-964	-112
Magrath.....	2-374	1-779	-016	2-680	1-888	-078
Milk River.....	2-891	1-277		2-743	1-426	-026
Pakan.....	0-502			1-155	0-743	
Pukowki.....	2-289	1-481		2-319	1-128	
Pembina.....	1-736	1-116	-078	1-648	0-959	-049
Redcliff.....	1-932	1-122	-045	1-843	1-076	-037
Rochester.....	2-163	0-958		2-055	0-803	
Sexsmith.....				2-000		
Sheerness.....	1-265	0-533	-010	1-481	-773	-021
Staveville.....						
Taber.....	2-159	1-668	-028	2-192	1-429	
Tofield.....	1-427	0-818	-068	1-544	1-020	-125
Wetaskiwin.....	1-863	0-909		1-779	0-676	
Whitecourt.....	2-187	1-875		2-123	1-350	
Area not designated.....	2-184	1-232	-042	2-202	1-230	-063
Total Lignite.....	2-304	1-506	-074	2-333	1-565	-070
Total Alberta.....	2-580	1-653	-119	2-573	1-695	-110
BRITISH COLUMBIA—(Bituminous)						
Crow's Nest Pass.....	2-873	1-657	-200	2-789	1-544	-191
Inland.....	3-624	2-894	-345	3-735	2-744	-324
Island.....	4-421	2-821	-276	4-262	2-859	-266
Total British Columbia.....	3-788	2-431	-259	3-689	2-391	-247
YUKON—(Bituminous).....	4-171	1-257	-061	4-482	2-822	-059
Canada.....	3-022	1-915	-245	3-007	1-896	-230

Table 40.—Employees, Salaries and Wages in the Coal Mines of Canada, by Provinces, 1936

Province	Average number of employees					Salaries and wages		
	Salaried employees		Wage-earners		Total	Salaries	Wages	Total
	Male	Female	Surface	Under-ground				
						\$	\$	\$
Nova Scotia.....	435	54	2,033	10,848	13,370	825,954	13,291,056	14,117,610
New Brunswick.....	32	6	258	900	1,196	71,121	768,025	839,146
Manitoba.....			4	11	15		3,915	3,915
Saskatchewan.....	55	4	254	593	906	92,972	600,197	693,169
Alberta.....	537	36	2,131	5,923	8,627	1,164,516	8,493,359	9,657,875
British Columbia.....	148	14	830	1,809	2,801	386,890	3,173,091	3,559,981
Yukon.....			1	2	3		1,439	1,439
Canada.....	1,207	114	5,511	20,086	26,918	2,541,453	26,331,682	28,873,135

Table 41.—Employment and Earnings in the Coal Mines of Canada, 1932-1936

—	1932	1933	1934	1935	1936
Average number of wage-earners—					
Surface.....	5,553	5,433	5,426	5,368	5,511
Underground.....	20,044	19,379	19,245	19,463	20,086
Total.....	25,597	24,812	24,671	24,831	25,597
Days' work done—					
Surface.....	1,213,937	1,170,095	1,289,617	1,312,567	1,374,980
Underground.....	3,330,325	3,341,250	3,980,559	4,069,853	4,381,935
Total.....	4,544,262	4,511,345	5,270,076	5,382,520	5,756,915
Average number of days worked per man per year—					
Surface.....	219	215	238	244	249
Underground.....	166	172	207	209	218
By all wage-earners.....	177	182	214	216	225
Total wages paid.....	\$ 22,263,441	\$ 19,901,321	\$ 23,082,986	\$ 24,028,618	\$ 26,331,682

Table 42.—Wage-earners Employed in the Coal Mines of Canada, by Months and by Provinces, 1932-1936

Month and year	Nova Scotia	New Brunswick	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon	Canada
January.....	1932 13,348	680	19	872	9,603	3,985		28,507
	1933 12,219	996	25	1,212	10,015	3,544		28,011
	1934 12,087	1,159	29	1,273	9,534	3,205		27,287
	1935 12,699	1,230	28	1,152	9,661	2,980		27,730
	1936 12,805	1,238	28	1,115	9,352	2,648		27,186
February.....	1932 13,315	721	19	843	9,280	3,973		28,151
	1933 12,139	999	22	1,159	9,371	3,428		27,118
	1934 12,063	1,152	22	1,144	8,562	3,007		25,950
	1935 12,647	1,224	24	1,008	8,669	2,685		26,257
	1936 12,724	1,251	24	1,110	9,288	2,695		27,092
March.....	1932 13,208	654	9	715	7,957	3,807		26,410
	1933 12,012	1,036	14	842	8,066	3,363		25,333
	1934 11,058	1,110	13	909	8,035	2,762		23,847
	1935 12,701	1,236	19	834	7,668	2,483		21,941
	1936 12,810	1,217	23	827	8,300	2,641		25,818
April.....	1932 13,144	582		504	5,485	3,762		23,477
	1933 12,064	979		462	6,238	2,848		22,591
	1934 11,084	1,094		507	6,455	2,874		22,014
	1935 12,668	1,139	2	556	6,291	2,525		23,181
	1936 12,828	1,157	10	554	6,543	2,546		23,638
May.....	1932 13,003	689		359	5,400	3,762	3	23,216
	1933 10,548	989		414	5,650	2,824	3	20,428
	1934 12,002	977		408	5,755	2,834	3	21,979
	1935 12,658	1,111		443	5,527	2,539	3	22,281
	1936 12,803	1,094		409	5,735	2,545	3	22,589
June.....	1932 12,460	694		310	5,208	3,521	3	22,196
	1933 11,875	1,078		390	5,448	2,800	4	21,595
	1934 12,155	987		390	5,714	2,779	3	22,628
	1935 11,759	1,091		425	5,448	2,460	3	21,186
	1936 12,874	1,108		393	5,846	2,531	3	22,755
July.....	1932 12,241	688		428	5,149	3,564	3	22,073
	1933 11,697	1,042		348	5,413	2,826	4	21,330
	1934 12,064	934		399	5,626	2,703	3	21,729
	1935 12,785	1,039		401	5,487	2,464	3	22,179
	1936 12,931	1,078		393	5,712	2,559		22,673
August.....	1932 12,142	678		462	6,397	3,625	2	22,306
	1933 11,821	1,011		505	6,516	2,805	4	22,662
	1934 12,127	948		507	6,705	2,726		23,013
	1935 12,830	1,059		455	6,572	2,253	3	23,172
	1936 12,890	1,071		574	6,981	2,600		24,122
September.....	1932 12,295	719		770	8,388	3,562		25,734
	1933 12,000	1,004	10	1,067	8,679	2,915		25,675
	1934 12,271	924		1,094	8,672	2,677		25,638
	1935 12,783	1,051		823	7,882	2,299		24,838
	1936 12,898	1,130	6	1,103	8,990	2,645		26,763
October.....	1932 11,720	687	3	1,143	10,061	3,599		27,213
	1933 12,070	1,030	12	1,521	9,981	3,037		27,651
	1934 12,432	928	18	1,408	9,456	2,849		27,091
	1935 12,811	1,118	20	1,220	9,233	2,356		26,758
	1936 12,988	1,139	29	1,332	9,964	2,721		28,173
November.....	1932 12,263	815	7	1,302	10,586	3,406		28,469
	1933 12,147	1,086	19	1,427	10,120	3,135		27,934
	1934 12,680	1,048	28	1,319	9,846	2,885		27,806
	1935 12,921	1,156	26	1,273	9,877	2,633		27,886
	1936 12,992	1,194	33	1,216	9,987	2,763		28,185
December.....	1932 12,338	895	11	1,257	10,377	3,502		28,380
	1933 11,745	1,050	19	1,352	10,153	3,077		27,296
	1934 12,591	1,168	29	1,225	9,712	2,907		27,632
	1935 12,819	1,205	29	1,163	9,620	2,696		27,542
	1936 13,946	1,229	24	1,144	9,954	2,776		28,173
Average.....	1932 12,621	709	6	748	7,824	3,684	3	25,597
	1933 11,861	1,025	10	891	7,971	3,050	4	24,812
	1934 12,451	1,035	12	882	7,839	2,849	3	24,671
	1935 12,674	1,136	12	813	7,662	2,531	3	24,831
	1936 12,881	1,158	15	847	8,054	2,639	3	25,597

Table 43.—Wage-earners Employed and Days' Work Done, by Months, in the Coal Mines of Canada, 1936, with Comparative Totals for 1935

Month	Number of wage-earners			Days' work done		
	Surface	Under-ground	Total	Surface	Under-ground	Total
January.....	5,696	21,490	27,186	118,021	381,118	499,139
February.....	5,757	21,335	27,092	122,078	389,950	512,028
March.....	5,532	20,286	25,818	101,812	298,822	400,634
April.....	4,996	18,642	23,638	92,662	283,165	375,827
May.....	4,904	17,685	22,589	97,388	306,701	404,089
June.....	5,027	17,728	22,755	100,373	320,909	421,282
July.....	5,063	17,610	22,673	102,954	332,151	435,105
August.....	5,285	18,837	24,122	106,958	333,836	440,794
September.....	5,885	20,878	26,763	129,549	421,757	551,306
October.....	6,098	22,085	28,173	146,701	490,548	637,249
November.....	5,978	22,207	28,185	128,878	414,965	543,843
December.....	5,926	22,247	28,173	127,606	408,013	535,619
Total for 1936.....				1,374,980	4,381,935	5,756,915
Total for 1935.....				1,312,667	4,069,833	5,382,520

Table 44.—Wage-earners Employed in the Coal Mines of Canada, by Classes and by Provinces, 1936, with Comparative Totals for 1935

Classification	Province							Canada		
	Nova Scotia	New Brunswick	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon	Surface	Under-ground	Total
Administration.....	57	20		8	60	7		152		152
Clerks.....	106	15	1	16	133	29		300		300
Screenmen and loaders.....	655	58	2	55	647	126	1	1,544		1,544
Foremen and officials.....	691	26	1	33	501	112	1	225	1,110	1,365
Stripping shovel operators.....				6	8			14		14
Hand cutters and helpers.....	771	493	9	375	2,005	323	1		3,977	3,977
Machine cutters and helpers.....	926	78		30	309	202			1,545	1,545
Machine loaders and helpers.....	2,287	183		53	1,562	307			4,392	4,392
Horse haulage employees.....	406	3		57	425	152		51	992	1,043
Mechanical haulage employees.....	1,553	1		23	338	263		114	2,064	2,178
Ventilation employees.....	240			3	62	28			333	333
Roadmakers.....	295	19		16	155	33		12	506	518
Timbermen.....	1,107	29	1	12	247	108		8	1,496	1,504
Pumpmen.....	107	5		3	46	8		7	161	168
Loading shovel.....				9				9		9
Chute loaders.....	93				150	24			276	276
Engineers.....	241	19		14	147	56		399	79	478
Firemen.....	138	4	1	11	90	29		272		272
Machinists.....	197	1		6	71	50		305	20	325
Carpenters and masons.....	112	7		6	63	44		229	3	232
Other mechanics.....	323	3		4	114	162		268	338	606
Japanese.....						2		2		2
Chinese.....						113		113		113
Indians.....										
All other employees.....	2,576	194		107	913	461		1,487	2,764	4,251
Total for 1936.....	12,881	1,158	15	847	8,054	2,639	3	5,511	29,086	25,597
Total for 1935.....	12,674	1,136	12	813	7,662	2,331	3	5,368	19,463	24,831

Table 45.—Average Output of Coal per Man-Day in Canada, by Provinces and by Districts, 1935 and 1936

	1935			1936		
	Number of man-days	Output	Average output per man-day	Number of man-days	Output	Average output per man-day
		Tons	Tons		Tons	Tons
NOVA SCOTIA—						
Cape Breton.....	1,845,387	4,413,570	2-392	1,992,396	5,158,877	2-589
Cumberland.....	392,262	702,496	1-791	383,432	701,767	1-830
Inverness.....	95,403	116,978	1-226	98,501	142,540	1-447
Pictou.....	418,052	589,031	1-409	446,717	645,918	1-446
Total.....	2,751,104	5,822,075	2-116	2,821,046	6,649,102	2-276
NEW BRUNSWICK.....	264,929	346,024	1-306	268,857	368,618	1-371
MANITOBA.....	2,571	3,106	1-208	3,212	4,029	1-254
SASKATCHEWAN.....	167,763	921,785	5-495	195,136	1,020,792	5-231
ALBERTA—						
Bituminous—						
Cascade.....	53,105	152,924	2-880	56,321	166,607	2-959
Crowsnest.....	386,491	1,297,394	3-357	364,545	1,310,559	3-595
Mountain Park.....	191,495	651,270	3-401	183,209	655,130	3-576
Nordegg.....	40,587	147,032	3-622	44,566	150,378	3-500
Total Bituminous.....	671,678	2,248,620	3-348	648,641	2,288,734	3-529
Sub-Bituminous—						
Coalspur.....	102,642	413,489	4-028	97,999	388,766	3-967
Morley.....				533	123	0-231
Pekisko.....	1,966	4,284	2-179	2,251	4,805	2-135
Pincher.....	882	1,405	1-593	1,101	2,094	1-902
Prairie Creek.....	34,111	110,192	3-230	42,508	127,503	3-000
Saunders.....	16,013	37,055	2-314	19,091	42,944	2-249
Total Sub-Bituminous.....	155,614	566,425	3-640	163,483	566,235	3-464
Lignite—						
Ardley.....	9,126	25,778	2-825	11,103	29,217	2-631
Big Valley.....	1,452	2,651	1-825	1,953	2,918	1-494
Brooks.....	2,800	8,043	2-872	3,009	9,842	3-271
Camrose.....	17,152	57,613	3-359	21,381	65,398	3-059
Carbon.....	29,006	95,295	3-285	33,409	108,625	3-251
Castor.....	13,314	34,823	2-616	18,476	47,021	2-545
Champion.....	10,443	20,841	1-996	10,553	22,165	2-100
Drumheller.....	328,804	1,261,447	3-836	389,602	1,437,313	3-659
Edmonton.....	158,127	493,884	3-123	179,738	542,854	3-020
Gleichen.....	4,416	9,172	2-077	4,480	9,897	2-209
Halcourt.....	4,334	3,753	0-866	3,930	3,454	0-879
Lethbridge.....	112,551	351,004	3-119	127,914	50,967	2-744
Magrath.....	1,068	1,282	1-200	902	857	0-950
Milk River.....	1,842	4,492	2-439	2,658	5,500	2-069
Pakan.....	122	245	2-008	388	335	0-863
Pakowki.....	1,631	2,803	1-773	1,481	3,602	2-493
Pembina.....	15,251	72,163	4-732	12,633	53,956	4-271
Redcliff.....	9,698	34,160	3-525	9,076	36,433	3-652
Rochester.....	793	1,467	1-850	861	2,241	2-603
Sexsmith.....				25	44	1-760
Sheerness.....	16,850	88,877	5-275	12,592	47,345	3-700
Stevenville.....						
Taher.....	7,486	14,819	1-980	6,334	11,194	2-241
Tofield.....	11,639	59,500	5-090	14,393	42,846	2-977
Wetaskiwin.....	532	728	1-368	1,179	1,770	1-506
Whitecourt.....	76	80	1-053	110	163	1-482
Area not designated.....	1,184	2,939	2-482	1,290	2,908	2-254
Total Lignite.....	759,687	2,647,849	3-485	870,370	2,841,991	3-265
Total Alberta.....	1,586,979	5,462,894	3-442	1,682,494	5,696,960	3-386
BRITISH COLUMBIA—						
Crow's Nest Pass.....	106,702	457,149	4-284	125,279	514,161	4-104
Inland.....	100,889	169,409	1-679	105,918	182,982	1-728
Island.....	401,433	704,729	1-755	454,841	792,028	1-741
Total.....	609,024	1,331,287	2-186	686,038	1,489,171	2-171
YUKON.....	150	835	5-567	132	510	3-864
Canada.....	5,382,520	13,888,066	2-586	5,756,915	15,229,182	2-645

Table 46.—Fatal and Non-Fatal Accidents in the Coal Mining Industry in Canada, by Provinces, 1936, with Comparative Totals for 1935

	Nova Scotia		New Brunswick		Saskatchewan		Alberta		British Columbia		Canada	
	Fatal	Non-fatal	Fatal	Non-fatal	Fatal	Non-fatal	Fatal	Non-fatal	Fatal	Non-fatal	Fatal	Non-fatal
UNDERGROUND												
Falls of roof or face.....	3	452	1	143	1	37	6	52	2	183	13	867
Mine cars and locomotives.....	10	275		101		34		45	4	89	14	544
Gas and dust explosions.....				1			1	6			1	7
Explosives.....		1		20		1		3		1		26
Electricity.....				1					1		1	1
Timbering.....						4		13				17
Mining and loading coal.....						73		9				82
Coal cutting machines.....							1	17			1	17
Miscellaneous.....	1	631		176		17	1	17	1	281	3	1,122
Total underground.....	14	1,350	1	442	1	166	9	162	8	554	33	2,683
SURFACE												
Haulage and cars.....		20		7		26		4		7		64
Machinery.....		12		7		14		2		5		46
Miscellaneous.....	1	129		33		36	2	12		59	3	269
Total surface.....	1	161		47		76	2	18		71	3	373
Total for 1936.....	15	1,520	1	489	1	242	11	180	8	625	36	3,056
Total for 1935.....	20	1,383	1	164	1	171	35	179	5	453	62	2,350

Table 47.—Fuel and Electricity Used in the Coal Mining Industry in Canada, by Kinds and by Provinces, 1936

Province	Coal			Gasoline kerosene and fuel oil	Electricity purchased	Total value	Electricity generated for own use
	Bituminous	Sub-bituminous	Lignite				
	Tons	Tons	Tons	Imp. Gal.	K.W.H.	\$	K.W.H.
NOVA SCOTIA—							
Quantity.....	411,330				77,005,926		15,907,838
Value.....	\$ 1,388,267				1,010,676	2,398,943	
NEW BRUNSWICK—							
Quantity.....	3,573			9,950	771,096		
Value.....	\$ 10,262			2,270	18,553	31,065	
MANITOBA—							
Quantity.....			173	480			
Value.....			428	89		517	
SASKATCHEWAN—							
Quantity.....			31,003	15,578	2,091,597		358,100
Value.....			33,334	3,857	46,746	83,937	
ALBERTA—							
Quantity.....	81,288	31,431	43,511	28,686	24,830,178		12,538,941
Value.....	\$ 227,272	56,673	39,010	7,578	293,502	624,635	
BRITISH COLUMBIA—							
Quantity.....	115,117			4,624	7,200,000		17,274,734
Value.....	\$ 295,181			1,264	72,000	368,445	
YUKON—							
Quantity.....	10						
Value.....	\$ 30					30	
Canada—							
Quantity.....	611,318	31,431	74,687	59,318	111,898,797		46,679,613
Value.....	\$ 1,921,912	56,673	72,772	15,938	1,441,477	3,506,992	

Table 48.—Power Employed in the Coal Mining Industry in Canada, by Provinces, 1936

Province	Steam engines and turbines	Internal combustion engines	Hydraulic turbines or 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
Nova Scotia.....	No. 63 H.P. 54,251			63 54,251	605 47,539	668 101,790	71 10,207	676 57,746	112 34,009
New Brunswick....	No. 17 H.P. 602	2 101		19 703	111 1,049	130 1,752		111 1,049	13 533
Manitoba.....	No. 1 H.P. 20	1 10		2 30		2 30			
Saskatchewan.....	No. 39 H.P. 2,350	21 369		60 2,719	164 3,309	224 6,028	52 1,070	216 4,385	12 1,642
Alberta.....	No. 166 H.P. 24,854	69 923		235 25,777	947 27,405	1,182 53,182	343 9,507	1,290 36,912	155 18,354
British Columbia..	No. 77 H.P. 16,640	11 270	2 12,900	90 28,910	83 2,815	173 31,725	134 13,086	217 15,901	58 10,135
Yukon.....	No. H.P.								1 25
Total.....	No. 363 H.P. 98,717	104 1,673	2 12,900	469 112,390	1,910 82,117	2,379 191,507	600 33,876	2,510 115,993	351 64,636

Table 49.—Capital Employed in the Coal Mines of Canada, by Provinces, 1935 and 1936

Province	1935				1936			
	Capital employed as represented by				Capital employed as represented by			
	Cost of lands, buildings, machinery and tools	Cost of supplies and stocks on hand	Cash, trading and operating accounts and bills receivable	Total	Cost of lands, buildings, machinery and tools	Cost of supplies and stocks on hand	Cash, trading and operating accounts and bills receivable	Total
	\$	\$	\$	\$	\$	\$	\$	\$
Nova Scotia.....	38,576,120	2,852,181	4,707,478	46,135,779	36,980,155	3,213,068	5,446,250	45,639,473
New Brunswick....	1,035,803	29,591	263,868	1,329,262	1,026,542	68,517	275,622	1,370,681
Manitoba.....	2,200			2,200	4,400	408	890	5,698
Saskatchewan.....	2,976,292	310,329	282,091	3,568,712	2,605,561	84,628	406,914	3,096,203
Alberta.....	31,405,166	965,471	6,878,578	39,249,215	31,435,333	938,240	8,231,002	40,604,575
British Columbia..	17,301,611	356,752	2,369,366	20,027,729	15,965,370	412,959	2,403,334	18,781,663
Yukon.....	203,000	620		203,620	203,000	1,750		204,750
Canada.....	91,690,192	4,514,944	14,501,381	110,516,517	88,220,361	4,719,570	16,763,112	109,703,043

CHAPTER TWO

PRINCE EDWARD ISLAND

Receipts of coal in Prince Edward Island during 1936 totalled 94,949 tons, made up of 80,612 tons from Nova Scotia, 1,947 tons from New Brunswick, 10,800 tons from Great Britain, and 1,590 tons from the United States. In 1935, Nova Scotia shipped 86,621 tons into this province; New Brunswick, 2,277 tons; Great Britain, 7,542 tons, and the United States, 1,579 tons. Five tons of Canadian coal were exported through Charlottetown during 1936 as compared with 100 tons in the preceding year.

Table 50—Exports of Canadian Coal through Prince Edward Island Ports, 1932-1936

(Short tons)

Port	1932	1933	1934	1935	1936
Charlottetown.....	70			100	5
Total.....	70			100	5

Table 51.—Imports into Prince Edward Island of Anthracite and Bituminous Coal, by Ports of Entry, 1935 and 1936*

(Short tons)

Port	Source	1935					1936					
		Anthracite			Bitu- inous, all grades	Total coal	Anthracite			Bitu- inous, all grades	Total coal	
		Grate, egg, stove, nut and pea	Screen- ings or dust and N.O.P.	Total			Grate, egg, stove, nut, doubles, cobble, and treble	Screen- ings or dust	Peas, beans and smaller sizes n.o.p.			Total
Charlottetown..	U.S.....	1,454		1,454	125	1,579	1,479			1,479	111	1,590
	G.B....	1,709		1,709	2,137	3,846	2,700			2,700	2,824	5,524
	New- found- land.....											
Summerside....	U.S.....											
	G.B....	1,691		1,691	2,095	3,696	2,524			2,524	2,752	5,276
Total.....	U.S.....	1,454		1,454	125	1,579	1,479			1,479	111	1,590
	G.B....	3,400		3,400	4,142	7,542	5,224			5,224	5,576	10,800
	New- found- land.....											
Grand total....		4,854		4,854	4,267	9,121	6,703			6,703	5,687	12,390

* The total tonnage received at Prince Edward Island ports of entry. See page 4, section 2, for explanation.

Table 52.—Summary Statistics for Prince Edward Island in 1936—Exports, Inter-provincial Shipments and Imports, by Months and by Kinds

(Short tons)

Month	Canadian coal received from other provinces	Exported	Imported from U.S.A.	Imported from Great Britain
January—				
Anthracite.....				
Bituminous.....	6,240			
Total.....	6,240			
February—				
Anthracite.....				
Bituminous.....	8,910			
Total.....	8,910			
March—				
Anthracite.....				
Bituminous.....	3,263			
Total.....	3,263			
April—				
Anthracite.....				
Bituminous.....	4,247			
Total.....	4,247			
May—				
Anthracite.....				
Bituminous.....	3,556			
Total.....	3,556			
June—				
Anthracite.....				
Bituminous.....	2,656			
Total.....	2,656			
July—				
Anthracite.....				1,903
Bituminous.....	3,997			5,567
Total.....	3,997			7,470
August—				
Anthracite.....			1,355	
Bituminous.....	6,867			
Total.....	6,867		1,355	
September—				
Anthracite.....				3,321
Bituminous.....	11,900		80	9
Total.....	11,900		80	3,330
October—				
Anthracite.....				
Bituminous.....	13,164			
Total.....	13,164			
November—				
Anthracite.....			124	
Bituminous.....	9,653	5		
Total.....	9,653	5	124	
December—				
Anthracite.....				
Bituminous.....	8,106		31	
Total.....	8,106		31	
Total—				
Anthracite.....			1,479	5,224
Bituminous.....	82,559	5	111	5,576
Total.....	82,559	5	1,590	10,800

CHAPTER THREE

NOVA SCOTIA

Nova Scotia coal mines produced 6,649,102 tons of coal in 1936 as compared with 5,822,075 tons in the preceding year. Production from Cape Breton mines amounted to 5,158,877 tons or 16.9 per cent above the 1935 output. Operators in the Cumberland district mined 701,767 tons; in 1935, this district produced 702,496 tons. The Inverness district produced 142,540 tons, an advance of 21.9 per cent over the previous year's total. Mines in the Pictou district recorded an output of 645,918 tons; this represented an increase of 9.7 tons over the 1935 production.

Shipments of coal from Nova Scotia mines advanced 13.2 per cent in 1936 to 6,001,760 tons. Quebec continued to be the principal market for Nova Scotia coal, receiving 934,853 tons for railroad use and 2,284,612 tons for other uses. Shipments from the mines, for consumption within Nova Scotia, were made up of 332,205 tons for railroad use and 1,346,632 tons for other purposes. New Brunswick received 163,560 tons for railroads and 364,118 tons for other uses. Shipments to Prince Edward Island consisted of 11,862 tons for railroads and 68,750 tons for other purposes. Coal supplied for ships' bunkers amounted to 280,641 tons in 1936. Shipments direct from the mines to Ontario totalled 33,705 tons, in addition to this quantity 1,011,511 tons were trans-shipped from stock at Montreal to Ontario points. These trans-shipments were made to the following areas: Ottawa area, 263,779 tons; Kingston area, 93,039 tons; Toronto area, 354,007 tons; Windsor area, 22,231 tons and the Northern Ontario area, 278,455 tons.

Nova Scotia mines, active in 1936, produced approximately 70 per cent of their possible output; lack of orders accounted for 27.1 per cent of the output loss. Causes other than strikes were responsible for a production loss of 2,796,292 tons in 1936, while strikes accounted for an additional loss of 89,000 tons.

Coal made available for consumption in Nova Scotia during 1936 was computed at 2,683,605 tons. This figure was based on the production plus receipts from outside sources less shipments to points outside the province and consisted of 96.3 per cent from Nova Scotia mines, 3.2 per cent from Great Britain and the remainder from the United States and Germany.

Coal mining in this province provided employment to 12,881 wage-earners who received 2,921,046 man-days work or an average of 227 days per man. During 1935, wage-earners totalled 12,674 to whom 2,751,104 man-days work were furnished or 217 days per man.

Table 53.—Output of Coal from Nova Scotia Mines, 1785-1936

(Short tons)

Calendar year	Output	Value	Calendar year	Output	Value	Calendar year	Output	Value
		\$			\$			\$
1785-1866.....	2,649,416	4,139,714	1890.....	2,181,033	3,407,884	1914.....	7,370,924	16,452,955
1867.....	596,332	931,769	1891.....	2,267,919	3,543,024	1915.....	7,463,370	16,659,308
1868.....	574,106	897,041	1892.....	2,159,389	3,374,046	1916.....	6,912,140	18,514,682
1869.....	647,727	1,012,074	1893.....	2,444,924	3,820,194	1917.....	6,327,091	19,410,737
1870.....	719,211	1,123,767	1894.....	2,527,982	3,949,970	1918.....	5,818,562	21,095,470
1871.....	754,827	1,179,417	1895.....	2,225,145	3,476,790	1919.....	5,790,196	22,350,157
1872.....	1,003,806	1,568,446	1896.....	2,508,579	3,919,655	1920.....	6,437,156	32,314,523
1873.....	1,108,245	1,731,632	1897.....	2,493,554	3,896,179	1921.....	5,734,928	27,782,050
1874.....	972,954	1,520,240	1898.....	2,563,180	4,004,970	1922.....	5,569,072	24,629,921
1875.....	930,613	1,454,084	1899.....	3,148,822	5,622,898	1923.....	6,597,838	28,170,458
1876.....	837,755	1,308,991	1900.....	3,623,536	8,088,250	1924.....	5,557,441	22,280,554
1877.....	880,215	1,375,330	1901.....	4,158,068	6,496,982	1925.....	3,842,978	15,826,080
1878.....	875,994	1,368,741	1902.....	5,161,316	9,216,636	1926.....	6,747,477	26,845,226
1879.....	866,220	1,353,469	1903.....	5,653,338	10,095,246	1927.....	7,071,876	27,194,671
1880.....	1,177,669	1,840,108	1904.....	5,596,241	9,993,288	1928.....	6,743,504	27,427,556
1881.....	1,280,050	2,000,079	1905.....	5,646,583	10,083,184	1929.....	7,056,133	28,071,956
1882.....	1,534,947	2,382,730	1906.....	6,220,505	11,108,044	1930.....	6,252,552	24,528,800
1883.....	1,578,609	2,466,576	1907.....	6,354,133	12,764,999	1931.....	4,955,563	19,016,720
1884.....	1,543,829	2,412,233	1908.....	6,652,539	13,364,476	1932.....	4,081,581	15,167,793
1885.....	1,547,990	2,418,735	1909.....	5,652,089	11,354,643	1933.....	4,557,590	15,968,793
1886.....	1,098,018	2,053,152	1910.....	6,431,142	12,019,705	1934.....	6,341,625	21,860,093
1887.....	1,858,596	2,904,057	1911.....	7,004,420	14,071,379	1935.....	5,822,075	20,391,227
1888.....	1,942,231	3,034,735	1912.....	7,783,888	17,374,750	1936.....	6,449,102	22,973,281
1889.....	1,918,827	2,998,167	1913.....	7,980,073	17,812,603			
						Total....	277,639,359	764,776,382

* For the years 1919-1936 the tonnage shown is the total output from all mines; for previous years the figures given include only sales, colliery consumption, and coal used by the operators.

Table 54.—Output of Coal from Nova Scotia Mines, by Months, 1932-1936

(Short tons)

Month	1932	1933	1934	1935	1936
January	370,652	280,346	433,414	508,191	435,997
February	356,344	276,424	405,798	428,092	420,552
March	374,507	259,137	430,063	397,276	425,146
April	291,970	268,447	401,655	369,834	423,984
May	339,403	334,007	599,830	498,924	571,892
June	362,572	345,761	596,494	535,841	626,590
July	309,143	343,029	581,349	583,832	646,568
August	312,153	429,711	606,242	489,057	565,859
September	307,992	499,850	601,167	463,263	653,918
October	346,537	645,743	663,140	593,310	690,343
November	379,715	514,464	597,990	504,099	622,152
December	333,503	360,671	418,483	450,356	566,101
Total	4,084,581	4,557,590	6,341,625	5,822,075	6,649,102

Table 55.—Output of Coal by Districts in Nova Scotia, 1932-1936

(Short tons)

District	1932	1933	1934	1935	1936
Cape Breton	2,831,753	3,444,118	4,920,085	4,413,570	5,158,877
Cumberland	634,516	604,893	738,017	702,496	701,767
Inverness	120,909	102,628	116,872	116,978	142,540
Pictou	497,403	405,951	560,651	589,031	645,918
Total	4,084,581	4,557,590	6,341,625	5,822,075	6,649,102

Table 56.—Output of Coal by Principal Collieries in Nova Scotia, 1934-1936
(Average of 500 tons or more per month)

(Short tons)

Name	Address	1934	1935	1936
CAPE BRETON DISTRICT—				
Bras d'Or Coal Co., Ltd.	Little Bras d'Or Bridge	109,370	107,875	116,467
British Coal Co. Ltd. (formerly Sydney Mines Coal Co.)	Sydney		9,591	7,340
Dominion Coal Co., Ltd.	Sydney	4,090,268	3,639,392	4,296,057
Indian Cove Coal Co., Ltd.	Sydney Mines	44,134	46,746	51,555
Nova Scotia Steel and Coal Co., Ltd.	Sydney	681,694	609,849	686,776
All other operators		619	117	682
Total		4,926,085	4,413,570	5,158,877
CUMBERLAND DISTRICT—				
Cumberland Railway and Coal Co., Ltd.	Springhill	550,974	519,508	541,773
Fundy Coal Co., Ltd.	Amherst	5,460		
Maritime Coal, Railway & Power Co., Ltd.	Amherst	72,881	72,241	70,171
Shore Coal Co. Ltd.	Amherst	4,528	27,933	23,007
Standard Coal Co., Ltd.	River Hebert	21,023	18,202	21,092
Victoria Coal Co., Ltd.	New Glasgow	79,133	62,819	45,724
All other operators		4,018	1,793	
Total		738,017	702,496	701,767
INVERNESS DISTRICT—				
Inverness Coal Mine, (formerly Inverness Co-operative Co., Ltd.)	Inverness	112,924	109,722	131,371
Port Hood Coal Mines Ltd. (formerly Port Hood Fuel Co. and J. F. Symons)	Port Hood	2,721	5,996	9,538
All other operators		1,227		1,631
Total		116,872	116,978	142,540
PICTOU DISTRICT—				
Acadia Coal Co., Ltd.	Stellarton	322,387	392,323	418,477
Greenwood Coal Co., Ltd.	New Glasgow	50,420	52,531	48,413
Intercolonial Coal Co., Ltd.	Westville	187,844	144,177	178,099
All other operators				929
Total		560,651	589,031	645,918
Total Nova Scotia		6,341,625	5,822,075	6,649,102

Table 57.—Tonnage Lost in Nova Scotia Coal Mines Showing, by Districts, the Relative Percentages Produced and Lost, with an Analysis of the Percentage Lost, 1935 and 1936

District		Per cent produced	Per cent lost	Percentage lost through				
				Absenteeism	Lack of orders	Car shortage	Mine disability	Other causes
Cape Breton.....	1935	68	32	0.7	30.2		0.5	0.6
	1936	70	30	0.5	28.9		0.5	0.1
Cumberland.....	1935	81	19	2.1	12.0	0.1	1.1	3.7
	1936	68	32	4.2	19.4		2.2	6.2
Inverness.....	1935	70	30		27.7		1.5	0.8
	1936	81	19		18.5		0.1	0.4
Pictou.....	1935	77	23	2.2	20.2		0.5	0.1
	1936	77	23	2.4	20.3		0.3	
Nova Scotia.....	1935	71	29	0.8	27.1	0.0	0.4	0.7
	1936	70	30	1.1	27.1	0.0	0.8	1.0

Table 58.—Disposition of Coal from Nova Scotia Mines, by Grades, 1936
(Short tons)

—	Run of Mine	Lump	Egg	Nut	Pea	Slack	Total Coal	
							Quantity	Value
								\$
Supplied to employees for domestic consumption.....	100,814	15,927		22		501	117,264	349,947
Used for power purposes, colliery boilers, company's railroads, etc.....	58,762	806		71,438		280,324	411,330	1,388,267
Lost in washing.....							19,971	
Supplied to companies for the manufacture of coke or gas....		218,704		37,335		748,407	1,004,446	3,375,520
Supplied to retail coal dealers....	86,848	519,349	1,196	72,059	1,802	715,602	1,396,856	4,916,546
Supplied to railroad companies for locomotives—								
In Prince Edward Island.....	5,754	3,227		80		2,801	11,862	
In Nova Scotia.....	247,967	67,143	74	204		16,817	332,205	
In New Brunswick (a)....	98,181	53,756		152		11,327	163,416	
In Quebec (a).....	152,029	439,479				43,741	635,249	5,201,106
In Ontario (b).....		299,052					299,052	
In Newfoundland.....		6,386					6,386	
Supplied to shipping companies for ships' bunkers.....	278,194	306				2,141	280,641	997,551
Supplied to industrial users.....	116,075	249,384		80,789		1,191,073	1,637,318	5,560,873
Supplied direct to domestic consumers.....	61,430	128,585	200	4,719	233	39,154	234,329	881,815
Added to bank (Difference between "Put on bank" and "Lifted from bank").....		+45,278		-198		+49,303	+91,383	301,656
Put on waste heap.....							4,394	
Total output.....	3,253,436		1,478	266,596	2,835	3,101,191	6,649,102	22,973,281

(a) Includes not only direct shipments from mines but also tonnages shipped from agencies in these provinces for railroad use.

(b) Trans-shipped from Montreal for railroad use.

Table 59.—Disposition of Coal from Nova Scotia Mines, 1935 and 1936

(Short tons)

	1935		1936					
	Total		Run-of-mine	Lump	Nut and other grades	Slack	Total	
	Quantity	Value					Quantity	Value
		\$						\$
Supplied to employees for domestic consumption.....	121,370	373,939	100,814	15,927	22	501	117,261	349,947
Coal shipped as per Table 61.....	5,303,780	18,819,641	1,047,478	1,984,371	198,848	2,771,063	6,001,760	20,933,411
Used under colliery boilers.....	260,452	831,251	22,151	271	44,777	209,607	276,800	844,496
Used by companies' railroads.....	42,648	181,167	33,584	218	6,897		40,699	170,072
Used in shops, etc.....	89,879	302,549	1,721	317	19,764	70,717	92,519	369,428
Used by harbour tugs and dredges.....	353	790	1,306				1,306	4,271
Put on bank.....	1,207,590	4,070,112	451,497	106,449	1,164	666,435	1,225,545	3,977,892
Put on waste heap.....	38,237						26,030	
Total disposition.....	7,064,309	24,579,449	1,658,551	2,107,553	271,472	3,718,323	7,781,929	26,649,517
Lifted from bank.....	1,241,585	4,188,222	91,289	421,379	1,362	617,132	1,131,162	3,676,236
Lifted from waste heap.....	649						1,645	
Total output.....	5,822,075	20,391,227	1,567,262	1,686,174	270,110	3,101,191	6,649,102	22,973,281

Table 60.—Tonnages Put on Bank and Lifted from Bank in Nova Scotia, 1932-1936

(Short tons)

Month	1932		1933		1934		1935		1936	
	Put on bank	Lifted from bank	Put on bank	Lifted from bank	Put on bank	Lifted from bank	Put on bank	Lifted from bank	Put on bank	Lifted from bank
<i>On bank at first of year.....</i>	<i>147,200</i>	<i></i>	<i>125,655</i>	<i></i>	<i>121,849</i>	<i></i>	<i>170,944</i>	<i></i>	<i>136,949</i>	<i></i>
January.....	117,340	5,233	100,993	8,034	56,785	4,947	230,210	41,178	174,777	58,966
February.....	103,147	5,536	101,303	6,226	94,081	4,531	194,688	44,647	151,146	55,872
March.....	112,149	3,787	63,872	7,580	115,794	6,642	171,316	48,700	229,623	53,399
April.....	68,237	6,980	31,172	4,700	146,705	42,812	155,079	33,397	96,674	49,710
May.....	3,701	94,912	13,347	10,019	17,972	76,194	55,877	80,927	40,920	110,542
June.....	5,400	56,250	6,009	68,652	14,298	135,196	30,416	183,392	62,700	160,316
July.....	13,715	83,897	10,951	69,309	33,103	131,145	37,983	188,820	39,942	123,311
August.....	3,614	77,703	7,259	61,247	15,056	127,448	28,240	205,536	24,895	167,630
September.....	3,725	90,958	10,119	58,399	19,267	68,043	26,985	121,471	48,139	116,734
October.....	4,088	78,446	12,779	51,127	25,805	25,163	65,678	151,613	33,187	89,616
November.....	9,375	23,136	8,974	50,891	59,897	26,222	70,520	81,067	79,757	79,367
December.....	71,015	10,213	35,896	10,296	147,755	49,680	140,598	60,837	243,585	65,799
Total.....	515,506	537,651	492,674	466,480	747,118	698,023	1,267,590	1,241,585	1,225,545	1,131,163

**Table 61.—Shipments of Coal from Nova Scotia Mines, by Grades and by Destinations
1935 and 1936**

(Short tons)

Destination	1935				1936				
	Run-of mine	Screened	Slack	Total	Run-of mine	Lump	Nut and other grades	Slack	Total
Coal supplied for bunkers	275,189	47,132	1,824	324,145	278,194	306	.....	2,141	280,641
Coal supplied to rail- roads—									
In Nova Scotia					247,967	67,143	278	16,817	332,205
In New Brunswick....					59,529	27,663	152	11,327	98,676
In Quebec					152,029	197,371	.....	2,462	351,862
In Ontario									
In Prince Edward Is- land					5,754	3,227	80	2,801	11,862
Total in Canada	433,704	874,432	74,505	1,382,641	485,279	295,409	510	33,407	794,605
In Newfoundland.....		17,309		17,309		6,386			6,386
Nova Scotia by land....	134,724	293,653	692,025	1,121,002	135,829	296,123	9,644	781,290	1,222,886
Nova Scotia by sea.....	9,284	59,984	63,682	132,950	15,496	36,514	11,061	60,675	123,746
New Brunswick.....	65,135	64,818	194,131	324,084	108,271	76,621	12,582	231,528	429,002
Newfoundland.....	12,922	108,969	9	121,900	11,839	91,632	.....	248	103,719
Prince Edward Island..	10,241	48,604	10,172	69,017	5,901	47,173	4,343	11,333	68,750
Quebec (a)	6,481	545,067	1,193,935	1,745,483	26,485	1,102,251	154,069	1,584,198	2,867,693
Ontario		2,408	46	2,454		26,519	5,909	1,277	33,705
United States	2,279	1,374	44,896	48,549	33	1,973	130	64,966	67,102
Other countries	125	7,401		7,526	151	3,464	.....		3,615
Lost at sea		6,720		6,720					
Total	936,684	2,077,671	2,275,625	5,303,780	1,047,478	1,984,371	198,848	2,771,063	6,001,760

(a) The 1935 figures include only the tonnage shipped for purposes other than railroad consumption. The 1936 figures include a considerable quantity of coal sold for railroad use.

Table 62.—Exports of Canadian Coal through Nova Scotia Ports, 1932-1936

(Short tons)

Port	1932	1933	1934	1935	1936
Halifax.....				67	35
Liverpool.....					
Lunenburg.....					
North Sydney.....	57,898	41,158	62,180	97,349	79,645
Pictou.....					
Sydney.....	50,130	74,940	107,792	135,181	122,823
Total	108,028	116,098	169,972	232,537	202,563

Table 63.—Imports into Nova Scotia of Anthracite and Bituminous Coal, by Ports of Entry, 1935 and 1936*

(Short tons)

Port	Source	1935					1936					
		Anthracite			Bitum- inous, all grades	Total coal	Anthracite			Bitum- inous, all grades	Total coal	
		Grate, egg, stove, nut and pea	Screen- ings or dust and N.O.P.	Total			Grate, egg, stove, nut, doubles cobbles and trebles	Screen- ings or dust	Peas, beans and smaller sizes, n.o.p.			Total
Amherst.....	U.S.....											
Annapolis.....	U.S.....											
Antigonish.....	U.S.....											
Arichat.....	U.S.....											
Baddeck.....	U.S.....											
Barrington Passage.....	U.S.....											
Bridgewater.....	U.S.....	187		187		187	326			326		326
Canso.....	U.S.....	488		488		488	299			299		299
Digby.....	U.S.....	141		141		141	125			125		125
	G.B.....											
Glace Bay.....	U.S.....											
Halifax.....	U.S.....	1,564		1,564	46	1,610	618			618		618
	G.B.....	41,391	592	41,983	47,613	89,596	35,112		2,410	37,522	36,510	74,032
	Germany.....	3,366		3,366		3,366	792		3,249	4,041	2,321	6,362
Kentville.....	G.B.....	1,466		1,466	5,662	7,128	941			941	3,307	4,248
Liverpool.....	U.S.....	462		462		462	612			612		612
	G.B.....	790		790	1,231	2,021	944			944	1,123	2,067
Lunenburg.....	U.S.....	1,502		1,502		1,502	574			574		574
	G.B.....	2,754		2,754		2,754	2,243			2,243		2,243
Middleton.....	U.S.....											
New Glasgow.....	U.S.....											
North Sydney.....	U.S.....						40			40		40
Parrsboro'.....	U.S.....											
Pictou.....	U.S.....											
Port Hawkesbury.....	U.S.....											
Port Hood.....	U.S.....											
Shelburne.....	U.S.....											
	G.B.....											
Truro.....	U.S.....											
Weymouth.....	U.S.....	200		200		200	165			165		165
Windsor.....	U.S.....											
Yarmouth.....	U.S.....	2,826		2,826	2	2,828	4,775			4,775	2	4,777
	G.B.....	3,076		3,076		3,076	1,978			1,978		1,978
Total.....	U.S.....	7,370		7,370	48	7,418	7,534			7,534	2	7,536
	G.B.....	49,477	592	50,069	54,506	104,575	41,218		2,410	43,628	40,940	84,568
	Germany.....	3,366		3,366		3,366	792		3,249	4,041	2,321	6,362
Grand Total.....		60,213	592	60,805	54,554	115,359	49,544		5,659	55,203	43,263	98,466

* The total tonnage received at Nova Scotia ports of entry. See page 4, section 2, for explanation.

Table 64.—Summary Statistics for Nova Scotia in 1936—Output, Exports, Inter-provincial Shipments and Imports, by Months and by Kinds

(Short tons)

Month	Canadian Coal				Imported from U.S.A.	Imported from Great Britain	Imported from Germany
	Output	Received from other provinces	Shipped to other provinces	Exported			
January—							
Anthracite.....					1,022	6,498	
Bituminous.....	435,997		89,061	24,608		5,590	
Total.....	435,997		89,061	24,608	1,022	12,088	
February—							
Anthracite.....					121	6,047	
Bituminous.....	420,552		87,348	3,572		4,562	
Total.....	420,552		87,348	3,572	121	10,609	
March—							
Anthracite.....					215	5,165	
Bituminous.....	425,146		56,873	13,832		2,960	
Total.....	425,146		56,873	13,832	215	8,125	
April—							
Anthracite.....						2,551	130
Bituminous.....	423,984		205,241	158		2,963	
Total.....	423,984		205,241	158		5,514	130
May—							
Anthracite.....					2,850		
Bituminous.....	571,892		441,005	12,394		4,128	
Total.....	571,892		441,005	12,394	2,850	4,128	
June—							
Anthracite.....					699		
Bituminous.....	626,590		520,976	21,323			
Total.....	626,590		520,976	21,323	699		
July—							
Anthracite.....						1,994	
Bituminous.....	646,568		527,741	22,649		1,681	
Total.....	646,568		527,741	22,649		3,665	
August—							
Anthracite.....					1,260	3,252	
Bituminous.....	565,859		521,035	17,386		2,711	
Total.....	565,859		521,035	17,386	1,260	5,963	
September—							
Anthracite.....					1,180	3,230	
Bituminous.....	653,918		504,158	15,503		2,540	
Total.....	653,918		504,158	15,503	1,180	5,770	
October—							
Anthracite.....						8,108	
Bituminous.....	690,343		469,782	16,305		10,180	
Total.....	690,343		469,782	16,305		18,288	
November—							
Anthracite.....					187	4,087	3,580
Bituminous.....	622,152		343,720	23,669	2	3,625	1,548
Total.....	622,152		343,720	23,669	189	7,712	5,128
December—							
Anthracite.....						2,709	331
Bituminous.....	566,101		94,520	31,104			773
Total.....	566,101		94,520	31,104		2,709	1,104
Total—							
Anthracite.....					7,534	43,628	4,941
Bituminous.....	6,649,192		3,861,460	282,583	2	49,940	2,321
Total.....	6,649,192		3,861,460	282,583	7,536	84,568	6,362

Table 65.—Employees, Salaries and Wages in the Coal Mines of Nova Scotia, by Districts, 1935 and 1936

District	Average number of employees					Salaries and wages		
	Salaried employees		Wage-earners		Total	Salaries	Wages	Total
	Male	Female	Surface	Under-ground				
1935								
Cape Breton.....	306	35	1,160	7,660	9,161	575,784	8,590,620	9,166,413
Cumberland.....	53	7	333	1,290	1,683	114,597	1,592,338	1,706,935
Inverness.....	23	2	144	299	468	30,843	320,644	351,487
Pictou.....	62	5	402	1,386	1,855	109,563	1,567,410	1,676,973
Nova Scotia.....	444	49	2,039	10,635	13,167	830,787	12,971,921	12,981,808
1936								
Cape Breton.....	299	41	1,178	7,737	9,255	576,986	9,614,747	10,191,733
Cumberland.....	52	7	318	1,375	1,732	99,157	1,619,626	1,718,783
Inverness.....	23	2	125	284	434	30,101	356,748	386,849
Pictou.....	61	4	412	1,452	1,929	119,710	1,700,535	1,820,245
Nova Scotia.....	435	54	2,033	10,848	13,370	825,954	13,291,656	14,117,610

Table 66.—Employment and Earnings in the Coal Mines of Nova Scotia, 1932-1936

	1932	1933	1934	1935	1936
Average number of wage-earners—					
Surface.....	2,079	1,951	2,000	2,039	2,033
Underground.....	10,544	9,910	10,051	10,635	10,848
Total.....	12,623	11,861	12,051	12,674	12,848
Days' work done—					
Surface.....	403,569	386,132	503,210	507,045	510,586
Underground.....	1,560,215	1,629,929	2,304,706	2,244,059	2,410,460
Total.....	1,963,784	2,016,061	2,807,925	2,751,104	2,921,046
Average number of days worked per man per year—					
Surface.....	194	198	252	249	251
Underground.....	148	164	229	211	222
By all wage-earners.....	155	170	233	217	227
Total wages paid.....	\$ 9,978,207	\$ 8,667,718	\$ 12,055,775	\$ 12,971,921	\$ 13,291,656

Table 67.—Wage-Earners and Work Done, by Months, in the Coal Mines of Nova Scotia in 1936

Month	Number of wage-earners			Days' work done		
	Surface	Under-ground	Total	Surface	Under-ground	Total
January.....	2,016	10,789	12,805	39,591	170,768	210,359
February.....	2,006	10,719	12,724	38,267	161,324	199,591
March.....	2,016	10,794	12,810	35,753	155,176	190,929
April.....	1,992	10,836	12,828	34,547	155,317	189,864
May.....	2,017	10,786	12,803	41,347	198,171	239,518
June.....	2,001	10,873	12,874	42,641	218,153	260,794
July.....	2,034	10,897	12,931	45,128	226,754	271,882
August.....	2,057	10,833	12,890	43,678	209,943	253,621
September.....	2,072	10,817	12,889	48,110	237,976	286,086
October.....	2,080	10,908	12,988	50,895	249,871	300,766
November.....	2,047	10,945	12,992	46,166	223,338	269,554
December.....	2,058	10,890	13,046	44,463	203,619	248,082
Total.....				510,586	2,410,460	2,921,046

Table 68.—Number of Man-Days Worked, by Districts, in Nova Scotia, 1935 and 1936

District	1935			1936		
	Surface	Under-ground	Total	Surface	Under-ground	Total
Cape Breton	274,402	1,570,985	1,845,387	288,160	1,704,236	1,992,396
Cumberland	90,240	302,022	392,262	78,822	304,610	383,432
Inverness	37,650	57,753	95,403	35,719	62,782	98,501
Pictou	104,753	313,299	418,052	107,885	338,832	446,717
Total	507,045	2,244,059	2,751,104	510,586	2,410,460	2,921,046

Table 69.—Wage-Earners Employed in the Coal Mines of Nova Scotia, by Classes, 1935 and 1936

Classification	1935			1936		
	Surface	Under-ground	Total	Surface	Under-ground	Total
Administration	56		56	57		57
Foremen and officials	51	022	673	52	639	691
Clerks	105		105	103		103
Screenmen and loaders	641		641	655		655
Handcutters and helpers		770	770		771	771
Machine cutters and helpers		1,074	1,074		926	926
Machine loaders and helpers		2,107	2,107		2,287	2,287
Horse haulage employees	8	407	415	6	400	406
Mechanical haulage employees	18	1,497	1,515	17	1,536	1,553
Ventilation employees		244	244		240	240
Roadmakers		294	294		295	295
Timbermen		1,095	1,095		1,107	1,107
Pumpmen	2	88	90	2	105	107
Chute loaders		87	87		93	93
Enginemen	167	85	252	166	75	241
Firemen	137		137	138		138
Mechanists	188	6	192	190	7	197
Carpenters and masons	114		114	112		112
Other mechanics	85	243	328	82	241	323
All other employees	469	2,018	2,485	450	2,126	2,576
Total	2,039	10,635	12,674	2,033	10,848	12,881

Table 70.—Capital Employed in the Coal Mines of Nova Scotia, 1935 and 1936

	1935	1936
Capital employed as represented by—	\$	\$
Cost of lands, buildings, machinery and tools	38,576,120	30,980,155
Cost of supplies and stock on hand	2,852,181	3,213,008
Cash, trading and operating accounts and bills receivable	4,707,478	5,440,250
Total	46,135,779	45,639,473

CHAPTER FOUR

NEW BRUNSWICK

New Brunswick's coal output has increased annually since 1931 when 182,181 tons were mined; in 1936, the production amounted to 368,618 tons. The 1936 output represented approximately 74 per cent of the possible output of the mines active during the year. Lack of orders accounted for 22.4 per cent of the time lost in 1936. The tonnage lost through all causes during the year was computed at 128,564 tons.

Shipments of coal from New Brunswick mines for railroad use totalled 175,797 tons or 48.6 per cent of the tonnage shipped during the year. The railroads used 40,440 tons of run of mine coal, 126,483 tons of screened coal and 8,874 tons of slack coal. Industrial users purchased 121,625 tons in 1936; 51.7 per cent of this quantity was slack and 41.9 per cent, run of mine. Direct sales to retail coal dealers amounted to 42,655 tons and to domestic consumers other than mine employees, 20,947 tons. The New Brunswick Inspector of Mines reports that there was a good demand for "slack" or "stripping" coal in 1936 from plants equipped to use this coal. "Stripping coal" is so called because it lies near the surface and is recovered by removing the overburden by steam shovel.

New Brunswick coal mines employed, on the average, 1,196 employees to whom \$839,146 were paid in salaries and wages. The average output per man day during 1936 was 1.371 tons; in the preceding year the average was 1.306 tons per man day. Wage-earners in this industry averaged 232 days work in 1936.

Table 71.—Output of Coal from New Brunswick Mines, 1887-1936

(Short tons)

Calendar year	Output	Value	Calendar year	Output	Value	Calendar year	Output	Value
		\$			\$			\$
1887.....	10,040	23,607	1906.....	34,076	68,152	*1925.....	208,012	815,367
1888.....	5,730	11,056	1907.....	34,584	77,814	*1926.....	173,111	710,245
1889.....	5,673	11,733	1908.....	60,000	135,000	*1927.....	203,950	885,038
1890.....	7,110	13,850	1909.....	49,029	98,496	*1928.....	207,738	869,104
1891.....	5,422	11,030	1910.....	55,455	110,910	*1929.....	218,706	909,169
1892.....	6,768	9,375	1911.....	55,781	111,562	*1930.....	209,349	864,118
1893.....	6,200	9,837	1912.....	44,780	89,560	*1931.....	182,181	743,196
1894.....	6,469	10,264	1913.....	70,311	166,637	*1932.....	212,695	794,168
1895.....	9,500	14,250	1914.....	98,049	241,075	*1933.....	312,303	1,041,744
1896.....	7,500	11,250	1915.....	127,391	309,612	*1934.....	314,750	1,026,343
1897.....	6,000	9,000	1916.....	143,540	389,016	*1935.....	346,024	1,129,019
1898.....	6,160	9,240	1917.....	189,095	708,016	*1936.....	368,618	1,190,032
1899.....	10,528	15,792	1918.....	268,212	1,331,710			
1900.....	10,000	15,000	*1919.....	166,377	735,386			
1901.....	17,030	51,857	*1920.....	171,610	1,091,440			
1902.....	18,795	39,680	*1921.....	187,192	920,666			
1903.....	16,000	40,000	*1922.....	287,513	1,107,643			
1904.....	9,112	18,224	*1923.....	276,617	1,196,772			
1905.....	29,400	58,800	*1924.....	217,121	932,185			
						Total.....	5,688,297	21,186,628

* For the years 1919-1936 the tonnage shown is the total output from all mines; for previous years the figures given include only sales, colliery consumption and coal used by operators.

Table 72.—Output of Coal from New Brunswick Mines, by Months, 1932-1936
(Short tons)

Month	1932	1933	1934	1935	1936
January.....	20,281	25,510	29,549	35,198	36,836
February.....	19,520	26,151	30,219	34,734	39,476
March.....	20,379	33,270	31,742	37,805	25,089
April.....	10,015	25,001	19,570	23,298	30,269
May.....	16,863	24,037	24,622	26,229	27,571
June.....	14,770	27,310	17,136	22,299	23,585
July.....	14,720	23,501	23,124	22,069	26,110
August.....	15,395	21,412	24,984	26,448	22,981
September.....	17,392	24,288	27,142	22,561	28,843
October.....	13,856	24,458	26,500	32,605	32,856
November.....	22,018	29,117	30,664	27,240	36,325
December.....	27,486	28,248	29,498	35,536	38,677
Total.....	212,635	312,303	314,750	346,624	368,618

Table 73.—Tonnage Lost in New Brunswick Coal Mines, Showing the Relative Percentage Produced and Lost, with an Analysis of the Percentage Lost, 1935 and 1936

Year	Per cent produced	Per cent lost	Percentage lost through				
			Absenteeism	Lack of orders	Car shortage	Mine disability	Other causes
1935.....	75	25	4.2	20.2	0.0	0.4	0.2
1936.....	74	26	2.4	22.4	0.0	0.7	0.5

Table 74.—Disposition of Coal from New Brunswick Mines, by Grades, 1935 and 1936
(Short tons)

	1935					1936				
	Run-of-mine	Screened	Slack	Total		Run-of-mine	Screened	Slack	Total	
				Quantity	Value				Quantity	Value
					\$					\$
Supplied to employees for domestic consumption.....	3,858			3,858	11,174	3,865	22		3,887	9,997
Shipped as per Table 75.....	94,648	156,993	86,873	338,514	1,107,164	119,226	157,214	85,010	361,450	1,171,792
Used under colliery boilers, etc.....	1,197		544	1,741	5,583	1,212		1,121	2,333	6,579
Used by companies' railroads.....	900			900	3,389	1,240			1,240	3,683
Put on bank.....	2,249	1,284	13,916	17,449	44,693	2,362	1,951	13,671	17,984	42,637
Put on waste heap.....				707					709	
Total disposition.....	102,832	158,277	101,333	363,169	1,171,833	127,905	159,187	99,802	387,693	1,234,688
Lifted from bank.....	1,691	1,573	13,796	17,060	42,814	2,687	1,934	14,364	18,985	44,656
Lifted from waste heap.....				85						
Total output.....	101,161	156,704	87,537	346,024	1,129,019	125,218	157,253	85,438	368,618	1,190,632

Table 75.—Shipments of Coal from New Brunswick Mines, by Grades and Destination, 1935 and 1936
(Short tons)

Destination	1935				1936			
	Run-of-mine	Screened	Slack	Total	Run-of-mine	Screened	Slack	Total
New Brunswick.....	45,540	20,527	76,276	142,343	62,789	23,219	67,785	153,793
Nova Scotia.....	37	31		68				
Prince Edward Island.....	47	2,230		2,277	47	1,900		1,947
Quebec.....	10,002	1,036	2,817	13,855	13,319	2,519	5,847	21,695
Ontario.....					680			680
United States.....	232	1,650	38	1,920	1,951	2,668	2,504	7,123
Railroads.....	38,790	130,819	7,742	177,351	40,440	126,463	8,874	175,787
Ships' bunkers.....		700		700		425		425
Total.....	94,648	156,993	86,873	338,514	119,226	157,214	85,010	361,450

Table 76.—Output of Coal by Principal Collieries in New Brunswick, 1934-1936
(Average output of 500 tons or more per month)

(Short tons)

Name	Address	1934	1935	1936
Avon Coal Co., Ltd.	Saint John	53,444	52,227	52,153
Evans, W. B.	Minto	32,661	35,492	31,401
Maritime Mining Syndicate	Chipman	44		3,853
McDougal Bros.	Minto		1,512	9,468
Minto Coal Co., Ltd.	Minto	68,279	79,253	83,082
Miramichi Lumber Co., Ltd.	Minto	61,750	68,640	65,439
Mitchell, Parker D.	West Saint John	568	4,465	6,032
Myles, Geo. H. & Co. (formerly Reade Construction Co., Ltd.)	Minto	6,304	8,244	8,150
Newcastle Coal Co.	Newcastle Bridge	7,659	9,230	12,895
Welton, Harvey	Minto	19,703	14,863	13,006
Welton & Henderson Ltd.	Minto	59,894	66,306	77,886
All other operators		4,444	5,792	5,253
Total		314,750	346,024	368,618

Table 77.—Exports of Canadian Coal through New Brunswick Ports, 1932-1936

(Short tons)

Port	1932	1933	1934	1935	1936
McAdam Junction				1	38
St. Andrews					
Saint John	1,061	962	1,815	2,454	1,350
St. Stephen		20	19	39	4,012
Woodstock	50,254	54,734	40,294	59,638	69,203
Total	51,315	55,716	42,128	62,130	74,603

Table 78.—Imports into New Brunswick of Anthracite and Bituminous Coal, by Sources and by Ports of Entry, 1935 and 1936*

(Short tons)

Port	Source	1935					1936				
		Anthracite			Bituminous, all grades	Total	Anthracite			Bituminous, all grades	Total
		Grate, egg, stove, nut, and pea	N.O.P.	Total			Grate, egg, stove, nut, doubles, cobbles and trebles	Screenings or dust	Peas, beans and smaller sizes n.o.p.		
Bathurst	U.S.				31	31				4,674	4,674
Campbellton	U.S.				39	39				32	32
	G.B.						1,005			1,005	1,005
Chatham	U.S.	52		52	25	87					
Fredericton	U.S.				72	72				71	71
McAdam Junction	U.S.				30	30				10	10
Sackville	U.S.										
	G.B.										
St. Andrews	U.S.	46	34	80	51	131	114			67	181
Saint John	U.S.	18,769	52	18,821	9,690	28,511	14,578			9,594	21,509
	G.B.	44,958		44,958	22,809	67,767	66,799	3,212	70,011	22,253	92,264
St. Stephen	U.S.	18		18	1,915	1,933	13		2	2,203	2,218
	G.B.	4,291		4,291		4,291	2,523			2,523	2,523
Woodstock	U.S.				126	126	35			203	238
	G.B.										
Total	U.S.	18,885	86	18,971	11,949	39,920	14,740		339	15,679	31,933
	G.B.	49,249		49,249	22,809	72,058	70,327	3,212	73,539	22,253	95,792
Grand total		68,134	86	68,220	34,758	103,018	85,067	3,551	88,618	39,107	127,725

* The total tonnage received at New Brunswick ports of entry. See page 4, section 2, for explanation.

Table 79.—Summary Statistics for New Brunswick in 1936—Output, Exports, Inter-provincial Shipments and Imports, by Months and by Kinds

(Short tons)

Month	Canadian coal				Imported from U.S.A.	Imported from Great Britain
	Output	Received from other provinces	Shipped to other provinces	Exported		
January—						
Anthracite.....					250	12,637
Bituminous.....	36,836	61,776	1,595	4,805	1,882	1,922
Total.....	36,836	61,776	1,595	4,805	2,132	14,559
February—						
Anthracite.....					2,251	16,910
Bituminous.....	39,476	57,316	1,521	5,295	70	1,782
Total.....	39,476	57,316	1,521	5,295	2,321	18,692
March—						
Anthracite.....					397	14,998
Bituminous.....	25,089	29,508	1,216	9,276	1,827	3,470
Total.....	25,089	29,508	1,216	9,276	2,224	18,468
April—						
Anthracite.....						1,087
Bituminous.....	30,269	35,325	318	4,195	30	2,614
Total.....	30,269	35,325	318	4,195	30	3,701
May—						
Anthracite.....					2,116	1,802
Bituminous.....	27,571	37,754	1,359	4,003	34	
Total.....	27,571	37,754	1,359	4,003	2,150	1,802
June—						
Anthracite.....					1,711	2,024
Bituminous.....	23,585	27,018	1,339	6,197	2,132	3,919
Total.....	23,585	27,018	1,339	6,197	3,843	5,943
July—						
Anthracite.....					785	1,997
Bituminous.....	26,110	39,033	2,094	2,353	1,864	
Total.....	26,110	39,033	2,094	2,353	2,649	1,997
August—						
Anthracite.....						4,270
Bituminous.....	22,981	32,647	1,888	8,019	6,970	1,026
Total.....	22,981	32,647	1,888	8,019	6,970	5,296
September—						
Anthracite.....						6,127
Bituminous.....	28,843	56,401	2,956	8,317	1,752	2,202
Total.....	28,843	56,401	2,956	8,317	1,752	8,329
October—						
Anthracite.....					4,205	
Bituminous.....	32,856	49,117	3,274	4,343	150	
Total.....	32,856	49,117	3,274	4,343	4,355	
November—						
Anthracite.....					263	2,572
Bituminous.....	36,325	41,060	2,729	11,059	81	2,251
Total.....	36,325	41,060	2,729	11,059	364	4,823
December—						
Anthracite.....					3,081	9,115
Bituminous.....	38,677	60,723	4,023	6,741	62	3,067
Total.....	38,677	60,723	4,023	6,741	3,143	12,182
Total—						
Anthracite.....					15,079	73,539
Bituminous.....	368,618	527,678	24,312	74,603	16,854	22,253
Total.....	368,618	527,678	24,312	74,603	31,933	95,792

Table 80.—Employees, Salaries and Wages in the Coal Mines of New Brunswick, 1935 and 1936

	1935	1936
Number of salaried employees—		
Male.....	34	32
Female.....	7	6
Number of wage-earners—		
Surface.....	241	258
Underground.....	895	900
Total.....	1,177	1,196
Salaries and wages—		
Salaries.....	\$ 76,918	71,121
Wages.....	\$ 729,600	768,025
Total.....	\$ 806,518	839,146

Table 81.—Employment and Earnings in the Coal Mines of New Brunswick, 1932-1936

	1932	1933	1934	1935	1936
Average number of employees—					
Surface.....	140	209	202	241	258
Underground.....	569	816	833	895	900
Total.....	709	1,025	1,035	1,136	1,158
Days' work done—					
Surface.....	30,049	46,079	46,721	57,118	60,723
Underground.....	125,082	210,129	190,463	207,811	208,134
Total.....	155,131	256,208	237,184	264,929	268,857
Average number of days worked per man per year—					
Surface.....	215	220	231	237	235
Underground.....	220	258	229	232	231
By all wage-earners.....	219	259	239	231	232
Total wages paid.....	\$ 597,664	\$ 861,498	\$ 678,844	\$ 729,600	\$ 768,025

Table 82.—Wage-Earners and Work Done, by Months, in the Coal Mines of New Brunswick, 1936

Month	Number of wage-earners			Days' work done		
	Surface	Under-ground	Total	Surface	Under-ground	Total
January.....	258	980	1,238	5,239	23,014	28,253
February.....	253	998	1,251	5,275	22,657	27,932
March.....	246	971	1,217	3,855	14,816	18,671
April.....	220	937	1,157	4,319	19,656	23,975
May.....	224	870	1,094	4,583	17,193	21,776
June.....	251	857	1,108	4,380	12,347	16,727
July.....	277	801	1,078	4,912	13,769	18,681
August.....	262	809	1,071	4,561	11,890	16,451
September.....	274	856	1,130	5,201	13,552	18,753
October.....	273	866	1,139	5,936	17,333	23,269
November.....	278	916	1,194	6,110	20,828	26,938
December.....	285	944	1,229	6,352	21,079	27,431
Total.....				66,723	208,134	268,857

Table 83.—Wage-Earners Employed in the Coal Mines of New Brunswick, by Classes, 1935 and 1936

Classification	1935			1936		
	Surface	Under-ground	Total	Surface	Under-ground	Total
Administration.....	19		19	20		20
Foremen and officials.....	9	15	24	11	15	26
Clerks.....	11		11	15		15
Screenmen and loaders.....	51		51	58		58
Hand cutters and helpers.....		507	507		493	493
Machine cutters and helpers.....		62	62		78	78
Machine loaders and helpers.....		149	149		183	183
Horse haulage employees.....	3		3	3		3
Mechanical haulage employees.....	1	2	3	1		1
Ventilation employees.....						
Roadmakers.....		18	18		19	19
Timbermen.....	5	29	34	5	24	29
Pumpmen.....	1	5	6	1	4	5
Engineers.....	19	1	20	19		19
Firemen.....	2		2	4		4
Machinists.....	1		1	1		1
Carpenters and masons.....	5		5	7		7
Other mechanics.....	2		2	3		3
All other employees.....	112	107	219	110	84	194
Total.....	241	895	1,136	258	900	1,158

Table 84.—Capital Employed in the Coal Mines of New Brunswick, 1935 and 1936

	1935	1936
	\$	\$
Capital employed as represented by—		
Cost of lands, buildings, machinery and tools.....	1,035,803	1,026,542
Cost of supplies and stock on hand.....	29,591	68,517
Cash, trading and operating accounts and bills receivable.....	263,868	275,622
Total.....	1,329,262	1,370,681

CHAPTER FIVE

QUEBEC

The province of Quebec is entirely dependent upon outside sources for its supply of coal. Nova Scotia mines furnished 74.6 per cent of the demand for bituminous coal in this province in 1936. The quantity of this coal received during the year for consumption within the province was 2,207,954 tons. In addition to this amount, 1,011,511 tons of Nova Scotia coal were consigned to Montreal and thence trans-shipped to Ontario points. The United States shipped 873,225 tons of bituminous coal and 261,645 tons of anthracite coal into Quebec in 1936 (this includes some coal imported into Ontario and then shipped to Quebec), as compared with 735,593 tons of the former and 316,562 tons of the latter in the previous year. Receipts from Great Britain for use within the province consisted of 77,550 tons of bituminous coal and 655,076 tons of anthracite coal. This represents the tonnage remaining within the province as 3,342 tons of the former and 480,746 tons of the latter were imported for trans-shipment to Ontario. Germany supplied 7,100 tons of bituminous coal and 311,511 tons of anthracite coal for consumption in Quebec.

Table 85.—Tonnage of Coal Retained in Quebec for Consumption during
1935 and 1936

(Short tons)

	1935	1936
ANTHRACITE—		
From—Great Britain.....	785,725	702,104
Germany.....	239,016	311,511
Belgium.....		44,543
United States.....	316,562	261,645
French Indo-China.....	8,341	58,051
Netherlands.....		8,951
Total.....	1,349,644	1,386,805
BITUMINOUS—		
From—Great Britain.....	292,117	74,328
United States.....	735,593	873,225
Germany.....		7,100
Norway, Estonia, Denmark, Sweden and Newfoundland.....	341	985
Total Imported.....	1,029,051	955,638
Nova Scotia (including coal for railroads).....	1,721,849	2,207,954
New Brunswick.....	13,855	20,927
Total Canadian.....	1,735,704	2,228,781

Table 86.—Exports of Canadian Coal through Quebec Ports, 1932-1936

(Short tons)

Port	1932	1933	1934	1935	1936
Athelstan.....			50		
Coaticook.....					
Lake Megantic.....	4			2	4
Montreal.....				75	6
Rock Island.....	12				
St. John's.....	50				
Sturgeon.....					8
Three Rivers.....					
Total.....	66		50	77	18

Table 87.—Imports into Quebec of Anthracite and Bituminous Coal, by Ports of Entry, 1935 and 1936*

(Short tons)

[illegible]

Table 87.—Imports into Quebec of Anthracite and Bituminous Coal, by Ports of Entry, 1935 and 1936*—Concluded

(Short tons)

Port	Source	1935					1936				
		Anthracite			Bituminous, all grades	Total	Anthracite			Bituminous, all grades	Total
		Grate, egg, stove, nut and pea	Screenings or dust and n.o.p.	Total			Grate, egg, stove, nut, doubles, cobbles and trebles	Screenings or dust	Peas, beans and smaller sizes n.o.p.		
Rimouski..	U.S.						28		28		28
	G.B.	3,391		3,391		3,391	854		2,080	2,934	2,934
Rock Isl.	U.S.	803	97	900	370	1,270	547		340	887	949
St. Armand.	U.S.	314	529	843	50	893	231		816	1,047	1,057
St. Hyacinthe	U.S.	128	185	313	102	415	154		294	438	527
St. John's	U.S.	146,347	45,917	192,264	53,109	245,373	115,354	3	26,638	141,995	217,296
Shawinigan	U.S.										
Falls	U.S.	136		136	65	201	85		85	135	220
Sherbrooke.	U.S.	2,771	11,659	14,430	2,555	16,985	2,868		18,718	21,586	21,088
	G.B.										
Sorel	U.S.	820	207	1,027	10,202	11,229	1,689		67	1,756	27,662
	G.B.				14,433	14,433					
Sutton.	U.S.	3		3	7	10			3	3	5
	G.B.										
Three Rivers	U.S.	4,256		4,256	91	4,347	5,433		46	5,479	6,848
	G.B.	11,687	2,423	14,110	7,378	21,488	6,282		3,404	9,686	14,946
	Germany	3,696		3,696		3,696	4,148			4,148	4,148
Valleyfield.	U.S.	3,607	249	3,856	257	4,113	3,896		346	4,242	4,402
Total	U.S.	247,005	69,557	316,562	459,761	776,323	288,196	3	53,446	261,645	906,651
	G.B.	1,234,266	85,931	1,320,197	296,281	1,616,478	741,766		417,766	1,159,532	1,237,202
	Germany	201,679		201,679		201,679	318,327	58	37,567	255,952	363,052
	Belgium	67,220		67,220		67,220	37,055		7,488	44,543	44,543
	French Indo-China	24,687		24,687		24,687	31,103		57,599	88,702	88,702
	Norway				285	285					361
	Sweden										45
	Denmark										124
	Netherlands						8,951		8,951	35	8,986
	Newfoundland									286	286
	Es-thonia				55	55				134	134
	Poland				1	1					
Grand total		1,774,867	155,488	1,930,345	756,383	2,686,728	1,345,398	61	573,866	1,919,325	2,650,066

* The total tonnage received at Quebec ports of entry. See page 4, section 2, for explanation.

Table 88.—Summary Statistics for Quebec in 1936—Exports, Interprovincial Shipments and Imports*, by Months and by Kinds
(Short tons)

Month	Canadian coal		Imported from U.S.A.	Imported from Great Britain	Imported from Germany	Imported from Belgium	Imported from French Indo-China	Imported from Netherlands	Imported from Norway	Imported from Newfoundland	Imported from other countries
	†Received from other provinces	Exported									
January—											
Anthracite.....			16,386								
Bituminous.....	22,640	1	15,265								
Total.....	22,640	1	31,651								
February—											
Anthracite.....			20,791								
Bituminous.....	22,643		18,956								
Sub-bituminous.....											
Total.....	22,643		39,747								
March—											
Anthracite.....			20,712								
Bituminous.....	25,318	1	23,626								
Total.....	25,318	1	44,338								
April—											
Anthracite.....			5,838	67,008							
Bituminous.....	165,785		9,255	9,015							
Total.....	165,785		15,093	76,023							
May—											
Anthracite.....			27,199	198,206	16,474						
Bituminous.....	401,054	1	51,669	9,219					33		
Total.....	401,054	1	78,868	207,425	16,474				33		
June—											
Anthracite.....			39,287	211,400	31,942	8,175	8,783				
Bituminous.....	490,140		102,988	12,639					209		
Total.....	490,140		142,275	224,039	31,942	8,175	8,783		209		
July—											
Anthracite.....			23,822	190,627	56,185	7,392					
Bituminous.....	486,805		95,284	11,724	1,324			35	49	5	149
Total.....	486,805		119,106	202,351	57,509	7,392		35	49	5	149
August—											
Anthracite.....			13,174	117,193	46,445	6,624	35,978				
Bituminous.....	480,996		70,162	5,156							134
Total.....	480,996		83,326	122,349	46,445	6,624	35,978				134
September—											
Anthracite.....			21,627	123,347	46,469	8,312	9,148				
Bituminous.....	420,325		62,739	5,275	2,442				5		
Total.....	420,325		84,366	128,622	48,911	8,312	9,148		5		
October—											
Anthracite.....			29,004	144,063	69,268		25,619				
Bituminous.....	400,692	2	71,995	13,552						281	20
Total.....	400,692	2	100,999	157,615	69,268		25,619			281	20
November—											
Anthracite.....			18,783	89,542	43,430	7,890	9,174	8,951			
Bituminous.....	295,597	10	85,509	8,789					65		
Total.....	295,597	10	104,292	98,331	43,430	7,890	9,174	8,951	65		
December—											
Anthracite.....			25,022	18,086	45,739	6,250					
Bituminous.....	29,155	3	37,568	2,301	3,334						
Total.....	29,155	3	62,590	20,387	49,073	6,250					
Total—											
Anthracite.....			261,645	1,159,532	355,952	41,543	88,792	8,951			303
Bituminous.....	3,211,150	18	645,006	77,670	7,100			35	361	286	
Sub-bituminous.....											
Total.....	3,211,150	18	966,651	1,237,202	363,052	41,543	88,792	8,986	361	286	303

*Direct imports into Quebec.

†These are direct shipments from Nova Scotia and New Brunswick mines.

CHAPTER SIX

ONTARIO

Ontario continues to obtain its entire coal requirements from outside sources. In 1936, the United States was Ontario's principal source of supply, shipping 9,576,894 tons into this province for consumption in the central area; this quantity included 1,377,965 tons of anthracite coal and 8,198,929 tons of bituminous coal. An additional 228,219 tons of bituminous coal were consigned to this area for trans-shipment to Quebec. Direct importations from Great Britain into Ontario consisted of 51,503 tons of anthracite coal; in addition, 480,746 tons of the former were trans-shipped from Montreal, Quebec, and Saint John, New Brunswick, to Ontario points, and 3,342 tons of bituminous coal were received from Montreal. There were no direct importations of German and French Indo-Chinese anthracite coal into Ontario in 1936 but the following tonnages were received ex-Montreal: German, 44,441 tons and French Indo-Chinese, 30,651 tons. The Netherlands shipped 7,280 tons direct to Ontario points. Nova Scotia operators shipped 33,705 tons direct from their mines to Ontario in 1936; trans-shipments from stock at Montreal into this province totalled 1,011,511 tons. Alberta mines shipped 4,594 tons of bituminous coal, 21,846 tons of sub-bituminous coal, and 39,732 tons of lignite coal into Ontario in 1936. Shipments received from the Crow's Nest Pass district in British Columbia amounted to 19,742 tons as against 14,274 tons a year ago. Saskatchewan supplied Ontario consumers with 10,009 tons of lignite coal in 1936; in the preceding year the total was 4,609 tons.

Table 89.—Tonnage of Coal Retained in Ontario for Consumption during
1935 and 1936

(Short tons)

	1935	1936
ANTHRACITE—		
From—Great Britain, imported direct	29,657	51,503
Great Britain, received ex-Montreal*	538,496	480,746
Belgium, received ex-Montreal	29,883	44,441
Germany, received ex-Montreal	29,760	
French Indo-China, imported direct	16,346	30,651
French Indo-China, received ex-Montreal		7,280
Netherlands, imported direct	1,310,967	1,388,829
United States, imported direct		
Total	1,955,109	2,003,450
BITUMINOUS—		
From—Great Britain, imported direct	860	3,342
Great Britain, received ex-Montreal	3,184	9,044,108
United States	8,325,718	33,705
Nova Scotia, received ex-mines	5,454	1,011,511
Nova Scotia, received ex-Montreal	920,970	1,181
New Brunswick, received ex-mines		26,440
Alberta (including sub-bituminous)	27,290	19,742
British Columbia	14,274	
Total	9,297,736	10,140,029
LIGNITE—		
From—Saskatchewan	4,609	10,009
Alberta	14,274	39,739
Total	18,883	49,748

*Includes a small quantity received ex-Saint John, New Brunswick.

Table 90.—Exports of Canadian Coal through Ontario Ports, 1932-1936

(Short tons)

Port	1932	1933	1934	1935	1936
Bridgeburg					
Fort Frances	6		1	106	111
Niagara Falls				1	
Sarnia				1	
Toronto	2				
Total	8		1	108	111

Table 91.—Imports into Ontario of Anthracite and Bituminous Coal, by Ports of Entry, 1935 and 1936*

(Short tons)

Port	Source	1935			1936					
		Anthracite	Bituminous, all grades	Total	Anthracite			Total	Bituminous, all grades	Total
					Grate, egg, stove, nut, doubles, cobbles and trebles	Screenings or dust	Peas, beans and smaller sizes n.o.p.			
CENTRAL ONTARIO—										
Amherstburg.....	U.S.	5,562	86,419	91,981	7,468		82	7,550	63,820	71,370
Belleville.....	U.S.	9,348	17,444	26,792	11,246		1,061	12,307	35,668	47,975
Bowmanville.....	U.S.	4,508		735	4,736		259	4,995	1,039	6,034
Brantford.....	U.S.	31,979	27,481	59,460	31,595		4,626	36,221	27,383	63,604
Brockville.....	U.S.	13,768	9,256	23,024	11,174		3,296	14,470	10,554	25,024
Chatham.....	U.S.	3,089	575,449	578,538	4,533		236	4,769	506,889	511,658
Cobourg.....	U.S.	9,301	125,313	134,614	9,208		116	9,324	113,719	123,043
Collingwood.....	U.S.	5,178	5,891	11,069	4,988		577	5,565	4,277	9,842
Cornwall.....	U.S.	8,130	1,529	9,659	6,304		1,109	7,413	4,584	11,997
Fort Erie.....	U.S.	58,265	48,519	106,784	68,872	455	6,823	76,150	51,911	128,061
Fort Frances.....	U.S.	19	53,145	53,164	135			135	67,784	67,919
Galt.....	U.S.	20,787	31,302	52,089	21,201		1,498	22,699	32,280	54,979
Gananoque.....	U.S.	2,851	3,005	5,856	2,742		175	2,917	3,053	5,970
Goderich.....	U.S.	15,693	32,035	47,728	12,310	43	489	12,848	31,980	44,828
Guelph.....	U.S.	24,062	40,289	64,351	24,502	45	2,656	27,203	33,191	60,394
Hamilton.....	U.S.	99,859	1,177,418	1,277,277	89,016	228	19,634	108,878	1,290,477	1,399,355
	G.B.				1,178			1,178		1,178
Ingersoll.....	U.S.	6,508	14,403	20,911	7,579		116	7,695	16,237	23,932
Kenora.....	U.S.									
Kingston.....	U.S.	22,150	41,699	63,849	20,265		3,818	24,083	35,505	59,588
Kitchener.....	U.S.	28,284	74,824	103,108	27,651		2,578	30,229	76,522	106,751
Lindsay.....	U.S.	7,193	4,826	12,019	7,225		446	7,671	8,388	11,059
London.....	U.S.	62,553	66,188	128,741	49,427		3,684	53,111	35,434	88,545
Midland.....	U.S.	2,311	194,075	196,386	1,907		460	2,367	191,854	194,221
Morrisburg.....	U.S.	3,129	11,050	14,179	2,807		91	2,898	22,339	25,237
Napanee.....	U.S.	4,665	15,875	20,540	4,040		309	4,349	14,380	18,729
Niagara Falls.....	U.S.	46,581	187,678	234,259	48,610		9,218	57,828	194,804	252,632
North Bay.....	U.S.	6,411	20,872	27,283	5,160		130	5,290	21,131	26,421
Orillia.....	U.S.	6,673	3,123	9,796	6,658		651	7,309	3,153	10,462
Oshawa.....	U.S.	17,289	57,222	74,511	16,677		1,061	17,738	33,956	51,694
Ottawa.....	U.S.	70,161	57,084	127,245	44,621		10,046	54,667	66,270	109,937
	G.B.									
Owen Sound.....	U.S.	2,586	14,928	17,514	2,321		318	2,639	14,719	17,358
Paris.....	U.S.	7,876	9,195	17,071	8,883		708	9,591	8,469	18,060
Parry Sound.....	U.S.	1,185	502,971	504,156	1,124		26	1,150	567,249	568,399
Peterborough.....	U.S.	18,042	8,346	26,388	16,377		1,229	17,606	7,407	25,013
Pictou.....	U.S.	4,851	4,918	9,769	4,530			4,530	6,430	9,960
Port Hope.....	U.S.	6,598	13,749	20,347	6,121	48	262	6,431	17,945	24,376
Port McNicoll.....	U.S.		43	43						
Prescott.....	U.S.	8,419	489,470	497,889	7,017		579	7,596	448,103	455,699
St. Catharines.....	U.S.	32,512	93,737	126,249	31,665	28	3,222	34,915	175,574	210,489

* The total tonnage received at Ontario ports of entry. See page 4, section 2, for explanation.

Table 91.—Imports into Ontario of Anthracite and Bituminous Coal, by Ports of Entry, 1935 and 1936*—Concluded

(Short tons)

Port	Source	1935			1936				
		Anthracite	Bituminous, all grades	Total	Anthracite			Bituminous, all grades	Total
					Grate, egg, stove, nut, doubles, cobbles and trebles	Screenings or dust	Peas, beans and smaller sizes n.o.p.		
St. Thomas.....	U.S.	15,624	100,546	116,170	16,744	.....	626	81,962	98,332
Sarnia.....	U.S.	2,582	460,165	462,747	3,843	5,520	67	560,631	570,061
Sault Ste. Marie.....	U.S.	2,337	796,077	798,414	3,562	.....	25	883,824	867,411
Simcoe.....	U.S.	2,898	14,324	17,222	3,879	.....	72	14,334	18,285
Stratford.....	U.S.	33,221	31,799	65,020	40,546	.....	6,501	34,123	81,179
Sudbury.....	U.S.	6,898	7,472	14,370	6,173	.....	323	7,106	13,602
Tillsonburg.....	U.S.	1,509	250,574	252,083	3,534	.....	58	331,029	334,621
Toronto.....	U.S.	505,015	1,367,452	1,872,467	456,584	304	46,924	1,311,873	1,815,685
	G.B.	29,657	860	30,517	31,007	.....	19,318	50,325	50,325
	Fren.	.....	.....	.....	.....	.....	.....	.....	.....
	Indo-China	29,760	.....	29,760	.....	.....	.....	.....	.....
	Netherlands	.....	.....	.....	.....	.....	7,280	.....	7,280
Trenton.....	U.S.	4,823	32,288	37,111	5,443	54	70	23,148	28,715
Wallaceburg.....	U.S.	276	21,760	22,036	363	.....	.....	21,749	22,112
Welland.....	U.S.	29,076	186,811	215,887	28,290	.....	4,003	248,356	281,249
Whitby.....	U.S.	7,207	571	7,778	952	.....	24	.....	976
Windsor.....	U.S.	6,781	675,642	682,423	11,741	1,020	325	774,359	787,445
Woodstock.....	U.S.	14,106	18,025	32,131	14,888	69	1,701	16,607	33,265
TOTAL FOR CENTRAL ONTARIO.....	U.S.	1,310,721	8,085,024	9,395,745	1,227,243	7,814	142,908	8,516,579	9,894,544
	G.B.	29,657	860	30,517	32,185	.....	19,318	51,503	51,503
	Fren.	.....	.....	.....	.....	.....	.....	.....	.....
	Indo-China	29,760	.....	29,760	.....	.....	.....	.....	.....
	Netherlands	.....	.....	.....	.....	.....	7,280	.....	7,280
HEAD OF LAKES—									
Fort William.....	U.S.	9,455	591,810	601,265	16,350	.....	.....	688,950	705,300
Port Arthur.....	G.B.	.....	.....	.....	.....	.....	.....	.....	.....
	U.S.	.....	6,033	6,033	.....	.....	.....	156,229	156,229
TOTAL HEAD OF LAKES	U.S.	9,455	597,843	607,298	16,350	.....	.....	845,179	861,529
	G.B.	.....	.....	.....	.....	.....	.....	.....	.....
Total for Ontario.....	U.S.	1,320,176	8,682,867	10,003,043	1,243,593	7,814	142,908	9,361,758	10,756,073
	G.B.	29,657	860	30,517	32,185	.....	19,318	51,503	51,503
	Fren.	.....	.....	.....	.....	.....	.....	.....	.....
	Indo-China	29,760	.....	29,760	.....	.....	.....	.....	.....
	Netherlands	.....	.....	.....	.....	.....	7,280	.....	7,280
Grand total.....		1,379,593	8,693,727	10,063,320	1,275,778	7,814	169,506	9,361,758	10,814,856

* The total tonnage received at Ontario ports of entry.—See page 4, section 2, for explanation.

Table 92.—Summary Statistics for Ontario in 1936—Interprovincial Shipments, Exports, Imports* and Coal made Available for Consumption, by Months and by Kinds

(Short tons)

Month	Central Ontario					Head of Lakes		Total Ontario	
	Canadian coal		Imported from U.S.A.	Imported from Great Britain	Imported from Netherlands	Coal available for consumption	Received from other provinces	Imported from United States	Coal available for consumption
	†Received from other provinces	Exported							
January—									
Anthracite.....			121,626			121,626			121,626
Bituminous.....	342		267,129			267,471	2,065		269,536
Sub-bituminous.....	2,659					2,659			2,659
Lignite.....	7,428	25				7,403			7,403
Total.....	10,429	25	388,755			399,159	2,065		401,224
February—									
Anthracite.....			179,845			179,845			179,845
Bituminous.....	280	25	276,199			276,454			276,454
Sub-bituminous.....	2,413					2,413			2,413
Lignite.....	7,499					7,499			7,499
Total.....	10,192	25	456,044			466,211			466,211
March—									
Anthracite.....			121,545			121,545			121,545
Bituminous.....	243	2	308,397			308,638	2,174		310,812
Sub-bituminous.....	596					596			596
Lignite.....	2,078					2,078			2,078
Total.....	2,917	2	429,942			432,857	2,174		435,031
April—									
Anthracite.....			52,139			52,139			52,139
Bituminous.....	496		335,299			335,795	1,615		337,410
Sub-bituminous.....	95					95			95
Lignite.....	1,060					1,060			1,060
Total.....	1,651		387,438			389,089	1,615		390,704
May—									
Anthracite.....			140,507	7,267		147,774		6,199	153,973
Bituminous.....			820,284			820,284	1,760	72,098	894,142
Sub-bituminous.....	64					64			64
Lignite.....	716	25				691			691
Total.....	780	25	960,791	7,267		968,813	1,760	78,297	1,048,870
June—									
Anthracite.....			121,760	14,351		136,111			136,111
Bituminous.....	2,548		1,049,134			1,051,682	1,338	62,462	1,115,482
Sub-bituminous.....	588					588			588
Lignite.....	1,022					1,022			1,022
Total.....	4,158		1,170,894	14,351		1,189,403	1,338	62,462	1,253,203
July—									
Anthracite.....			74,653	1,334		75,987		6,115	82,102
Bituminous.....	264		798,443			798,707	1,637	131,285	931,629
Sub-bituminous.....	490					490			490
Lignite.....	2,121					2,121			2,121
Total.....	2,875		873,096	1,334		877,305	1,637	137,400	1,016,342
August—									
Anthracite.....			79,659	4,985	7,280	91,924			91,924
Bituminous.....	2,446		947,339			949,785	2,201	182,716	1,131,702
Sub-bituminous.....	1,012					1,012			1,012
Lignite.....	963					963			963
Total.....	4,421		1,026,998	4,985	7,280	1,043,684	2,201	182,716	1,228,601
September—									
Anthracite.....			106,754			106,754		3,136	109,890
Bituminous.....	19,917		836,573			856,490	685	145,990	1,003,165
Sub-bituminous.....	2,673					2,673			2,673
Lignite.....	4,037					4,037			4,037
Total.....	26,627		943,327			969,954	685	149,126	1,119,765

Table 92.—Summary Statistics for Ontario in 1936—Interprovincial Shipments, Exports, Imports* and Coal made Available for Consumption, by Months and by Kinds—Concluded

(Short tons)

Month	Central Ontario					Head of Lakes		Total Ontario	
	Canadian coal		Imported from U.S.A.	Imported from Great Britain	Imported from Netherlands	Coal available for consumption	Received from other provinces	Imported from United States	Coal available for consumption
	†Received from other provinces	Exported							
October—									
Anthracite.....			137,983	7,704		145,687			145,687
Bituminous.....	10,457		1,033,100			1,043,557	2,642	74,802	1,121,001
Sub-bituminous.....	4,865					4,865			4,865
Lignite.....	8,170					8,170			8,170
Total.....	23,492		1,171,083	7,704		1,202,279	2,642	74,802	1,278,723
November—									
Anthracite.....			106,085	10,348		116,433		900	117,333
Bituminous.....	715		1,070,364			1,071,079	1,530	117,523	1,190,132
Sub-bituminous.....	3,490					3,490			3,490
Lignite.....	7,168					7,168			7,168
Total.....	11,373		1,176,449	10,348		1,198,170	1,530	118,423	1,318,123
December—									
Anthracite.....			135,409	5,514		140,923			140,923
Bituminous.....	1,271		774,318			775,589	2,095	58,303	835,987
Sub-bituminous.....	2,901					2,901			2,901
Lignite.....	7,486	34				7,452			7,452
Total.....	11,658	34	909,727	5,514		926,865	2,095	58,303	987,263
Total—									
Anthracite.....			1,377,965	51,503	7,290	1,436,748		16,350	1,453,098
Bituminous.....	38,979	27	8,616,579			8,555,531	19,742	845,179	9,420,452
Sub-bituminous.....	21,846					21,846			21,846
Lignite.....	49,748	84				49,664			49,664
Total.....	110,573	111	9,894,544	51,503	7,290	10,063,789	19,742	861,529	10,945,060

*Direct imports into Ontario. See text for transshipments from Quebec.

†Direct shipments from mines.

CHAPTER SEVEN

MANITOBA

Manitoba produced 4,029 tons of coal in 1936 as compared with 3,106 tons in the preceding year. As in previous years, the 1936 output was obtained from the lignite seams near Deloraine.

Manitoba's demand for coal is supplied principally by Alberta, Saskatchewan, British Columbia and the United States. In 1936, Alberta shipped 449,251 tons of coal into Manitoba as against 441,091 tons in 1935. The 1936 shipments included 140,171 tons of bituminous coal, 76,449 tons of sub-bituminous coal, and 232,631 tons of lignite coal. Receipts of lignite coal from Saskatchewan were 7.1 per cent higher in 1936 at 433,004 tons. The Crow's Nest Pass district in British Columbia shipped 100,900 tons into Manitoba; this represented an increase of 5,254 tons during the year.

Imports of coal into Manitoba, from the United States, are cleared, in the main part, through Fort William and Port Arthur. During 1936, importations through these two ports totalled 861,529 tons. Direct imports into Manitoba during the year amounted to 20,153 tons.

Table 93.—Disposition of Coal from Manitoba Mines, by Grades, 1935 and 1936

(Short tons)

Disposition	1935		1936	
	Quantity	Value	Quantity	Value
		\$		\$
Supplied to employees for domestic consumption.....				
Shipped.....	*2,986	7,258	3,850	9,097
Used under colliery boilers.....	120	150	173	428
Total disposition.....	3,106	7,408	4,029	9,525

* Includes small quantity used by employees.

Table 94.—Exports of Canadian Coal through Manitoba Ports, 1932-1936

(Short tons)

Port	1932	1933	1934	1935	1936
Brandon.....	92	519	800	188	192
Emerson.....	191	116	58	38	108
Gretna.....	233	23			
Winnipeg.....	804	560	576	377	820
Total.....	1,320	1,218	1,434	603	1,120

Table 95.—Imports into Manitoba and the Head of Lakes, of Anthracite, Bituminous and Lignite Coal, by Ports of Entry, 1935 and 1936*

(Short tons)

Port	Source	1935				1936							
		Anthracite	Bituminous, all grades	Lignite	Total	Anthracite				Total	Bituminous, all grades	Lignite	Total
						Grate, egg, stove, nut, doubles, cobbles, and trebles	Screenings or dust	Peas, beans and smaller sizes n.o.p.					
MANITOBA—													
Brandon.....	U.S.....		85	285	370						163	48	211
Emerson.....	U.S.....		34	6	40						42		42
Gretna.....	U.S.....	31	15	105	151						11	120	131
Portage la Prairie.....	U.S.....												
Winnipeg.....	U.S.....	5,440	8,853		11,293	1,345		4,363	5,708	13,286			18,974
	G.B.....	381	931		1,312	176			176	619			795
Total for Manitoba.....	U.S.....	5,471	8,987	396	14,854	1,345		4,363	5,708	13,482	168		19,358
	G.B.....	381	931		1,312	176			176	619			795
HEAD OF LAKES—													
Fort William.....	U.S.....	9,455	591,810		601,265	16,350			16,350	688,950			705,300
	G.B.....												
Port Arthur.....	U.S.....		6,033		6,033					156,229			156,229
Total Head of Lakes.....	U.S.....	9,455	597,843		607,298	16,350			16,350	845,179			861,529
	G.B.....												
Total.....		9,455	597,843		607,298	16,350			16,350	845,179			861,529
Total for Manitoba and Head of Lakes.....	U.S.....	14,926	606,830	396	622,152	17,695		4,363	22,058	858,661	168		880,887
	G.B.....	381	931		1,312	176			176	619			795
Grand Total.....		15,307	607,761	396	623,464	17,871		4,363	22,234	859,280	168		881,682

* The total tonnage received at Manitoba ports of entry. See page 4, section 2, for explanation.

Table 96.—Summary Statistics for Manitoba in 1936.—Interprovincial Shipments, Exports, Imports and Coal Made Available for Consumption (exclusive of Tonnage Cleared at Head of Lakes, some of which entered Manitoba), by Months and by Kinds

(Short tons)

Month	Canadian coal			Imported from U.S.A.	Imported from Great Britain	Coal available for consumption
	Output	Received from other provinces	Exported			
January—						
Anthracite.....				633		633
Bituminous.....		29,468	39	1,197		30,626
Sub-bituminous.....		14,657				14,657
Lignite.....	561	118,017	153			118,425
Total.....	561	162,142	192	1,830		164,341
February—						
Anthracite.....				780		780
Bituminous.....		28,388	40	838		29,186
Sub-bituminous.....		10,681				10,681
Lignite.....	568	113,361	48	30		113,911
Total.....	568	152,430	88	1,648		154,558
March—						
Anthracite.....				563		563
Bituminous.....		19,658	112	1,365		20,911
Sub-bituminous.....		3,114				3,114
Lignite.....	511	36,869	93	29		37,316
Total.....	511	59,641	205	1,957		61,904

Table 96.—Summary Statistics for Manitoba in 1936—Interprovincial Shipments, Exports, Imports and Coal Made Available for Consumption (exclusive of Tonnage Cleared at Head of Lakes some of which entered Manitoba) by Months and by Kinds—Concluded

(Short tons)

Month	Canadian coal			Imported from U.S.A.	Imported from Great Britain	Coal available for consumption
	Output	Received from other provinces	Exported			
April—						
Anthracite.....				279		279
Bituminous.....		16,338		1,931		18,269
Sub-bituminous.....		1,414				1,414
Lignite.....	114	23,423				23,537
Total.....	114	41,175		2,210		43,499
May—						
Anthracite.....				352		352
Bituminous.....		13,899	20	642		14,521
Sub-bituminous.....		1,161				1,161
Lignite.....		13,558	16			13,542
Total.....		28,618	36	994		29,570
June—						
Anthracite.....				173		173
Bituminous.....		12,457		592		13,049
Sub-bituminous.....		698				698
Lignite.....		13,065				13,065
Total.....		26,220		765		26,985
July—						
Anthracite.....				576		576
Bituminous.....		13,512		1,159		14,671
Sub-bituminous.....		1,398				1,398
Lignite.....		13,401				13,401
Total.....		28,311		1,735		30,046
August—						
Anthracite.....				359		359
Bituminous.....		14,540		664		15,204
Sub-bituminous.....		3,058				3,058
Lignite.....		13,856				13,856
Total.....		31,454		1,023		32,477
September—						
Anthracite.....				525	176	701
Bituminous.....		15,967	26	811	619	17,371
Sub-bituminous.....		6,143				6,143
Lignite.....	93	37,405				37,498
Total.....	93	59,515	26	1,336	795	61,713
October—						
Anthracite.....				445		445
Bituminous.....		22,881	166	2,641		25,356
Sub-bituminous.....		11,746				11,746
Lignite.....	781	101,670	44	28		102,435
Total.....	781	136,297	210	3,114		139,982
November—						
Anthracite.....				518		518
Bituminous.....		24,110	109	805		24,806
Sub-bituminous.....		11,110				11,110
Lignite.....	1,011	75,215	150	79		76,155
Total.....	1,011	110,435	259	1,402		112,589
December—						
Anthracite.....				505		505
Bituminous.....		29,853	63	837		30,627
Sub-bituminous.....		11,269				11,269
Lignite.....	390	105,795	41	2		106,146
Total.....	390	146,917	104	1,344		148,547
Total—						
Anthracite.....				5,708	176	5,884
Bituminous.....		241,071	575	13,482	619	254,597
Sub-bituminous.....		76,449				76,449
Lignite.....	4,029	665,635	545	168		669,287
Total.....	4,029	983,155	1,120	19,358	795	1,006,217

Table 97.—Employment and Earnings in the Coal Mines of Manitoba, 1935 and 1936

	1935	1936
Average number of wage-earners—		
Surface.....	3	4
Underground.....	9	11
Total.....	12	15
Days' work done—		
Surface.....	662	829
Underground.....	1,909	2,383
Total.....	2,571	3,212
Average number of days worked per man per year—		
Surface.....	221	207
Underground.....	213	217
By all wage-earners.....	214	214
Total wages paid.....	\$ 2,954	\$ 3,815

Table 98.—Wage-Earners Employed and Work Done, by Months, in the Coal Mines of Manitoba, in 1935 and 1936

Month	Number of employees			Days' work done		
	Surface	Under-ground	Total	Surface	Under-ground	Total
1935						
January.....	7	21	28	147	427	574
February.....	7	17	24	126	310	436
March.....	7	12	19	80	158	238
April.....	1	1	2	13	26	39
October.....	6	14	20	44	116	160
November.....	6	20	26	128	423	551
December.....	6	23	29	124	462	586
Total.....				662	1,909	2,571
1936						
January.....	7	21	28	118	335	453
February.....	7	17	24	139	341	480
March.....	7	16	23	106	242	348
April.....	3	7	10	24	56	80
September.....	3	3	6	30	30	60
October.....	7	22	29	166	524	690
November.....	7	26	33	156	585	741
December.....	7	17	24	90	270	360
Total.....				829	2,383	3,212

CHAPTER EIGHT

SASKATCHEWAN

The output of coal in Saskatchewan during 1936 advanced to 1,020,792 tons, or 10·7 per cent above the 1935 total of 921,785 tons. Active mines in this province produced approximately 74 per cent of their output; lack of orders accounted for 25·3 per cent of the production loss. This cause was responsible for a loss of 67,216 man-days work or an estimated output loss of 347,518 tons, while mine disability and other causes accounted for a production loss of 7,954 tons.

Shipments of coal from Saskatchewan mines, for consumption within the province, increased slightly in 1936 to 521,473 tons. Shipments to Manitoba were 7·1 per cent higher at 433,004 tons. Other shipments during the year consisted of 10,009 tons to Ontario, 2,637 tons for railroad use and 485 tons to the United States.

Retail coal dealers purchased 563,000 tons of Saskatchewan coal in 1936; 30 per cent of this coal was classed as cobble, 23 per cent as lump, 17 per cent as nut, 10 per cent as run of mine, and the remainder as egg and slack. Industrial users purchased 259,000 tons of which 54 per cent was nut and 35 per cent slack. Domestic consumers received 145,000 tons direct from the mines; 86 per cent of this tonnage was run of mine.

Table 99.—Output of Coal from Saskatchewan Mines, 1887-1936

Calendar year	Short tons	Value	Calendar year	Short tons	Value	Calendar year	Short tons	Value
		\$			\$			\$
1887.....	(a) 400	800	1905.....	107,596	152,334	*1923.....	438,100	858,448
1888.....			1906.....	108,398	164,146	*1924.....	470,118	886,668
1889.....			1907.....	151,232	252,437	*1925.....	471,965	870,875
1890.....	200	200	1908.....	150,550	253,790	*1926.....	439,803	819,805
1891.....			1909.....	192,125	296,333	*1927.....	470,216	868,867
1892.....	5,400	9,325	1910.....	181,156	293,929	*1928.....	471,713	831,491
1893.....	8,325	12,485	1911.....	206,779	347,248	*1929.....	580,189	993,226
1894.....	(b) 15,051	15,153	1912.....	225,342	368,135	*1930.....	579,424	968,863
1895.....	15,769	31,538	1913.....	212,897	358,192	*1931.....	662,836	945,259
1896.....	16,706	25,059	1914.....	232,299	374,245	*1932.....	887,139	1,229,449
1897.....	25,000	37,500	1915.....	240,107	365,246	*1933.....	927,649	1,285,990
1898.....	25,000	37,500	1916.....	281,300	441,836	*1934.....	909,288	1,241,130
1899.....	25,000	37,500	1917.....	355,445	662,451	*1935.....	921,785	1,203,608
1900.....	40,500	60,750	1918.....	346,847	722,148	*1936.....	1,020,792	1,463,680
1901.....	45,000	72,000	*1919.....	379,347	819,390			
1902.....	70,400	112,640	*1920.....	335,222	797,828			
1903.....	116,703	169,618	*1921.....	335,632	823,180			
1904.....	124,885	187,021	*1922.....	382,437	802,053			
						Total..	14,219,073	23,661,435

(a) From Turtle Mountain district, Manitoba.

(b) Including a small quantity from the Turtle Mountain district, Manitoba.

*For the years 1919-1936 the tonnage shown is the total output from all mines, for previous years the figures given include only sales, colliery consumption and coal used by the operators.

Table 100.—Output of Coal from Saskatchewan Mines, by Months, 1932-1936

(Short tons)

Month	1932	1933	1934	1935	1936
January.....	110,505	130,121	125,095	145,695	147,055
February.....	112,934	119,071	94,822	79,756	149,828
March.....	85,140	71,938	77,281	79,243	69,000
April.....	37,360	34,957	34,206	45,140	46,173
May.....	16,586	20,739	25,740	28,942	27,765
June.....	15,369	19,916	21,421	23,589	26,453
July.....	19,075	18,447	23,575	23,952	26,415
August.....	19,330	26,363	31,109	33,982	30,526
September.....	51,814	67,330	86,167	93,375	80,956
October.....	130,498	146,510	136,036	132,740	161,727
November.....	146,312	129,396	115,787	153,369	119,862
December.....	140,216	142,861	136,749	121,993	134,126
Total.....	887,139	927,649	909,288	921,785	1,020,792

Table 101.—Output of Coal by Principal Collieries in Saskatchewan for 1934-1936
(Average of 500 tons or more per month)

(Short tons)

Name	Address	1934	1935	1936
Banks, H.	Taylorlton	5,625	7,753	9,686
Baniulis Bros.	Roche Percee	8,722	11,207	8,318
Bienfait Mines, Ltd.	Bienfait	88,115	107,001	125,590
Blue Flame Coal Mines Ltd.	Leakville	2,531	1,832	476
Crescent Collieries, Ltd.	Bienfait	60,566	48,738	14,536
Eastern Collieries of Bienfait, Ltd.	Estevan	57,104	62,543	72,323
High Test Lignite Coal Co. Ltd. (formerly Bienfait Commercial Co.)	Bienfait	510	589	5,373
Jenish Bros.	Estevan	5,673	7,077	8,898
Lignite Coal Mines, Ltd.	Pinto	21,751	25,673	30,814
Manitoba and Saskatchewan Coal Co., Ltd.	503 Avenue Block, Winnipeg, Man.	128,604	179,006	218,015
Matheson & Uhrich	Taylorlton	3,170	2,414	5,695
Moose Jaw Coal Mine Ltd.	Regina	2,381		
Poage, H. B.	Roche Percee	17,091	24,849	23,466
Rock Springs Coal Co.	Taylorlton	3,066	4,498	6,448
Shand Coal and Brick Co.	Shand	21,815	20,947	8,302
Truax Traer Coal Co., Ltd.	Estevan	227,556	228,831	263,399
Western Dominion Coal Mines, Ltd.	Taylorlton	121,860	72,191	69,320
Western Lignite Coal Mine	Bienfait		75	5,865
All other operators		133,148	116,561	144,268
Total		909,288	921,785	1,020,792

Table 102.—Tonnage Lost in Saskatchewan Coal Mines, Showing the Relative Percentage Produced and Lost, with an Analysis of the Percentage Lost, 1935 and 1936

Year	Per cent produced	Per cent lost	Percentage lost through				
			Absenteeism	Lack of orders	Car shortage	Mine disability	Other causes
1935	67	33		32.8		0.2	
1936	74	26		25.3		0.3	0.4

Table 103.—Disposition of Coal from Saskatchewan Mines, by Grades, 1935 and 1936

(Short tons)

Disposition	1935		1936					
	Total		Run-of-mine	Cobble	Lump	Nut and other grades	Slack	Total
	Quantity	Value						Quantity Value
Supplied to employees for domestic consumption	3,220	\$ 4,760	1,923	493	355	260		3,031 4,789
Shipped as per Table 104	879,554	1,255,289	183,263	191,003	129,484	365,488	98,370	967,608 1,423,642
Used under colliery boilers, etc.	23,656	23,036	432	453		5,043	17,231	23,159 21,799
Used in making briquettes	130	163						
Used by companies' railroads	7,721	10,865		7,844				7,844 11,535
Put on bank	4,675	5,014	46	443	882	2,878	1,956	6,204 6,254
Put on waste heap	8,546							17,271
Total disposition	927,502	1,299,127	185,663	200,236	130,721	373,669	117,557	1,025,117 1,468,019
Lifted from bank	5,357	5,459	14	261	538	1,976	1,516	4,325 4,339
Lifted from waste heap	360							
Total output	921,785	1,293,665	185,649	199,955	130,183	371,693	116,041	1,020,792 1,468,680

Table 104.—Shipments of Coal from Saskatchewan Mines, by Grades and Destination, 1935 and 1936

(Short tons)

Destination	1935						1936					
	Run-of-mine	Cobble	Lump	Nut and other grades	Slack	Total	Run-of-mine	Cobble	Lump	Nut and other grades	Slack	Total
Saskatchewan ..	146,336	89,170	65,996	121,989	43,184	466,675	154,934	107,490	70,733	163,308	25,008	521,473
Alberta												
British Columbia ..												
Manitoba	31,317	74,314	63,677	140,969	93,959	404,227	28,002	83,378	58,450	196,165	67,009	433,004
Ontario		220		740	3,649	4,609	109	135	34	3,879	5,852	10,009
United States	795		236			1,031	218		267			485
Railroads—												
In Canada		621	37	1,156	1,198	3,012				2,136	501	2,637
In United States												
Total	178,448	164,325	129,946	264,845	141,990	879,554	183,263	191,003	129,484	365,488	98,370	967,608

Table 105.—Exports of Canadian Coal through Saskatchewan Ports, 1932-1936

(Short tons)

Port	1932	1933	1934	1935	1936
Moose Jaw	424	415	1,053	1,339	678
North Portal	2,072	3,148	2,629	1,781	2,194
Regina	312	150	272	273	886
Total	2,808	3,713	3,954	3,393	3,758

Table 106.—Imports into Saskatchewan of Anthracite, Bituminous and Lignite Coal, by Ports of Entry, 1935 and 1936*

(Short tons)

Port	Source	1935				1936						
		Anthracite	Bituminous, all grades	Lignite	Total	Anthracite			Total	Bituminous, all grades	Lignite	Total
						Grate, egg, stove, nut, d'bles, cobbles and trebles	Screenings or dust	Peas, beans and smaller sizes, n.o.p.				
Moose Jaw.....	U.S.....	49	134	25	208	27			27	105		132
North Portal.....	U.S.....		58	157	215					45		45
Prince Albert.....	U.S.....		106		106			31	31	100		131
Regina.....	U.S.....		146		146					224	20	244
	G.B.....											
Saskatoon.....	U.S.....		508		508					373		373
Total.....	U.S.....	49	952	182	1,183	27		31	58	847	20	925
	G.B.....											
Grand Total.....		49	952	182	1,183	27		31	58	847	20	925

*The total tonnage received at Saskatchewan ports of entry. See page 4, section 2, for explanation.

Table 107.—Summary Statistics for Saskatchewan in 1936—Output, Exports, Inter-provincial Shipments, Imports and Coal made Available for Consumption, by Months and by Kinds

(Short tons)

Month	Canadian coal				Imported from U.S.A.	Coal available for consumption
	Output	Received from other provinces	Shipped to other provinces	Exported		
January—						
Anthracite.....						
Bituminous.....		9,349		80	40	9,309
Sub-bituminous.....		2,108				2,108
Lignite.....	147,055	162,049	76,481	549		232,074
Total.....	147,055	173,506	76,481	629	40	243,491
February—						
Anthracite.....						
Bituminous.....		8,913		1	30	8,942
Sub-bituminous.....		3,426				3,426
Lignite.....	149,828	189,725	72,172			267,381
Total.....	149,828	202,064	72,172	1	30	279,749
March—						
Bituminous.....		4,294		5	69	4,358
Sub-bituminous.....		756				756
Lignite.....	69,906	56,604	30,689	200		95,621
Total.....	69,906	61,654	30,689	205	69	100,735
April—						
Bituminous.....		3,871			37	3,908
Sub-bituminous.....		396				396
Lignite.....	46,173	40,671	20,416	102		66,326
Total.....	46,173	44,938	20,416	102	37	70,630
May—						
Anthracite.....						
Bituminous.....		2,943		2	214	3,155
Sub-bituminous.....		281				281
Lignite.....	27,765	16,034	11,715	36		32,048
Total.....	27,765	19,258	11,715	38	214	35,484
June—						
Bituminous.....		3,161		6	37	3,192
Sub-bituminous.....		747				747
Lignite.....	26,453	16,720	9,945	5		33,223
Total.....	26,453	20,628	9,945	11	37	37,162
July—						
Anthracite.....						
Bituminous.....		3,375		2	178	3,551
Sub-bituminous.....		791				791
Lignite.....	26,415	17,360	11,245	56		32,471
Total.....	26,415	21,526	11,245	58	178	36,813
August—						
Anthracite.....					31	31
Bituminous.....		4,189		6	68	4,251
Sub-bituminous.....		987				987
Lignite.....	30,526	48,035	9,854	79		68,628
Total.....	30,526	53,211	9,854	85	99	73,897
September—						
Anthracite.....					27	27
Bituminous.....		7,438			34	7,471
Sub-bituminous.....		3,020		1		3,020
Lignite.....	80,956	139,592	22,845	218		197,485
Total.....	80,956	150,050	22,845	219	61	208,003
October—						
Anthracite.....						
Bituminous.....		9,428		144	74	9,358
Sub-bituminous.....		4,021				4,021
Lignite.....	161,727	227,683	54,806	930	20	333,694
Total.....	161,727	241,132	54,806	1,074	94	347,073

Table 107.—Summary Statistics for Saskatchewan in 1936—Output, Exports, Inter-provincial Shipments, Imports and Coal made Available for Consumption, by Months and by Kinds—Concluded

(Short tons)

Month	Canadian coal				Imported from U.S.A.	Coal available for consumption
	Output	Received from other provinces	Shipped to other provinces	Exported		
November—						
Anthracite.....		7,555		101	32	7,486
Bituminous.....		1,618				1,618
Sub-bituminous.....	119,882	107,777	52,956	826		173,657
Lignite.....						
Total.....	119,882	116,950	52,956	927	32	182,961
December—						
Anthracite.....		7,934		60	34	7,918
Bituminous.....		2,605				2,605
Sub-bituminous.....	134,126	137,504	69,886	359		201,385
Lignite.....						
Total.....	134,126	148,043	69,886	409	34	211,908
Total—						
Anthracite.....					58	58
Bituminous.....		72,150		398	847	72,899
Sub-bituminous.....		20,756				20,756
Lignite.....	1,020,792	1,159,754	443,013	3,360	20	1,734,193
Total.....	1,020,792	1,252,960	443,013	3,758	925	1,827,966

Table 108.—Employees, Salaries and Wages in the Coal Mines of Saskatchewan, 1935 and 1936

	1935	1936
Number of Salaried employees—		
Male.....	43	55
Female.....	2	4
Number of Wage-earners—		
Surface.....	241	254
Underground.....	572	593
Total.....	858	906
Salaries and wages—		
Salaries.....	\$ 94,880	\$ 92,972
Wages.....	\$ 519,202	\$ 600,197
Total.....	\$ 614,091	\$ 693,169

Table 109.—Employment and Earnings in the Coal Mines of Saskatchewan, 1932-1936

	1932	1933	1934	1935	1936
Average number of wage-earners—					
Surface.....	224	267	263	241	254
Underground.....	524	624	619	572	593
Total.....	748	891	882	813	847
Days' work done—					
Surface.....	47,044	56,964	52,752	51,561	61,190
Underground.....	117,132	135,079	124,877	116,202	133,946
Total.....	164,176	192,043	177,629	167,763	195,136
Average number of days worked per man per year—					
Surface.....	210	213	200	214	241
Underground.....	223	216	202	203	226
By all wage-earners.....	219	216	201	206	230
Total wages paid.....	\$ 524,212	\$ 578,215	\$ 546,177	\$ 519,202	\$ 600,197

Table 110.—Wage-Earners Employed, and Work Done, by Months, in the Coal Mines of Saskatchewan in 1936

Month	Number of wage-earners			Days' work done		
	Surface	Under-ground	Total	Surface	Under-ground	Total
January.....	313	797	1,115	7,436	17,873	25,309
February.....	330	790	1,110	7,903	17,124	25,027
March.....	255	572	827	4,349	9,376	13,725
April.....	177	377	554	2,585	5,087	7,672
May.....	143	266	409	1,964	3,364	5,328
June.....	135	258	393	1,730	3,126	4,856
July.....	135	258	393	1,632	3,188	4,820
August.....	215	359	574	3,373	4,660	8,033
September.....	323	780	1,103	6,492	14,281	20,773
October.....	361	971	1,332	9,164	22,884	32,048
November.....	338	878	1,216	7,429	16,300	23,729
December.....	319	825	1,144	7,133	16,683	23,816
Total.....				61,190	133,946	195,136

Table 111.—Wage-Earners in the Coal Mines of Saskatchewan, by Classes, 1935 and 1936

Classification	1935			1936		
	Surface	Under-ground	Total	Surface	Under-ground	Total
Administration.....	10		10	8		8
Foremen and officials.....	19	23	42	11	22	33
Clerks.....	17		17	16		16
Screenmen and loaders.....	53		53	55		55
Stripping shovel operators.....	5		5	6		6
Hand cutters and helpers.....		370	370		375	375
Machine cutters and helpers.....		26	26		30	30
Machine loaders and helpers.....		44	44		53	53
Horse haulage employees.....	7	50	57	7	50	57
Mechanical haulage employees.....	14	9	23	14	9	23
Ventilation employees.....		3	3		3	3
Roadmakers.....		14	14		16	16
Timbermen.....		10	10		12	12
Pumpmen.....		5	5		3	3
Loading shovel.....	9		9	9		9
Cleaning shovel.....						
Enginemen.....	12		12	13	1	14
Firemen.....	12		12	11		11
Machinists.....	7	1	8	5	1	6
Carpenters and masons.....	5		5	6		6
Other mechanics.....	4		4	4		4
All other employees.....	67	17	84	89	18	107
Total.....	241	572	813	254	593	847

Table 112.—Capital Employed in the Coal Mines of Saskatchewan, 1935 and 1936

	1935	1936
Capital employed as represented by—	\$	\$
Cost of lands, buildings, machinery and tools.....	2,976,292	2,605,561
Cost of supplies and stock on hand.....	310,329	84,628
Cash, trading and operating accounts and bills receivable.....	282,091	406,014
Total.....	3,568,712	3,096,203

CHAPTER NINE

ALBERTA

Coal production in Alberta during 1936 advanced 4·3 per cent to 5,696,960 tons from the 1935 total of 5,462,894 tons. Bituminous coal output was 1·8 per cent higher at 2,288,734 tons, sub-bituminous coal production amounted to 566,235 tons as compared with 566,425 tons in 1935 and lignite output rose 7·3 per cent to 2,841,991 tons.

Alberta mines in operation during the year produced 70 per cent of their possible output. Causes other than strikes were responsible for an output loss of 2,452,093 tons in 1936; strikes accounted for an additional computed production loss of 57,280 tons.

Shipments from Alberta mines to railroads in Canada in 1936 aggregated 1,966,989 tons, or 37 per cent of the total shipments from the mines. An increase of 9·1 per cent was recorded in the tonnage of coal shipped from the mines for consumption within the province (exclusive of sales to employees); the 1936 total was 1,314,598 tons as compared with 1,204,897 tons a year ago. Shipments to Saskatchewan consumers rose 10·5 per cent to 1,242,831 tons. There was a slight increase in the tonnage shipped to Manitoba; the 1936 total was 449,251 tons and the preceding year's total, 441,091 tons. An advance of 14·1 per cent was shown in shipments to British Columbia when 244,946 tons were consigned to that province as against 214,650 tons in 1935. Other direct shipments from the mines were made up of 66,179 tons to Ontario and 29,727 tons to the United States.

Retail coal dealers purchased 2,213,000 tons of Alberta coal in 1936; this coal consisted of 123,000 tons of run of mine, 1,216,000 tons of lump, 231,000 tons of egg, 237,000 tons of nut, 43,000 tons of pea, and 363,000 tons of slack. Domestic consumers and employees received 687,000 tons direct from the mines; 27·3 per cent of this tonnage was run of mine and 41·5 per cent lump. Industrial users purchased 487,000 tons of coal in 1936, of which 70·7 per cent was slack and 11·4 per cent lump.

Alberta's six principal coal-producing districts accounted for 82·2 per cent of the province's output in 1936; these were Crow's Nest Pass, Drumheller, Mountain Park, Edmonton, Coalspur and Lethbridge. The Crow's Nest and Mountain Park coals are classed as bituminous, the Coalspur coal is sub-bituminous, and the Drumheller, Edmonton and Lethbridge coals are lignite.

Employment was furnished by Alberta coal mines to 9,352 men in January; the low point for the year was reached in July when 5,712 men were at work while the employment peak of 9,987 was reached in November. The average number of men employed during the year was 8,054 as compared with 7,662 in 1935. Wages paid during 1936 totalled \$8,493,359. In addition to these wage-earners there were 573 salaried employees who received \$1,164,516 in 1936.

Table 113.—Output of Coal from Alberta Mines, 1886-1936

Calendar year	Short tons	Value	Calendar year	Short tons	Value	Calendar year	Short tons	Value
		\$			\$			\$
1886.....	43,220	81,112	1904.....	661,732	1,404,524	*1922.....	5,990,911	24,351,913
1887.....	74,152	157,577	1905.....	931,917	1,993,915	*1923.....	6,854,397	28,019,303
1888.....	115,124	183,354	1906.....	1,246,390	2,614,762	*1924.....	5,190,729	18,884,318
1889.....	97,364	179,640	1907.....	1,591,579	3,856,286	*1925.....	5,869,031	20,021,484
1890.....	128,753	198,298	1908.....	1,685,691	4,127,311	*1926.....	6,503,705	20,880,103
1891.....	174,131	437,243	1909.....	1,994,741	4,838,109	*1927.....	6,934,162	21,982,058
1892.....	178,970	460,605	1910.....	2,894,469	7,065,736	*1928.....	7,330,330	23,532,414
1893.....	230,070	586,260	1911.....	1,511,036	3,979,264	*1929.....	7,150,693	22,928,182
1894.....	184,940	473,827	1912.....	3,240,577	8,113,525	*1930.....	5,755,528	18,063,225
1895.....	169,885	382,526	1913.....	4,014,755	10,419,941	*1931.....	4,564,015	13,342,675
1896.....	209,162	581,832	1914.....	3,083,015	9,359,392	*1932.....	4,870,018	13,526,309
1897.....	242,103	630,408	1915.....	3,360,818	8,283,079	*1933.....	4,718,788	12,307,258
1898.....	315,088	787,720	1916.....	4,559,054	11,380,577	*1934.....	4,753,810	12,556,099
1899.....	309,600	774,000	1917.....	4,736,368	14,153,685	*1935.....	5,402,894	14,094,795
1900.....	311,450	778,625	1918.....	5,972,816	20,537,287	*1936.....	5,696,960	14,659,705
1901.....	340,275	850,687	*1919.....	4,933,680	18,205,205			
1902.....	402,819	960,601	*1920.....	6,907,705	30,196,933			
1903.....	495,893	1,117,541	*1921.....	5,909,217	27,240,514			
						Total.....	151,516,290	476,518,742

*For the years 1919-1936 the tonnage shown is the total output from all mines; for previous years the figures given include only sales, colliery consumption and coal used by the operators.

Table 114.—Output of Coal from Alberta Mines, by Months, 1932-1936

(Short tons)

Month	1932	1933	1934	1935	1936
January	533,481	478,446	554,673	688,181	643,466
February	569,038	498,571	362,298	367,932	741,680
March	410,541	348,742	374,196	423,844	381,879
April	252,995	245,012	250,771	342,844	310,344
May	196,979	216,008	247,339	268,166	253,324
June	232,854	220,517	239,781	255,256	237,852
July	197,158	197,522	248,117	254,547	247,074
August	266,190	200,808	300,939	345,823	310,338
September	431,150	436,688	478,862	477,462	560,157
October	654,704	622,504	587,432	675,351	792,027
November	577,391	535,504	552,113	804,653	567,597
December	540,152	626,617	537,289	558,853	632,322
Total	4,870,648	4,718,788	4,753,810	5,462,894	5,636,960

Table 115.—Output of Coal by Districts, in Alberta, 1934-1936

(Short tons)

District	1934	1935	1936
BITUMINOUS—			
Cascade*	161,869	152,024	166,067
Crowsnest	991,288	1,297,394	1,310,559
Mountain Park	623,236	651,270	655,130
Nordegg	139,407	147,032	156,378
Total bituminous	1,915,800	2,248,620	2,288,734
SUB-BITUMINOUS—			
Coalspur	410,107	413,489	388,766
Pekisko	2,871	4,284	4,805
Pincher	1,817	1,405	2,094
Prairie Creek	89,229	110,192	127,503
Sundors	34,484	37,055	42,944
Morley			123
Total sub-bituminous	537,508	566,425	566,235
LIGNITE—			
Ardley	21,568	25,778	29,217
Big Valley	3,125	2,651	2,918
Brooks	7,610	8,043	9,842
Camrose	38,558	57,613	65,398
Carbon	88,000	95,295	108,625
Castor	33,065	34,823	47,021
Champion	19,421	20,841	22,165
Drumheller	1,033,649	1,261,447	1,437,343
Edmonton	451,950	493,884	542,854
Gleichen	6,700	9,172	9,897
Halecourt	3,028	3,753	3,454
Lethbridge	313,048	351,004	350,967
Magnath	2,039	1,282	857
Milk River	4,937	4,492	5,500
Pakan		245	335
Tukowki	2,187	2,803	3,692
Pembina	70,812	72,163	53,956
Redcliff	45,939	34,150	36,433
Rochester	1,033	1,467	2,241
Sexsmith			44
Sheerness	69,492	88,877	47,345
Stevenville			
Taber	16,597	14,819	14,194
Tofield	66,191	59,500	42,846
Wetaskiwin	55	728	1,776
Whitecourt		80	163
Area not designated	1,395	2,939	2,908
Total lignite	2,300,502	2,647,849	2,841,991
Total Alberta	4,753,810	5,462,894	5,636,960

*Includes a small quantity of anthracite coal.

Table 116.—Output of Coal by Principal Collieries in Alberta, 1934-1936
(Average of 500 tons or more per month)

(Short tons)

Name and address	1934	1935	1936
Bituminous			
CASCADE DISTRICT—			
Canmore Coal Co., Ltd., Canmore.....	160,742	152,019	165,670
All other operators*.....	1,127	905	997
Total.....	161,869	152,924	166,667
CROWNEST DISTRICT—			
Hillcrest Collieries, Ltd., Hillcrest.....	143,720	166,374	191,771
International Coal and Coke Co., Ltd., Coleman.....	246,857	348,797	387,099
McGillivray Creek Coal and Coke Co., Ltd., Coleman.....	187,193	312,794	269,638
Mohawk Bituminous Mines, Ltd., Bellevue.....	59,183	69,004	73,224
West Canadian Collieries, Ltd., Blairmore.....	351,165	396,152	382,462
All other operators.....	3,170	4,273	6,365
Total.....	991,288	1,297,394	1,310,559
MOUNTAIN PARK DISTRICT—			
Cadomin Coal Co., Ltd., Cadomin (mine office); Edmonton (business office)...	324,531	323,903	314,344
Luscar Collieries, Ltd., Edmonton.....	116,980	118,238	136,456
Mountain Park Collieries, Ltd., 410 Tegler Bldg., Edmonton.....	181,725	209,129	204,290
All other operators.....			40
Total.....	623,236	651,270	655,130
NORDEGG DISTRICT—			
Braseau Collieries Ltd., Nordegg.....	139,407	147,032	156,378
Total.....	139,407	147,032	156,378
Total bituminous.....	1,915,800	2,248,620	2,288,734
Sub-Bituminous			
COALSPUR DISTRICT—			
Bryan Coal Co., Ltd., Edmonton.....	13,165	9,318	10,150
Coal Valley Mining Co., Ltd., Edmonton.....	163,106	143,544	134,457
Foothills Collieries, Ltd., Foothills.....	45,170	56,617	65,939
Lakeside Coal Ltd., Edmonton.....	29,465	33,399	31,948
McLeod River Hard Coal Co., Ltd., Mercoal.....	20,253	20,213	26,830
Sterling Collieries Ltd., Edmonton.....	138,948	144,398	129,442
All other operators.....			
Total.....	410,107	413,489	388,766
MORLEY DISTRICT.....			123
PEKISKO DISTRICT.....	2,871	4,284	4,806
PINCHER DISTRICT.....	1,817	1,405	2,094
PRAIRIE CREEK DISTRICT—			
Hinton Collieries, Ltd., Hinton.....	71,007	85,392	95,945
Jasper Coal Co., Ltd., Edmonton.....	17,222	24,800	31,558
Total.....	88,229	110,192	127,503
SAUNDERS DISTRICT—			
Alexo Coal Co., Ltd., Alexo.....	19,546	19,039	20,432
Bighorn and Saunders Creek Collieries, Ltd., Saunders.....	14,939	18,016	22,512
Total.....	34,484	37,055	42,944
Total sub-bituminous.....	537,608	566,425	566,235
Lignite			
ARDLEY DISTRICT—			
Super Heat Coal Co., Ardley.....	14,192	18,123	20,125
All other operators.....	7,376	7,655	9,092
Total.....	21,568	25,778	29,217
BIG VALLEY DISTRICT.....	3,125	2,651	2,918
BROOKS DISTRICT—			
Kleenbira Collieries Ltd., Eyremore.....	7,020	7,514	9,526
All other operators.....	590	529	316
Total.....	7,610	8,043	9,842

*Anthracite coal produced by Frank Wheatley and Sons.

Table 116.—Output of Coal by Principal Collieries in Alberta, 1934-1936
(Average of 500 tons or more per month)—Continued

(Short tons)

Name and address	1934	1935	1936
Lignite—Continued			
CAMROSE DISTRICT—			
Canadian Dinant Coal Co., Ltd., Dinant	23,991	35,322	36,470
Gotheridge, W. T. & Sons, Round Hill	4,249	6,323	8,320
Red Flame Coal Co., Round Hill	1,870	4,422	8,484
Stoney Creek Collieries, Ltd., Camrose	6,924	9,722	9,885
All other operators	1,524	1,824	2,239
Total	38,558	57,613	65,398
CARBON DISTRICT—			
Balogh Coal Co., Ltd., Carbon	7,322	9,840	15,499
Canadian Dinant Coal Co., Three Hills	18,470	19,855	23,118
Oliphant, J. H., Carbon	18,304	19,986	25,443
Peerless Carbon Collieries, Carbon	30,774	32,868	32,713
All other operators	13,130	12,746	11,852
Total	88,000	95,295	108,625
CARTOR DISTRICT	33,065	34,823	47,021
CHAMPION DISTRICT	19,421	20,841	22,165
DRUMHELLER DISTRICT—			
Aetna Coal Co., Ltd., East Coulee	17,732	17,501	18,127
Alberta Block Coal Co., Ltd., Drumheller	38,286	45,992	62,905
Atlas Coal Co., Ltd., East Coulee	91,775	132,651	85,045
Brilliant Coal Co., Drumheller	35,712	55,728	71,144
Cambrian Coal Co., Ltd., Drumheller		7,081	28,588
Comet Coal Co. Ltd. (formerly Murray Collieries Ltd.), East Coulee	58,736	58,167	49,253
Commander Coal Co. (formerly Regal Coal Co. Ltd.), Drumheller		1,755	13,934
Elgin Coal Co., Ltd., Drumheller	17,942	34,228	39,046
Empire Collieries, Ltd., East Coulee	67,665	69,946	87,018
Hy-Grade Coal Co., Ltd. (formerly Fireside Coal Co., Ltd.), Drumheller	49,345	80,141	101,574
Ideal Coal Co., Ltd., Wayne	46,340	67,526	51,004
Jewel Collieries, Ltd., Wayne	60,827	77,214	84,486
Maple Leaf Minerals Ltd., Drumheller	19,012	43,734	55,504
Midland Coal Mining Co., Ltd., Midlandvale	143,506	153,848	159,903
Monarch Coal Mining Co. Ltd. (formerly Royalties Oil & Share Corp. Ltd.), Drumheller		139	29,105
Murray Collieries Ltd., East Coulee			38,629
Mutual Supplies Ltd., Wayne	14,913	30,078	26,865
Newcastle Coal Co. Ltd., Drumheller	56,458	63,664	63,901
Red Deer Valley Coal Co. Ltd. (formerly The Thomas Coal Co. Ltd.), Drumheller	56,723	71,662	70,425
Rosedale Collieries, Ltd. (Rosedale Mine), Rosedale	82,466	77,055	99,076
Rosedale Collieries, Ltd. (Star Mine) (formerly Great West Coal Co. Ltd.), Aerial	52,418	53,525	82,146
Sovereign Coal Mining Co., Ltd., Wayne	9,488		
Superior Grade Coal Co., Ltd., Wayne	16,132	13,168	12,193
Thomas Coal Mines, Ltd. (formerly Black, Ross & Davey), Drumheller	1,542	3,587	
Western Gem Coal Co., Ltd., Drumheller	85,055	93,998	97,532
All other operators	11,576	9,959	11,340
Total	1,033,649	1,261,447	1,437,343
EDMONTON DISTRICT—			
Beverly Coal Co. Ltd., Edmonton	39,546	46,467	49,298
Bush Mines, Ltd., Edmonton	38,792	41,840	51,264
Dawson Coal Co., Ltd., Edmonton	22,780	27,437	29,816
Edina Coal Co., Ltd., Edmonton	26,091	29,460	27,312
Fridel Red Hot Coal Co., Forest Heights	4,744	5,501	7,098
Fraser-Mackay Collieries, Ltd., 10055-101st St., Edmonton	47,494	46,491	48,821
Gibb, W. E., Edmonton	13,411	15,674	19,836
Great West Coal Co., Ltd. (Black Diamond Mine), Edmonton	73,980	82,048	82,810
Hudyma & Co. (formerly Eilerslie Colliery), South Edmonton	1,726	3,452	5,102
Kelstar Coals Ltd. (formerly Penn Coals Ltd.), Carbondale	38,036	27,953	32,460
Keith and Fulton Coal Co., Clover Bar	3,926	5,453	5,304
Kent Coal Co. Ltd., Edmonton	30,182	43,951	47,241
McDonnell Coal Co. (formerly McDonnell & Gwilliam), Namao	6,106	6,412	10,632
Marcus Coal Mines, Ltd., Edmonton	49,746	51,844	55,405
Ottewell Coal Co., Clover Bar	14,179	11,501	12,654
Parker, L., Cardiff	6,052	6,645	7,118
Poholku, S., South Edmonton	2,956	5,848	6,753
Riverdale Coal Co., Edmonton	927	4,278	5,818
Sinoki, M., Strathcona	4,988	7,382	6,435
All other operators	26,258	24,247	31,677
Total	461,950	493,884	542,854

Table 116.—Output of Coal by Principal Collieries in Alberta, 1934-1936
(Average of 500 tons or more per month)—Continued

(Short tons)

Name and address	1934	1935	1936
Lignite—Continued			
GLEICHEN DISTRICT.....	6,700	9,172	9,897
HALCOURT DISTRICT.....	3,028	3,753	3,454
LETHBRIDGE DISTRICT—			
Canadian Pacific Railway Co., Dept. of Natural Resources, Calgary.....	131,062	31,569	
City of Lethbridge Coal Mines, Lethbridge.....	12,778	12,932	13,144
Hamilton, J. J., Coal Co. (formerly Cadillac Coal Co., Ltd., and Lethbridge Collieries, Ltd.), Lethbridge.....	9,269	13,970	20,237
Lethbridge Collieries, Ltd. (formerly Coal Producers, Ltd. and Royalties Oil and Share Corp., Ltd.), Lethbridge.....	67,024	98,243	361
Lethbridge Collieries, Ltd. (formerly Cadillac Coal Co., Ltd.), Lethbridge.....	56,376	142,146	178,948
Lethbridge Collieries, Ltd. (formerly C.P.R. Co.), Lethbridge.....		356	83,490
Lund, Nelson, Hagblad & Degaust, Lethbridge.....	6,478	11,157	15,401
Northern Coal Co. Ltd., Picture Butte.....	657	4,045	8,158
Rollingson, J., Lethbridge.....	7,291	9,121	10,077
Royal Lethbridge Collieries, Lethbridge.....	12,846	19,014	11,869
All other operators.....	9,267	8,451	9,282
Total.....	313,048	351,004	350,967
MAGRATH DISTRICT.....	2,039	1,282	857
MILK RIVER DISTRICT.....	4,937	4,492	5,500
PAKAN DISTRICT.....		245	335
PAKOWKI DISTRICT.....	2,187	2,803	3,092
PEMBINA DISTRICT—			
Lakeside Coals Ltd., Edmonton.....	27,572	29,174	35,210
Royalties Oil & Share Corp. Ltd. (formerly Coal Producers Ltd.), Calgary.....	43,170	42,596	18,104
All other operators.....	170	393	642
Total.....	70,912	72,163	53,956
REDCLIFF DISTRICT—			
Gunderson Brick & Coal Co., Ltd., Redcliff.....	28,066	15,137	14,934
Oliphant, John, Medicine Hat.....	17,873	19,013	21,037
All other operators.....			463
Total.....	45,939	34,150	36,433
ROCHESTER DISTRICT.....	1,033	1,467	2,241
SEXSMITH DISTRICT.....			44
SHEERNESS DISTRICT—			
Chinook Coal Co. Ltd., Sheerness.....	30,724	37,921	16,778
Leavell Coal Co. Ltd. (formerly J. Warnebolt), Sheerness.....	22,584	40,731	19,263
All other operators.....	16,204	10,225	12,304
Total.....	69,492	88,877	47,345
SLAVE LAKE DISTRICT.....			
STEVEVILLE DISTRICT.....			
TABER DISTRICT—			
Rock Springs Longwall Coal Co. (formerly Empire Collieries Ltd.), Calgary.....	5,754	2,820	740
All other operators.....	10,843	11,999	13,454
Total.....	16,597	14,819	14,194
TOFIELD DISTRICT—			
Tofield Coal Co., Ltd., Tofield.....	54,098	47,300	31,837
Tredway Bros. (formerly Dodds Coal Co. Ltd.), Dodds.....	8,060	8,548	7,358
All other operators.....	4,033	3,652	3,653
Total.....	66,191	59,500	42,846

Table 116.—Output of Coal by Principal Collieries in Alberta, 1934-1936
(Average of 500 tons or more per month)—Concluded

(Short tons)

Name and address	1934	1935	1936
Lignite—Concluded			
WETASKIWIN DISTRICT.....	58	728	1,776
WHITECOURT DISTRICT.....		80	163
Area not designated.....	1,395	2,939	2,908
Total lignite.....	2,300,502	2,647,849	2,841,991
Total Alberta.....	4,753,810	5,462,894	5,696,960

Table 117.—Tonnage Lost in Alberta Coal Mines, Showing by Districts the Relative Percentage Produced and Lost, with an Analysis of the Percentage Lost, 1935 and 1936

District	Per cent produced		Per cent lost		Percentage lost through									
					Absenteeism		Lack of orders		Car shortage		Mine disability		Other causes	
	1935	1936	1935	1936	1935	1936	1935	1936	1935	1936	1935	1936	1935	1936
BITUMINOUS—														
Cascade.....	63	67	37	33	2.7	3.0	34.3	30.0						
Crowsnest.....	69	63	31	37			30.4	36.5	0.3	0.5	0.3			
Mountain Park.....	88	80	14	20	0.2	0.3	13.3	18.6				0.6	0.5	0.6
Nordegg.....	56	62	46	38			46.0	38.0						
Total bituminous.....	72	67	28	33	0.1	0.4	27.6	31.8	0.1	0.3	0.1	0.2	0.1	0.3
SUB-BITUMINOUS—														
Conspur.....	86	82	14	18	0.1	0.5	13.3	17.5			0.2		0.4	
Morley.....		98		2				2.0						
Pekisko.....	62	74	38	26			37.5	26.0					0.5	
Pincher.....	57	58	43	42			43.0	40.0				2.0		
Prairie Creek.....	80	84	20	16			20.0	16.0						
Saunders.....	62	67	38	33			37.9	33.0					0.1	
Total sub-bituminous.....	82	81	18	19	0.1	0.2	17.2	18.8			0.3		0.4	
LIGNITE—														
Ardley.....	65	70	35	30	0.2	0.3	33.8	29.3					1.0	0.4
Big Valley.....	46	50	54	50			54.0	50.0						
Brooks.....	74	70	26	30			26.0	30.0						
Canrose.....	73	82	27	18		0.3	27.0	17.7						
Carbon.....	67	63	43	37		0.2	42.5	36.8			0.5			
Castor.....	62	60	38	40	0.2	0.9	37.5	38.4			0.2	0.2	0.1	0.5
Champion.....	65	63	35	37	0.7	1.0	34.3	36.0						
Drumheller.....	64	69	36	31			35.8	31.0			0.2			
Edmonton.....	71	74	29	26	1.2	1.5	27.3	24.3				0.1	0.5	0.1
Gleichen.....	77	67	23	33			23.0	33.0						
Halcourt.....	71	76	29	24	0.2	0.6	28.8	23.2				0.2		
Lethbridge.....	68	77	32	23		0.3	31.0	22.3			0.4	0.2	0.6	0.2
Magrath.....	71	56	29	44			29.0	41.4						2.6
Milk River.....	36	57	64	43			64.0	43.0						
Pakana.....	16	11	84	89		0.5	84.0	88.5						
Pakowski.....	52	55	48	45			48.0	45.0						
Pembina.....	61	61	39	39			39.0	39.0						
Redcliff.....	60	68	40	32			40.0	31.5		0.5				
Rochester.....	74	56	26	44			25.5	44.0					0.5	
Sexsmith.....		100												
Sheerness.....	68	59	32	41			31.3	40.7			0.2		0.5	0.3
Steveston.....														
Taber.....	57	56	43	44			42.3	44.0			0.7			
Tofield.....	83	82	17	18			17.0	18.0						
Wetaskiwin.....	83	74	17	26			17.0	26.0						
Whitecourt.....		45		55				55.0						
Area not designated.....	61	73	39	27	0.8		35.6	23.9					2.6	3.1
Total lignite.....	66	70	34	30	0.3	0.3	33.4	29.5			0.1	0.1	0.2	0.1
Total Alberta.....	70	70	30	30	0.2	0.3	29.4	29.4	0.1	0.1	0.1	0.0	0.2	0.2

Table 118.—Total Disposition of Coal from Alberta Mines, by Grades, 1935 and 1936
(Short tons)

	1935		1936					
	Total		Run-of-mine	Lump	Nut and other grades	Slack	Total	
	Quantity	Value					Quantity	Value
		\$						\$
Supplied to employees for domestic consumption...	39,539	97,304	19,801	16,813	4,873	440	41,927	101,231
Coal shipped as per Table 122	5,035,347	13,344,789	2,223,579	1,556,188	727,746	807,008	5,314,521	13,917,513
Used under colliery boilers	163,151	332,350	79,399	3,232	7,919	59,006	149,556	308,113
Used by companies' railroads	7,847	17,336	6,420	80	165		6,674	11,842
Used in making coke at colliery	98,233	253,611				97,353	97,353	253,115
Used in making briquettes	17,491	56,849				19,471	19,471	63,281
Put on bank	68,791	141,839	32,565	2,034	3,599	17,774	55,972	124,730
Put on waste heap	90,315						79,771	
Total disposition	5,520,717	14,224,081	2,361,773	1,578,347	744,302	1,001,052	5,765,245	14,782,825
Lifted from bank	53,665	129,286	29,301	2,233	3,546	26,101	61,181	123,129
Lifted from waste heap	4,158						7,104	
Total output	5,462,894	14,094,795	2,332,472	1,576,114	740,756	974,951	5,696,960	14,659,705

Table 119.—Disposition of Bituminous Coal from Alberta Mines, 1935 and 1936
(Short tons)

	1935		1936					
	Total		Run-of-mine	Lump	Nut and other grades	Slack	Total	
	Quantity	Value					Quantity	Value
		\$						\$
Supplied to employees for domestic consumption...	18,938	47,048	15,770	3,547		84	19,401	47,508
Coal shipped as per Table 123	2,001,949	6,000,358	1,670,177	16,182	32,792	314,296	2,042,117	5,999,650
Used under colliery boilers	85,479	241,853	83,052			17,095	80,147	223,520
Used by companies' railroads	1,074	3,527	1,141				1,141	3,752
Used in making coke at colliery	98,233	253,611				97,353	97,353	253,115
Used in making briquettes	17,491	56,849				19,471	19,471	63,281
Put on bank	29,689	96,012	30,263	40	65	2,516	32,884	96,246
Put on waste heap	28,103						26,720	
Total disposition	2,280,956	6,679,891	1,789,403	19,769	32,857	450,815	2,319,561	6,687,072
Lifted from bank	31,900	96,349	28,308	75	48	2,224	30,655	89,749
Lifted from waste heap	436						175	
Total output	2,248,620	6,583,542	1,761,095	19,694	32,809	448,591	2,288,724	6,597,323

Table 120.—Disposition of Sub-Bituminous Coal from Alberta Mines, by Grades, 1935 and 1936
(Short tons)

	1935		1936					
	Total		Run-of-mine	Lump	Nut and other grades	Slack	Total	
	Quantity	Value					Quantity	Value
		\$						\$
Supplied to employees for domestic consumption...	2,264	6,406	1,632	410	347	1	2,390	6,866
Coal shipped as per Table 124	487,071	1,343,720	290,691	101,916	77,973	34,852	505,432	1,368,662
Used under colliery boilers	27,703	49,022	15,004	676	1,018	10,046	26,744	47,299
Used by companies' railroads	5,351	10,703	4,687				4,687	9,374
Put on bank	2,107	4,372	961	289	783	1,600	3,633	7,413
Put on waste heap	43,748						26,224	
Total disposition	568,244	1,414,223	312,975	103,291	80,121	46,499	569,110	1,439,614
Lifted from bank	1,802	3,297	956	399	623	897	2,875	6,873
Lifted from waste heap	17							
Total output	566,425	1,410,926	312,019	102,892	79,498	45,602	566,235	1,432,741

Table 121.—Disposition of Lignite Coal from Alberta Mines, 1935 and 1936

(Short tons)

	1935		1936					
	Total		Run-of-mine	Lump	Nut and other grades	Slack	Total	
	Quantity	Value					Quantity	Value
		\$						\$
Supplied to employees for domestic consumption.....	18,337	43,850	2,399	12,856	4,526	355	26,136	46,857
Coal shipped as per Table 125.....	2,546,327	6,000,111	253,711	1,438,090	616,981	457,860	2,766,642	6,549,201
Used under colliery boilers.....	49,972	41,475	1,343	2,556	6,901	31,865	42,645	37,291
Used by companies' railroads.....	1,422	3,196	601	80	165		846	1,716
Put on bank.....	36,995	41,425	1,341	1,705	2,751	13,658	19,455	21,071
Put on waste heap.....	18,464						26,827	
Total disposition.....	2,671,517	6,129,967	259,395	1,455,287	631,321	503,738	2,876,571	6,656,139
Lifted from bank.....	19,963	29,640	37	1,759	2,875	22,980	27,651	26,498
Lifted from waste heap.....	3,705						6,929	
Total output.....	2,647,849	6,100,327	259,358	1,453,528	628,449	480,758	2,841,991	6,629,641

Table 122.—Total Shipments of Coal from Alberta Mines, by Grades and Destination, 1935 and 1936

(Short tons)

Destination	1935					1936				
	Run-of-mine	Lump	Nut and other grades	Slack	Total	Run-of-mine	Lump	Nut and other grades	Slack	Total
Alberta.....	193,058	477,630	292,374	241,835	1,204,897	226,857	512,553	302,730	272,458	1,311,598
Saskatchewan.....	72,788	657,858	222,316	171,651	1,124,623	48,278	716,401	260,358	217,704	1,242,831
British Columbia.....	2,650	69,890	41,705	100,415	214,650	3,045	71,810	40,381	129,710	244,946
Manitoba.....	40,142	168,024	77,398	155,527	441,091	21,599	189,890	82,772	154,990	449,251
Ontario.....	117	52,267	9,335	3,101	64,820	285	50,583	11,519	3,792	66,179
Quebec.....										
United States.....	974	7,302	7,993	7,870	24,139	288	5,085	11,180	10,285	26,838
Railroads—										
In Canada.....	1,893,108	9,001	18,229	32,143	1,952,481	1,920,919	9,658	18,343	18,069	1,966,989
In United States.....	8,646				8,646		118	463		2,889
Total.....	2,211,493	1,441,962	663,350	712,542	5,035,347	2,223,579	1,556,188	727,746	807,005	5,314,521

Table 123.—Shipments of Bituminous Coal from Alberta Mines, by Grades and Destination, 1935 and 1936

(Short tons)

Destination	1935					1936				
	Run-of-mine	Lump	Nut and other grades	Slack	Total	Run-of-mine	Lump	Nut and other grades	Slack	Total
Alberta.....	14,176	3,133	1,974	2,626	21,909	13,053	3,819	2,335	3,006	22,213
Saskatchewan.....	13,192	2,930	3,474	39,724	59,320	11,474	2,397	5,920	42,530	62,321
British Columbia.....	1,900	1,046	2,978	98,136	104,060	2,289	2,231	2,896	123,593	131,009
Manitoba.....	12,187	1,159	8,518	114,818	136,682	11,216	1,133	11,125	116,697	140,171
Ontario.....	117	83	345	2,855	3,400	182		766	3,646	4,594
United States.....	974	259	2,577	7,423	11,233	288	251	4,447	10,061	15,047
Railroads—										
In Canada.....	1,614,615	7,032	6,638	28,414	1,656,699	1,638,367	6,351	5,303	14,763	1,664,784
In the United States.....	8,646				8,646	2,308				2,308
Total.....	1,665,907	15,642	26,564	293,996	2,001,949	1,679,177	16,182	32,792	314,296	2,042,447

Table 124.—Shipments of Sub-Bituminous Coal from Alberta Mines, by Grades and Destination, 1935 and 1936
(Short tons)

Destination	1935					1936				
	Run-of-mine	Lump	Nut and other grades	Slack	Total	Run-of-mine	Lump	Nut and other grades	Slack	Total
Alberta.....	5,658	14,908	9,064	12,471	42,101	5,907	16,711	8,896	13,241	44,755
Saskatchewan.....	499	7,463	5,434	2,609	16,005	916	8,423	5,979	5,438	20,756
British Columbia.....	487	19,256	19,800	184	39,727	657	19,165	17,990	1,028	38,840
Northwest Territories.....										
Manitoba.....	911	28,281	24,752	15,428	69,372	659	35,133	28,902	11,755	76,449
Ontario.....		21,044	2,671	246	23,961		19,059	2,703	84	21,846
United States.....		34	63	26	123					
Railroads—										
In Canada.....	278,493	1,969	11,591	3,729	295,782	282,552	3,307	13,040	3,306	302,205
In United States.....						119		463		581
Total.....	286,048	92,955	73,375	34,693	487,071	290,691	101,916	77,973	34,852	505,432

Table 125.—Shipments of Lignite Coal from Alberta Mines, by Grades and Destination, 1935 and 1936
(Short tons)

Destination	1935					1936				
	Run-of-mine	Lump	Nut and other grades	Slack	Total	Run-of-mine	Lump	Nut and other grades	Slack	Total
Alberta.....	173,224	450,589	281,336	226,738	1,140,887	207,897	492,023	291,499	256,211	1,247,630
Saskatchewan.....	59,107	647,465	213,408	129,318	1,049,298	35,888	705,671	248,459	109,736	1,159,754
British Columbia.....	263	49,578	18,927	2,095	70,863	99	50,414	19,495	5,089	75,097
Manitoba.....	27,044	138,584	44,128	25,281	235,037	9,724	153,624	42,745	26,538	232,631
Ontario.....		31,140	6,319		37,459	103	31,524	8,050	62	39,739
United States.....		7,009	5,353	421	12,783		4,834	6,733	224	11,791
Railroads.....										
Total.....	259,638	1,333,365	569,471	383,853	2,546,327	253,711	1,438,090	616,981	457,860	2,766,642

Table 126.—Exports of Canadian Coal through Alberta Ports, 1932-1936
(Short tons)

Port	1932	1933	1934	1935	1936
Coquitla.....					1,163
Lethbridge.....	996	1,126	1,363	1,548	856
Total.....	996	1,126	1,363	1,548	2,019

Table 127.—Imports into Alberta of Anthracite, Bituminous and Lignite Coal, by Ports of Entry, 1935 and 1936*
(Short tons)

Port	Source	1935				1936					
		Anthracite	Bituminous all grades	Lignite	Total	Anthracite			Bituminous all grades	Lignite	Total
						Grate, egg, stove, nut, d'bles cobbles and trebles	Screenings or dust	Peas, beans, and smaller sizes, n.o.p.			
Calgary.....	U.S.		184		184				212		212
Edmonton.....	U.S.		842		842				959		959
Lethbridge.....	U.S.		110	39	149				34	33	67
Medicine Hat.....	U.S.										
Total.....	U.S.		1,136	39	1,175				1,205	33	1,238

*The total tonnage received at Alberta ports of entry. See page 4, section 2, for explanation.

Table 128.—Summary Statistics for Alberta in 1936—Output, Exports, Interprovincial Shipments, Imports and Coal made Available for Consumption, by Months and by Kinds

(Short tons)

Month	Canadian coal				Imported from U.S.A.	Coal available for consumption
	Output	Received from other provinces	Shipped to other provinces	Exported		
January—						
Bituminous.....	176,221	208	35,707	70	37	140,689
Sub-bituminous.....	64,801		23,835			40,916
Lignite.....	402,444		218,933	62	11	183,460
Total.....	643,466	208	278,525	132	48	365,065
February—						
Anthracite.....						
Bituminous.....	194,235	178	34,999	5	65	159,474
Sub-bituminous.....	65,300		24,571			40,729
Lignite.....	482,145		250,394	50		231,701
Total.....	741,680	178	309,964	55	65	431,904
March—						
Bituminous.....	178,726	917	25,658	3	171	154,153
Sub-bituminous.....	47,779		6,664			41,115
Lignite.....	155,374		67,414	109		87,851
Total.....	381,879	917	99,736	112	171	283,119
April—						
Bituminous.....	165,864	1,514	22,074	10	104	145,398
Sub-bituminous.....	34,432		3,280			31,152
Lignite.....	110,048		48,150	7	1	61,892
Total.....	310,344	1,514	73,504	17	105	238,442
May—						
Bituminous.....	173,487	1,517	17,748	8	137	157,385
Sub-bituminous.....	27,165		1,995			25,170
Lignite.....	52,672		20,062	4		32,606
Total.....	253,324	1,517	39,805	12	137	215,161
June—						
Bituminous.....	163,547	1,156	19,842	7	132	144,986
Sub-bituminous.....	22,353		2,388			19,965
Lignite.....	51,952		21,844	4		30,104
Total.....	237,852	1,156	44,074	11	132	195,055
July—						
Bituminous.....	178,374	1,255	19,988	2	99	159,738
Sub-bituminous.....	16,618		3,439			13,179
Lignite.....	52,082		22,683	7		29,392
Total.....	247,074	1,255	46,110	9	99	202,309
August—						
Bituminous.....	177,538	1,274	23,423	15	140	155,514
Sub-bituminous.....	33,875		6,613			27,262
Lignite.....	107,925		56,093	53		51,779
Total.....	319,338	1,274	80,129	68	140	234,555
September—						
Bituminous.....	128,231	1,234	30,182	88	31	189,226
Sub-bituminous.....	52,367		15,395			36,972
Lignite.....	298,559		167,606	213	2	130,742
Total.....	569,157	1,234	213,183	301	33	356,940
October—						
Bituminous.....	243,881	1,149	34,900	242	36	209,924
Sub-bituminous.....	67,867		24,690			43,177
Lignite.....	481,179		296,056	472	6	184,657
Total.....	792,927	1,149	355,646	714	42	437,758
November—						
Bituminous.....	207,755	851	36,041	123	142	172,584
Sub-bituminous.....	67,584		21,868			45,666
Lignite.....	292,278		148,051	292	6	143,941
Total.....	567,597	851	205,960	415	148	362,221
December—						
Bituminous.....	210,875	171	37,533	93	111	173,531
Sub-bituminous.....	66,114		23,103			43,011
Lignite.....	355,333		189,935	80	7	165,325
Total.....	632,322	171	250,571	173	118	381,867
Total—						
Anthracite.....						
Bituminous.....	2,288,731	11,424	338,695	666	1,265	1,962,602
Sub-bituminous.....	566,235		157,891			408,344
Lignite.....	2,841,991		1,507,221	1,353	33	1,333,456
Total.....	5,696,957	11,424	2,003,207	2,019	1,298	3,704,396

Table 129.—Employees, Salaries and Wages in the Coal Mines of Alberta, by Districts, 1935

District	Average number of employees				Salaries and wages			
	Salaried employees		Wage-earners		Total	Salaries	Wages	Total
	Male	Female	Surface	Under-ground				
						\$	\$	\$
BITUMINOUS—								
Cascade.....	20	1	85	195	301	53,638	301,673	355,311
Crowneest.....	123	5	442	1,385	1,955	253,630	2,100,000	2,353,630
Mountain Park.....	71	7	240	498	816	186,954	1,033,670	1,220,624
Nordegg.....	15		81	164	260	38,003	240,395	278,398
Total bituminous.....	229	13	848	2,242	3,332	532,225	3,675,747	4,207,972
SUB-BITUMINOUS—								
Coalapur.....	32	5	257	163	457	104,239	537,605	641,844
Pekisko.....			2	8	10		5,960	5,960
Pincher.....			2	4	6		2,000	2,000
Prairie Creek.....	11		48	94	153	8,120	61,315	70,435
Saunders.....	16		25	61	102	23,538	94,252	117,790
Total sub-bituminous..	59	5	334	330	728	136,897	701,132	838,029
LIGNITE—								
Ardley.....	2		11	35	48	2,900	30,559	33,459
Big Valley.....			1	8	9		4,580	4,580
Brooks.....	2		8	5	15	4,500	10,003	14,503
Camrose.....	7	1	19	60	87	15,421	50,010	66,331
Carbon.....	9	2	33	135	179	19,627	106,107	125,734
Castor.....	1		8	63	72	500	31,407	31,907
Champion.....	1		6	48	55	602	26,710	27,312
Drumheller.....	99	5	353	1,410	1,867	211,385	1,752,127	1,963,512
Edmonton.....	63	4	123	602	792	107,592	611,423	719,015
Gleichen.....			4	16	20		11,717	11,717
Halcourt.....			2	18	20		7,056	7,056
Lethbridge.....	59	5	130	454	648	73,758	650,199	723,959
Magrath.....			1	4	5		2,281	2,281
Milk River.....			7	8	15		5,737	5,737
Pakan.....				3	3			
Pakowki.....			2	11	13		4,150	4,150
Pembina.....	5		36	51	92	8,354	72,215	80,569
Redcliff.....	2		12	40	54	3,500	34,824	38,324
Rochester.....			2	2	4		1,406	1,406
Sheerness.....	4		63	14	81	6,215	41,195	47,410
Stevetillo.....								
Taber.....	2		9	34	45	2,435	22,288	24,723
Tofield.....	5		43	4	52	15,487	33,157	48,644
Wetaskiwin.....			1	2	3		662	662
Whitecourt.....				1	1		150	150
Area not designated.....			1	5	6		3,620	3,620
Total lignite.....	261	17	875	3,033	4,166	472,276	3,514,483	3,986,759
Total Alberta.....	549	35	2,057	5,605	8,246	1,141,398	7,891,362	9,032,760

Table 130.—Employees, Salaries and Wages, in the Coal Mines of Alberta, by Districts, 1936

District	Average number of employees					Salaries and wages		
	Salaried employees		Wage-earners		Total	Salaries	Wages	Total
	Male	Female	Surface	Under-ground				
						\$	\$	\$
BITUMINOUS—								
Cascade.....	17	1	79	195	292	45,758	330,557	376,315
Crowsnest.....	107	5	449	1,438	1,999	260,560	2,080,326	2,350,886
Mountain Park.....	72	7	241	539	859	183,127	1,024,952	1,208,079
Nordegg.....	15		79	164	258	38,214	259,391	297,605
Total bituminous.....	211	13	848	2,336	3,408	527,659	3,705,226	4,232,885
SUB-BITUMINOUS—								
Coalspur.....	39	5	252	159	455	113,346	475,818	589,164
Morley.....				2	2		510	510
Pekisko.....			2	9	11		6,450	6,450
Pincher.....			2	3	5		2,803	2,803
Prairie Creek.....	12		52	115	179	21,890	224,675	246,565
Saunders.....	10		29	69	114	25,717	107,138	132,855
Total sub-bituminous.....	67	5	337	357	765	160,953	817,394	978,347
LIGNITE—								
Ardley.....	2		10	41	53	2,900	33,249	36,149
Big Valley.....			2	10	12		4,386	4,386
Brooks.....	2		9	5	16	3,500	11,367	14,867
Camrose.....	6	1	19	68	94	13,720	58,404	72,124
Carlton.....	7	3	36	140	186	14,325	126,090	140,415
Castor.....	1		13	83	97	500	39,373	39,873
Champion.....	2		7	49	58	1,660	31,770	33,430
Drumheller.....	109	7	401	1,564	2,081	225,020	2,209,696	2,434,716
Edmonton.....	76	5	135	602	878	115,454	632,228	747,682
Gleichen.....			4	18	22		13,115	13,115
Halecourt.....			2	14	16		7,990	7,990
Lethbridge.....	33	2	141	406	547	75,559	613,812	689,371
Magrath.....			1	5	6		1,618	1,618
Milk River.....			6	9	15		7,845	7,845
Pakan.....			4	1	5		249	249
Pakowki.....			1	10	11		4,497	4,497
Pembina.....	5		23	45	73	3,690	48,045	51,735
Redcliff.....	2		12	37	51	3,500	35,700	39,200
Rochester.....			52	3	5		1,800	1,800
Sheerness.....	4		52	17	73	9,720	29,867	36,587
Steveston.....								
Taber.....	1		10	29	40	1,603	18,685	20,288
Tofield.....	8		52	4	64	7,078	30,631	43,709
Wetaskiwin.....			2	5	7		1,200	1,200
Whitecourt.....				1	1		220	220
Area not designated.....	1		2	4	7	675	2,902	3,577
Total lignite.....	259	18	946	3,230	4,453	475,904	3,970,739	4,446,643
Total Alberta.....	537	36	2,131	5,923	8,627	1,164,516	8,493,359	9,657,875

Table 131.—Employment and Earnings in the Coal Mines of Alberta, 1932-1936

	1932	1933	1934	1935	1936
Average number of wage-earners—					
Surface.....	2,071	2,075	2,066	2,057	2,131
Underground.....	5,753	5,896	5,773	5,605	5,923
Total.....	7,824	7,971	7,839	7,662	8,054
Days' work done—					
Surface.....	477,200	469,430	473,827	499,136	517,453
Underground.....	1,001,994	958,835	951,265	1,087,843	1,165,041
Total.....	1,479,194	1,428,265	1,425,092	1,586,979	1,682,494
Average number of days worked per man per year—					
Surface.....	230	226	229	242	243
Underground.....	174	163	165	194	197
By all wage-earners.....	189	179	192	207	209
Total wages paid.....	\$ 7,475,667	\$ 6,900,798	\$ 6,895,136	\$ 7,891,362	\$ 8,493,359

Table 132.—Wage-Earners Employed, and Work Done, by Months, in the Coal Mines of Alberta in 1936

Month	Number of wage-earners			Days' work done		
	Surface	Under-ground	Total	Surface	Under-ground	Total
January.....	2,292	7,060	9,352	47,403	128,136	175,539
February.....	2,328	6,960	9,288	51,259	144,012	195,271
March.....	2,190	6,110	8,300	39,155	78,752	117,907
April.....	1,815	4,728	6,543	33,405	64,714	98,119
May.....	1,734	4,001	5,735	32,551	53,445	85,996
June.....	1,849	3,997	5,846	34,515	52,044	86,559
July.....	1,804	3,808	5,712	33,211	53,763	86,974
August.....	1,914	5,067	6,981	36,878	72,102	109,010
September.....	2,354	6,636	8,990	50,681	119,834	170,535
October.....	2,500	7,464	9,964	60,155	158,315	218,470
November.....	2,427	7,560	9,987	49,018	114,305	163,323
December.....	2,371	7,583	9,954	49,222	125,539	174,761
Total.....				517,453	1,165,041	1,682,494

Table 133.—Number of Man-Days Work Done in the Coal Mines of Alberta, by Districts, 1935 and 1936

District	1935			1936		
	Surface	Under-ground	Total	Surface	Under-ground	Total
BITUMINOUS—						
Brûlé.....						
Cascade.....	21,005	32,100	53,105	20,719	35,602	56,321
Crowsnest.....	113,926	272,585	386,491	107,948	258,597	364,545
Mountain Park.....	67,419	134,076	191,495	55,407	127,802	183,209
Nordegg.....	17,909	22,678	40,587	20,516	24,050	44,566
Total bituminous.....	210,259	461,419	671,678	204,500	441,051	648,641
SUB-BITUMINOUS—						
Coulspar.....	75,777	26,865	102,642	70,656	27,343	97,999
Morley.....				88	445	533
Pekisko.....	474	1,492	1,966	511	1,740	2,251
Fincher.....	279	603	882	432	669	1,101
Prairie Creek.....	12,038	22,073	34,111	13,143	29,365	42,508
Saunders.....	4,660	11,353	16,013	5,779	13,312	19,091
Total sub-bituminous.....	93,228	62,386	155,614	90,609	72,874	163,483
LIGNITE—						
Ardley.....	2,706	6,420	9,126	2,901	8,202	11,103
Big Valley.....	361	1,091	1,452	527	1,426	1,953
Brooks.....	1,678	1,122	2,800	1,808	1,201	3,009
Canroese.....	4,744	12,408	17,152	4,994	16,387	21,381
Carbora.....	7,069	21,937	29,006	8,360	25,049	33,409
Castor.....	2,788	10,526	13,314	3,988	14,488	18,476
Champion.....	1,792	8,651	10,443	1,921	8,632	10,553
Drumheller.....	72,878	255,926	328,804	88,832	300,770	389,602
Edmonton.....	30,287	127,840	158,127	33,055	146,083	179,738
Gleichen.....	1,011	3,405	4,416	988	3,492	4,480
Halecourt.....	574	3,760	4,334	691	3,239	3,930
Lethbridge.....	31,015	81,536	112,551	38,522	89,392	127,914
Magrath.....	206	862	1,068	171	731	902
Milk River.....	832	1,010	1,842	1,251	1,407	2,658
Pakan.....		122	122	238	150	388
Pakowki.....	271	1,310	1,581	295	1,186	1,481
Pembina.....	6,838	8,413	15,251	4,966	7,647	12,633
Redcliff.....	2,258	7,430	9,688	2,350	7,626	9,976
Rochester.....	414	379	793	295	566	861
Sexsmith.....				25		25
Sheerness.....	14,564	2,286	16,850	9,868	2,724	12,592
Stevenville.....						
Taber.....	1,876	5,610	7,486	1,838	4,490	6,324
Tofield.....	10,982	707	11,689	13,669	724	14,393
Wetaskiwin.....	126	406	532	277	902	1,179
Whitecourt.....	58	18	76	28	82	110
Area not designated.....	321	863	1,184	376	914	1,290
Total lignite.....	195,649	564,038	759,687	222,254	648,116	870,370
Total Alberta.....	499,136	1,087,843	1,586,979	517,453	1,165,041	1,682,494

Table 134.—Wage-Earners Employed in the Coal Mines of Alberta, by Classes, 1935 and 1936

Classification	1935			1936		
	Surface	Under-ground	Total	Surface	Under-ground	Total
Administration.....	61		61	60		60
Foremen and officials.....	114	365	479	119	382	501
Clerks.....	118		118	133		133
Screenmen and loaders.....	635		635	647		647
Hand cutters and helpers.....		1,875	1,875		2,005	2,005
Machine cutters and helpers.....		320	320		309	309
Machine loaders and helpers.....		1,492	1,492		1,562	1,562
Horse haulage employees.....	35	368	403	31	394	425
Mechanical haulage employees.....	70	259	329	68	270	338
Ventilation employees.....	1	60	61		62	62
Roadmakers.....	6	122	128	12	143	155
Timbermen.....	1	231	232		247	247
Pumpmen.....	4	39	43	4	41	45
Chute loaders.....		160	160		159	159
Enginemen.....	131	1	132	144	3	147
Firemen.....	93		93	97		90
Machinists.....	62	3	65	64	7	71
Carpenters and masons.....	45	1	46	60	3	63
Other mechanics.....	92	9	101	100	14	114
All other employees.....	589	300	889	599	322	921
Total.....	2,057	5,605	7,662	2,131	5,923	8,054

Table 135.—Capital Employed in the Coal Mines of Alberta, 1935 and 1936

	1935	1936
Capital employed as represented by—	\$	\$
Cost of lands, buildings, machinery and tools.....	31,405,166	31,435,333
Cost of supplies and stock on hand.....	965,471	938,240
Cash, trading and operating accounts and bills receivable.....	6,878,578	8,231,002
Total.....	39,249,215	40,604,575

CHAPTER TEN

BRITISH COLUMBIA

British Columbia mines produced 1,489,171 tons of coal in 1936; during the preceding year 1,331,287 tons were produced. An advance of 12.5 per cent was recorded in the output from the Crow's Nest Pass district; the 1936 total was 514,161 tons and the 1935 production, 457,149 tons. Mines in the Inland District produced 182,982 tons or 8 per cent above the output in 1935. Operators in the Island district mined 792,028 tons in 1936 as compared with 704,729 tons a year ago.

Shipments of coal from British Columbia mines (exclusive of the tonnage supplied to employees) advanced to 1,201,038 tons in 1936 from the preceding year's total of 1,115,868 tons. Railroads in Canada purchased 381,332 tons of British Columbia coal for locomotive use; in the preceding year, 347,637 tons were purchased. Shipments to the United States for railroad purposes rose to 9,538 tons from the 1935 total of 1,925 tons. Bunker coal sales increased 35.4 per cent in 1936 to 139,516 tons; a year ago, 103,005 tons were sold for this purpose. Manitoba consumers purchased 100,900 tons during the year against 95,646 tons in 1935. The remainder of the shipments were consigned for domestic and industrial use in British Columbia, the United States, Alaska, Ontario, Alberta and Saskatchewan.

Retail coal dealers purchased 6,900 tons of run-of-mine coal during the year, 155,000 tons of lump, 36,400 tons of egg, 31,400 tons of nut, 56,700 tons of pea, and 60,000 tons of slack. Domestic consumers and mine employees purchased 42,950 tons of which 55.9 per cent was lump. Shipments, direct from the mines to industrial users, totalled 154,000 tons; 52.6 per cent of the quantity was slack.

The British Columbia coal mining industry provided employment, at the mines, to 2,639 wage-earners who received wages amounting to \$3,173,091. These wage-earners obtained 686,038 man-days work in 1936 or an average of 260 days per man. During the preceding year, 2,531 men were employed, wages totalled \$2,813,429, and man-days work, 609,024, or 241 days per man.

One hundred and eight compressed air machines and one electric machine were used in 1936 by British Columbia coal mines to produce 985,640 tons or 66.2 per cent of the total tonnage mined. Explosives used during the year aggregated 295,131 pounds, or approximately 0.2 pounds of explosives used per ton of coal mined.

Table 136.—Output of Coal from British Columbia Mines, 1836-1936

(Short tons)

Calendar year	Output	Value	Calendar year	Output	Value	Calendar year	Output	Value
		\$			\$			\$
1836-1866.....	214,410	765,748	1891.....	1,130,227	3,027,528	1916.....	2,584,061	8,075,190
1867.....	34,988	124,956	1892.....	937,218	2,510,406	1917.....	2,433,888	8,235,716
1868.....	49,286	176,020	1893.....	1,093,980	2,930,304	1918.....	2,568,589	11,494,681
1869.....	40,098	143,208	1894.....	1,112,628	2,980,254	*1919.....	2,649,516	13,512,532
1870.....	33,424	119,372	1895.....	1,058,045	2,831,049	*1920.....	3,095,011	18,105,814
1871.....			1896.....	1,003,769	2,688,666	*1921.....	2,890,291	15,676,774
1872.....	166,274	593,836	1897.....	1,019,390	2,730,510	*1922.....	2,927,033	14,622,317
1873.....			1898.....	1,263,680	3,384,858	*1923.....	2,823,306	13,813,520
1874.....	90,788	243,183	1899.....	1,431,101	3,833,307	*1924.....	2,193,667	10,601,998
1875.....	109,361	292,932	1900.....	1,791,833	4,799,553	*1925.....	2,742,252	11,720,373
1876.....	157,007	420,555	1901.....	1,919,488	5,141,487	*1926.....	2,613,719	10,612,915
1877.....	156,455	419,076	1902.....	1,808,441	4,844,040	*1927.....	2,746,243	10,934,777
1878.....	213,750	572,544	1903.....	1,676,581	4,490,844	*1928.....	2,804,594	11,094,353
1879.....	260,277	697,170	1904.....	1,862,625	4,989,174	*1929.....	2,490,378	10,160,789
1880.....	305,045	817,086	1905.....	1,945,452	5,211,030	*1930.....	2,083,818	8,421,572
1881.....	257,056	688,542	1906.....	2,146,262	5,748,915	*1931.....	1,876,406	7,150,996
1882.....	323,201	865,716	1907.....	2,364,898	7,390,305	*1932.....	1,681,490	6,392,801
1883.....	240,075	643,059	1908.....	2,333,708	7,292,838	*1933.....	1,382,272	5,306,287
1884.....	441,130	1,181,598	1909.....	2,606,127	8,144,147	*1934.....	1,485,069	5,351,108
1885.....	372,987	999,072	1910.....	3,330,745	10,408,580	*1935.....	1,331,287	5,043,510
1886.....	375,415	1,005,576	1911.....	2,542,532	7,945,413	*1936.....	1,489,171	5,493,425
1887.....	486,142	1,302,165	1912.....	3,208,997	10,028,116			
1888.....	539,467	1,445,001	1913.....	2,714,420	8,482,562			
1889.....	636,439	1,704,747	1914.....	2,239,799	6,990,374			
1890.....	767,586	2,056,035	1915.....	2,065,613	6,453,041			
						Total.....	161,771,181	364,389,947

* The tonnage shown for 1919-1936 inclusive, is the total output from all mines; for previous years the figures given include only sales, colliery consumption and coal used by operators.

Table 137.—Output of Coal from British Columbia Mines, by Months, 1932-1936

(Short tons)

Month	1932	1933	1934	1935	1936
January.....	153,154	123,596	146,786	142,181	127,373
February.....	171,911	128,959	116,436	107,148	140,327
March.....	159,870	111,615	111,838	100,201	125,886
April.....	147,194	96,316	108,813	111,747	126,856
May.....	127,712	81,988	107,535	103,949	118,952
June.....	168,105	85,218	107,878	93,030	123,484
July.....	111,601	92,485	114,761	96,467	118,676
August.....	114,826	126,280	133,790	92,275	117,328
September.....	125,834	112,632	112,460	101,537	115,084
October.....	122,428	139,658	148,281	124,526	129,532
November.....	126,287	137,642	131,469	132,210	120,208
December.....	152,568	145,883	145,922	126,016	125,465
Total.....	1,681,490	1,382,272	1,485,969	1,331,287	1,489,171

Table 138.—Output of Coal by Districts in British Columbia, 1932-1936

(Short tons)

District	1932	1933	1934	1935	1936
Crow's Nest Pass.....	621,431	502,334	676,858	457,149	514,161
Inland.....	221,172	194,041	168,500	169,409	182,982
Island.....	838,887	685,897	642,611	704,729	792,028
Total.....	1,681,490	1,382,272	1,485,969	1,331,287	1,489,171

Table 139.—Output of Coal by Principal Collieries in British Columbia, 1934-1936
(Average of 500 tons or over per month)

(Short tons)

Name	Address	1934	1935	1936
CROW'S NEST PASS DISTRICT—				
Corbin Collieries, Ltd.....	Corbin.....	247,192	12,356	.....
Crow's Nest Pass Coal Co., Ltd.....	Fernie.....	429,666	444,793	514,161
Total.....	.....	676,858	457,149	514,161
INLAND DISTRICT—				
Bulkley Valley Colliery.....	Telkwa.....	3,670	3,545	5,899
Coalmont Collieries, Ltd.....	Coalmont.....	88,216	93,821	104,942
Middlesboro Collieries, Ltd.....	Merritt.....	27,564	28,691	28,517
Pleasant Valley Mining Co., Ltd.....	Princeton.....	10,147	5,799	7,202
Tulameen Collieries Ltd.....	Princeton.....	21,529	9,601	12,362
Wilson Mining and Investment Co. Ltd. (formerly Blue Flame Coal Co.).....	Vancouver.....	13,030	26,603	21,576
All other operators.....	.....	2,344	1,349	2,484
Total.....	.....	166,500	169,409	182,982
ISLAND DISTRICT—				
Canndian Collieries (Dunsmuir) Ltd.....	Nanaimo.....	368,013	289,817	266,261
Lantzville Collieries Ltd.....	Lantzville.....	4,897	7,688	8,333
Western Fuel Corporation of Canada, Ltd.....	Nanaimo.....	262,519	400,348	511,880
All other operators.....	.....	6,282	6,876	5,554
Total.....	.....	642,611	704,729	792,028
Total British Columbia.....	.....	1,485,969	1,331,287	1,489,171

Table 140.—Tonnage Lost in British Columbia Mines, Showing, by Districts, the Relative Percentage Produced and Lost, with an Analysis of the Percentage Lost, 1935 and 1936

District	Year	Per cent produced	Per cent lost	Percentage lost through				
				Absenteeism	Lack of orders	Car shortage	Mine disability	Other causes
Crow's Nest Pass.....	1935	64	36		36.0			
	1936	71	29		28.6			0.5
Inland.....	1935	80	20	0.1	17.7	1.4		0.8
	1936	83	17		14.2	1.8		1.0
Island.....	1935	85	15	0.1	14.9			
	1936	90	10	0.2	9.7			0.1
British Columbia.....	1935	76	24	0.1	23.7	0.1		0.1
	1936	81	19	0.1	17.9	0.3		0.7

Table 141.—Disposition of Coal from British Columbia Mines, by Grades, 1935 and 1936
(Short tons)

Description	1935		1936					
	Total		Run-of-mine	Lump	Nut and other grades	Slack	Total	
	Quantity	Value					Quantity	Value
		\$						\$
Supplied to employees for domestic consumption.....	16,900	53,462	587	15,821	974	5	17,187	52,645
Shipped as per Table 142.....	1,115,868	4,668,412	283,623	423,316	250,354	243,545	1,201,038	4,965,955
Used under colliery boilers, etc.....	104,139	265,902	18,172	2,477	395	91,188	112,232	280,073
Used by companies' railroads.....	3,324	15,894		2,851	34		2,885	14,928
Used in making coke at colliery.....	41,639	83,919				52,360	52,360	99,649
Put on bank.....	48,843	234,526	2,205	33,927	12,433	2,607	51,172	249,001
Put on waste heap.....	65,905						92,375	
Total disposition.....	1,396,618	5,322,115	304,787	478,192	264,190	389,705	1,529,249	5,662,251
Lifted from bank.....	65,390	278,605	2,560	15,926	12,125	9,347	39,958	168,826
Lifted from waste heap.....	31						120	
Total output.....	1,331,287	5,043,510	302,227	462,266	252,065	390,358	1,469,171	5,493,425

Table 142.—Shipments of Coal from British Columbia Mines, by Grades and Destination, 1935 and 1936

(Short tons)

Destination	1935					1936				
	Run-of-mine	Lump	Nut and other grades	Slack	Total	Run-of-mine	Lump	Nut and other grades	Slack	Total
British Columbia.....	15,508	345,019	72,741	40,640	473,908	26,811	167,116	183,195	76,177	453,299
Alberta.....	923			10,338	11,261	717			10,707	11,424
Saskatchewan.....	4,753	142		4,539	9,434	4,794	193		5,142	10,129
Manitoba.....	3,827	593		91,226	95,646	3,059	318		95,543	100,900
Ontario.....	373	338		13,503	14,274	210	248		19,284	19,742
United States.....	1,088	14,733	6,133	21,611	43,565	192	13,588	16,118	32,547	62,445
Alaska.....		14,895	318		15,213		12,588	125		12,713
Railroads for locomotive use—										
(a) In Canada.....	222,459	121,663	2,167	1,348	347,637	236,730	133,614	6,843	4,145	381,332
(b) In the United States.....	1,925				1,925	9,330	208			9,538
Bunker.....		87,949	15,056		103,005		95,443	44,073		139,516
Total.....	250,856	585,332	96,415	183,265	1,115,868	283,823	423,316	250,354	243,645	1,201,038

Table 143.—Exports of Canadian Coal through British Columbia Ports, 1932-1936

(Short tons)

Port	1932	1933	1934	1935	1936
Abbotsford.....	77				
Cranbrook.....	48,389	35,430	36,214	47,696	71,798
Fernie.....	9,329	2,641	4,025	10,232	2,280
Grand Forks.....					
Nanaimo.....	62,273	42,679	46,322	59,692	52,767
Nelson.....					1
New Westminster.....	160	195	105	109	41
Penticton.....	287	143	40	60	52
Prince Rupert.....	77	71	96	18	87
Vancouver.....	284	203	615		
Victoria.....					410
Total.....	120,876	81,362	87,417	117,807	127,426

Table 144.—Imports into British Columbia of Anthracite, Bituminous and Lignite Coal, by Ports of Entry, 1935 and 1936*

(Short tons)

Port	Source	1935				1936					
		Anthracite	Bituminous, all grades	Lignite	Total	Anthracite			Bituminous, all grades	Lignite	Total
						Grate, egg, stove, nut, d'bles, cobbles and trebles	Screenings or dust	Peas, beans and smaller sizes, n.o.p.			
Abbotsford.....	U.S.										
Cranbrook.....	U.S.										
Fernie.....	U.S.			525	525						
Grand Forks.....	U.S.		42		42					18	18
Greenwood.....	U.S.										
Nanaimo.....	U.S.		31		31				113		113
Nelson.....	U.S.		123	167	290				184	141	325
New Westminster.....	U.S.	32	84	315	431				73	321	394
	G.B.		1,116		1,116						
Penticton.....	U.S.			6	6					21	21
Prince Rupert.....	U.S.		100		100				67		67
	Alaska		43		43						
Revelstoke.....	U.S.		91		91				30		30
Vancouver.....	U.S.		1,877	3,616	5,493		30		30	1,260	5,315
	G.B.	1,568			1,568				608	4,025	6,683
	Germany										
	many										
	China.....					1,120			1,120		1,120
Victoria.....	U.S.		195		195				1,074		1,074
	G.B.								54		54
Total.....	U.S.	32	2,643	4,629	7,204		30		30	2,801	7,357
	G.B.	1,568	1,116		2,684				662	4,526	662
	Germany										
	Alaska		43		43		1		1		1
	China					1,120			1,120		1,120
Grand total.....		1,600	3,762	4,629	9,931	1,121	30		1,151	3,463	9,140

*The total tonnage received at British Columbia ports of entry. See page 4, section 2, for explanation.

Table 145.—Summary Statistics for British Columbia in 1936—Output, Exports, Inter-provincial Shipments, Imports and Coal made Available for Consumption, by Months and by Kinds

(Short tons)

Month	Canadian coal				Im-ported from United States	Im-ported from Great Britain	Im-ported from Germany	Im-ported from China	Coal available for consumption
	Output	Received from other provinces	Shipped to other provinces	Ex-ported					
January—									
Anthracite.....									
Bituminous.....	127,373	10,348	10,073	9,406	83				112,325
Sub-bituminous.....		4,461							4,461
Lignite.....		7,020		929	473				7,464
Total.....	127,373	22,729	16,073	10,335	556				124,250
February—									
Bituminous.....	140,327	11,526	14,286	16,469	326				121,424
Sub-bituminous.....		8,051							8,051
Lignite.....		11,981		1,331	1,239				11,889
Total.....	140,327	31,558	14,286	17,800	1,565				141,364
March—									
Anthracite.....									
Bituminous.....	125,886	11,176	12,804	10,728	192				107,722
Sub-bituminous.....		2,198							2,198
Lignite.....		2,552		421	559				2,690
Total.....	125,886	15,926	12,804	17,149	751				112,610
April—									
Anthracite.....									
Bituminous.....	126,856	10,542	12,100	10,245	76	564			115,693
Sub-bituminous.....		1,375							1,375
Lignite.....		3,412		48	221				3,585
Total.....	126,856	15,329	12,100	10,293	297	564			120,653
May—									
Anthracite.....					30				30
Bituminous.....	118,952	8,782	11,153	7,123	52				109,510
Sub-bituminous.....		489							489
Lignite.....		1,409		32	83				1,520
Total.....	118,952	10,740	11,153	7,155	165				111,549
June—									
Anthracite.....									
Bituminous.....	123,484	10,486	8,806	5,097	267				120,337
Sub-bituminous.....		355							355
Lignite.....		982							982
Total.....	123,484	11,826	8,806	5,097	267				121,674
July—									
Anthracite.....									
Bituminous.....	118,676	9,766	9,821	5,113	236				113,744
Sub-bituminous.....		760							760
Lignite.....		1,049							1,049
Total.....	118,676	11,575	9,821	5,113	236				115,653
August—									
Anthracite.....									
Bituminous.....	117,328	10,942	9,756	8,066	155	98			110,704
Sub-bituminous.....		1,556							1,556
Lignite.....		3,093		64	92				3,221
Total.....	117,328	15,591	9,756	8,130	250	98			115,381
September—									
Anthracite.....									
Bituminous.....	115,084	10,761	7,332	9,883					108,630
Sub-bituminous.....		3,559							3,559
Lignite.....		9,417		125	428				9,720
Total.....	115,084	23,737	7,332	10,008	428				121,900
October—									
Anthracite.....									
Bituminous.....	129,532	11,213	12,787	13,202	192				114,948
Sub-bituminous.....		4,058							4,058
Lignite.....		13,339		672	261				12,928
Total.....	129,532	28,610	12,787	13,874	453				131,934

Table 145.—Summary Statistics for British Columbia in 1936—Output, Exports, Inter-provincial Shipments, Imports and Coal made Available for Consumption, by Months and by Kinds—Concluded

(Short tons)

Month	Canadian Coal				Im-ported from United States	Im-ported from Great Britain	Im-ported from Germany	Im-ported from China	Coal available for consumption
	Output	Received from other provinces	Shipped to other provinces	Ex-ported					
November—									
Anthracite.....									
Bituminous.....	120,208	12,744	11,325	10,730	1,090				111,987
Sub-bituminous.....		5,650							5,650
Lignite.....		10,847		578	264				10,533
Total.....	120,208	29,241	11,325	11,308	1,354				128,170
December—									
Anthracite.....							1	1,120	1,121
Bituminous.....	125,465	12,720	15,952	10,272	129				112,090
Sub-bituminous.....		6,328							6,328
Lignite.....		9,036		902	906				9,040
Total.....	125,465	28,084	15,952	11,174	1,035		1	1,120	128,579
Total—									
Anthracite.....					30		1	1,120	1,151
Bituminous.....	1,489,171	131,009	142,195	122,334	2,801	662			1,359,114
Sub-bituminous.....		38,840							38,840
Lignite.....		75,097		5,102	4,526				74,521
Total.....	1,489,171	244,946	142,195	127,436	7,357	662	1	1,120	1,473,626

Table 146.—Employees, Salaries and Wages in the Coal Mines of British Columbia, by Districts, 1935 and 1936

District	Average number of employees					Salaries and wages		
	Salaried employees		Wage-earners		Total	Salaries	Wages	Total
	Male	Female	Surface	Under-ground				
1935						\$	\$	\$
Crow's Nest Pass.....	63	5	118	434	620	136,188	621,524	757,712
Inland.....	23	3	154	267	447	47,937	442,276	490,213
Island.....	102	8	514	1,044	1,668	238,609	1,749,629	1,988,238
British Columbia.....	188	16	786	1,745	2,735	422,734	2,813,429	3,236,163
1936								
Crow's Nest Pass.....	38	1	122	449	610	116,807	676,981	793,788
Inland.....	23	4	158	267	452	49,636	452,504	502,140
Island.....	87	9	550	1,093	1,739	220,447	2,043,606	2,264,053
British Columbia.....	148	14	830	1,809	2,801	386,890	3,173,091	3,559,981

Table 147.—Employment and Earnings in the Coal Mines of British Columbia, 1932-1936

	1932	1933	1934	1935	1936
Average number of wage-earners—					
Surface.....	1,036	925	890	786	830
Underground.....	2,648	2,125	1,959	1,745	1,809
Total.....	3,684	3,050	2,849	2,531	2,639
Days' work done—					
Surface.....	255,599	210,503	211,853	197,095	224,155
Underground.....	524,968	406,007	407,048	411,929	461,883
Total.....	780,567	616,510	618,901	609,024	686,038
Average number of days worked per man per year—					
Surface.....	247	226	238	251	270
Underground.....	198	191	208	236	255
By all wage-earners.....	212	202	217	241	260
Total wages paid.....	\$ 3,772,062	\$ 2,886,364	\$ 2,900,190	\$ 2,813,429	\$ 3,173,091

Table 148.—Wage-Earners Employed, and Work Done by Months in the Coal Mines of British Columbia in 1936

Month	Number of wage-earners			Days' work done		
	Surface	Under-ground	Total	Surface	Under-ground	Total
January.....	805	1,843	2,648	18,234	40,992	59,226
February.....	833	1,862	2,695	19,235	44,492	63,727
March.....	818	1,823	2,641	18,594	40,460	59,054
April.....	789	1,757	2,546	17,782	38,335	56,117
May.....	785	1,760	2,545	16,923	34,488	51,411
June.....	790	1,741	2,531	17,083	35,191	52,274
July.....	813	1,746	2,559	18,071	34,677	52,748
August.....	837	1,769	2,606	18,468	35,181	53,649
September.....	859	1,786	2,645	19,035	36,064	55,099
October.....	867	1,854	2,721	20,385	41,621	62,006
November.....	881	1,882	2,763	19,999	39,559	59,558
December.....	888	1,888	2,776	20,346	40,823	61,169
Total.....				224,155	461,883	686,038

Table 149.—Number of Man-Days Worked in British Columbia, by Districts, 1935 and 1936

District	1935			1936		
	Surface	Under-ground	Total	Surface	Under-ground	Total
Crow's Nest Pass.....	23,113	83,599	106,702	26,631	98,648	125,279
Inland.....	41,483	59,406	100,889	44,221	61,697	105,918
Island.....	132,499	268,934	401,433	153,303	301,538	454,841
Total.....	197,095	411,929	609,024	224,155	461,883	686,038

Table 150.—Wage-Earners in the Coal Mines of British Columbia, by Classes, 1935 and 1936

Classification	1935			1936		
	Surface	Under-ground	Total	Surface	Under-ground	Total
Administration.....	8		8	7		7
Foremen and officials.....	30	85	115	32	80	112
Clerks.....	32		32	29		29
Screenmen and loaders.....	129		129	128		128
Hand cutters and helpers.....		409	409		323	323
Machine cutters and helpers.....		136	136		202	202
Machine loaders and helpers.....		309	309		307	307
Horse haulage employees.....	4	149	153	4	148	152
Mechanical haulage employees.....	12	216	228	14	249	263
Ventilation employees.....		21	21		28	28
Roadmakers.....		29	29		33	33
Timbermen.....	4	100	104	3	105	108
Pumpmen.....		7	7		8	8
Chute loaders.....		10	10		24	24
Enginemmen.....	54	2	56	56		56
Firemen.....	35		35	29		29
Machinists.....	40	4	44	45	5	50
Carpenters and masons.....	44		44	44		44
Other mechanics.....	77	78	155	79	83	162
All other white employees.....	219	188	407	247	214	461
Japanese.....	1	2	3	2		2
Chinese.....	97		97	113		113
Indians.....						
Total.....	786	1,745	2,531	830	1,809	2,639

Table 151.—Capital Employed in the Coal Mines of British Columbia, 1935 and 1936

	1935	1936
	\$	\$
Capital employed as represented by—		
Cost of lands, buildings, machinery and tools.....	17,301,611	15,965,370
Cost of supplies and stock on hand.....	356,752	412,959
Cash, trading and operating accounts and bills receivable.....	2,369,360	2,403,334
Total.....	20,027,729	18,781,663

CHAPTER ELEVEN

YUKON

Production from the Tantalus Butte coal mine in 1936 amounted to 510 tons as compared with 835 tons in 1935. The 1936 shipments totalled 75 tons; two tons were supplied to mine employees and 10 tons were used under colliery boilers. Sixty-one tons of bituminous coal were imported through the customs' ports of Dawson and White Horse. One ton of bituminous coal was exported through Dawson.

Table 152.—Output of Coal from Yukon Mines, 1901-1936
(Short tons)

Calendar year	Short tons	Value	Calendar year	Short tons	Value	Calendar year	Short tons	Value
		\$			\$			\$
1901.....	(a) 5,864	86,230	1914.....	13,443	53,760	*1927.....	414	2,052
1902.....	4,910	37,280	1915.....	9,724	38,896	*1928.....	414	2,915
1903.....	1,849	29,584	1916.....	3,300	13,200	*1929.....	458	1,848
1904.....			1917.....	4,872	129,232	*1930.....	653	3,110
1905.....	7,000	21,000	1918.....	2,900	11,600	*1931.....	904	5,039
1906.....	7,000	28,000	*1919.....			*1932.....	808	3,491
1907.....	15,000	60,000	*1920.....			*1933.....	862	3,670
1908.....	3,847	21,158	*1921.....	233	2,472	*1934.....	638	2,217
1909.....	7,364	49,502	*1922.....	465	4,650	*1935.....	835	3,483
1910.....	16,185	110,925	*1923.....	313	1,485	*1936.....	510	2,286
1911.....	2,840	12,780	*1924.....	1,121	8,265			
1912.....	9,245	44,958	*1925.....	730	7,147	Total.....	144,730	798,280
1913.....	19,722	95,945	*1926.....	316	800			

(a) Part of this production was mined in 1900.

† Value not reported, but estimated.

* For the years 1919-1936 the tonnage shown, is the total output from all mines; for previous years the figures shown include only sales, colliery consumption and coal used by operators.

Table 153.—Disposition of Coal Output from Yukon Mines, by Grades, 1935 and 1936
(Short tons)

	1935					1936				
	Run of mine	Nut and other grades	Slack	Total		Run of mine	Screened	Slack	Total	
				Quantity	Value				Quantity	Value
					\$					\$
Supplied to employees for domestic consumption.....			4	4	12			2	2	6
Shipped (all to Yukon points).....		310		310	3,109		75		75	750
Used under colliery boilers, etc....			17	17	51			10	10	30
Put on bank.....		144		144	1,440		175		175	1,750
Put on waste heap.....				472					273	
Total disposition.....		454	21	947	4,603		250	12	635	2,536
Lifted from bank.....		112		112	1,120		25		25	250
Total Output.....		342	21	835	3,483		225	12	510	2,286

Table 154.—Imports of Bituminous Coal into Yukon and Exports of Canadian Coal through Yukon Ports, 1932-1936
(Short tons)

	1932	1933	1934	1935	1936
IMPORTS—					
Dawson.....			30	20	37
White Horse.....	4	7	7		24
Total.....	4	7	37	20	61
EXPORTS—					
Dawson.....					1
White Horse.....			10	28	
Total.....			10	28	1

Table 155.—Summary Statistics for 1936—Output, Exports, Interprovincial Shipments, Imports and Coal made Available for Consumption in Yukon, by Months and by Kinds

(Short tons)

Month	Canadian coal				Imported from U.S.A.	Coal available for consumption
	Output	Received from other provinces	Shipped to other provinces	Exported		
April—						
Bituminous.....					4	4
May—						
Bituminous.....	250				3	253
June—						
Bituminous.....	260				45	305
July—						
Bituminous.....						
August—						
Bituminous.....				1		
September—						
Bituminous.....						
October—						
Bituminous.....					7	7
November—						
Bituminous.....					2	2
Total—Bituminous.....	510			1	61	570

*Allowance has been made for 1 ton exported in August.

Table 156.—Employment and Earnings in the Coal Mines of Yukon, 1932-1936

	1932	1933	1934	1935	1936
Average number of wage-earners—					
Surface.....	1	2	1	1	1
Underground.....	2	2	2	2	2
Total.....	3	4	3	3	3
Days' work done—					
Surface.....	103	98	71	50	44
Underground.....	179	104	142	100	88
Total.....	282	202	213	150	132
Average number of days worked per man per year—					
Surface.....	103	46	71	50	44
Underground.....	90	52	71	50	44
By all wage-earners.....	94	51	71	50	44
Total wages paid.....	\$ 2,425	\$ 2,500	\$ 1,500	\$ 1,050	\$ 1,439

Table 157.—Wage-Earners Employed and Work Done by Months in Yukon Coal Mines in 1936

Month	Number of employees			Days' work done		
	Surface	Underground	Total	Surface	Underground	Total
May.....	1	2	3	20	40	60
June.....	1	2	3	24	48	72
Total.....				44	88	132

Table 158.—Capital Employed in the Coal Mines of Yukon, 1935 and 1936

	1935	1936
	\$	\$
Capital employed as represented by—		
Cost of lands, buildings, machinery and tools.....	203,000	203,000
Cost of supplies and stock on hand.....	620	1,750
Cash, trading and operating accounts and bills receivable.....		
Total.....	203,620	204,750

CHAPTER TWELVE

WORLD PRODUCTION OF COAL

The world production of coal in 1936 was estimated at 1,464,086,000 long tons; in 1935 the output was 1,290,000,000 long tons.

An advance of 3·0 per cent was recorded in the output of bituminous coal in Great Britain in 1936 when 222,009,000 long tons were produced; anthracite coal production, on the other hand, declined 5·3 per cent during the year to 6,439,000 long tons. Production in the United States rose 16·3 per cent to 436,455,000 long tons from the previous year's total of 375,292,393 long tons. Germany's output totalled 313,654,000 long tons or 9·9 per cent above the 1935 production. The Russian output amounted to 118,954,000 long tons as compared with 102,177,000 long tons in 1935. France produced 45,404,000 long tons in 1936; during the preceding year, 47,248,119 tons were produced. Czechoslovakia's output increased 9·3 per cent in 1936 to 27,966,000 long tons. The Canadian output in 1936 aggregated 13,597,484 long tons or 9·7 per cent above the tonnage mined in 1935.

Table 159.—World Production of Coal* 1932-1936

(Including brown coal)
(Long tons)

Country	1932	1933	1934	1935	1936
BRITISH EMPIRE					
Great Britain—					
Anthracite.....	6,616,972	7,053,043	7,126,733	6,798,415	6,439,000
Bituminous.....	202,116,168	200,059,200	213,600,955	215,453,637	222,009,000
Irish Free State—					
Anthracite.....	64,500	86,246	89,731	85,738	†
Semi-bituminous.....	16,674	19,041	21,343	26,985	†
Nigeria.....	252,485	235,133	259,754	257,819	†
Southern Rhodesia.....	431,183	476,340	632,790	683,654	694,000
Union of South Africa.....	9,704,425	10,545,197	12,002,100	13,359,508	14,601,000
Canada—					
Bituminous.....	6,887,749	7,124,360	8,981,055	8,704,322	9,639,406
Sub-bituminous.....	500,805	494,748	479,918	505,737	505,567
Lignite.....	3,092,618	3,008,878	2,869,556	3,189,946	3,452,511
British Borneo—					
Brunei.....	†	†	†	838	†
State of North Borneo.....	168	78	28	†	†
Federated Malay States.....	277,848	218,247	321,461	377,441	.....
India—					
Gondwana Coalfields.....	19,814,524	19,456,254	21,691,404	22,607,552	20,494,000
Tertiary Coalfields.....	338,863	332,909	366,043	409,143	
Used by mines.....	504,000	495,000	551,000	†	
Australia.....					
Bituminous.....	8,585,858	9,091,976	9,579,033	10,887,954	14,359,000
Lignite.....	2,612,512	2,580,060	2,617,534	2,221,515	
New Zealand—					
Bituminous.....	928,234	843,845	831,702	825,227	†
Brown coal.....	806,397	850,238	1,103,968	1,170,805	†
Lignite.....	107,391	117,175	124,645	119,152	†
Total British Empire.....	264,000,000	263,000,000	283,000,000	288,000,000	.....
FOREIGN COUNTRIES					
Austria—					
Bituminous.....	217,819	235,150	246,861	256,484	240,000
Brown coal.....	3,055,021	2,906,862	2,805,905	2,923,765	2,850,000
Belgium—					
Anthracite and semi-anthracite.....	4,656,753	5,246,607	5,731,792	5,158,236	27,428,000
Bituminous.....	16,428,442	19,653,598	20,240,018	20,929,493	
Bulgaria—					
Anthracite.....	3,075	3,465	6,812	1,632,744	1,181,000
Bituminous.....	93,758	75,184	70,731		
Brown coal.....	1,636,501	1,469,896	1,543,192		
Czechoslovakia—					
Bituminous.....	10,787,907	10,365,055	10,518,684	10,722,420	12,154,000
Brown coal.....	15,607,935	14,825,194	14,932,486	14,874,878	15,812,000
France—					
Saar.....	10,273,195	10,394,373	11,138,953 (f)	1,673,228	.....
Other districts.....					
Anthracite and bituminous (a).....	45,535,513	46,146,465	46,879,876	46,362,840	44,499,000
Lignite.....	975,695	1,076,417	1,009,284	885,279	905,000
Germany—					
Bituminous.....	103,080,309	107,959,643	122,884,578	140,744,275	154,752,000
Lignite.....	120,709,696	124,791,923	135,105,863	144,748,744	158,902,000
Greece—					
Lignite.....	135,410	97,496	102,547	91,163	†
Hungary—					
Bituminous.....	880,674	787,418	744,316	809,825	†
Brown coal.....	5,395,064	5,393,595	5,661,394	6,146,993	7,084,000
Lignite.....	442,726	420,348	420,101	464,588	
Lignite (dehydrated).....	115,203	115,310	113,526	118,902	

Table 159.—World Production of Coal* 1932-1936—Concluded

(Including brown coal)

(Long tons)

Country	1932	1933	1934	1935	1936
Italy—					
Anthracite.....	47,004	66,644	83,212	69,042	87,000
Bituminous.....	204,390	262,439	284,481	366,477	725,000
Brown coal.....	370,107	376,712	402,162	536,867	782,000
Jugoslavia—					
Bituminous.....	362,187	377,432	381,099	393,624	†
Brown coal.....	3,030,987	2,806,202	2,944,406	3,034,480	3,985,000
Lignite.....	1,010,853	906,274	921,391	936,659	†
Netherlands—					
Bituminous.....	12,554,978	12,375,372	12,145,975	11,690,250	12,597,000
Brown coal.....	122,115	95,511	91,032	84,843	89,000
Poland—					
Bituminous.....	28,379,163	26,924,235	28,771,390	28,091,945	29,270,000
Brown coal.....	32,900	32,963	25,986	18,170	20,000
Portugal—					
Anthracite.....	187,632	205,399	195,906	202,139	†
Bituminous.....	49,753	19,426	3,652	5,390	†
Brown coal.....	16,043	11,291	14,835	19,476	†
Roumania—					
Anthracite.....	12,052	17,777	17,726	16,935	†
Bituminous.....	172,992	173,986	207,004	256,962	†
Lignite.....	1,440,807	1,282,878	1,598,211	1,624,100	†
Russia—					
Anthracite.....					
Bituminous—					
European.....	63,299,000	74,730,000	92,456,000	102,177,000	118,954,000
Asiatic.....					
Brown coal.....					
Spain—					
Anthracite.....	539,110	563,399	634,440	690,000	†
Bituminous.....	6,206,607	5,340,855	5,203,891	6,214,994	†
Brown coal.....	330,981	296,260	293,926	299,028	†
Spitzbergen and Bear Island.....	261,500	410,367	524,303	648,608	†
Sweden.....	327,816	343,410	408,668	416,813	†
Switzerland (b).....	4,000	4,000	3,000	4,000	†
Algeria.....	24,584	29,948	33,465	37,316	†
Belgian Congo.....	17,000	413	4,622	11,136	†
Morocco (French)—					
Anthracite.....	14,724	27,275	35,484	51,864	†
Mozambique.....	19,430	15,600	21,524	15,250	†
Greenland.....	†	6,000	6,000	6,000	†
Mexico.....	642,314	636,622	769,803	1,124,847	†
United States—					
Anthracite.....	44,513,590	44,233,343	51,043,117	45,538,393	48,893,000
Bituminous and lignite.....	276,526,671	297,884,404	320,864,305	329,754,000	387,562,000
Brazil.....	499,170	624,442	697,071	744,998	†
Chile.....	1,063,027	1,513,770	1,778,979	1,869,928	1,840,000
Colombia (estimated).....	200,000	200,000	200,000	200,000	200,000
Peru—					
Anthracite.....	2,016	2,639	3,543	2,422	†
Bituminous.....	23,400	26,961	31,220	81,279	†
Venezuela (c).....	4,644	4,802	6,000	†	†
China (d).....	18,370,000	18,505,000	20,568,000	12,000,000	†
Dutch East Indies.....	1,033,639	1,018,881	1,014,610	1,093,437	725,000
Formosa.....	1,335,593	1,333,701	1,355,000	†	†
French Indo-China—					
Anthracite.....	1,640,637	1,517,861	1,530,025	1,713,100	†
Bituminous.....	22,328	25,508	36,620	33,400	†
Brown coal.....	23,091	22,644			
Japan—					
Semi-anthracite and bituminous.....	27,610,311	32,010,079	35,357,604		
Brown coal.....	106,818	113,958	122,815	37,166,085	†
Karafuto.....	666,691	874,874	1,177,748	106,812	†
Korea—					
Anthracite.....		729,511	966,855	†	†
Bituminous.....	1,086,755	556,585	695,122	1,967,579	†
"Manchoukuo".....	7,992,000	9,425,426	11,640,768	†	†
Philippine Islands.....	18,184	15,668	†	†	†
Turkey in Asia—					
Bituminous.....	1,568,411	1,822,856	2,252,129	2,303,526	2,261,000
Lignite.....	13,346	29,094	51,943	72,196	
Total Foreign countries.....	850,000,000	890,000,000	980,000,000	1,000,000,000	
Grand Total.....	1,110,000,000	1,150,000,000	1,260,000,000	1,230,000,000	1,464,056,000

*Data for 1931-1935 obtained from *The Mineral Industry of the British Empire and Foreign Countries*; data for 1936 from various authoritative publications.

† Information not available.

(a) Includes about 5,000 tons of anthracite each year.

(b) United States Bureau of Mines estimate.

(c) Excluding production in government owned mines.

(d) Of which about 3,000,000 tons are anthracite and 300,000 tons are lignite.

(e) New South Wales only.

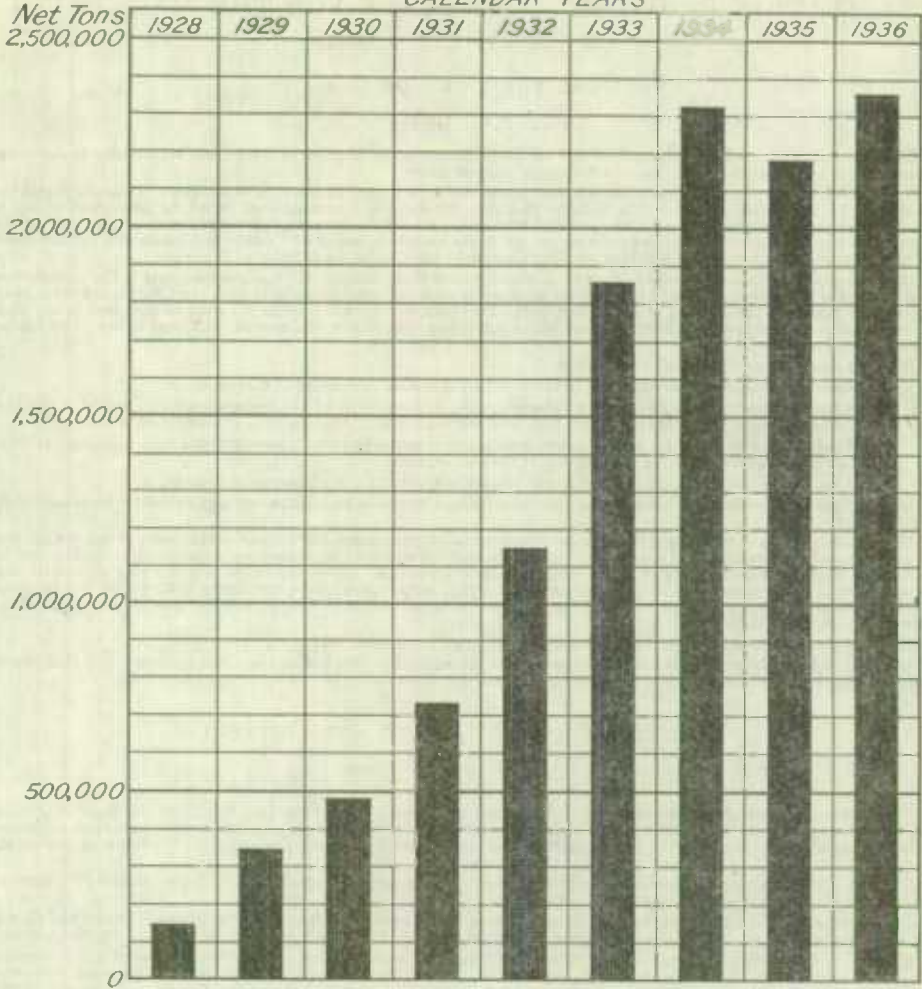
(f) January to February 17th, only, after which date production is included with that of Germany.

DOMINION FUEL BOARD

Canadian coal moved
under assisted rates

1928-1936

CALENDAR YEARS



THOUSANDS OF NET TONS

From:-									
N.S.	114	304	372	402	710	1,384	1,748	1,588	1,681
N.B.	—	—	—	—	1	1	10	14	21
ALTA.	32	37	89	204	238	260	323	339	364
SASK.	Nil	Nil	20	60	100	131	144	139	147
B.C.	Nil	Nil	Nil	66	99	80	98	102	143
Total	146	342	480	733	1,149	1,856	2,324	2,182	2,356

ALTA. INCLUDES CROWS NEST DISTRICT OF B.C.

APPENDIX ONE

LEGISLATION PROVIDING ASSISTANCE FOR THE MARKETING
OF CANADIAN COAL

COAL FOR COKE OR GAS

P.C. 944

The Committee of the Privy Council, on the recommendation of the Minister of Mines, advise, in order to encourage the greater use of Canadian coal in the manufacture of coke or gas:—

(1) That in respect of coal mined in Canada and transported to and used at any coke or gas plant in Canada during the period fixed by this Order in Council, the Minister of Mines, through the Dominion Fuel Board, be authorized to pay to coal operators, from such sums as may be provided by Parliament for the purpose, the difference in amount per net ton between the laid down cost to the coke oven proprietor or gas manufacturer, of coal mined in Canada and the laid down cost at the same plant of imported fuel that would otherwise be used, up to a maximum of \$1 per ton.

(2) That payments to coal operators shall be made only upon that quantity of Canadian coal used in the manufacture of coke or gas at the plant in excess of the average quantity of such coal used annually in such plant during the three years immediately preceding the 31st day of December, 1931. Provided that trial shipments of Canadian coal used in any plant for experimental purposes only shall not be included in computing the amount of Canadian coal used in any plant for the purposes of this section.

(3) That the said payments shall not apply on:—

(a) Coal manufactured into coke used in the smelting of metals or melting of metals.

(b) Coal upon which any subvention or reduced freight rate provided by the Government of Canada is payable under authority of Orders in Council P.C. 1300 and P.C. 1303 of May 30, 1931, or amendments thereto.

(c) Coal which was mined by coal operators from mines or properties which were brought into operation or commenced shipping coal after the 31st day of December, 1931.

(d) Coal used in any plant subject to the provisions of Chapter 52 of the Statutes of Canada, 1927.

(4) That the Minister of Mines reserves the right of refusing approval in each and every application for assistance under this authority.

(5) For the purpose of computing the amount of assistance payable under this authority the cost per ton of Canadian coal at the point of consumption and the cost per ton of imported fuel which would otherwise be used shall be determined by the Minister upon report of the Dominion Fuel Board or such other authority or person as the Minister may appoint for that purpose. The Minister or any person appointed by him for that purpose shall have free access to all works, books, plans, records or documents of any operator claiming payments under this Order in Council in so far as may be necessary for the purposes of this Order in Council.

(6) That the assistance herein authorized shall be effective from April 1, 1932.

(7) That the Dominion Fuel Board be charged with the administrative duties connected herewith and shall report annually to the Minister of Mines as to the amount paid coal operators during the period of the movement.

MARITIME COAL TO QUEBEC AND ONTARIO

P.C. 1119 (*Superseded by P.C. 1862—Aug. 4, 1936*)

The Committee of the Privy Council have had before them a report, dated 14th May, 1934, from the Minister of Mines with reference to an Order in Council of 9th May, 1932 (P.C. 1048) with amendments thereto, which provides assistance to the movement of coal mined in the Maritime Provinces and shipped to consuming points in the Provinces of Quebec and Ontario.

The Committee, on the recommendation of the Minister of Mines, advise that the said Order in Council P.C. 1048 and amendments thereto be rescinded and that:

(1) Movements of coal mined in the Maritime Provinces and shipped to points in the Provinces of Ontario and Quebec be assisted by payments out of such sums as may be provided by Parliament from year to year for that purpose.

(2) That with respect to coal mined in the Province of Nova Scotia and carried by water transportation to St. Lawrence ports and thence transhipped by the railways to points in the Province of Quebec for use by consumers other than the railways and as hereinafter excepted, the assistance granted for such transshipments shall be by the reduction of one-fifth of one cent per ton per mile from the existing rail rates, provided that the amount of said reduction shall in no instance exceed 75c. per net ton, the amount of said reduction being payable to the railways.

(3) That with respect to coal mined in the Province of Nova Scotia and carried by water transportation to St. Lawrence ports and thence transhipped by the railways to points in the Province of Ontario and to the City of Hull in the Province of Quebec for use by consumers other than the railways, the assistance granted for such transshipments shall be by the reduction of one-third of one cent per ton per mile from the existing rail rates provided that the amount of said reduction shall in no instance exceed \$1.50 per net ton, the amount of said reduction being payable to the railways.

(4) That with respect to coal mined in the Province of Nova Scotia and transported wholly by rail to points in the Provinces of Quebec and Ontario for use by consumers other than the railways, the assistance granted shall be by payments to the railways of one-seventh of one cent per ton per mile from the existing rail rates, provided that the assistance shall in no instance exceed \$2 per net ton.

(5) That with respect to coal mined in the Maritime Provinces and carried by water transportation to any point situated west of the Island of Montreal the assistance granted shall be the sum of \$1 per net ton payable to the coal mine operators or distributors of the said coal, provided that in no instance shall the assistance exceed that provided by railway transportation under sections (2) and (3) of this Order in Council.

(6) That with respect to coal mined in the Maritime Provinces and carried by water transportation to any point situated west of the Island of Montreal under the assistance provided by section (5) hereof, and thence transhipped by the railways to points in the Province of Ontario situated west of the City of Kingston for use by consumers other than the railways, the assistance granted shall be by the reduction of one-third of one cent per ton per mile from the existing rail rates; provided that the amount of said reduction shall in no instance exceed \$1 per net ton, the amount of said reduction being payable to the railways.

- (7) That with respect to coal mined in the Maritime Provinces and purchased by railway companies for their own use at points in the Provinces of Quebec and Ontario, payments shall be made to the coal mine operators or coal distributors of the difference in amount per net ton between the laid-down cost to the railways of coal mined in the Maritime Provinces and the laid-down cost at the same points of imported coal that would otherwise be used up to a maximum of \$2 per net ton; Provided that:
 - (a) for the purpose of this Order in Council the said difference of laid-down costs shall be determined by the Dominion Fuel Board.
- (8) That the assistance shall apply only on movements of coal to points where the Canadian coal to be used is at a disadvantage in competing with foreign coal.
- (9) That the assistance shall apply only on shipments of coal from coal mines or coal properties which were in operation and shipping prior to December 31, 1930.
- (10) That the assistance shall not apply on shipments of less than carload lots.
- (11) That the assistance shall not be granted to those participating who refuse or fail to furnish such information as the Minister of Mines may consider necessary in the administrative duties connected with this movement; and that for the purpose of certifying such information the Minister of Mines or such officers of the Dominion Fuel Board as he may designate shall have free access to all books, records or accounts kept by shippers or the railways in connection with this movement and make such examination thereof as may be considered necessary or expedient.
- (12) That the Minister of Mines be given the right to refuse approval in each and every application for assistance under this authority.
- (13) That the Dominion Fuel Board be charged with the duty of administering this Order in Council and be required to report to the Minister of Mines as to the amounts paid under this Order in Council each year during the said period.
- (14) That Order in Council P.C. 1048 of May 9, 1932, and amendments thereto, be hereby rescinded, but that shipments shall be continued on acceptances that would be granted under authority thereof until the tonnages authorized have been shipped.

P.C. 870 (*Superseded by P.C. 1862—Aug. 4, 1936*)

The Committee of the Privy Council have had before them a report, dated 1st April, 1935, from the Minister of Mines submitting that Section 4 of Order in Council P.C. 1119 of May 28, 1934, which provides assistance to coal mined in the Maritime Provinces and shipped to consuming points in the Provinces of Quebec and Ontario, reads as follows:—

4. "That with respect to coal mined in the Province of Nova Scotia and transported wholly by rail to points in the Provinces of Quebec and Ontario for use by consumers other than the railways the assistance granted shall be by payments to the railways of one-seventh of one cent per ton per mile from the existing rail rates provided that the assistance shall in no instance exceed \$2 per net ton."

The Committee, on the recommendation of the Minister of Mines, advise that the provisions of the said Section 4 be rescinded and the following substituted in lieu thereof:—

"That with respect to coal mined in the Province of Nova Scotia and transported wholly by rail to points in the Province of Quebec for use by consumers other than the railways, payments shall be made to the railways of the difference in amount per net ton between the laid down cost to the consumer of coal mined in Nova Scotia, and the laid down cost at the same points of imported coal that would otherwise be used up to a maximum of \$2 per net ton; Provided that:

(a) for the purpose of this Order in Council the said difference of laid down costs shall be determined by the Dominion Fuel Board."

"That with respect to coal mined in the Province of Nova Scotia and transported wholly by rail to points in the Province of Ontario for use by consumers other than the railways the assistance granted shall be by payments to the railways of one-seventh of one cent per ton per mile from the existing rail rates provided that the assistance shall in no instance exceed \$2 per net ton."

P.C. 1862

The Committee of the Privy Council have had before them a Report, dated 21st July, 1936, from the Minister of Mines with reference to an Order in Council P.C. 1119 of May 28, 1934, which authorizes assistance to the movement of coal mined in Nova Scotia and shipped to consuming points in the Provinces of Quebec and Ontario.

The Committee submit that the importance of an extension of the market for Canadian coal is appreciated and that the Government is willing to facilitate this by granting financial assistance to the Canadian coal industry under conditions described hereunder.

The Committee, therefore, on the recommendation of the Minister of Mines, advise that the said Order in Council, P.C. 1119 of May 28, 1934, and amendments thereto, be hereby rescinded and that:—

(1) Movements of coal mined in the Province of Nova Scotia and shipped to points in the Province of Quebec and Ontario be assisted by payments out of such sums as may be provided by Parliament from year to year for that purpose.

(2) With respect to coal mined in the Province of Nova Scotia and transported wholly by rail to points in the Province of Quebec (excluding the City of Hull, points on the Quebec and Lake St. John Railway, the Murray Bay line of the Canadian National Railway and points on the Railways Enst of Levis and the Quebec terminals) for use by consumers other than the railways, the assistance granted shall be by a thirty per cent (30%) reduction of the freight rate in effect at the time of shipment, the amount of the said reduction being payable to the Railways.

(3) With respect to coal mined in the Province of Nova Scotia and transported wholly by rail to points in the Province of Ontario and to the City of Hull in the Province of Quebec for use by consumers other than the railways, the assistance granted shall be by the reduction of one-seventh of one cent per ton per mile from the existing rail rates; provided that the amount of said reduction shall in no instance exceed one dollar and fifty cents (\$1.50) per net ton.

(4) With respect to coal mined in the Province of Nova Scotia and carried by water transportation to St. Lawrence ports and thence transhipped by the railways to points in the Province of Ontario and to the City of Hull in the Province of Quebec for use by consumers other than the railways, the assistance granted for such transshipments shall be by the reduction of one-third of one cent per ton per mile from the existing rail rates from the port of Montreal; provided that the amount of said reduction shall in no instance exceed one dollar and fifty cents (\$1.50) per net ton, the amount of the said reduction being payable to the railways.

(5) With respect to coal mined in the Province of Nova Scotia and carried by water transportation to any point situated West of the Island of Montreal, the assistance granted shall be the same amount as that provided for rail movements as authorized in the preceding Section hereof; provided the amount of said assistance shall in no instance exceed one dollar and fifty cents (\$1.50) per net ton, same being paid to the coal mine operators or distributors of the said coal.

(6) With respect to coal mined in the Province of Nova Scotia and carried by water transportation to any point situated West of the Island of Montreal under the assistance provided by Section five hereof, and thence transhipped by the railways to points in the Province of Ontario situated West of the City of Kingston for use by consumers other than the Railways, the assistance granted shall be by the reduction of one-third of one cent per ton per mile from the existing rail rates; provided that the amount of the said reduction shall in no instance exceed one dollar per net ton and shall be payable to the Railways.

(7) With respect to coal mined in the Province of Nova Scotia and purchased by Railway companies for their own use at points in the Provinces of Quebec and Ontario, payments shall be made to the coal mine operators or coal distributors of the difference in amount per net ton between the laid down cost to the railways of coal mined in the Province of Nova Scotia and the laid down cost at the same points of imported coal that would otherwise be used up to a maximum of two dollars per net ton; provided that:

(a) for the purpose of this Order in Council, the said difference of laid down costs shall be determined by the Dominion Fuel Board.

(8) The assistance shall apply only on shipments of coal from coal mines or coal properties which were operating under legal permit and shipping coal prior to December 31, 1930.

(9) The assistance shall not apply on shipments of less than carload lots.

(10) The assistance shall not be granted to those participating who refuse or fail to furnish such information as the Minister of Mines may consider necessary in the administrative duties connected with this movement; and that for the purpose of certifying such information the Minister of Mines or such officers of the Dominion Fuel Board as he may designate shall have free access to all books, records or accounts kept by shippers or the railways in connection with this movement and may make such examination thereof as shall be considered necessary or expedient.

(11) The Minister of Mines be given the right to refuse approval in each and every application for assistance under this authority.

(12) The Dominion Fuel Board be charged with the duty of administering this Order in Council and be required to report to the Minister of Mines as to the amounts paid under this Order in Council each year during the said period.

(13) With respect to acceptances issued by the Dominion Fuel Board under authority of Order in Council P.C. 1119 of May 28, 1934, which are still in effect, shipments shall be continued under the authority of these acceptances for a period of sixty days from the date of this Order in Council.

NEW BRUNSWICK COAL TO QUEBEC AND ONTARIO

P.C. 951 (*Superseded by P.C. 1861—Aug. 4, 1936*)

The Committee of the Privy Council have had before them a report, from the Minister of Mines, submitting that the provisions of Order in Council, P.C. 1299 of 30th May, 1931, which provides assistance to the movement of coal mined in the Province of New Brunswick to points in the Provinces of Quebec and Ontario, will expire on June 30th, 1933.

The Minister recommends, in order to enable New Brunswick coal to continue to compete with foreign coals in Quebec and Ontario markets, that upon expiry of the aforesaid Order in Council:—

1. Movements of coal mined in the Province of New Brunswick and shipped to points in the Provinces of Quebec and Ontario be assisted by payments out of such sums as may be provided by Parliament from year to year for that purpose;

2. The assistance granted shall be the reduction of one-sixth of a cent per ton per mile from the existing rail freight rates provided that the amount of said reduction shall in no instance exceed one dollar and fifty cents per net ton;

3. The amount of said assistance shall be payable to the railways under the following conditions:—

(a) That the assistance shall apply only to movements of coal to points where the Canadian coal to be used is at a disadvantage in competing with foreign coal;

(b) That the assistance shall apply only to shipments of coal from coal mines or coal properties which were operating under legal permit and shipping coal prior to December 31, 1930;

(c) That the assistance shall not apply to shipments of less than minimum carload lots;

(d) That the assistance shall not be granted to those applying who refuse or fail to furnish such information as the Minister of Mines may consider necessary in the administrative duties connected with this movement; and that for the purpose of certifying such information the Minister of Mines or such officers of the Dominion Fuel Board as he may designate shall have free access to all books, records or accounts kept by shippers or the railways in connection with this movement and make such examination thereof as may be considered necessary or expedient.

4. The Minister of Mines reserves the right of refusing approval in each and every application under this authority.

5. The Dominion Fuel Board be charged with the duty of administering this Order in Council and be required to report to the Minister of Mines as to the amounts paid under the provisions thereof each year.

6. With respect to acceptances issued by the Dominion Fuel Board under the authority of Order in Council P.C. 1299 of 30th May, 1931, and whereof the tonnages designated have not been shipped, shipments may be continued under the authority of those acceptances for a period of ninety days from the 27th May, 1933.

The Committee concur in the foregoing recommendations and submit the same for approval.

P.C. 1861

The Committee of the Privy Council have had before them a report, dated July 28, 1936, from the Minister of Mines, with reference to an Order in Council P.C. 951 of May 30, 1933, which authorizes assistance to the movement of coal mined in the Province of New Brunswick and shipped to consuming points in the Provinces of Quebec and Ontario.

The Committee submit that the importance of an extension of the market for Canadian coal is appreciated and that the Government is willing to facilitate this by granting financial assistance to the Canadian coal industry under conditions described hereunder.

The Committee, therefore, on the recommendation of the Minister of Mines, advise that the said Order in Council P.C. 951 of May 30, 1933, be hereby rescinded and that:—

(1) Movements of coal mined in the Province of New Brunswick and shipped to points in the Provinces of Quebec and Ontario be assisted by payments out of such sums as may be provided by Parliament from year to year for that purpose.

(2) With respect to coal mined in the Province of New Brunswick and transhipped wholly by rail to points in the Province of Quebec, excluding points on the Quebec and Lake St. John Railway, the Murray Bay line of the Canadian National Railways and points on the railways east of Lévis and the Quebec terminals (for use by consumers other than the railways), the assistance granted shall be by a thirty per cent (30%) reduction of the freight rate in effect at the time of shipment. The amount of the said reduction being payable to the railways.

(3) With respect to coal mined in the Province of New Brunswick and transported wholly by rail to points in the Province of Ontario, for use by consumers other than the railways, the assistance granted shall be by a reduction of one-sixth of one cent per ton per mile from existing rail rates, provided that the amount of the said reduction shall in no instance exceed one dollar and fifty cents (\$1.50) per net ton.

(4) With respect to coal mined in the Province of New Brunswick and purchased by the railway companies for their own use at points in the Provinces of Quebec and Ontario, payments shall be made to the coal mine operators or coal distributors of the difference in amount per net ton between the laid-down cost to the railways of coal mined in the Province of New Brunswick and the laid-down cost at the same points of imported coal that would otherwise be used, up to a maximum of two dollars (\$2.00) per net ton, provided that:

- (a) For the purpose of this Order in Council the said difference of laid-down costs shall be determined by the Dominion Fuel Board.
- (5) The assistance shall not apply on shipments of less than carload lots.
 - (6) The assistance shall apply only on shipments of coal from coal mines or coal properties which were operating under legal permit and shipping coal prior to December 31, 1930.
 - (7) The assistance shall not be granted to those participating who refuse or fail to furnish such information as the Minister of Mines may consider necessary in the administrative duties connected with this movement; and that for the purpose of certifying such information the Minister of Mines or such officers of the Dominion Fuel Board as he may designate shall have free access to all books, records or accounts kept by shippers or the railways in connection with this movement and may make such examination thereof as may be considered necessary or expedient.
 - (8) The Minister of Mines be given the right to refuse approval in each and every application for assistance under this authority.
 - (9) The Dominion Fuel Board be charged with the duty of administering this Order in Council and be required to report to the Minister of Mines as to the amounts paid under this Order in Council each year during the said period.
 - (10) With respect to acceptances issued by the Dominion Fuel Board under authority of Order in Council P.C. 951 of May 30, 1933, which are still in effect, shipments shall be continued under the authority of these acceptances for a period of sixty days from the date of this Order in Council.

SASKATCHEWAN COAL TO MANITOBA AND WESTERN ONTARIO

P.C. 869 (*Superseded by P.C. 895—April 9, 1936*)

The Committee of the Privy Council, on the recommendation of the Minister of Mines, advise that Order in Council P.C. 1120 of May 28, 1934, which provides assistance to the movement of coal mined in the Province of Saskatchewan and shipped to points in the Provinces of Manitoba and Ontario, be rescinded and that:—

1. Movements of coal mined in the Province of Saskatchewan and shipped to points in the Province of Manitoba and to points in the Province of Ontario be assisted by payments out of such sums as may be provided by Parliament from year to year for that purpose.
2. With respect to coal mined in the Province of Saskatchewan and shipped to points in the Province of Manitoba and to points in the Province of Ontario for use by consumers other than the railways the assistance granted shall be as follows:
 - (a) To points in the Province of Manitoba the assistance granted shall be the sum of thirty-five cents per net ton, the same to be deducted from the existing rail rate and payable to the railways.
 - (b) To points in the Province of Ontario the assistance granted shall be the sum of one dollar per net ton, the same to be deducted from the existing rail rate and payable to the railways.
3. The said assistance shall be payable under the following conditions:—
 - (a) That the assistance shall apply only to movements of coal to points where the Canadian coal to be used is at a disadvantage in competing with foreign coal.
 - (b) That the assistance shall not apply to coal when used for household purposes.
 - (c) That the assistance shall not apply to shipments of less than minimum carload lots.
 - (d) That the assistance shall apply only to shipments of coal from coal mines or coal properties which were operating under legal permit and shipping coal prior to December 31, 1930.
 - (e) That the assistance shall not be granted to shippers or distributors who refuse or fail to furnish such information as the Minister of Mines may consider necessary in the administrative duties connected with this movement; and that for the purpose of certifying such information the Minister of Mines or such officers of the Dominion Fuel Board as he may designate shall have free access to all books, records or accounts kept by shippers or the railways in connection with this movement and make such examination thereof as may be considered necessary or expedient.
4. The Minister of Mines be given the right to refuse approval in each and every application for assistance under this authority and also the right to reduce the amount payable in each case where, in the opinion of the Minister, circumstances or conditions may warrant it.
5. The Dominion Fuel Board be charged with the duty of administering this Order in Council and be required to report to the Minister of Mines as to the amounts paid under the provisions thereof each year.
6. With respect to acceptances issued by the Dominion Fuel Board under authority of Order in Council P.C. 1120 of May 28, 1934, and whereof the tonnages designated have not been shipped, shipments will continue until completed under the authority of these acceptances for a period of ninety days from the date of this Order in Council when all such acceptances under Order in Council P.C. 1120 will be cancelled.

P.C. 895

The Committee of the Privy Council submit with reference to Order in Council P.C. 869 of April 5, 1935, which authorizes assistance to the movement of coal mined in the Province of Saskatchewan and shipped to consuming points in the Provinces of Manitoba and Ontario, that the Government appreciates the importance of the maintenance of the market for Canadian coal and is willing to facilitate this by granting financial assistance to the Canadian coal industry under the conditions described hereunder.

The Committee, therefore, on the recommendation of the Minister of Mines, advise that the said Order in Council P.C. 869 of April 5, 1935, be hereby rescinded and that:—

- (1) Movements of coal mined in the Province of Saskatchewan and shipped to points in the Province of Manitoba be assisted by payments out of such sums as may be provided by Parliament from year to year for that purpose.
- (2) With respect to coal mined in the Province of Saskatchewan and shipped to points in the Province of Manitoba for use by consumers other than the railways, the assistance granted shall be by a reduction of ten percent (10%) of the freight rate in effect at the time of shipment, the amount of the said reduction being payable to the railways.
- (3) The assistance shall apply only to movements of coal to points where the Canadian coal to be used is at a disadvantage in competing with foreign coal. The area in Manitoba in which Canadian coal is at a disadvantage shall be determined by the Dominion Fuel Board.
- (4) The assistance shall not apply to coal when used for household purposes.
- (5) The assistance shall apply only on shipments of coal from coal mines or coal properties which were operating under legal permit and shipping coal prior to December 31, 1930.
- (6) The assistance shall not apply on shipments of less than carload lots.

- (7) The assistance shall not be granted to those participating who refuse or fail to furnish such information as the Minister of Mines may consider necessary in the administrative duties connected with this movement; and that for the purpose of certifying such information the Minister of Mines or such officers of the Dominion Fuel Board as he may designate shall have free access to all books, records or accounts kept by shippers or the railways in connection with this movement and may make such examination thereof as may be considered necessary or expedient.
- (8) The Minister of Mines be given the right to refuse approval in each and every application for assistance under this authority.
- (9) The Dominion Fuel Board be charged with the duty of administering this Order in Council and be required to report to the Minister of Mines as to the amounts paid each year under the provisions of this Order in Council.
- (10) With respect to acceptances issued by the Dominion Fuel Board under authority of Order in Council P.C. 869 of April 5, 1935, which are still in effect, shipments shall be continued under authority of these acceptances for a period of sixty days from the date of this Order in Council.

ALBERTA COAL TO ONTARIO

P.C. 740

The Committee of the Privy Council have had before them a report, dated 18th March, 1933, from the Minister of Mines, submitting that as a result of an extensive study made in connection with the cost of moving coal from the Province of Alberta to consuming points in the Province of Ontario, information is now available from the Board of Railway Commissioners for Canada which makes it expedient for the Government to substitute the following in lieu of Order in Council P.C. 439, of the 16th March, 1928, and amendments thereto, authorizing certain test movements, which have now expired;

The Minister recommends—in view of the desirability of encouraging in so far as economically possible the development of a market in the Province of Ontario for Alberta coal and at the same time creating a uniformity of assistance, based upon reduced rates and maximum amounts authorized for similar movements of coal from other provinces to coal consuming centres—that assistance be granted on such movements of coal as hereinafter provided:—

- (1) That movements of coal mined in the Province of Alberta and shipped to certain points in the Province of Ontario be assisted by payments out of such sums as may be provided by Parliament from year to year for that purpose.
- (2) That with respect to such movements of coal referred to in the above Section (1) the assistance granted shall be by the reduction of \$2.50 per net ton from the existing rail rates when same amount to \$5.00 per net ton or in excess thereof, the amount of said reduction being payable to the railways.
- (3) That the assistance shall apply only on shipments of coal from coal mines or coal properties which were in operation and shipping prior to December 31, 1930.
- (4) That the assistance shall not apply on shipments of less than carload lots.
- (5) That the assistance shall not be granted to those participating who refuse or fail to furnish such information as the Minister of Mines may consider necessary in the administrative duties connected with this movement; and that for the purpose of certifying such information the Minister of Mines or such officers of the Dominion Fuel Board as he may designate shall have free access to all books, records or accounts kept by shippers or the railways in connection with this movement and make such examination thereof as may be considered necessary or expedient.
- (6) That the Dominion Fuel Board be charged with the duty of administering this Order in Council and be required to report to the Minister of Mines as to the amounts paid under this Order in Council each year during the said period.

The Committee concur in the foregoing recommendation and submit the same for approval.

ALBERTA AND BRITISH COLUMBIA CROW'S NEST PASS COAL TO MANITOBA AND WESTERN ONTARIO

P.C. 1121 (*Superseded by P.C. 894—April 9, 1936*)

The Committee of the Privy Council have had before them a report, dated 15th May, 1934, from the Minister of Mines with reference to an Order in Council, P.C. 952 of May 30th, 1933, which provides assistance to the movement of coal mined in the Province of Alberta and in the Crowsnest Pass District of the Province of British Columbia to points in the Province of Manitoba and to points in the Province of Ontario west of and including Sioux Lookout and Fort Frances.

The Committee, on the recommendation of the Minister of Mines, advise that the said Order in Council P.C. 952 be rescinded and that:

1. Movements of coal mined in the Province of Alberta and in the Crowsnest Pass district of British Columbia and shipped to points in the Province of Manitoba and to points in the Province of Ontario be assisted by payments out of such sums as may be provided by Parliament from year to year for that purpose;
2. With respect to coal mined in the Province of Alberta, and in the Crowsnest Pass district of British Columbia and shipped to points in the Province of Manitoba and to points in the Province of Ontario for use by consumers other than the railways and as hereinafter excepted, the assistance granted shall be as follows:
 - (a) To points in the Province of Manitoba the assistance granted shall be by the reduction of one-twelfth of one cent per ton per mile from the existing rail rates; provided that the amount of said reduction shall in no instance exceed *seventy cents per net ton*, the amount of said reduction being payable to the railways.
 - (b) To points in the Province of Ontario the assistance granted shall be by the reduction of one-fifth of one cent per ton per mile from the existing rail rates; provided that the amount of said reduction shall in no instance exceed *two dollars per net ton*, the amount of said reduction being payable to the railways.
3. With respect to coal mined in the Province of Alberta and in the Crowsnest Pass district in the Province of British Columbia and purchased by railway companies for their own use at points in the Provinces of Manitoba and Ontario east of and including Carriek, Decimal and Eagle River, the assistance granted shall be by the reduction of one-fifth of one cent per ton per mile from the existing rates provided that the amount of said reduction shall in no instance exceed *two dollars per net ton*, the amount of said reduction being payable to the railways.
4. The said assistance shall be payable under the following conditions:
 - (a) That the assistance shall apply only to movements of coal where the Canadian coal to be used is at a disadvantage in competing with foreign coal.
 - (b) That the assistance shall not apply to coal when used for household purposes.
 - (c) That the assistance shall not apply to shipments of less than minimum carload lots.
 - (d) That the assistance shall apply only to shipments of coal from coal mines or coal properties which were operating under legal permit and shipping coal prior to December 31, 1930.

- (e) That the assistance shall not be granted to shippers or distributors who refuse or fail to furnish such information as the Minister of Mines may consider necessary in the administrative duties connected with this movement; and that for the purpose of certifying such information the Minister of Mines or such officers of the Dominion Fuel Board as he may designate shall have free access to all books, records or accounts kept by shippers or the railways in connection with this movement and make such examination thereof as may be considered necessary or expedient.
5. The Minister of Mines be given the right to refuse approval in each and every application for assistance under this authority.
6. The Dominion Fuel Board be charged with the duty of administering this Order in Council and be required to report to the Minister of Mines as to the amounts paid under the provisions thereof each year.
7. With respect to acceptances issued by the Dominion Fuel Board under authority of Order in Council P.C. 952 of May 30, 1933, and whereof the tonnages designated have not been shipped, shipments may be continued under the authority of those acceptances for a period of ninety days from the date of this Order in Council.

P.C. 871 (Superseded by P.C. 894—April 9, 1936)

The Committee of the Privy Council have had before them a Report, dated 1st April, 1935, from the Minister of Mines, submitting that Section 3 of Order in Council P.C. 1121 of May 28, 1934, which provides assistance to coal mined in the Province of Alberta and in the Crownsnest Pass District of the Province of British Columbia, and shipped to points in the Provinces of Manitoba and Ontario east of and including Carrick, Decimal and Eagle River, reads as follows:

3. "With respect to coal mined in the Province of Alberta and in the Crownsnest Pass District in the Province of British Columbia and purchased by railway companies for their own use at points in the Provinces of Manitoba and Ontario east of and including Carrick (Man.), Decimal (Man.), and Eagle River (Ont.) on the Western boundary and Sioux Lookout, Ignace and Fort Frances on the Eastern boundary, the assistance granted shall be by the reduction of one-fifth of one cent per ton per mile from the existing rates provided that the amount of said reduction shall in no instance exceed two dollars per net ton, the amount of said reduction being payable to the railways."

The Committee, on the recommendation of the Minister of Mines, advise that the provisions of the said Section 3 be rescinded and the following substituted in lieu thereof:—

"With respect to coal mined in the Province of Alberta and in the Crownsnest Pass District in the Province of British Columbia and purchased by railway companies for their own use at points in the Provinces of Manitoba and Ontario between and including Carrick (Man.), Decimal (Man.), and Eagle River (Ont.) on the Western boundary and Sioux Lookout, Ignace and Fort Frances on the Eastern boundary, the assistance granted shall be by the reduction of one-fifth of one cent per ton per mile from the existing rates provided that the amount of said reduction shall in no instance exceed two dollars per net ton, the amount of said reduction being payable to the railways."

P.C. 894

The Committee of the Privy Council submit, with reference to Order in Council P.C. 1121 of 28th May, 1934, which authorizes assistance to the movement of coal mined in the Province of Alberta and in the Crownsnest Pass District of the Province of British Columbia and shipped to consuming points in the Provinces of Manitoba and Ontario, that the Government appreciates the difficulties which still confront the Canadian coal industry and desires to facilitate the maintenance of existing markets by granting financial assistance under conditions described hereunder:

The Committee, therefore, on the recommendation of the Minister of Mines, advise that the said Order in Council P.C. 1121 of 28th May, 1934, and amendments thereto, be hereby rescinded, and that:

- (1) Movements of coal mined in the Province of Alberta and in the Crownsnest Pass District of British Columbia and shipped to points in the Province of Manitoba and to points in the Province of Ontario be assisted by payments out of such sums as may be provided by Parliament from year to year for that purpose.
- (2) With respect to coal mined in the Province of Alberta, and in the Crownsnest Pass District of British Columbia, and shipped to points in the Province of Manitoba and to points in the Province of Ontario for use by consumers other than the railways which have connections with the coal fields, the assistance granted shall be as follows:—
 - (a) To points in the Province of Manitoba the assistance granted shall be by a reduction of ten percent (10%) of the freight rate in effect at the time of shipment, the amount of the said reduction being payable to the railways.
 - (b) To points in the Province of Ontario the assistance granted shall be by a reduction of thirty percent (30%) of the freight rate in effect at the time of shipment; provided that the amount of the said reduction shall in no instance exceed two dollars per net ton, the amount of the said reduction being payable to the railways.
- (3) With respect to coal mined in the Province of Alberta and in the Crownsnest Pass District in the Province of British Columbia and purchased by railway companies for their own use at points in the Provinces of Manitoba and Ontario, east of and including Carrick, Decimal and Eagle River, the assistance granted shall be by a reduction of thirty percent (30%) of the tariff freight rate in effect at the time of shipment; provided that the amount of the said reduction shall in no instance exceed two dollars per net ton, the amount of the said reduction being payable to the railways.
- (4) The assistance shall apply only to movements of coal where the Canadian coal to be used is at a disadvantage in competing with foreign coal. The area in Manitoba in which Canadian coal is at a disadvantage shall be determined by the Dominion Fuel Board.
- (5) The assistance shall not apply to coal when used for household purposes.
- (6) The assistance shall apply only to shipments of coal from coal mines or coal properties which were operating under legal permit and shipping coal prior to December 31, 1930.
- (7) The assistance shall not apply to shipments of less than carload lots.
- (8) The assistance shall not be granted to those participating who refuse or fail to furnish such information as the Minister of Mines may consider necessary in the administrative duties connected with this movement; and that for the purpose of certifying such information the Minister of Mines or such officers of the Dominion Fuel Board as he may designate shall have free access to all books, records or accounts kept by shippers or the railways in connection with this movement and may make such examination thereof as may be considered necessary or expedient.
- (9) The Minister of Mines be given the right to refuse approval in each and every application for assistance under this authority.
- (10) The Dominion Fuel Board be charged with the duty of administering this Order in Council and be required to report to the Minister of Mines as to the amounts paid each year under this Order in Council.
- (11) With respect to acceptances issued by the Dominion Fuel Board under authority of Order in Council P.C. 1121 of 28th May, 1934, which are still in effect, shipments shall be continued under authority of these acceptances for a period of sixty days from the date of this Order in Council.

BRITISH COLUMBIA COAL FOR BUNKER AND EXPORT

P.C. 1122

The Committee of the Privy Council have had before them a report, dated 18th May, 1934, from the Minister of Mines with reference to an Order in Council P.C. 954 of 30th May, 1933, which provides assistance to coal mined in the Province of British Columbia and sold as fuel for ships' stores or for export to foreign countries.

The Committee, on the recommendation of the Minister of Mines, advise that the said Order in Council P.C. 954 be rescinded and that:

- (1) With respect to coal mined in the Province of British Columbia and sold for fuel for ships' stores or for export to foreign countries, assistance shall be granted out of such sums as may be provided by Parliament from year to year for that purpose.
- (2) That with respect to coal mined in the Province of British Columbia and sold for fuel as ships' stores, the assistance granted shall be the sum of fifty cents per net ton on a tonnage up to and including 60,000 net tons in any one year; any tonnage above the said 60,000 sold for fuel as ships' stores in the same year shall be granted assistance at the rate of one dollar per net ton, the assistance being payable to the coal mine operators or distributors.
- (3) That with respect to coal mined in the Province of British Columbia and sold for export to foreign countries, as hereinafter excepted, the assistance granted shall be the sum of one dollar per net ton, payable to the coal mine operators or distributors under the conditions set forth as follows:
 - (a) That the assistance shall apply to coal for fuelling ocean going vessels but not for fuelling vessels navigating entirely in inland waters.
 - (b) That the assistance shall apply to coal exported to foreign countries but not to coal exported for consumption in the United States of America.
 - (c) That the assistance shall apply only to shipments of coal from coal mines or coal properties which were operating under legal permit and shipping coal prior to December 31, 1930.
 - (d) That the assistance shall not be granted to those applying who refuse or fail to furnish such information as the Minister of Mines may consider necessary in the administrative duties connected with this assistance, and that for the purpose of certifying such information the Minister of Mines or such officers of the Dominion Fuel Board as he may designate shall have free access to all books, records or accounts kept by coal producers or distributors in connection with this assistance and make such examination thereof as may be considered necessary or expedient.
- (4) The Minister of Mines be given the right to refuse approval in each and every application for assistance under this authority.
- (5) The Dominion Fuel Board be charged with the duty of administering this Order in Council and shall report to the Minister of Mines as to the amounts paid under the provisions thereof each year.