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

COAL STATISTICS FOR CANADA

FOR THE CALENDAR YEAR

1939

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NOTES ON STATISTICS OF PRODUCTION

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

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

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

Manufactures of—

(1) **Vegetable Products,** including—Aerated Waters, 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, Tools and Cutlery; 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—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; 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) Explosives, Ammunition and Fireworks; (i) Chemical Products, n.e.s.

(9) **Miscellaneous Products,** including—Brooms and Brushes; Electric Light and Power; Musical Instruments, etc.

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

(1) **Food,** including—Breadstuffs; Fish; Nuts; Fruits and Vegetables; Meats; Milk Products; Oils and Fats; Sugar; Infusions; Miscellaneous.

(2) **Drink and Tobacco,** including—Beverages, alcoholic; Beverages, non-alcoholic; Tobacco.

(3) **Clothing,** including—Boots and Shoes; Fur Goods; Garments and Personal Furnishings; Gloves and Mitts; Hats and Caps; Knitted Goods; Waterproofs; Miscellaneous.

(4) **Personal Utilities,** including—Jewellery and Time-Pieces; Recreational Supplies; Personal Utilities, n.e.s.

(5) **House Furnishings.**

(6) **Books and Stationery.**

(7) **Vehicles and Vessels.**

(8) **Producers' Materials,** including—Farm Materials; Manufacturers' Materials; Building Materials; General Materials.

(9) **Industrial Equipment,** including—Farming Equipment; Manufacturing Equipment; Trading Equipment; Service Equipment; Light, Heat and Power Equipment; General Equipment.

(10) **Miscellaneous.**

PREFACE

The Dominion Bureau of Statistics issues statistical information on coal and coke through three channels: (1) a monthly bulletin issued about 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 entire Canadian coal and coke industry has, since December, been subjected to Government licensing under the Wartime Prices and Trade Board. No Company or individual is permitted to operate without a licence, the order applying to manufacturers, importers, exporters, producers, jobbers, wholesalers and retailers of coal and coke. The licence system has been adopted "to keep the Government adequately informed of the situation surrounding the production, importation and distribution of coal, to assure an adequate distribution of coal and to protect the public against any undue advance in price."

The government assistance to the coal mining industry, as rendered by the Fuel Research Laboratories of the Canadian Bureau of Mines, Department of Mines and Resources, was continued during the year. Research on coal preparation, storage properties and general characteristics of coal seams was carried out with a view to the increased use of these coals in Canadian plants to displace the imported product. A study of the physical and chemical characteristics of the coals from New Brunswick was completed and in view of the unsatisfactory economic conditions of the coal mining industry in this province and the necessity for making changes in operation, preparation, and method of sales, the results of this survey are of prime importance in aiding in the solution of its problems. The physical and chemical study of Canadian coals has now been extended to Alberta and British Columbia. Research on the amenability of various Canadian coal to hydrogenation was studied throughout the year, in order that, when such a process becomes economic, information will be available as to the suitability of various Canadian coals.

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 Bureau gratefully acknowledges its indebtedness to the governments of the coal-producing provinces 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, July 8, 1941.

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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.

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

The coal import data shown in the Quarterly Trade Report include only the tonnages 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 tonnage 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.

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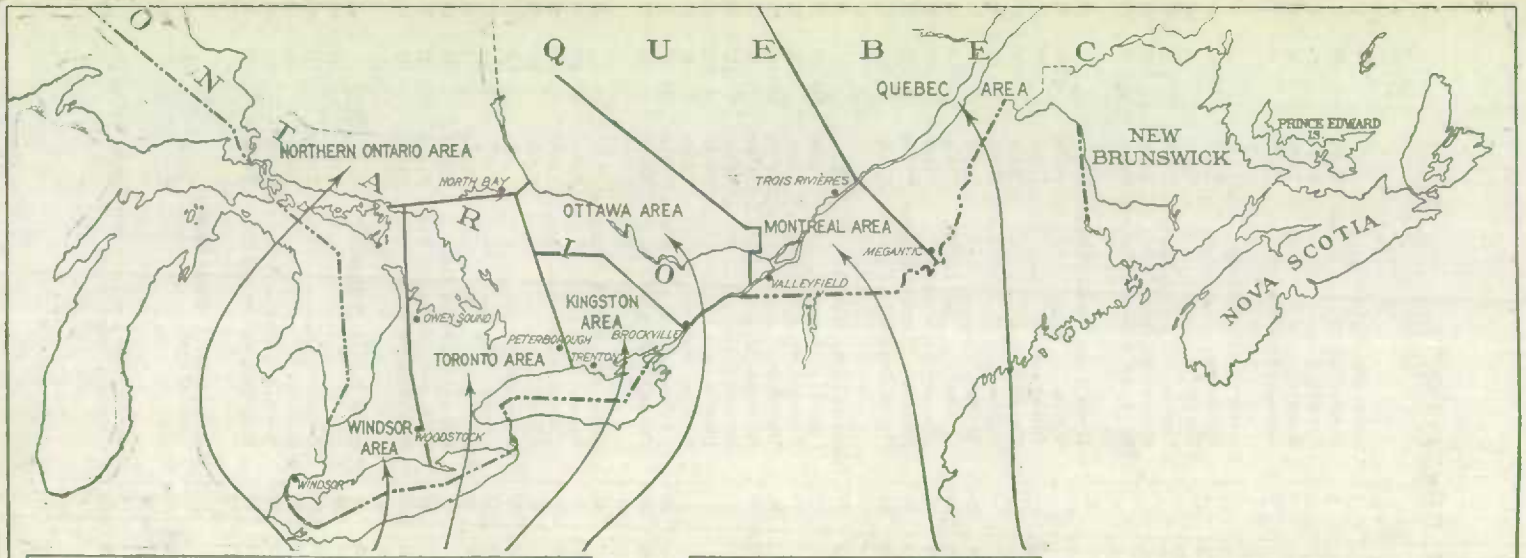

	N.ONTARIO	WINDSOR	TORONTO	KINGSTON	OTTAWA
ANTHRACITE					
GREAT BRITAIN Imported direct	—	—	94,343	870	—
Received ex-Montreal	26,255	1,422	154,128	18,126	139,704
GERMANY Imported direct	—	—	13,871	—	—
FR.INDO-CHINA Received ex-Montreal	—	—	13,503	—	—
UNITED STATES Imported direct	35,520	238,656	1,488,818	71,354	113,086
TOTAL	61,775	240,078	1,762,461	90,350	252,790
BITUMINOUS					
UNITED STATES	987,571	2,390,881	4,288,815	200,524	399,461
NOVA SCOTIA Received ex-Montreal	330,486	94,485	492,041	94,148	307,965
Received ex-mines			12,801		
NEW BRUNSWICK Received ex-mines			723		
ALBERTA Received ex-mines			186,288		
BRITISH COLUMBIA Received ex-mines			98,708		
LIGNITE					
SASKATCHEWAN			15,416		
ALBERTA			48,453		

	MONTREAL	QUEBEC
ANTHRACITE		
GREAT BRITAIN	† 428,377	† 76,644
UNITED STATES	567,085	36,169
GERMANY	236,108	35,111
FRENCH INDO-CHINA	† 30,034	—
TOTAL	1,261,604	147,924
BITUMINOUS		
GREAT BRITAIN	17,178	1,124
UNITED STATES	1,056,010	223,158
NORWAY	20	—
NOVA SCOTIA	† 2,256,276	
NEW BRUNSWICK	48,580	

† Excludes coal shipped into this area and then trans-shipped to Ontario points.

RECEIPTS OF COAL IN ONTARIO AND QUEBEC BY AREAS 1939

(Short Tons)

Scale of Miles 50 0 50 100 150 200

DOMINION BUREAU OF STATISTICS

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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 1939

CHAPTER ONE

CANADA

Canadian coal mines produced 15,692,698 tons of coal valued at $48,676,990 during 1939; in the preceding year, 14,294,718 tons worth $43,982,171 were produced while in 1937 the output totalled 15,835,954 tons at $48,752,048. Bituminous coal output during 1939 amounted to 11,769,296 tons, sub-bituminous coal to 512,101 tons and lignite coal to 3,411,301 tons.

Nova Scotia's output rose 13·1 per cent in 1939 and aggregated 7,051,176 tons. Production from New Brunswick mines was 36·9 per cent higher at 468,421 tons. Manitoba produced 1,138 tons as against 2,016 tons in 1938. Saskatchewan operators reported an output of 960,000 tons or 6·1 per cent below the previous year's total of 1,022,166 tons. Alberta's production totalled 5,519,208 tons made up of 2,556,944 tons of bituminous coal, 512,101 tons of sub-bituminous coal and 2,450,163 tons of lignite coal. In 1938, Alberta mines produced 5,251,233 tons, consisting of 2,310,479 tons of bituminous coal, 488,915 tons of sub-bituminous coal and 2,451,839 tons of lignite coal. A 17·5 per cent increase was recorded in British Columbia's output in 1939 compared with the preceding year; the totals were 1,692,755 tons and 1,440,287 tons, respectively. No coal was produced in Yukon during the year under review; in 1938, the output from this source was 361 tons.

Canadian coal exported in 1939 amounted to 376,203 tons; this represented an increase of 6·5 per cent over the tonnage exported a year ago. Ports in Prince Edward Island, Nova Scotia, New Brunswick, Quebec and Ontario cleared 226,065 tons of Canadian coal in 1939; exportations through the western ports totalled 150,138 tons. Canada re-exported foreign coal in 1939 to a total of 119,487 tons compared with 116,322 tons in 1938.

Imports of coal into Canada in 1939 were 4·5 per cent higher at 13,884,816 tons. Anthracite coal importations during the year amounted to 3,977,805 tons and consisted of 2,605,765 tons from the United States, 1,034,901 tons from Great Britain, 293,602 tons from Germany and 43,537 tons from French Indo-China. Great Britain supplied 26·0 per cent of the Canadian anthracite requirements in 1939 compared with 32·3 per cent in the preceding year and 46·5 per cent in 1934. The United States supplied 65·5 per cent of Canada's requirements of this coal during the year as against 53·1 per cent in 1938 and 51·0 per cent in 1934. Receipts of bituminous coal totalled 9,903,613 tons or 3·5 per cent above the 1938 total. Lignite coal imports amounted to 3,398 tons in 1939.

Employment was furnished by Canadian coal mines to 25,200 wage-earners, on the average; in 1938, the average number of those employed was 25,767. Mines in Nova Scotia and New Brunswick employed 14,319 wage-earners during the year while those in the western provinces employed 10,881 men. Surface workers averaged 257 days work in 1939 and underground workers 220 days. In addition to these men, there were 1,272 salaried employees on the mine pay-rolls. All employees working in or about the Canadian coal mines received salaries and wages totalling $30,720,991 in 1939 compared with a total pay-roll of $28,699,781, a year ago.

Coal made available for consumption in Canada during the year amounted to 29,201,311 tons or 7·3 per cent above the tonnage made available in 1938. These figures do not represent the quantity consumed during the year but, are the actual tonnages of new coal made available for use in 1939.

It is not coal alone that satisfies Canada's fuel requirements; in addition, coke, natural and artificial gas, fuel oil, wood and electricity are used for industrial and domestic purposes.

In 1939, Canadian producers sold 1,085,946 tons of coke (made from coal) for domestic use; 799,653 tons were used in metallurgical works operated by producing companies; 232,027 tons were used by coke plants as fuel or to make water gas; 379,365 tons were sold for other uses and 66,262 tons were added to stocks. Imports of coke into Canada rose to 435,871 tons from the 1938 total of 414,682 tons. The manufacturers of coke and gas in Canada used 1,076,978 tons of domestic coal and 2,197,230 tons of imported coal in 1939.

The production of petroleum coke during the year amounted to 66,332 tons; imports totalled 147,505 tons and exports, 7,396 tons. Domestic users consumed 32,710 tons of this coke in 1939 compared with 51,684 tons in the preceding year. On December 31, 1939 stocks of petroleum coke in the hands of fuel dealers, distributors, importers and in storage at refineries totalled 144,233 tons as against 94,089 tons at the end of 1938.

Artificial gas production in 1939 was made up of 34,655,444 thousand cubic feet from by-product ovens and 6,961,279 thousand cubic feet from gas plants. Of this quantity, 43·1 per cent or 14,936,102 thousand cubic feet was sold; most of the remainder was used in the producing plants or their associated metallurgical works. These figures do not include 39,470 thousand cubic feet of Pintsch gas used in lighting railway cars, 7,802,666 thousand cubic feet of still gas recovered and used at petroleum refineries, nor iron blast furnace gas and some producer gas, which was recovered and used by producers, for which no records are available.

Natural gas consumption in Canada during 1939 consisted of 19,900,000 thousand cubic feet for domestic use and 14,300,000 thousand cubic feet for industrial use. An apparent displacement of 796,000 tons of coal is indicated by the domestic consumption of natural gas.

Canada's supply of fuel and gas oils made available in 1939 amounted to 647·3 million imperial gallons as against 592·7 million imperial gallons, a year ago. The Canadian consumption of fuel oil in 1939 included 136·1 million gallons for domestic and building heating, 181·2 million gallons for industrial use, 204·9 million gallons for bunkering purposes, 53·8 million gallons for railways and 34·8 million gallons for tractor fuel. A possible coal displacement of 901,324 tons was indicated by the quantity of fuel oil used for domestic heating in 1939.

Table 1.—Output of Coal from Canadian Mines, 1785-1939

Year	Short tons	Value	Average per ton	Year	Short tons	Value	Average per ton
		$	$			$	$
1785-1866	2,863,826	4,905,462	1·71	1904	8,254,595	16,592,231	2·01
1867	631,320	1,056,725	1·67	1905	8,667,948	17,520,263	2·02
1868	623,392	1,073,061	1·72	1906	9,762,601	19,732,019	2·02
1869	687,825	1,155,282	1·68	1907	10,511,426	24,381,842	2·32
1870	752,635	1,243,139	1·65	1908	10,886,311	25,194,573	2·31
1871				1909	10,501,475	24,781,236	2·36
1872	3,033,152	5,073,331	1·67	1910	12,909,152	30,909,779	2·39
1873				1911	11,323,388	26,467,646	2·34
1874	1,063,742	1,763,423	1·66	1912	14,512,829	36,019,044	2·48
1875	1,039,974	1,747,016	1·68	1913	15,012,178	37,334,940	2·49
1876	994,762	1,729,546	1·74	1914	13,637,529	33,471,801	2·45
1877	1,036,670	1,794,415	1·73	1915	13,267,023	32,111,182	2·42
1878	1,089,744	1,941,285	1·78	1916	14,483,395	38,817,481	2·68
1879	1,126,497	2,050,639	1·82	1917	14,046,759	43,199,831	3·08
1880	1,482,714	2,657,194	1·79	1918	14,977,926	55,192,896	3·68
1881	1,537,106	2,688,821	1·75	1919*	13,919,096	55,622,670	3·99
1882	1,848,148	3,248,446	1·76	1920*	16,946,764	82,496,538	4·86
1883	1,818,684	3,109,635	1·71	1921*	15,057,493	72,451,656	4·81
1884	1,984,959	3,593,831	1·81	1922*	15,157,431	65,518,497	4·32
1885	1,920,977	3,417,807	1·78	1923*	16,990,571	72,058,986	4·24
1886	2,116,653	3,739,840	1·77	1924*	13,638,197	53,593,988	3·93
1887	2,429,330	4,388,206	1·81	1925*	13,134,968	49,261,951	3·75
1888	2,602,552	4,674,140	1·80	1926*	16,478,131	59,875,094	3·63
1889	2,658,303	4,894,287	1·84	1927*	17,426,861	61,867,463	3·55
1890	3,084,682	5,676,247	1·84	1928*	17,564,293	63,757,833	3·63
1891	3,577,749	7,019,425	1·96	1929*	17,496,557	63,065,170	3·60
1892	3,287,745	6,363,757	1·94	1930*	14,881,324	52,849,748	3·55
1893	3,783,499	7,359,080	1·95	1931*	12,243,211	41,207,682	3·37
1894	3,847,070	7,429,408	1·93	1932*	11,738,913	37,117,695	3·16
1895	3,478,344	6,739,153	1·94	1933*	11,903,344	35,923,062	3·02
1896	3,745,716	7,226,462	1·93	1934*	13,810,193	42,045,942	3·04
1897	3,786,107	7,303,597	1·93	1935*	13,888,006	41,963,110	3·02
1898	4,173,108	8,224,288	1·97	1936*	15,229,182	45,791,934	3·00
1899	4,925,051	10,283,497	2·09	1937*	15,835,954	48,752,048	3·08
1900	5,777,310	13,742,178	2·38	1938*	14,294,718	43,982,171	3·08
1901	6,486,325	12,699,243	1·96	1939*	15,692,698	48,676,990	3·10
1902	7,466,681	15,210,877	2·04				
1903	7,960,304	15,942,833	2·00	Total	596,805,165	1,792,773,528	3·00

*For the years 1919-1939 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, 1918-1939

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		16,946,764	82,496,538
1921	96,964	330,699	11,680,477	58,848,444			3,280,052	13,272,513	15,057,493	72,451,656
1922	40,417	122,538	11,630,488	53,348,507			3,486,526	12,047,452	15,157,431	65,518,497
1923	107	322	12,941,877	58,478,670	466,492	1,399,424	3,582,095	12,180,570	16,990,571	72,058,986
1924			9,483,739	40,682,894	590,168	1,761,086	3,564,297	11,170,008	13,638,197	53,593,988
1925			8,939,607	36,793,501	570,654	1,731,267	3,624,707	10,737,183	13,134,968	49,261,951
1926			12,393,079	48,153,572	489,736	1,458,116	3,595,316	10,263,406	16,478,131	59,875,094
1927			13,006,996	49,385,818	596,155	1,784,973	3,823,710	10,696,672	17,426,861	61,867,463
1928			12,971,744	50,584,108	740,496	2,076,212	3,852,053	11,097,513	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	1,705,236	3,453,127	9,355,451	14,881,324	52,849,748
1931			8,861,360	33,165,730	471,343	1,211,197	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			10,059,782	34,356,274	537,508	1,256,936	3,213,903	6,432,732	13,810,193	42,045,942
1935			9,748,841	33,150,781	566,425	1,410,926	3,572,740	7,401,403	13,888,006	41,963,110
1936			10,796,135	36,256,347	566,235	1,432,741	3,866,812	8,102,846	15,229,182	45,791,934
1937			11,634,379	39,661,259	506,260	1,314,196	3,695,315	7,776,593	15,835,954	48,752,048
1938			10,329,782	35,403,781	488,915	1,269,131	3,476,021	7,309,259	14,294,718	43,982,171
1939			11,769,296	40,119,905	512,101	1,323,401	3,411,301	7,233,684	15,692,698	48,676,990

*Not separately reported prior to 1923.

Table 3.—Output and Value of Coal in Canada, by Kinds and by Provinces, 1938 and 1939

(Short tons)

Province	1938			1939		
	Number of mines	Quantity	Value	Number of mines	Quantity	Value
			$			$
Nova Scotia (Bituminous)	41	6,236,417	22,523,802	40	7,051,176	25,611,271
New Brunswick (Bituminous)	22	342,238	1,133,346	34	468,421	1,566,359
Manitoba (Lignite)	2	2,016	5,660	1	1,138	3,110
Saskatchewan (Lignite)	*134	1,022,166	1,380,416	122	960,000	1,255,872
Alberta—						
Bituminous	17	2,310,479	6,506,156	18	2,556,944	7,117,168
Sub-bituminous	20	488,915	1,269,131	19	512,101	1,323,401
Lignite	239	2,451,839	5,923,183	236	2,450,163	5,974,712
Total	†276	5,251,233	13,698,470	273	5,519,208	14,415,281
British Columbia (Bituminous)	22	1,440,287	5,237,077	24	1,692,755	5,825,107
Yukon (Bituminous)	1	361	3,400	.....	.....	.....
Canada—						
Bituminous	**103**	**10,329,782**	**35,463,781**	**116**	**11,769,296**	**40,119,905**
Sub-bituminous	**20**	**488,915**	**1,269,131**	**19**	**512,101**	**1,323,401**
Lignite	**375**	**3,476,021**	**7,309,259**	**359**	**3,411,301**	**7,233,684**
Total	**498**	**14,294,718**	**43,983,171**	**494**	**15,692,698**	**48,676,990**

*Exclusive of 33 small mines in operation during part of 1938 and 35 small mines operating during part of 1939.
†Exclusive of 39 small mines operated under special permits in 1938 and 30 small mines in 1939.

Table 4.—Output of Coal from Canadian Mines, by Months, 1935-1939

(Short tons)

Month	1935	1936	1937	1938	1939
January	1,520,325	1,391,288	1,499,326	1,470,964	1,206,312
February	1,018,092	1,492,431	1,286,374	1,409,036	1,306,555
March	1,038,668	1,028,417	1,110,599	1,222,621	1,187,069
April	892,896	937,740	989,653	873,193	923,044
May	926,493	999,754	1,078,603	1,020,609	1,146,747
June	930,093	1,038,224	1,073,670	934,750	1,117,013
July	981,080	1,064,843	1,145,334	825,940	1,109,759
August	987,846	1,056,032	1,241,948	1,012,901	1,285,424
September	1,118,198	1,448,051	1,421,383	1,117,269	1,385,438
October	1,558,683	1,808,166	1,712,369	1,503,608	1,798,634
November	1,622,322	1,467,155	1,669,747	1,552,841	1,740,879
December	1,293,310	1,497,081	1,606,948	1,350,986	1,485,826
Total	**13,888,006**	**15,229,182**	**15,835,954**	**14,294,718**	**15,692,698**

Table 5.—Output and Value of Coal in Canada, by Kinds and by Months, 1939

Month	Bituminous		Sub-Bituminous		Lignite		Total	
	Short tons	Value	Short tons	Value	Short tons	Value	Short tons	Value
		$		$		$		$
January	737,822	2,474,320	51,360	132,858	417,130	853,695	1,206,312	3,460,873
February	790,542	2,649,891	50,163	135,731	465,850	977,278	1,306,555	3,762,900
March	870,687	2,914,386	45,976	114,398	270,406	536,710	1,187,069	3,565,494
April	786,522	2,633,989	33,335	76,796	103,187	180,037	923,044	2,890,822
May	1,042,459	3,555,987	36,666	88,663	67,622	105,078	1,146,747	3,749,728
June	1,020,567	3,510,551	16,707	41,110	79,744	128,285	1,117,018	3,679,946
July	1,025,562	3,553,841	9,241	26,193	74,949	124,622	1,109,752	3,704,656
August	1,108,598	3,807,778	31,347	79,258	145,479	293,275	1,285,424	4,180,311
September	905,022	3,409,236	53,014	142,498	337,402	756,289	1,385,438	4,308,023
October	1,158,928	3,881,742	71,538	189,893	568,168	1,338,372	1,798,634	5,410,007
November	1,149,603	3,869,742	59,660	160,184	531,616	1,209,665	1,740,879	5,239,591
December	1,082,984	3,858,442	53,094	135,819	349,748	730,378	1,485,826	4,724,639
Total	**11,769,296**	**40,119,905**	**512,101**	**1,323,401**	**3,411,301**	**7,233,684**	**15,692,698**	**48,676,990**

Table 6.—Tonnage Lost in the Coal Mines of Canada, in 1938 and 1939 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				
				Absenteeism	Lack of orders	Car shortage	Mine disability	Other causes
Nova Scotia	1938	63	37	1·5	33·5	.....	1·0	1·0
	1939	73	27	1·9	22·9	0·1	0·8	1·3
New Brunswick	1938	67	33	2·2	28·2	0·1	1·4	1·1
	1939	82	18	2·2	13·2	.....	1·2	1·4
Manitoba	1938	90	10	.....	10·0	.....	.....	.....
	1939	88	12	.....	12·0	.....	.....	.....
Saskatchewan	1938	73	27	.....	26·8	.....	0·1	0·1
	1939	85	15	0·2	14·3	.....	0·2	0·3
Alberta	1938	67	33	0·6	31·7	.....	0·4	0·3
	1939	71	29	0·5	28·2	.....	0·2	0·1
British Columbia	1938	74	26	0·1	25·5	.....	0·3	0·1
	1939	79	21	0·3	19·9	0·2	0·1	0·5
Canada	1938	**66**	**34**	**1·0**	**31·6**	.....	**0·7**	**0·7**
	1939	**74**	**26**	**1·1**	**23·8**	.....	**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 1939

Month	Per cent produced	Per cent lost	Percentage lost through				
			Absenteeism	Lack of orders	Car shortage	Mine disability	Other causes
January	63	37	0·7	34·7	.....	0·4	1·2
February	69	31	1·0	29·4	0·1	.....	0·5
March	62	38	0·8	36·0	.....	0·3	0·9
April	64	36	0·9	34·4	.....	0·2	0·5
May	77	23	1·0	21·4	.....	0·2	0·4
June	74	26	0·9	24·1	.....	0·3	0·7
July	76	24	1·5	21·0	0·3	0·5	0·7
August	76	24	1·4	21·3	.....	0·4	0·9
September	77	23	1·8	19·8	.....	0·8	0·6
October	88	12	1·6	9·0	.....	0·9	0·5
November	84	16	1·1	14·0	.....	0·4	0·5
December	74	26	1·2	23·6	.....	0·5	0·7
Total	**74**	**26**	**1·1**	**23·8**	.....	**0·4**	**0·7**

Table 8.—Disposition of Coal from Canadian Mines, 1938 and 1939

—	1938			1939						
	Total coal	Total value	Average value per ton	Run-of-mine	Cobble and 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	187,113	535,110	2·86	133,947	44,057	6,661	889	185,554	549,446	2·96
Used for power purposes—										
(a) Shops	47,250	181,787	3·85	446	778	31,850	11,190	44,264	172,081	3·89
(b) Colliery boilers	506,219	1,302,236	2·57	111,907	3,726	75,456	315,726	506,815	1,338,664	2·64
(c) Companies' railroads	47,798	162,491	3·40	26,127	12,866	13,523	1,059	53,575	188,834	3·52
(d) Harbour tugs and dredges	1,434	4,330	3·02	1,338			32	1,370	4,081	3·42
Shipped. (See Table 10)—										
(a) Ships' bunkers	397,480			307,773	161,167	89,364	2,489	560,793		
(b) Railroads	3,217,113	41,598,731	3·17	2,746,769	661,435	74,295	116,764	3,599,263	45,717,239	3·21
(c) Other	9,521,515			1,036,471	3,435,218	1,518,993	4,102,121	10,092,803		
Used in making coke at colliery	190,112	482,531	2·54				190,806	190,806	458,420	2·40
Used in making briquettes	37,241	119,674	3·21				43,875	43,875	136,593	3·11
Put on bank	1,460,773	4,832,931	3·31	66,796	656,982	33,005	842,523	1,599,306	5,242,653	3·28
Put on waste heap	265,055							356,319		
Total disposition	**15,879,103**	**49,219,821**	**3·10**	**4,431,574**	**4,976,229**	**1,843,147**	**5,627,474**	**17,234,743**	**53,808,611**	**3·12**
Lifted from bank	1,578,096	5,237,650	3·32	67,555	631,756	36,446	801,639	1,537,396	5,131,621	3·34
Lifted from waste heap	6,289							4,649		
Total output	**14,294,718**	**43,982,171**	**3·08**	**4,364,019**	**4,344,473**	**1,806,701**	**4,825,835**	**15,692,698**	**48,676,990**	**3·10**

Table 9.—Disposition of Coal from Canadian Mines, by Provinces, 1939

(Short tons)

—	Nova Scotia	New Brunswick	Manitoba	Saskatchewan	Alberta	British Columbia	Canada
Supplied to employees for domestic consumption	123,162	5,356	18	2,082	37,248	17,688	**185,554**
Coal shipped. (See Table 10)	6,363,809	462,128	954	904,160	5,132,810	1,388,998	**14,252,859**
Used under colliery boilers, etc.	282,286	2,467	146	14,561	145,336	62,019	**506,815**
Used by companies' railroads	33,328	1,212		8,043	6,282	4,710	**53,575**
Used for manufacture of coke at colliery					103,191	87,615	**190,806**
Used in making briquettes					43,875		**43,875**
Used in shops, etc	44,264						**44,264**
Used by harbour tugs and dredges	1,370						**1,370**
Put on bank	1,430,438	12,781		23,611	51,453	81,023	**1,599,306**
Put on waste heap	132,683	1,032	20	25,869	50,523	146,192	**356,319**
Total disposition	**8,411,340**	**484,976**	**1,138**	**978,326**	**5,570,718**	**1,788,245**	**17,234,743**
Lifted from bank	1,360,111	16,555		17,870	47,767	95,093	**1,537,396**
Lifted from waste heap	53			456	3,743	397	**4,649**
Total output	**7,051,176**	**468,421**	**1,138**	**960,000**	**5,519,208**	**1,692,755**	**15,692,698**

Table 10.—Shipments of Coal from Canadian Mines, by Grades and Destinations, 1938 and 1939

(Short tons)

Destination	1938					1939				
	Run-of-mine	Cobble and Lump	Nut and other grades	Slack	Total	Run-of-mine	Cobble and Lump	Nut and other grades	Slack	Total
Prince Edward Island	7,854	43,110	4,019	13,651	68,634	6,670	49,543	4,102	16,689	77,004
Nova Scotia	151,072	347,777	30,803	800,803	1,330,455	145,753	386,788	34,508	843,387	1,410,436
New Brunswick	148,860	114,312	23,622	282,038	568,832	184,902	136,564	26,595	333,966	682,027
Quebec	60,379	965,392	118,288	1,606,375	2,750,434	160,830	1,167,604	140,262	1,681,563	3,150,259
Ontario	1,703	47,431	25,810	54,578	129,522	9,601	56,189	29,324	41,464	136,578
Manitoba	32,095	299,941	291,630	303,787	927,453	36,109	270,316	285,495	334,392	926,312
Saskatchewan	188,288	676,655	412,682	228,547	1,506,172	182,042	665,308	407,764	233,501	1,488,615
Alberta	274,351	427,505	287,003	254,970	1,243,829	246,964	399,340	301,114	266,941	1,214,359
British Columbia	35,523	219,255	274,177	205,223	734,178	31,603	198,988	259,922	250,570	741,143
Yukon	107	254	.....	.....	361	.....	.....	.....	.....	.....
Northwest Territories	.....	128	.....	.....	128	.....	.....	.....	.....	.....
Total domestic shipments	900,232	3,141,760	1,468,034	3,749,972	9,259,998	1,004,534	3,330,640	1,489,086	4,002,473	9,826,733
Railroads—										
In Canada	2,485,207	539,461	101,285	74,093	3,200,046	2,735,462	629,757	74,295	116,764	3,556,278
In United States	11,507	.....	.....	.....	11,507	11,307	.....	.....	.....	11,307
In Newfoundland	.....	5,560	.....	.....	5,560	.....	31,678	.....	.....	31,678
Ships' bunkers	240,154	102,521	52,141	2,664	397,480	307,773	161,167	89,364	2,489	560,793
Total railroads and ships' bunkers	2,736,868	647,542	153,426	76,757	3,614,593	3,054,542	822,602	163,659	119,253	4,160,056
United States	5,381	20,831	35,999	71,314	133,525	2,630	19,875	29,121	99,648	151,274
Alaska	.....	12,391	452	.....	12,843	.....	9,251	338	.....	9,589
Newfoundland	28,198	81,626	115	.....	109,939	29,126	72,219	448	.....	101,793
Other countries (St. Pierre)	1,602	3,608	.....	.....	5,210	181	2,244	.....	.....	2,425
Lost at sea	.....	.....	.....	.....	.....	.....	989	.....	.....	989
Total external shipments	35,181	118,456	36,566	71,314	261,517	31,937	104,578	29,907	99,648	266,070
Total	**3,672,281**	**3,907,758**	**1,658,026**	**3,898,043**	**13,136,108**	**4,091,013**	**4,257,820**	**1,682,652**	**4,221,374**	**14,252,859**

Table 11.—Exports of Canadian Coal, 1873-1939

(Compiled in the *External Trade Branch*)

Calendar year	Short tons	Value	Calendar year	Short tons	Value	Calendar year	Short tons	Value
		$			$			$
1873	420,683	.....	1896	1,106,661	.....	1919	2,070,650	12,438,885
1874	310,988	.....	1897	986,130	.....	1920	2,558,174	18,014,899
1875	250,348	.....	1898	1,150,029	.....	1921	1,987,251	13,896,370
1876	248,638	.....	1899	1,293,169	.....	1922	1,818,582	11,159,060
1877	301,317	.....	1900	1,787,777	.....	1923	1,654,406	10,661,399
1878	327,959	.....	1901	1,573,661	.....	1924	773,246	4,836,848
1879	306,648	.....	1902	2,090,268	.....	1925	785,910	4,329,173
1880	432,188	.....	1903	1,954,629	.....	1926	1,028,200	5,739,436
1881	395,382	.....	1904	1,557,412	.....	1927	1,113,330	5,890,259
1882	412,682	.....	1905	1,635,287	.....	1928	863,941	4,469,999
1883	486,811	.....	1906	1,835,041	.....	1929	842,972	4,375,328
1884	474,405	.....	1907	1,894,074	.....	1930	624,512	3,345,998
1885	427,937	.....	1908	1,729,833	.....	1931	359,853	1,909,922
1886	520,703	.....	1909	1,588,099	.....	1932	285,487	1,433,036
1887	580,965	.....	1910	2,377,049	.....	1933	259,233	1,188,226
1888	588,627	.....	1911	1,500,639	.....	1934	306,335	1,400,978
1889	665,315	.....	1912	2,127,133	.....	1935	418,391	1,906,647
1890	724,486	.....	1913	1,562,020	3,951,351	1936	411,574	1,792,584
1891	971,259	.....	1914	1,423,126	3,780,175	1937	355,268	1,441,879
1892	823,733	.....	1915	1,706,543	5,406,058	1938	353,181	1,540,990
1893	960,312	.....	1916	2,135,359	7,099,387	1939	370,203	1,666,934
1894	1,103,694	.....	1917	1,733,156	7,387,192			
1895	1,011,235	.....	1918	1,817,195	9,405,423	**Total**	**70,616,704**	-

Table 12.—Exports of Canadian Coal from Eastern and Western Canada, 1935-1939

(Short tons)

—	1935	1936	1937	1938	1939
Eastern Canada	294,906	277,129	204,411	207,644	226,065
Western Canada	123,485	134,445	150,857	145,537	150,138
Total	**418,391**	**411,574**	**355,268**	**353,181**	**376,203**

Table 13.—Exports of Canadian Coal, by Destinations, 1938 and 1939

(Compiled in the *External Trade Branch*)

Destination	1938		1939	
	Short tons	Value	Short tons	Value
		$		$
Newfoundland	122,364	604,726	103,216	515,464
China	502	1,757	.....	.....
St. Pierre and Miquelon	4,840	23,739	1,727	9,866
United States	221,512	881,631	263,963	1,097,033
Alaska	3,963	29,137	7,297	44,571
Total	353,181	1,540,990	376,203	1,666,934

IMPORTS

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

Table 14.—Size Classification of Anthracites Imported into Canada (*)

Authority and Date		Royal Commission on Anthracite, Feb. 1937. Page 71. Also South Wales Coal Annual, 1932.			Scotch Anthracite Coal Company, Montreal. May 19, 1939.			American Soc. for Testing Materials: Standards on Coal and Coke. Designation D-310-34. P. 51. Sept. 1934.		
Customs Compilation Statistical Code No.	Tariff Item	Welsh			Scotch			United States		
		Exporter's Designation	Size—Inches		Exporter's Designation	Size—Inches		Exporter's Designation	Size—Inches	
			Through	Over		Through	Over		Through (Round Holes)	Over (Round Holes)
7062	586	Large		6″	Large		4½″	Broken	4¾″	3¾″
		Machine made Cobbles	4″	2¾″	Cobbles	4½″	3″	Furnace Egg	3¼″	2 7/16″
		Screened Cobbles	3″	1¾	Trebles	3″	2″	Stove	2 7/16″	1¾″
		French Nuts	2¾″	1½″	Doubles	2″	1½″	Chestnut	1¾″	13/16″
		Stove Nuts	1½″	¾″	Singles	1½″	¾″ or ½″			
7063	586	Pea Nuts	1½″	¾″				Pea	13/16″	9/16″
		Beans	1¼″	¾″				No. 1 Buckwheat	9/16″	5/16″
		Peas	¾″	½″	Beans	¾″ or ⅝″	½″	No. 2 " (Rice)	5/16″	3/16″
7061	588	Grains	½″	½″				No. 3 " (Barley	3/16″	3/32″
		Rubbly Culm (See Note 1)	1½″							
		Duff	½″		Duff	½″ or ¼″				

—		Importers Invoices—1938 and correspondence with J. M. Honig, Dated Dec. 23, 1932.			Report on Coal Industry of French Indo-China. C. L. O'Brian.			Report by J. A. Langley (Canadian Government Trade Commissioner) of July 28, 1937, and Report of Chief Inspector of Mines (Netherlands), 1938.		
Customs Compilation Statistical Code No.	Tariff Item	Germany			Indo-China			Netherlands		
		Exporter's Designation	Size—mm.		Exporter's Designation	Size—mm.		Exporter's Designation	Size—mm.	
			Through	Over		Through	Over		Through	Over
7062	586	Cobbles	120	80	Large Screened (Lump)	120	80	Lump		120
								Nuts 0	120	80
		Nut 1	80	50	Screened (Crible)	80	50	Nuts I	80	50
		Nut 2	50	25	Nut (Braisette)	50	30	Nuts II	50	30
		Nut 3 (Note 2)	30	20	Nut (Noisette)	30	18	Nuts III	30	20
7063	586	Nut 4 (Note 3)	20	10	Nut (Noisette)	18	10	Nuts IV	20	8
		Perl	14	6						
		Nut 5 (Grom)	10	6				Nuts V	8	6
7061	588	Fine	6		Ordinary Dust	30				
					Fine Dust	10		Duff	5	

Table 14.—Size Classification of Anthracites Imported into Canada (•)—Con.

—		Correspondence with Canadian Import Co. Ltd., Nov. 19, 1938.			Colliery Guardian, May 1, 1936.			Report by Yves Lamontagne (Can. Government Trade Commissioner), July 10, 1937.		
Customs Compilation Statistical Code No.	Tariff Item	Morocco			Russia			Belgium		
		Exporter's Designation	Size—mm.		Exporter's Designation	Size—mm.		Exporter's Designation	Size—mm.	
			Through	Over		Through	Over		Through	Over
7062	586	Cobbles	120	80	Large best selected		125	Cribles		120
					Cobbles A. 3	125	87	Gailletins	120	80
					Cobbles A. 2	87	62			
					Cobbles A. 2′	90	50			
		Nuts I	80	50				Gailleteries	80	50
					Stove A. 1	62	22			
					French Nuts A. 1	50	25	Gailleteries	50	30
					Stove Nuts A. 1′	40	20	Braisettes	35	22
		Nuts III	30	22	Stove Nuts A.M.O.	30	15			
7063	586	Nuts IV	22	12						
					Beans A.M.	25	12	Braisettes	22	10
								Braisettes	22	5
		Nuts IV B	12	8	Peas A.S.	15	6	Braisettes	20	5
								Grains laves	10	5
		Nuts V	8	5						
7061	588	Dust	8		Rubbly Culm R.K.	25		Grains laves	10	1
								Grains laves	5	1
					Breaker Duff A.S.T.	6				
					Billy Duff A.S.T.	6				

	Equivalents in Inches of Millimeter Sizes					
	Millimetres	Inches	Millimeters	Inches	Millimeters	Inches
Note 1. *Rubbly Culm* is the nutty small passing through the longitudinal bars spaced 1¼" used in making "screened cobbles". This product is usually sold for steam raising purposes.	125	4-15/16	40	1-37/64	14	35/64
	120	4-47/64	35	1-3/8	12	15/32
	90	3-35/64	30	1-3/16	10	25/64
Note 2. *Nut 3* is sometimes sized 25 mm. x 15 mm. and would then be classed in Code 7063.	87	3-27/64	25	63/64	8	5/16
	80	3-5/32	22	7/8	6	15/64
	62	2-7/16	20	25/32	5	13/64
Note 3. *Nut 4* is sometimes sized 20 mm. x 8 mm. or 15 mm. x 8 mm.	50	1-31/32	15	19/32	1	3/64

•From a statement supplied by the Dominion Fuel Board.

Table 15.—Imports of Coal into Canada "Entered for Consumption" 1925-1939

(Compiled in the *External Trade Branch*)

Year	Anthracite		Bituminous		Lignite		Total	
	Short tons	Value	Short tons	Value	Short tons	Value	Short tons	Value
		$		$		$		$
1925	3,782,557	32,096,509	12,548,460	26,974,340	18,653	87,832	16,349,670	59,158,681
1926	4,192,419	34,202,166	12,376,606	25,511,932	10,423	45,567	16,579,448	59,759,665
1927	4,107,854	34,282,371	†14,568,671	30,457,884	10,829	44,254	18,687,354	64,784,509
1928	3,748,816	27,680,018	†13,445,945	26,608,427	10,780	44,247	17,205,541	54,332,692
1929	4,019,917	28,809,792	†14,170,138	27,140,968	14,108	62,508	18,204,163	56,013,268
1930	4,256,090	30,098,910	†14,497,955	26,522,765	18,676	72,691	18,772,721	56,694,366
1931	3,162,317	21,067,025	†9,952,280	15,732,710	6,410	29,603	13,121,007	36,829,338
1932	3,148,902	19,312,710	† 8,807,131	12,011,398	3,004	13,701	11,959,037	31,337,809
1933	3,015,571	17,610,091	† 8,185,759	10,501,924	2,707	10,176	11,204,037	28,122,191
1934	3,500,563	18,414,060	† 9,471,605	16,641,659	2,791	9,661	12,974,959	35,065,380
1935	3,442,835	17,445,102	† 8,630,686	15,867,107	5,246	19,040	12,078,767	33,331,249
1936	3,418,556	17,897,635	† 9,700,002	17,039,408	4,873	18,347	13,123,431	34,955,390
1937	3,488,278	17,317,449	†11,180,827	20,835,587	1,494	5,582	14,670,599	38,158,618
1938	3,475,801	18,079,657	† 9,533,729	17,734,567	2,961	11,690	13,012,491	35,825,914
1939	4,288,461	21,938,333	†10,706,786	19,628,410	3,398	11,942	14,998,645	41,578,685

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

Table 16.—Imports of Coal into Canada by Countries, by Grades and by Provinces, 1938 and 1939.

(Short tons)

Destination	1938					1939				
	Anthracite			Bituminous	Lignite	Anthracite			Bituminous	Lignite
	Grate, egg, stove, nut, doubles, cobbles and trebles	Screenings or dust	Peas, beans and smaller sizes n.o.p.			Grate, egg, stove, nut doubles, cobbles and trebles	Screenings or dust	Peas, beans and smaller sizes n.o.p.		
FROM GREAT BRITAIN										
Prince Edward Is.				6,589					4,523	
Nova Scotia	46,271		7,006	24,249		33,091		12,755	29,223	
New Brunswick	50,841		2,256	20,251		48,642		1,620	14,987	
Quebec	617,305	56,648	338,172	14,811		502,474	2,573	338,533	18,302	
Central Ontario	35,963		43,157			37,162		58,051		
Head of Lakes	1,512									
Manitoba									448	
Saskatchewan										
Alberta										
British Columbia				57						
Canada	**751,892**	**56,648**	**390,591**	**65,957**		**621,369**	**2,573**	**410,959**	**67,483**	
FROM UNITED STATES										
Prince Edward Is.	1,777			137		4,753			96	
Nova Scotia	9,441		123	30		21,099			2,855	
New Brunswick	15,902		461	8,001		24,380		1,167	13,957	
Quebec	298,643	5,238	66,854	594,712		435,996	9,228	151,399	1,105,590	
Central Ontario	1,382,728	679	172,164	7,981,712		1,711,996	6,901	215,361	8,035,174	
Head of Lakes	14,607			868,923		14,245	144	4,367	660,191	
Manitoba	324		4,350	9,061	88	297		4,399	14,587	14
Saskatchewan		39		783	245				862	863
Alberta				1,116	11		33		990	6
British Columbia	280			2,201	2,617				1,785	2,441
Yukon				26					23	22
Canada	**1,723,702**	**5,956**	**243,952**	**9,466,702**	**2,961**	**2,212,766**	**16,306**	**376,693**	**9,836,110**	**3,346**
FROM OTHER COUNTRIES—										
Prince Edward Island—										
Germany	3,189					1,562				
Nova Scotia—										
Germany	12,034		181			3,950		165		
Netherlands	1,345									
Quebec—										
Germany	345,677		23,268	34,258		157,551		116,703		
Norway									20	
Netherlands	19,503		1,682							
French Indo-China			27,856			14,896		28,641		
Belgium	9,018									
Russia	14,952									
Morocco	17,993	1,652								
Central Ontario—										
Germany	22,682					5,815		7,856		
Netherlands	11,424		3,640							
Belgium			25,164							
British Columbia—										
Japan				417						
Yukon										
Alaska										52
Canada	**457,817**	**1,652**	**81,791**	**34,675**		**183,774**		**153,365**	**20**	**52**

Table 17.—Imports of Coal into Eastern and Western Canada, 1938 and 1939

(Short tons)

Destination	Anthracite				Bituminous	Lignite	Total all grades
	Grate, egg, stove, nut, doubles, cobbles and trebles	Screenings or Dust	Peas, beans and smaller sizes, n.o.p.	Total anthracite			
1938							
EASTERN CANADA—							
United States	1,708,491	5,917	239,602	1,954,010	8,584,592	.....	10,538,602
Great Britain	750,380	56,648	390,591	1,197,619	65,900	.....	1,263,519
Germany	383,582	.....	23,449	407,031	34,258	.....	441,289
Belgium	9,018	.....	25,164	34,182	.....	.....	34,182
Netherlands	32,272	.....	5,322	37,594	.....	.....	37,594
French Indo-China	.....	.....	27,856	27,856	.....	.....	27,856
Russia	14,952	.....	.....	14,952	.....	.....	14,952
Morocco	17,993	1,652	.....	19,645	.....	.....	19,645
Total	2,916,688	64,217	711,984	3,692,889	8,684,750	.....	12,377,639
WESTERN CANADA*—							
United States	15,211	39	4,350	19,600	882,110	2,961	904,671
Great Britain	1,512	.....	.....	1,512	57	.....	1,569
Japan	.....	.....	.....	.....	417	.....	417
Total	16,723	39	4,350	21,112	882,584	2,961	906,657
Canada—							
United States	**1,723,702**	**5,956**	**243,952**	**1,973,610**	**9,466,702**	**2,961**	**11,443,273**
Great Britain	**751,892**	**56,648**	**390,591**	**1,199,131**	**65,957**	.....	**1,265,088**
Germany	**383,582**	.....	**23,449**	**407,031**	**34,258**	.....	**441,289**
Belgium	**9,018**	.....	**25,164**	**34,182**	.....	.....	**34,182**
Netherlands	**32,272**	.....	**5,322**	**37,594**	.....	.....	**37,594**
French Indo-China	.....	.....	**27,856**	**27,856**	.....	.....	**27,856**
Russia	**14,952**	.....	.....	**14,952**	.....	.....	**14,952**
Morocco	**17,993**	**1,652**	.....	**19,645**	.....	.....	**19,645**
Japan	.....	.....	.....	.....	**417**	.....	**417**
Total	**2,933,411**	**64,256**	**716,334**	**3,714,001**	**9,567,334**	**2,961**	**13,284,296**
1939							
EASTERN CANADA—							
United States	2,198,224	16,129	367,927	2,582,280	9,157,672	.....	11,739,952
Great Britain	621,369	2,573	410,959	1,034,901	67,035	.....	1,101,936
Germany	168,878	.....	124,724	293,602	.....	.....	293,602
French Indo-China	14,896	.....	28,641	43,537	.....	.....	43,537
Norway	.....	.....	.....	.....	20	.....	20
Total	3,003,367	18,702	932,251	3,954,320	9,224,727	.....	13,179,047
WESTERN CANADA*—							
United States	14,542	177	8,766	23,485	678,438	3,346	705,269
Great Britain	.....	.....	.....	.....	448	.....	448
Alaska	.....	.....	.....	.....	.....	52	52
Total	14,542	177	8,766	23,485	678,886	3,398	705,769
Canada—							
United States	**2,212,766**	**16,306**	**376,693**	**2,605,765**	**9,836,110**	**3,346**	**12,445,221**
Great Britain	**621,369**	**2,573**	**410,959**	**1,034,901**	**67,483**	.....	**1,102,384**
Germany	**168,878**	.....	**124,724**	**293,602**	.....	.....	**293,602**
French Indo-China	**14,896**	.....	**28,641**	**43,537**	.....	.....	**43,537**
Norway	.....	.....	.....	.....	**20**	.....	**20**
Alaska	.....	.....	.....	.....	.....	**52**	**52**
Total	**3,017,909**	**18,879**	**941,017**	**3,977,805**	**9,903,613**	**3,398**	**13,884,816**

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

NOTE.—The import data shown in Tables 16 to 30 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 Anthracite, Bituminous and Lignite Coal into Canada, by Months, 1938 and 1939

(Short tons)

Month	1938				1939			
	United States	Great Britain	Other countries	Total	United States	Great Britain	Other countries	Total
ANTHRACITE—								
January	179,952	7,527	5,721	193,200	176,325	18,609	755	195,689
February	161,173	11,438	.....	172,611	175,549	15,594	.....	191,143
March	164,100	21,171	4,149	189,420	201,455	10,432	2,240	214,127
April	110,502	35,316	.....	145,818	122,317	167	.....	122,484
May	181,754	166,802	63,418	411,974	321,608	231,785	28,199	581,592
June	267,821	144,464	48,654	460,939	264,591	129,084	68,564	462,239
July	161,541	157,094	98,814	417,449	184,416	192,774	77,795	454,985
August	118,584	142,369	72,491	333,444	144,173	134,191	64,476	342,840
September	143,456	184,299	83,169	410,924	301,917	76,161	61,728	499,806
October	177,352	126,414	72,654	376,420	351,133	94,836	29,906	475,875
November	152,740	163,855	76,494	393,089	186,421	97,493	.....	283,914
December	154,635	38,382	15,696	208,713	115,860	33,775	3,476	153,111
Total	**1,973,610**	**1,199,131**	**541,260**	**3,714,001**	**2,605,765**	**1,034,901**	**337,139**	**3,977,805**
BITUMINOUS—								
January	312,676	5,668	417	318,761	263,353	8,107	20	271,480
February	246,660	6,920	.....	253,580	228,973	9,954	.....	238,927
March	282,771	6,855	.....	289,626	314,934	9,063	.....	323,997
April	375,618	5,327	.....	380,945	138,710	3,256	.....	141,966
May	902,502	7,239	.....	909,741	202,956	8,492	.....	211,448
June	1,129,182	2,889	8,114	1,140,185	907,309	2,103	.....	909,412
July	1,031,336	8,312	8,112	1,047,760	1,128,733	7,150	.....	1,135,883
August	1,099,905	12,318	2,022	1,114,245	1,276,820	8,556	.....	1,285,376
September	1,121,110	2,310	8,115	1,131,535	1,242,334	2,148	.....	1,244,482
October	1,057,618	3,375	.....	1,060,993	1,470,592	2,796	.....	1,473,388
November	1,269,546	3,920	7,895	1,281,361	1,660,198	2,730	.....	1,662,928
December	637,778	824	.....	638,602	1,001,198	3,128	.....	1,004,326
Total	**9,466,702**	**65,957**	**34,675**	**9,567,334**	**9,836,110**	**67,483**	**20**	**9,903,613**
LIGNITE—								
January	425	.....	.....	425	310	.....	.....	310
February	206	.....	.....	206	736	.....	.....	736
March	255	.....	.....	255	154	.....	.....	154
April	82	.....	.....	82	70	.....	.....	70
May	12	.....	.....	12	172	.....	.....	172
June	61	.....	.....	61	.....	.....	.....	.....
July	112	.....	.....	112	105	.....	.....	105
August	13	.....	.....	13	80	.....	.....	80
September	76	.....	.....	76	155	.....	25	180
October	355	.....	.....	355	343	.....	27	370
November	427	.....	.....	427	789	.....	.....	789
December	937	.....	.....	937	432	.....	.....	432
Total	**2,961**	.....	.....	**2,961**	**3,346**	.....	**52**	**3,398**

Table 19.—Average Imports of Coal into Quebec and Ontario, by Areas, for the Five Years, 1935-1939

(Short tons)

Area	Total anthracite	Total bituminous	Total all grades
Quebec	166,863	136,358	303,221
Montreal	1,669,930	750,101	2,420,031
Ottawa	97,374	611,249	708,623
Kingston	56,342	117,777	174,119
Toronto	1,273,509	4,368,885	5,642,394
Windsor	193,088	2,449,832	2,642,920
Northern Ontario	16,207	942,182	958,389
Western Ontario	16,379	822,284	838,663
Total	**3,489,692**	**10,198,668**	**13,688,360**

Table 20.—Average Imports of Coal into Canada, by Kinds and by Provinces, for the Five Years, 1935-1939

(Short tons)

Destination	Total anthracite	Total bituminous	Lignite	Total all grades
Prince Edward Island	5,982	5,650	.....	11,632
Nova Scotia	67,441	39,245	.....	106,686
New Brunswick	79,947	31,946	.....	111,893
Quebec	1,842,088	887,381	.....	2,729,469
Ontario	1,647,604	9,311,281	.....	10,958,885
Manitoba	5,349	12,038	158	17,545
Saskatchewan	42	838	287	1,167
Alberta	14	1,148	23	1,185
British Columbia	619	2,820	3,111	6,550
Yukon	.....	39	15	54
Canada	**3,649,086**	**10,292,386**	**3,594**	**13,945,066**

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 1939, the coal consumption per person in Canada was 2·597 tons.

Many reasons have been advanced for the decline 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 tables show the consumption of coal and other fuels in Canada. Table 21 records the tonnages of coal made available for use, by months, during 1938 and 1939. Tables 22 and 23, inclusive, show the apparent consumption of coal by provinces during the calendar years 1938-1939. Table 24 gives the trend of coal consumption during the period 1902-1939. Table 25 records corresponding data for coke utilization together with an indication of the possible coal displacement through the use of imported coke. Table 26 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 compared with 13,000 B.T.U. for bituminous coal.

Table 21.—Coal Made Available for Consumption in Canada, 1938 and 1939

(Short tons)

Month	1938				1939			
	Output	Imports	Exports	Coal made available for use	Output	Imports	Exports	Coal made available for use
January	1,470,964	512,386	44,193	1,939,157	1,206,312	467,479	40,036	1,633,755
February	1,409,036	426,397	32,667	1,802,766	1,306,555	430,806	29,272	1,708,089
March	1,222,621	479,301	28,012	1,673,910	1,187,069	538,278	31,328	1,694,019
April	873,193	526,845	12,538	1,387,500	923,044	264,520	14,945	1,172,619
May	1,020,609	1,321,727	22,092	2,320,244	1,146,747	793,212	30,276	1,909,683
June	934,750	1,601,185	26,086	2,509,849	1,117,018	1,371,651	30,817	2,457,852
July	825,940	1,465,321	20,022	2,271,239	1,109,752	1,590,973	18,627	2,682,098
August	1,012,901	1,447,702	34,522	2,426,081	1,285,424	1,628,296	25,042	2,888,678
September	1,117,269	1,542,535	30,012	2,629,792	1,385,438	1,744,468	42,883	3,087,023
October	1,503,608	1,437,768	25,826	2,916,550	1,798,634	1,949,633	42,053	3,706,214
November	1,552,841	1,674,877	48,471	3,179,247	1,740,879	1,947,631	29,524	3,658,986
December	1,350,986	848,252	28,740	2,170,498	1,485,826	1,157,869	41,400	2,602,295
Total	**14,294,718**	**13,284,296**	**353,181**	**27,225,833**	**15,692,698**	**13,884,816**	**376,203**	**29,201,311**

Table 22.—Summary Statistics for 1938—Output, Exports, Interprovincial Shipments, Imports* and Coal made Available for Consumption in Canada, by Provinces

(Short tons)

Province	Canadian coal				Imported from U.S.A.	Imported from Great Britain	Imported from Germany	Imported from Belgium	Imported from French Indo-China	Imported from other countries	Coal available for consumption
	Output	Received from other prov.	Shipped to other prov.	Exported							
PRINCE EDWARD ISLAND—											
Anthracite	.....	.....	.....	.....	1,777	.....	3,189	.....	.....	.....	4,966
Bituminous	.....	77,992	.....	10	137	6,589	.....	.....	.....	.....	84,708
Total	.....	77,992	.....	10	1,914	6,589	3,189	.....	.....	.....	89,674
NOVA SCOTIA—											
Anthracite	.....	.....	.....	.....	9,564	53,277	12,215	.....	.....	1,345	76,401
Bituminous	6,236,417	126	3,703,138	127,197	30	24,249	.....	.....	.....	.....	2,430,487
Total	6,236,417	126	3,703,138	127,197	9,594	77,526	12,215	.....	.....	1,345	2,506,888
NEW BRUNSWICK—											
Anthracite	.....	.....	.....	.....	16,363	53,097	.....	.....	.....	.....	69,460
Bituminous	342,238	534,549	31,538	79,665	8,001	20,251	.....	.....	.....	.....	793,836
Total	342,238	534,549	31,538	79,665	24,364	73,348	.....	.....	.....	.....	863,296
QUEBEC—											
Anthracite	.....	.....	.....	.....	370,735	1,012,125	368,945	9,018	27,856	55,782	1,844,461
Bituminous	.....	3,087,791	†737,030	770	594,712	14,811	34,258	.....	.....	.....	2,993,772
Sub-bituminous	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total	.....	3,087,791	†737,030	770	965,447	1,026,936	403,203	9,018	27,856	55,782	4,838,233
CENTRAL ONTARIO—											
Anthracite	.....	.....	.....	.....	1,555,571	79,120	22,682	25,164	.....	15,064	1,697,601
Bituminous	.....	781,778	.....	2	7,981,712	.....	.....	.....	.....	.....	8,763,488
Sub-bituminous	.....	17,789	.....	.....	.....	.....	.....	.....	.....	.....	17,789
Lignite	.....	35,737	.....	.....	.....	.....	.....	.....	.....	.....	35,737
Total	.....	835,304	.....	2	9,537,283	79,120	22,682	25,164	.....	15,064	10,514,615
MANITOBA AND HEAD OF LAKES—											
Anthracite	.....	.....	.....	.....	19,281	1,512	.....	.....	.....	.....	20,793
Bituminous	.....	230,172	.....	439	877,984	.....	.....	.....	.....	.....	1,107,717
Sub-bituminous	.....	69,255	.....	.....	.....	.....	.....	.....	.....	.....	69,255
Lignite	2,016	657,497	.....	297	88	.....	.....	.....	.....	.....	659,304
Total	2,016	956,924	.....	736	897,353	1,512	.....	.....	.....	.....	1,857,069
SASKATCHEWAN—											
Anthracite	.....	.....	.....	.....	39	.....	.....	.....	.....	.....	39
Bituminous	.....	64,564	.....	350	783	.....	.....	.....	.....	.....	64,997
Sub-bituminous	.....	17,294	.....	.....	.....	.....	.....	.....	.....	.....	17,294
Lignite	1,022,166	938,095	473,237	3,353	245	.....	.....	.....	.....	.....	1,483,916
Total	1,022,166	1,019,953	473,237	3,703	1,067	.....	.....	.....	.....	.....	1,566,246
ALBERTA—											
Anthracite	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Bituminous	2,310,479	7,048	374,585	486	1,116	.....	.....	.....	.....	.....	1,943,572
Sub-bituminous	488,915	.....	141,106	.....	.....	.....	.....	.....	.....	.....	347,809
Lignite	2,451,839	.....	1,223,395	2,020	11	.....	.....	.....	.....	.....	1,226,435
Total	5,251,233	7,048	1,739,086	2,506	1,127	.....	.....	.....	.....	.....	3,517,816
BRITISH COLUMBIA—											
Anthracite	.....	.....	.....	.....	280	.....	.....	.....	.....	.....	280
Bituminous	1,440,287	136,490	74,219	134,812	2,201	57	.....	.....	.....	417	1,370,421
Sub-bituminous	.....	36,640	.....	.....	.....	.....	.....	.....	.....	.....	36,640
Lignite	.....	65,303	.....	3,780	2,617	.....	.....	.....	.....	.....	64,140
Total	1,440,287	238,433	74,219	138,592	5,098	57	.....	.....	.....	417	1,471,481
YUKON—											
Bituminous	361	.....	.....	.....	26	.....	.....	.....	.....	.....	387
Total	361	.....	.....	.....	26	.....	.....	.....	.....	.....	387
NORTHWEST TERRITORIES—											
Sub-bituminous	.....	128	.....	.....	.....	.....	.....	.....	.....	.....	128
Total	.....	128	.....	.....	.....	.....	.....	.....	.....	.....	128
Canada—											
Anthracite	.....	.....	.....	.....	**1,973,610**	**1,199,131**	**407,031**	**34,182**	**27,856**	**72,191**	**3,714,001**
Bituminous	**10,329,782**	**4,183,480**	**4,183,480**	**343,731**	**9,466,702**	**65,957**	**34,258**	.....	.....	**417**	**19,553,385**
Sub-bituminous	**488,915**	**141,106**	**141,106**	.....	.....	.....	.....	.....	.....	.....	**488,915**
Lignite	**3,476,021**	**1,696,632**	**1,696,632**	**9,450**	**2,961**	.....	.....	.....	.....	.....	**3,469,532**
Total	**14,294,718**	**6,021,218**	**6,021,218**	**353,181**	**11,443,273**	**1,265,088**	**441,289**	**34,182**	**27,856**	**72,608**	**27,225,833**

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

†Nova Scotia coal shipped to Quebec and then transhipped to Ontario.

Table 23—Summary Statistics for 1939—Output, Exports, Interprovincial Shipments, Imports* and Coal made Available for Consumption in Canada, by Provinces

(Short tons)

Province	Canadian coal				Imported from U.S.A.	Imported from Great Britain	Imported from Germany	Imported from Norway	Imported from French Indo-China	Imported from Alaska	Coal available for consumption
	Output	Received from other prov.	Shipped to other prov.	Exported							
Prince Edward Island—											
Anthracite					4,753		1,562				6,315
Bituminous		89,941			96	4,523					94,560
Total		89,941			4,849	4,523	1,562				100,875
Nova Scotia—											
Anthracite					21,099	45,846	4,115				71,060
Bituminous	7,051,176	98	4,179,121	104,938	2,855	29,223					2,799,293
Total	7,051,176	98	4,179,121	104,938	23,954	75,069	4,115				2,870,353
New Brunswick—											
Anthracite					25,547	50,262					75,809
Bituminous	468,421	579,619	50,748	110,581	13,957	14,987					915,655
Total	468,421	579,619	50,748	110,581	39,504	65,249					991,464
Quebec—											
Anthracite					596,623	843,580	274,254		43,537		1,757,994
Bituminous		3,546,617	†1,289,444	10,404	1,105,590	18,302		20			3,379,681
Sub-bituminous											
Total		3,546,617	1,280,444	10,404	1,702,213	861,882	274,254	20	43,537		5,137,675
Central Ontario—											
Anthracite					1,934,258	95,213	13,671				2,043,142
Bituminous		1,294,038		142	8,035,174						9,329,070
Sub-bituminous											
Lignite											
Total		1,294,038		142	9,969,432	95,213	13,671				11,372,212
Manitoba and Head of Lakes—											
Anthracite					23,452						23,452
Bituminous		269,885		479	674,778	448					944,632
Sub-bituminous		90,501									90,501
Lignite	1,138	687,956		208	14						688,900
Total	1,138	1,048,342		687	698,244	448					1,747,485
Saskatchewan—											
Anthracite											
Bituminous		58,313		423	862						58,752
Sub-bituminous		27,279									27,279
Lignite	960,000	968,132	468,467	2,744	863						1,457,784
Total	960,000	1,053,724	468,467	3,167	1,725						1,543,815
Alberta—											
Anthracite					33						33
Bituminous	2,556,944	8,202	382,514	1,791	990						2,181,831
Sub-bituminous	512,101		154,521								357,580
Lignite	2,450,163		1,246,800	1,659	6						1,201,710
Total	5,519,208	8,202	1,783,835	3,450	1,029						3,741,154
British Columbia—											
Anthracite											
Bituminous	1,692,755	143,893	97,779	139,446	1,785						1,601,208
Sub-bituminous		36,741									36,741
Lignite		59,179		3,388	2,441						58,232
Total	1,692,755	239,813	97,779	142,834	4,226						1,696,181
Yukon—											
Bituminous					23						23
Lignite					22					52	74
Total					45					52	97
Northwest Territories—											
Sub-bituminous											
Total											
Canada—											
Anthracite					2,605,765	1,034,901	293,602		43,537		3,977,805
Bituminous	11,769,296	4,710,162	4,710,162	368,294	9,836,110	67,483		20			21,304,705
Sub-bituminous	512,101	154,521	154,521								512,101
Lignite	3,411,301	1,715,267	1,715,267	7,999	3,346					52	3,406,700
Total	15,692,698	6,579,950	6,579,950	376,293	12,445,221	1,102,384	293,602	20	43,537	52	29,201,311

*Direct imports into each provinces. See text for interprovincial shipments of imported coal.
†Nova Scotia coal shipped to Quebec and then transhipped to Ontario.

Table 24.—Annual Consumption of Coal in Canada, 1902-1939

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	4,734,559	46·9	10,110,972	1·840
1903	6,005,735	47·3	6,520,931	184,593	6,678,450	52·7	12,684,185	2·245
1904	6,697,183	47·9	7,238,869	85,687	7,297,482	52·1	13,994,665	2·402
1905	7,032,661	49·4	7,233,738	68,500	7,215,446	50·6	14,248,107	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	10,438,123	49·8	20,970,226	3·001
1911	9,822,749	40·5	14,510,129	48,903	14,424,949	59·5	24,247,698	3·364
1912	12,385,696	46·0	14,557,124	38,668	14,549,104	54·0	26,934,800	3·645
1913	13,450,158	42·6	18,145,769	37,825	18,132,387	57·4	31,582,545	4·138
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	21,674,826	3,761	21,611,101	62·2	34,771,832	4·268
1919	11,611,168	40·3	17,292,913	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	12,962,189	49·8	26,006,541	2·916
1923	15,070,962	41·8	20,417,239	572,570	20,967,971	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	15,086,296	47·7	16,204,405	287,299	16,565,555	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	16,487,807	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	11,654,492	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	14,508,652	53·3	10,801,643	1,498,656	12,719,515	46·7	27,228,167	2·469
1937	15,172,729	51·5	12,574,574	1,211,052	14,268,585	48·5	29,441,314	2·648
1938	13,800,094	52·5	10,754,747	1,257,887	12,493,707	47·5	26,293,801	2·346
1939	14,902,915	50·7	12,838,347	1,099,419	14,479,668	49·3	29,382,583	2·597

*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 25.—Coke made Available for Consumption in Canada, with the Coal Equivalent of the Imported Coke, 1902-1939

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	266,140	62,568	705,615	409,446	·075
1903	561,318	258,703	32,608	787,413	398,004	·069
1904	554,083	239,310	102,463	690,930	368,169	·063
1905	700,488	470,486	116,071	1,054,903	723,824	·119
1906	782,055	501,942	37,003	1,246,994	772,218	·122
1907	842,003	624,649	70,617	1,396,035	960,997	·147
1908	858,257	426,971	58,708	1,226,520	656,878	·096
1909	862,011	661,425	74,067	1,449,369	1,017,576	·146
1910	902,715	737,088	57,971	1,581,832	1,133,980	·160
1911	935,651	751,389	9,852	1,677,188	1,155,982	·160
1912	1,411,229	628,174	57,744	1,981,659	966,420	·132
1913	1,530,499	723,906	68,235	2,186,170	1,113,700	·147
1914	1,023,860	553,046	67,838	1,509,068	850,839	·110
1915	1,170,473	637,857	35,869	1,772,461	981,317	·126
1916	1,469,741	757,116	48,539	2,178,318	1,164,793	·144
1917	1,245,862	970,106	23,595	2,192,373	1,492,469	·182
1918	1,250,744	1,165,590	29,612	2,386,722	1,793,213	·215
1919	1,675,032	383,374	14,709	2,043,697	589,805	·069
1920	1,708,203	586,406	39,536	2,255,073	902,162	·104
1921	1,463,999	228,030	20,907	1,671,122	350,815	·039
1922	1,232,646	336,270	19,831	1,549,085	517,338	·058
1923	1,668,298	733,604	34,407	2,367,495	1,128,620	·125
1924	1,436,912	521,725	23,144	1,935,493	802,653	·087
1925	1,546,739	852,427	25,578	2,373,588	1,311,405	·141
1926	2,027,058	988,034	41,699	2,973,393	1,520,051	·161
1927	2,026,438	772,235	74,109	2,724,564	1,188,053	·123
1928	2,314,127	1,060,029	25,058	3,349,098	1,630,812	·168
1929	2,677,581	1,226,853	25,208	3,879,226	1,887,464	·193
1930	2,385,994	1,061,040	29,801	3,417,233	1,632,368	·164
1931	1,832,700	733,274	20,905	2,545,069	1,128,113	·109
1932	1,637,701	651,802	15,469	2,274,034	1,002,771	·095
1933	1,772,164	644,075	5,199	2,411,040	990,884	·093
1934	2,243,420	930,221	7,396	3,166,245	1,431,108	·132
1935	2,257,604	532,926	20,649	2,769,881	819,885	·075
1936	2,404,793	612,858	18,215	2,999,436	942,858	·085
1937	2,570,385	417,733	36,959	2,951,159	642,666	·058
1938	2,352,003	414,682	30,537	2,736,148	637,972	·056
1939	2,401,095	435,871	48,114	2,797,852	670,570	·059

* Prior to 1925 exports of petroleum coke were included.
†The estimated quantity of coal carbonized to produce this coke.

Table 26.—Canada's Coal Supply and the Coal Equivalent of Other Mineral Fuels and Water Power Used

(Thousands of short tons)

—	Coal					Coke from coal	Natural Gas (b)	Fuel and Gas Oils (c)	Gasoline Sales (d)	Kerosene (e)	Water Power	
		Bituminous		Lignite								
	Anthracite Imported*	Canadian†	Imported*‡	Canadian†	Imported*	Imported *(a)					Equivalent	Pounds of coal per kilowatt hour (f)
1927	4,108	12,188	14,059	3,757	11	772	855	2,314	2,104	360	12,908	1·84
1928	3,749	12,709	12,756	3,799	11	1,060	903	2,667	2,797	367	13,821	1·76
1929	4,020	12,485	13,090	3,902	14	1,227	1,135	3,205	3,475	328	14,620	1·69
1930	4,256	10,649	14,137	3,404	19	1,061	1,175	3,189	3,366	295	14,219	1·62
1931	3,162	8,822	9,660	2,861	6	668	1,035	2,996	3,219	291	12,461	1·55
1932	3,149	7,806	8,503	3,407	3	611	937	2,837	2,896	341	11,667	1·50
1933	3,016	8,128	7,791	3,328	3	589	926	3,012	2,803	265	12,670	1·47
1934	3,501	10,051	9,148	3,185	3	810	926	3,176	3,091	267	15,289	1·47
1935	3,443	9,783	8,288	3,523	5	633	996	3,228	3,316	194	16,801	1·46
1936	3,419	10,683	9,296	3,826	5	642	1,125	3,259	3,608	195	18,210	1·46
1937	3,488	11,515	10,779	3,658	1	472	1,288	3,734	4,154	167	18,479	1·43
1938	3,476	10,366	12,494	3,434	3	392	1,338	3,925	4,408	172	18,240	1·42
1939	4,288	11,548	10,189	3,355	3	512	1,407	4,287	4,669	223	19,364	1·39

*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) Tonnage imported into Canada "Entered for consumption". Based on 1 ton=13,000 B.T.U
(b) Based on 1 ton of coal=25 M cu. ft. of natural gas.
(c) Based on 1 ton of coal=151 imperial gallons of fuel and gas oils
(d) Based on 1 ton of coal=173 imperial gallons of gasoline.
(e) Based on 1 ton of coal=160 imperial gallons of kerosene.
(f) Based on the United States average as reported by the Edison Electric Institute.

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 27.—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 28.—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*
1930	77,579,074,012	4,846,629	16,007
1931	66,880,820,445	4,104,008	16,294
1932	58,927,616,843	3,641,030	16,184
1933	54,352,628,483	3,394,803	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
1937	73,058,629,707	4,285,395	17,048
1938	70,138,703,573	4,010,725	17,488
1939	79,391,714,136	4,371,179	18,163

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

Table 29.—Annual Consumption of Coal by Railroad Locomotives in Canada, 1930-1939

(Compiled in the *Transportation Branch*)

Year	Anthracite		Bituminous		Total	
	Short tons	Value	Short tons	Value	Short tons	Value
		$		$		$
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	25,589,597	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
1937	1,503	10,604	6,766,955	29,350,076	6,768,458	29,360,680
1938	1,641	12,077	6,366,101	27,940,556	6,367,742	27,952,633
1939	917	5,358	6,866,202	28,950,410	6,867,119	28,956,768

Table 30.—Average Price per Short Ton of Canadian Coal at the Mines, by Grades, for each District and Province, 1939

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	4·50	2·99	4·96	3·72	3·65	3·25	4·66	4·23	3·75	3·40	3·59	2·24
Cumberland	3·88	3·08	4·58	3·78	5·64	4·62	6·04	4·64	.....	.....	2·85	2·21
Inverness	3·87	3·25	5·25	4·55	.....	.....	.....	.....	.....	.....	2·00	2·00
Pictou	4·76	4·04	5·61	4·55	.....	.....	6·00	5·25	.....	.....	3·40	2·94
Average	4·22	3·31	4·96	4·00	4·98	4·16	5·34	4·58	3·75	3·40	3·16	2·43
NEW BRUNSWICK	3·13	2·91	3·92	3·59	4·03	3·99	3·46	3·21	.....	.....	2·92	2·51
MANITOBA	.....	.....	3·00	2·80	.....	.....	2·00	2·00	.....	.....	1·80	1·80
SASKATCHEWAN	1·95	1·89	1·81	1·59	1·51	1·29	1·47	1·21	1·50	1·30	1·10	0·92
ALBERTA—												
Bituminous—												
Cascade	4·50	3·60	6·32	5·12	5·50	4·50	4·50	3·75	3·75	3·25	3·25	2·50
Crowsnest	3·01	2·62	4·00	3·66	.....	.....	2·96	2·67	.....	.....	2·08	1·42
Highwood	2·50	2·50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mountain Park	3·16	2·73	4·50	3·40	.....	.....	3·07	3·00	.....	.....	2·51	2·05
Nordegg	3·50	2·90	.....	.....	.....	.....	3·25	3·00	.....	.....	.....	.....
Average bituminous	3·14	2·72	4·51	3·93	5·50	4·50	3·23	2·91	3·50	3·25	2·27	1·65
Sub-bituminous—												
Coalspur	2·83	2·82	3·95	3·52	4·12	3·96	2·27	1·75	1·81	1·44	1·34	·122
Morley	2·75	1·95	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pekisko	2·87	2·25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pincher	.....	.....	3·50	3·50	.....	.....	.....	.....	2·00	2·00	.....	.....
Prairie Creek	3·00	2·90	4·25	3·65	.....	.....	4·25	4·00	.....	.....	1·30	1·25
Saunders	4·25	3·98	5·40	4·37	.....	.....	3·62	2·65	.....	.....	2·15	1·82
Average sub-bituminous	3·11	2·75	4·25	3·72	4·12	3·96	2·86	2·26	1·85	1·55	1·56	1·40
Lignite—												
Ardley	2·10	2·02	3·60	3·00	3·35	2·75	2·25	2·00	2·25	1·75	2·00	1·00
Big Valley	2·12	2·12	2·50	2·37	.....	.....	.....	.....	.....	.....	.....	.....
Brooks	.....	.....	2·75	2·75	2·00	2·00	.....	.....	.....	.....	1·00	1·00
Camrose	1·83	1·71	2·67	2·10	2·00	1·50	1·87	1·62	.....	.....	0·88	0·57
Carbon	2·48	2·04	3·06	2·30	2·67	1·56	1·17	1·08	1·25	1·90	0·72	0·49
Castor	1·89	1·81	1·80	1·75	.....	.....	1·00	1·00	.....	.....	.....	.....
Champion	3·50	3·00	2·83	2·75	.....	.....	1·25	1·12	.....	.....	.....	.....
Drumheller	2·75	2·41	4·12	3·13	3·18	2·74	2·38	1·62	1·59	1·32	0·95	0·58
Edmonton	2·55	2·20	3·15	2·63	2·52	1·97	1·80	1·39	1·60	1·32	0·80	0·61
Gleichen	3·00	2·78	3·00	2·60	.....	.....	1·75	1·75	.....	.....	.....	.....
Halcourt	4·12	4·12	4·41	4·41	.....	.....	2·00	2·00	.....	.....	.....	.....
Lethbridge	2·85	2·61	3·19	2·75	2·75	2·58	2·02	1·60	1·87	1·50	0·73	0·37
Magrath	.....	.....	3·50	2·90	.....	.....	.....	.....	.....	.....	.....	.....
Milk River	1·50	1·00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pakan	2·58	2·57	.....	.....	.....	.....	.....	.....	.....	.....	1·00	0·98
Pakowki	2·62	2·62	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pembina	1·95	1·70	3·12	2·37	2·87	2·00	2·25	1·87	2·00	1·87	1·00	0·91
Redcliff	2·25	2·00	2·87	2·57	.....	.....	.....	.....	.....	.....	0·87	0·47
Rochester	2·75	1·62	2·75	2·50	.....	.....	1·50	1·50	.....	.....	0·50	0·50
Sexsmith	2·75	2·75	3·25	3·25	1·50	1·50	.....	.....	.....	.....	0·50	0·50
Sheerness	2·04	1·67	2·37	1·75	.....	.....	1·25	1·25	.....	.....	0·47	0·47
Taber	2·31	2·31	2·68	2·43	.....	.....	.....	.....	.....	.....	.....	.....
Tofield	2·00	1·35	2·16	2·00	.....	.....	1·45	1·45	.....	.....	0·65	0·65
Wetaskiwin	2·25	2·16	2·75	2·66	2·25	2·25	1·70	1·57	.....	.....	0·41	0·41
Whitecourt	2·37	2·25	.....	.....	.....	.....	.....	.....	.....	.....	0·75	0·50
Area not designated	.....	.....	2·87	2·62	.....	.....	2·00	1·75	.....	.....	0·50	0·25
Average lignite	2·32	2·09	3·18	2·68	2·67	2·18	1·91	1·50	1·69	1·40	0·82	0·58
Average for Alberta	2·47	2·21	3·39	2·88	2·87	2·39	2·21	1·76	1·87	1·58	1·10	0·81
BRITISH COLUMBIA—												
Crow's Nest Pass	3·75	2·85	5·00	4·50	.....	.....	3·75	2·80	.....	.....	3·50	2·25
Inland	4·12	4·12	4·90	4·50	4·21	4·21	4·00	3·93	2·91	2·43	2·25	1·25
Island	4·17	4·17	6·26	5·46	6·03	5·72	5·00	4·58	4·14	3·54	3·17	2·25
Average	4·08	3·93	5·54	4·94	5·12	4·96	4·52	4·19	3·73	3·17	2·95	1·96
Canada	2·50	2·28	3·45	2·96	3·08	2·66	2·39	1·99	2·35	2·00	1·52	1·16

Table 31.—Average value of Coal f.o.b. Mines, together with Labour, Fuel and Electricity Costs per ton Raised, by Provinces and by Districts, in 1938 and 1939

—	1938			1939		
	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	3·578	2·261	·304	3·595	2·156	·272
Cumberland	3·736	2·428	·454	3·771	2·358	·397
Inverness	3·062	2·580	·329	3·095	2·517	·371
Pictou	3·854	2·768	·452	3·850	2·665	·409
Total Nova Scotia	3·612	2·343	·338	3·632	2·236	·301
NEW BRUNSWICK—(Bituminous)	3·312	2·397	·097	3·344	2·315	·096
MANITOBA—(Lignite)	2·808	2·076	·169	2·733	1·901	·299
SASKATCHEWAN—(Lignite)	1·350	0·712	·085	1·308	·642	·089
ALBERTA—						
Bituminous—						
Cascade	3·504	2·227	·388	3·461	2·121	·396
Crowsnest	2·685	1·740	·146	2·669	1·706	·140
Mountain Park	2·834	1·944	·153	2·801	1·784	·147
Nordegg	3·082	2·013	·180	2·876	1·865	·187
Total Bituminous	2·816	1·855	·168	2·783	1·772	·165
Sub-bituminous—						
Coalspur	2·388	1·656	·086	2·359	1·459	·085
Morley	2·754	2·459	.....	2·364	1·869	.....
Pekisko	2·318	1·270	·063	2·377	1·193	·088
Pincher	2·404	1·557	.....	2·300	1·419	.....
Prairie Creek	2·951	2·388	·213	2·049	2·228	·220
Saunders	3·662	3·229	·200	3·680	3·254	·288
Total Sub-bituminous	2·596	1·917	·124	2·584	1·755	·128
Lignite—						
Ardley	2·415	1·344	·040	2·463	1·533	·056
Big Valley	2·238	1·327	·210	2·320	1·396	·148
Brooks	2·671	1·801	·114	2·754	1·428	·093
Camrose	1·955	1·344	·028	1·924	1·395	·030
Carbon	2·100	1·330	·051	2·150	1·385	·063
Castor	1·686	0·927	·027	1·793	·994	·033
Champion	2·601	1·440	·067	2·651	1·680	·056
Drumheller	2·655	1·668	·072	2·629	1·687	·071
Edmonton	1·856	1·268	·058	1·979	1·371	·062
Gleichen	2·450	1·632	·025	2·558	1·499	·025
Halcourt	3·934	2·528	·015	3·899	2·271	·005
Lethbridge	3·000	1·900	·097	2·994	2·071	·104
Magrath	2·849	2·303	·120	3·019	2·406	·107
Milk River	2·595	1·290	·116	1·770	·802	·030
Pakan	2·275	1·484	.....	2·322	1·980	.....
Pakowki	2·546	1·889	.....	2·574	1·776	.....
Pembina	1·577	1·044	·038	1·538	·986	·036
Redcliff	1·968	1·108	·047	1·964	1·060	·048
Rochestor	2·114	2·043	·132	2·125	1·643	·087
Sexsmith	2·038	1·250	.....	2·011	1·316	·705
Sheerness	1·402	0·668	·031	1·455	·594	·047
Steveville	.....	.....	.....	.....	.....	.....
Taber	2·437	1·423	·013	2·408	1·416	·029
Tofield	1·491	1·040	·120	1·484	·859	·074
Wetaskiwin	1·865	0·875	.....	1·910	1·419	.....
Whitecourt	2·316	1·580	.....	2·279	1·380	.....
Area not designated	1·854	1·720	·013	1·786	1·239	·009
Total Lignite	2·416	1·539	·069	2·438	1·592	·069
Total Alberta	2·609	1·713	·118	2·612	1·691	·119
BRITISH COLUMBIA—(Bituminous)						
Crow's Nest Pass	2·812	1·850	·139	2·616	1·568	·125
Inland	3·050	2·301	·245	2·852	2·242	·240
Island	4·343	2·895	·245	4·227	2·897	·211
Total British Columbia	3·636	2·456	·210	3·441	2·314	·183
YUKON—(Bituminous)	9·418	1·911	.....	.....	.....	.....
Canada	**3·077**	**2·008**	**·220**	3,102	1·958	·205

Table 32.—Employees, Salaries and Wages in the Coal Mines of Canada, by Provinces, 1939

Province	Average number of employees					Salaries and wages		
	Salaried employees		Wage-earners		Total	Salaries	Wages	Total
	Male	Female	Surface	Underground				
						$	$	$
Nova Scotia	448	56	2,081	10,954	13,539	925,248	14,844,569	15,769,817
New Brunswick	35	7	284	1,000	1,326	78,875	1,005,509	1,084,384
Manitoba	.....	.....	1	3	4	.....	2,232	2,232
Saskatchewan	54	5	211	456	726	83,153	533,625	616,778
Alberta	496	28	1,892	5,492	7,908	1,081,126	8,249,426	9,330,552
British Columbia	132	11	870	1,956	2,969	368,070	3,549,158	3,917,228
Canada	**1,165**	**107**	**5,339**	**19,861**	**26,472**	**2,536,472**	**28,184,519**	**30,720,991**

Table 33.—Employment and Earnings in the Coal Mines of Canada, 1935-1939

—	1935	1936	1937	1938	1939
Average number of wage-earners—					
Surface	5,368	5,511	5,560	5,507	5,339
Underground	19,463	20,086	20,330	20,260	19,861
Total	**24,831**	**25,597**	**25,890**	**25,767**	**25,200**
Days' work done—					
Surface	1,312,667	1,374,980	1,441,102	1,301,913	1,371,687
Underground	4,069,853	4,381,935	4,654,218	4,047,580	4,367,008
Total	**5,382,520**	**5,756,915**	**6,095,320**	**5,349,493**	**5,738,695**
Average number of days worked per man per year—					
Surface	244	249	259	236	257
Underground	209	218	229	200	220
By all wage-earners	**216**	**225**	**235**	**208**	**228**
Total wages paid	**$ 24,028,618**	**$ 26,331,682**	**$ 29,006,361**	**$ 25,977,215**	**$ 28,184,519**

Table 34.—Wage-earners Employed in the Coal Mines of Canada, by Months and by Provinces, 1935-1939

Month and year	Nova Scotia	New Brunswick	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon	Canada
January 1935	12,699	1,230	28	1,152	9,661	2,980	.....	27,750
1936	12,805	1,238	28	1,115	9,352	2,648	.....	27,186
1937	12,977	1,275	23	1,110	9,836	2,892	.....	28,113
1938	13,880	1,027	12	1,110	9,192	3,101	.....	28,322
1939	13,145	1,282	11	1,128	9,043	2,876	.....	27,485
February 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
1937	12,915	1,292	24	1,025	9,490	2,851	.....	27,597
1938	13,687	1,151	12	1,049	8,916	3,055	.....	27,870
1939	13,068	1,289	9	1,088	8,727	2,748	.....	26,929
March 1935	12,701	1,236	19	834	7,668	2,483	.....	24,941
1936	12,810	1,217	23	827	8,300	2,641	.....	25,818
1937	12,828	1,300	21	768	8,004	2,914	.....	25,835
1938	13,653	1,154	12	758	7,362	2,908	2	25,849
1939	12,882	1,275	.....	915	7,817	2,710	.....	25,599
April 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
1937	12,936	1,172	.....	588	6,330	2,911	.....	23,937
1938	13,746	1,086	.....	528	5,683	2,742	2	23,787
1939	12,995	1,273	.....	379	5,560	2,648	.....	22,855
May 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
1937	14,109	1,117	.....	507	5,546	2,896	2	24,177
1938	13,635	1,050	.....	439	5,472	2,751	2	23,349
1939	13,089	1,240	.....	255	5,077	2,698	.....	22,359
June 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
1937	12,867	1,120	.....	480	5,411	2,787	.....	22,665
1938	13,555	1,048	.....	428	5,155	2,743	2	22,931
1939	13,053	1,252	.....	304	4,955	2,783	.....	22,347
July 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
1937	13,077	1,120	.....	492	5,379	2,786	.....	22,854
1938	13,579	1,047	.....	503	5,177	2,754	2	23,062
1939	12,968	1,236	.....	301	5,034	2,887	.....	22,426
August 1935	12,830	1,059	.....	455	6,572	2,253	3	23,172
1936	12,890	1,071	.....	574	6,981	2,606	.....	24,122
1937	13,091	1,093	.....	591	7,037	2,854	.....	24,666
1938	13,523	1,059	.....	538	6,467	2,710	.....	24,297
1939	12,901	1,228	.....	338	6,568	2,912	.....	23,947
September 1935	12,783	1,051	.....	823	7,882	2,299	.....	24,838
1936	12,889	1,130	6	1,103	8,990	2,645	.....	26,763
1937	13,376	1,087	.....	1,148	8,360	2,884	.....	26,855
1938	13,509	1,124	.....	846	7,364	2,757	.....	25,600
1939	12,923	1,319	.....	591	7,944	2,937	.....	25,711
October 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
1937	13,478	1,049	16	1,361	9,340	3,000	.....	28,244
1938	13,500	1,203	8	1,278	8,978	2,838	.....	27,805
1939	12,992	1,327	.....	993	9,276	2,881	.....	27,469
November 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
1937	13,691	457	20	1,253	9,578	2,630	.....	27,629
1938	13,508	1,248	8	1,391	9,468	2,746	.....	28,369
1939	13,138	1,395	12	815	9,565	2,923	.....	27,848
December 1935	12,819	1,205	29	1,163	9,620	2,696	.....	27,532
1936	13,046	1,229	24	1,144	9,954	2,776	.....	28,173
1937	13,876	518	23	1,169	9,449	3,080	.....	28,115
1938	13,330	1,254	8	1,225	9,253	2,883	.....	27,953
1939	13,208	1,424	11	873	9,038	2,869	.....	27,423
Average 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**
1937	**13,268**	**1,050**	**10**	**874**	**7,813**	**2,823**	**2**	**25,890**
1938	**13,592**	**1,120**	**5**	**841**	**7,374**	**2,833**	**2**	**25,767**
1939	**13,035**	**1,284**	**4**	**667**	**7,384**	**2,826**	.....	**25,200**

Table 35.—Wage-earners Employed and Days' Work Done, by Months, in the Coal Mines of Canada, 1939, with Comparative Totals for 1938

Month	Number of wage-earners			Days' work done		
	Surface	Underground	Total	Surface	Underground	Total
January	5,702	21,783	27,485	108,458	325,650	434,108
February	5,560	21,369	26,929	107,432	336,705	444,137
March	5,387	20,212	25,599	108,209	336,753	444,962
April	4,799	18,056	22,855	88,416	275,121	363,537
May	4,725	17,634	22,359	98,442	337,457	435,899
June	4,702	17,555	22,347	101,717	333,037	434,754
July	4,875	17,551	22,426	105,536	328,171	433,707
August	5,202	18,745	23,947	116,846	371,912	488,758
September	5,519	20,195	25,714	124,758	389,867	514,625
October	5,793	21,676	27,469	142,921	473,002	615,923
November	5,951	21,897	27,848	142,161	460,248	602,409
December	5,761	21,662	27,423	126,791	399,085	525,876
Total for 1939	.....	.....	.....	**1,371,687**	**4,367,008**	**5,738,695**
Total for 1938	.....	.....	.....	**1,301,913**	**4,047,580**	**5,349,493**

Table 36.—Wage-earners Employed in the Coal Mines of Canada, by Classes and by Provinces, 1939, with Comparative Totals for 1938

Classification	Province							Canada		
	Nova Scotia	New Brunswick	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon	Surface	Underground	Total
Administration	57	20	.....	5	53	15	.....	150	.....	150
Clerks	117	15	.....	15	127	27	.....	301	.....	301
Screenmen and loaders	643	82	.....	49	569	152	.....	1,495	.....	1,495
Foremen and officials	739	34	1	25	527	118	.....	232	1,212	1,444
Stripping shovel operators	.....	3	.....	8	8	.....	.....	19	.....	19
Cleaning shovel operators	.....	.....	.....	1	.....	.....	.....	1	.....	1
Hand cutters and helpers	589	602	2	230	1,879	378	.....	.....	3,680	3,680
Machine cutters and helpers	1,010	89	.....	29	276	181	.....	.....	1,585	1,585
Machine loaders and helpers	2,448	151	.....	60	1,281	395	.....	.....	4,335	4,335
Horse haulage employees	400	4	.....	35	371	109	.....	39	880	919
Mechanical haulage employees	1,592	19	.....	24	362	343	.....	117	2,223	2,340
Ventilation employees	237	2	.....	1	46	44	.....	.....	330	330
Roadmakers	324	10	.....	20	135	27	.....	3	513	516
Timbermen	1,100	24	.....	12	286	128	.....	5	1,545	1,550
Pumpmen	89	8	1	3	24	2	.....	5	122	127
Loading shovel	.....	.....	.....	11	.....	.....	.....	11	.....	11
Chute loaders	39	2	.....	.....	108	34	.....	.....	243	243
Enginemen	314	20	.....	7	130	52	.....	386	137	523
Firemen	124	5	.....	7	86	27	.....	249	.....	249
Machinists	211	4	.....	5	65	50	.....	309	26	335
Carpenters and masons	120	14	.....	5	60	49	.....	244	4	248
Other mechanics	363	9	.....	5	110	206	.....	311	382	693
Japanese	.....	.....	.....	.....	.....	3	.....	3	.....	3
Chinese	.....	.....	.....	.....	.....	96	.....	95	1	96
Indians	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
All other employees	2,519	167	.....	110	821	390	.....	1,364	2,643	4,007
Total for 1939	**13,035**	**1,284**	**4**	**667**	**7,384**	**2,826**	.....	**5,339**	**19,961**	**25,200**
Total for 1938	**13,592**	**1,120**	**5**	**841**	**7,374**	**2,833**	**2**	**5,507**	**20,260**	**25,767**

Table 37.—Average Output of Coal per Man-Day in Canada, by Provinces and by Districts, 1938 and 1939

—	1938			1939		
	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	1,870,562	4,676,730	2·500	2,084,291	5,413,615	2·597
Cumberland	357,601	713,768	1·996	403,193	808,051	2·004
Inverness	121,383	173,535	1·430	83,626	121,374	1·451
Pictou	429,777	672,384	1·564	437,915	708,136	1·617
Total	2,779,323	6,236,417	2·244	3,009,025	7,051,176	2·343
New Brunswick	235,392	342,238	1·454	330,478	468,421	1·417
Manitoba	1,336	2,016	1·509	930	1,138	1·224
Saskatchewan	194,993	1,022,166	5·242	164,013	960,000	5·853
Alberta—						
Bituminous—						
Cascade	56,227	170,034	3·024	60,634	194,441	3·207
Crowsnest	356,797	1,297,640	3·637	364,866	1,400,802	3·839
Highwood				69	10	0·145
Mountain Park	194,822	688,449	3·534	218,769	810,584	3·705
Nordegg	41,920	154,356	3·682	38,351	151,107	3·940
Total Bituminous	649,766	2,310,479	3·556	682,689	2,556,944	3·745
Sub-Bituminous—						
Coalspur	90,311	351,429	3·891	80,269	360,436	4·490
Morley	80	61	0·763	90	107	1·189
Pekisko	1,998	5,080	2·543	2,011	5,385	2·678
Pincher	871	1,413	1·622	807	1,374	1·703
Prairie Creek	35,103	91,189	2·598	41,816	104,063	2·488
Saunders	17,745	39,743	2·245	16,956	40,736	2·402
Total Sub-Bituminous	146,108	488,915	3·346	141,951	512,101	3·608
Lignite—						
Ardley	8,754	21,462	2·452	7,057	15,694	2·224
Big Valley	1,422	2,069	1·455	1,537	2,447	1·592
Brooks	3,361	9,669	2·877	3,283	10,980	3·345
Camrose	18,570	52,670	2·836	20,665	54,693	2·647
Carbon	28,605	92,844	3·246	25,938	80,032	3·086
Castor	14,177	39,757	2·804	15,762	38,110	2·418
Champion	8,195	16,184	1·975	8,020	15,273	1·904
Drumheller	293,278	1,167,993	3·983	310,160	1,223,337	3·944
Edmonton	143,915	515,077	3·579	141,548	472,132	3·335
Gleichen	14,684	23,046	1·569	15,137	26,091	1·724
Halcourt	3,522	3,368	0·956	3,316	2,992	0·902
Lethbridge	106,573	342,135	3·210	109,432	329,416	3·010
Magrath	694	542	0·781	445	431	0·969
Milk River	2,169	3,693	1·703	2,521	5,961	2·365
Pakau	401	353	0·880	343	202	0·589
Pakowki	900	1,419	1·577	904	1,464	1·619
Pembina	8,290	30,270	3·651	9,904	38,955	3·933
Redcliff	6,827	27,382	4·011	7,333	26,104	3·560
Rochester	518	729	1·407	747	974	1·304
Sexsmith	100	80	0·800	84	95	1·131
Sheerness	6,918	35,934	5·194	6,583	36,784	5·588
Steveville						
Taber	5,176	12,326	2·381	5,797	12,781	2·205
Tofield	13,613	45,094	3·313	12,375	47,067	3·852
Wetaskiwin	1,178	2,342	1·988	2,122	3,224	1·519
Whitecourt	121	231	1·909	109	229	2·101
Area not designated	2,842	5,170	1·819	1,929	4,095	2·123
Total Lignite	694,803	2,451,839	3·529	713,051	2,450,163	3·436
Total Alberta	1,490,677	5,251,233	3·523	1,537,691	5,519,208	3·589
British Columbia—						
Crow's Nest Pass	132,417	482,417	3·643	143,562	629,392	4·384
Inland	97,644	216,311	2·215	98,988	229,692	2·320
Island	417,625	741,559	1·776	454,008	833,671	1·836
Total	647,686	1,440,287	2·224	696,558	1,692,755	2·430
Yukon	86	361	4·198			
Canada	**5,349,493**	**14,294,718**	**2·672**	**5,738,695**	**15,692,698**	**2·735**

Table 38.—Fatal and Non-Fatal Accidents in the Coal Mining Industry in Canada, by Provinces, 1939, with Comparative Totals for 1938

	Nova Scotia		New Brunswick		Manitoba		Saskatchewan		Alberta		British Columbia		Canada	
	Fatal	Non-fatal	Fatal	Non-fatal	Fatal	Non-fatal	Fatal	Non-fatal	Fatal	Non-fatal	Fatal	Non-fatal	Fatal	Non-fatal
UNDERGROUND														
Falls of roof or face	10	756	1	136	.....	.....	.....	26	8	73	.....	201	19	1,192
Mine cars and locomotives	5	493	.....	70	.....	.....	.....	54	3	47	2	76	10	740
Gas and dust explosions	.....	.....	.....	2	.....	.....	.....	.....	3	.....	3	2	6	4
Explosives	.....	.....	.....	8	.....	.....	.....	3	.....	4	.....	2	.....	17
Electricity	.....	.....	.....	10	.....	.....	1	1	.....	.....	.....	1	1	12
Timbering	.....	.....	.....	.....	.....	.....	.....	6	1	18	.....	.....	1	24
Mining and loading coal	.....	.....	.....	.....	.....	.....	.....	51	.....	18	.....	.....	.....	69
Coal cutting machines	.....	.....	.....	.....	.....	.....	.....	.....	.....	5	.....	.....	.....	5
Miscellaneous	1	1,094	.....	190	.....	.....	.....	53	.....	30	1	380	2	1,747
Total underground	16	2,343	1	416	.....	.....	1	194	15	195	6	662	39	3,810
SURFACE														
Haulage and cars	.....	33	.....	11	.....	.....	.....	22	.....	10	.....	.....	.....	76
Machinery	.....	21	.....	14	.....	.....	.....	5	.....	10	.....	3	.....	53
Miscellaneous	.....	139	.....	35	.....	.....	.....	34	2	22	.....	34	2	264
Total surface	.....	193	.....	60	.....	.....	.....	61	2	42	.....	37	2	393
Total for 1939	**16**	**2,536**	**1**	**476**	.....	.....	**1**	**255**	**17**	**237**	**6**	**699**	**41**	**4,203**
Total for 1938	**41**	**2,348**	.....	**356**	.....	**8**	**2**	**235**	**20**	**208**	**10**	**504**	**73**	**3,659**

Table 39.—Fuel and Electricity Used in the Coal Mining Industry in Canada, by Kinds and by Provinces, 1939

Province	Coal			Gasoline, kerosene and fuel oil	Electricity purchased	Total value	Electricity generated for own use
	Bituminous	Subbituminous	Lignite				
	Tons	Tons	Tons	Imp. Gal.	K.W.H.	$	K.W.H.
NOVA SCOTIA—							
Quantity	361,248	.....	.....	.....	87,172,373	.....	20,937,543
Value $	1,160,325	.....	.....	.....	964,785	2,125,110	.....
NEW BRUNSWICK—							
Quantity	3,679	.....	.....	14,177	1,504,343	.....	.....
Value $	10,842	.....	.....	2,677	31,508	45,027	.....
MANITOBA—							
Quantity	.....	.....	146	.....	.....	.....	.....
Value $	.....	.....	340	.....	.....	340	.....
SASKATCHEWAN—							
Quantity	.....	.....	22,604	83,332	2,413,712	.....	147,680
Value $	.....	.....	22,015	18,582	44,729	85,326	.....
ALBERTA—							
Quantity	91,861	33,492	26,265	47,160	26,291,259	.....	10,579,883
Value $	246,390	61,253	25,545	11,067	313,021	657,276	.....
BRITISH COLUMBIA—							
Quantity	66,729	.....	.....	18,074	13,079,370	.....	18,748,893
Value $	177,550	.....	.....	2,741	129,161	309,452	.....
Canada—							
Quantity	**523,517**	**33,492**	**49,015**	**162,743**	**130,461,057**	.....	**50,413,999**
Value $	**1,595,107**	**61,253**	**47,900**	**35,067**	**1,483,204**	**3,222,531**	.....

Table 40.—Power Employed in the Coal Mining Industry in Canada, by Provinces, 1939, with Comparative Totals for 1938

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.	45	.....	.....	*45*	750	**795**	112	*862*	95
	H.P.	49,736	.....	.....	*49,736*	54,194	**103,930**	9,657	*63,851*	31,080
New Brunswick	No.	16	4	.....	*20*	163	**183**	.....	*163*	12
	H.P.	781	110	.....	*891*	1,394	**2,285**	.....	*1,394*	460
Manitoba	No.	2	.....	.....	*2*	.....	**2**	1	*1*	1
	H.P.	32	.....	.....	*32*	.....	**32**	5	*5*	50
Saskatchewan	No.	24	42	.....	*66*	322	**388**	32	*354*	11
	H.P.	1,385	1,400	.....	*2,785*	7,915	**10,700**	828	*8,743*	1,835
Alberta	No.	150	115	.....	*265*	1,099	**1,364**	329	*1,428*	135
	H.P.	22,668	1,969	.....	*24,637*	30,902	**55,539**	8,233	*39,135*	17,232
British Columbia	No.	64	11	2	*77*	117	**194**	83	*200*	29
	H.P.	15,912	400	12,000	*28,312*	5,237	**33,549**	8,224	*18,461*	5,398
Total for 1939	**No.**	**301**	**172**	**2**	**475**	**2,451**	**2,926**	**557**	**3,008**	**283**
	H.P.	**90,514**	**3,879**	**12,000**	**106,393**	**99,642**	**206,035**	**26,947**	**126,589**	**56,035**
Total for 1938	**No.**	**310**	**126**	**2**	**438**	**2,149**	**2,587**	**532**	**2,681**	**317**
	H.P.	**93,126**	**2,795**	**12,000**	**107,921**	**93,221**	**201,142**	**32,853**	**126,074**	**61,120**

Table 41.—Capital Employed in the Coal Mines of Canada, by Provinces, 1938 and 1939

Province	1938				1939			
	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	35,928,287	3,575,722	5,077,169	**44,581,178**	33,216,566	3,453,405	8,151,120	**44,821,091**
New Brunswick	628,675	33,159	217,532	**879,366**	776,612	37,874	392,420	**1,206,906**
Manitoba	4,000	100	500	**4,600**	3,000	100	500	**3,600**
Saskatchewan	2,752,658	75,299	261,512	**3,089,469**	3,748,459	130,660	381,928	**4,261,047**
Alberta	30,005,646	652,481	6,542,583	**37,200,710**	29,811,382	821,006	6,333,786	**36,966,174**
British Columbia	23,146,576	466,636	1,923,352	**25,536,564**	19,492,252	244,763	2,076,651	**21,813,666**
Yukon	203,000	250	.....	**203,250**	.....	.....	.....	.....
Canada	**92,668,842**	**4,803,647**	**14,022,648**	**111,495,137**	**87,048,271**	**4,687,808**	**17,336,405**	**109,072,484**

CHAPTER TWO

PRINCE EDWARD ISLAND

Coal made available for consumption in Prince Edward Island in 1939 totalled 100,875 tons compared with 89,674 tons in the preceding year. Shipments from Nova Scotia mines amounted to 88,664 tons; from New Brunswick, 1,277 tons; from Great Britain, 4,523 tons; from Germany, 1,562 tons and from the United States 4,849 tons. In 1938, receipts from Nova Scotia totalled 76,660 tons; from New Brunswick, 1,332 tons; from Great Britain, 6,589 tons; from Germany, 3,189 tons and from the United States, 1,914 tons.

Table 42.—Exports of Canadian Coal through Prince Edward Island Ports, 1935-1939

(Short tons)

Port	1935	1936	1937	1938	1939
Charlottetown	100	5	11	10	-
Total	**100**	**5**	**11**	10	-

Table 43.—*Imports into Prince Edward Island of Anthracite and Bituminous Coal, by Ports of Entry, 1938 and 1939

(Short tons)

Port	Source	1938					1939					
		Anthracite			Bituminous, all grades	Total coal	Anthracite				Bituminous, all grades	Total coal
		Grate, egg, stove, nut, doubles, cobbles and trebles	Peas, beans and smaller sizes n.o.p.	Total			Grate, egg, stove, nut, doubles, cobbles and trebles	Screenings or dust	Peas, beans and smaller sizes n.o.p.	Total		
Charlottetown	U.S.	1,777	.....	1,777	137	1,914	2,504	.....	.....	2,504	96	2,600
	G.B.	.....	.....	.....	4,246	4,246	.....	.....	.....	.....	2,514	2,514
	Germany	.....	.....	.....	.....	.....	1,562	.....	.....	1,562	.....	1,562
Summerside	U.S.	.....	.....	.....	.....	.....	2,249	.....	.....	2,249	.....	2,249
	G.B.	.....	.....	.....	2,343	2,343	.....	.....	.....	.....	2,009	2,009
	Germany	3,189	.....	3,189	.....	3,189	.....	.....	.....	.....	.....	.....
Total	**U.S.**	**1,777**	.....	**1,777**	**137**	**1,914**	**4,753**	.....	.....	**4,753**	**96**	**4,849**
	G.B.	.....	.....	.....	**6,589**	**6,589**	.....	.....	.....	.....	**4,523**	**4,523**
	Germany	**3,189**	.....	**3,189**	.....	**3,189**	**1,562**	.....	.....	**1,562**	.....	**1,562**
Grand total	.....	**4,966**	.....	**4,966**	**6,726**	**11,692**	**6,315**	.....	.....	**6,315**	**4,619**	**10,934**

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

Table 44.—Summary Statistics for Prince Edward Island in 1939—Exports, Interprovincial 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	Imported from Germany
January—					
Anthracite					
Bituminous	8,270				
Total	8,270				
February—					
Anthracite					
Bituminous	9,282				
Total	9,282				
March—					
Anthracite					
Bituminous	7,415		29		
Total	7,415		29		
April—					
Anthracite			304		
Bituminous	4,384				
Total	4,384		304		
May—					
Anthracite					
Bituminous	4,419				
Total	4,419				
June—					
Anthracite					
Bituminous	3,675				
Total	3,675				
July—					
Anthracite			586		
Bituminous	5,100			2,009	
Total	5,100		586	2,009	
August—					
Anthracite			1,376		
Bituminous	4,646			2,514	
Total	4,646		1,376	2,514	
September—					
Anthracite			1,158		
Bituminous	11,402		32		
Total	11,402		1,190		
October—					
Anthracite			296		1,562
Bituminous	12,154				
Total	12,154		296		1,562
November—					
Anthracite			577		
Bituminous	10,743				
Total	10,743		577		
December—					
Anthracite			456		
Bituminous	8,451		35		
Total	8,451		491		
Total—					
Anthrarite			4,753		1,562
Bituminous	89,941		96	4,523	
Total	89,941		4,849	4,523	1,562

CHAPTER THREE

NOVA SCOTIA

Nova Scotia coal mines produced 7,051,176 tons in 1939 compared with 6,236,417 tons in the preceding year. The output from Cape Breton mines amounted to 5,413,615 tons or 15·8 per cent above the 1938 total. Production from the Cumberland district totalled 808,051 tons as against 713,768 tons, a year ago. An increase of 5·3 per cent was recorded in the Pictou output; the 1939 total was 708,136 tons and the preceding year's total, 672,384 tons. In the Inverness district, the output declined to 121,374 tons from the 1938 total of 173,535 tons.

Shipments of Nova Scotia coal in 1939 aggregated 6,363,809 tons; a year ago, 5,770,319 tons were shipped. Quebec continued to be the principal market for Nova Scotia coal; in 1939, this province received 3,498,037 tons of coal for railroad and other purposes. Direct shipments from the mines for consumption within Nova Scotia (except local sales to employees) totalled 1,737,997 tons and included 327,659 tons for railroad use and 1,410,338 tons for other uses. New Brunswick received 579,619 tons during the year and Prince Edward Island 88,664 tons. Coal supplied for ships' bunkers totalled 309,806 tons in 1939. Nova Scotia mines shipped 12,801 tons direct to Ontario; in addition to this tonnage, trans-shipments were made from Montreal to the following districts: Ottawa area, 307,965 tons; Kingston area, 94,148 tons; Toronto area, 492,041 tons; Windsor area, 94,485 tons and the Northern Ontario area, 330,488 tons.

Mines in Nova Scotia active in 1939 produced approximately 73 per cent of their possible output; 22·9 per cent of the output loss was due to lack of orders. These mines had a production loss of 2,545,809 tons estimated to have been due to causes other than strikes. Based on the average output per man-day, it was estimated that strikes caused a further computed loss in production of 176,936 tons.

Nova Scotia's coal supply in 1939 (calculated on the basis of output, plus imports less the tonnage shipped from the province) was 2,870,353 tons, of which, mines within the province produced 96·4 per cent. Other contributors to this province's coal supply were Great Britain, the United States, Germany and the neighbouring province of New Brunswick.

On the average, 13,035 wage-earners were employed in the operation of Nova Scotia coal mines in 1939. These men received 3,009,025 man-days work or an average of 231 days per man during the year. During the preceding year, 13,592 wage-earners were employed and these men worked 2,779,323 eight-hour shifts or an average of 204 shifts per man.

Table 45.—Output of Coal from Nova Scotia Mines, 1785-1939

(Short tons)

Calendar year	Output	Value	Calendar year	Output	Value	Calendar year	Output	Value
		$			$			$
1785-1866	2,649,416	4,139,714	1892	2,159,389	3,374,046	1917	6,327,091	19,410,737
1867	596,332	931,769	1893	2,444,924	3,820,194	1918	5,818,562	21,095,470
1868	574,106	897,041	1894	2,527,982	3,949,970	*1919	5,790,196	22,350,157
1869	647,727	1,012,074	1895	2,225,145	3,476,790	*1920	6,437,156	32,314,523
1870	719,211	1,123,767	1896	2,508,579	3,919,655	*1921	5,734,928	27,782,050
1871	754,827	1,179,417	1897	2,493,554	3,896,179	*1922	5,569,072	24,629,921
1872	1,003,806	1,568,446	1898	2,563,180	4,004,970	*1923	6,597,838	28,170,458
1873	1,108,245	1,731,632	1899	3,148,822	5,622,898	*1924	5,557,441	22,280,554
1874	972,954	1,520,240	1900	3,623,536	8,088,250	*1925	3,842,978	15,826,680
1875	930,613	1,454,084	1901	4,158,068	6,496,982	*1926	6,747,477	26,845,226
1876	837,755	1,308,991	1902	5,161,316	9,216,636	*1927	7,071,876	27,194,671
1877	880,215	1,375,339	1903	5,653,338	10,095,246	*1928	6,743,504	27,427,556
1878	875,994	1,368,741	1904	5,596,241	9,993,288	*1929	7,056,133	28,071,956
1879	866,220	1,353,469	1905	5,646,583	10,083,184	*1930	6,252,552	24,528,860
1880	1,177,669	1,840,108	1906	6,220,505	11,108,044	*1931	4,955,563	19,016,720
1881	1,280,050	2,000,079	1907	6,354,133	12,764,999	*1932	4,084,581	15,167,793
1882	1,524,947	2,382,730	1908	6,652,539	13,364,476	*1933	4,557,590	15,969,793
1883	1,578,609	2,466,576	1909	5,652,089	11,354,643	*1934	6,341,625	21,860,093
1884	1,543,829	2,412,233	1910	6,431,142	12,919,705	*1935	5,822,075	20,391,227
1885	1,547,990	2,418,735	1911	7,004,420	14,071,379	*1936	6,649,102	22,973,281
1886	1,698,018	2,653,152	1912	7,783,888	17,374,750	*1937	7,256,954	25,640,819
1887	1,858,596	2,904,057	1913	7,980,073	17,812,663	*1938	6,236,417	22,523,802
1888	1,942,231	3,034,735	1914	7,370,924	16,452,955	*1939	7,051,176	25,611,271
1889	1,918,827	2,998,167	1915	7,463,370	16,659,308			
1890	2,181,033	3,407,864	1916	6,912,140	18,514,662	Total	298,174,906	838,546,274
1891	2,267,919	3,543,624						

* For the years 1919-1939 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 46.—Output of Coal from Nova Scotia Mines, by Months, 1935-1939

(Short tons)

Month	1935	1936	1937	1938	1939
January	508,191	435,997	500,455	606,954	390,479
February	428,092	420,552	453,477	534,257	432,283
March	397,276	425,146	453,659	528,559	481,124
April	369,834	423,954	467,437	402,076	452,322
May	498,924	571,892	639,377	616,579	683,282
June	535,841	626,590	622,492	572,493	646,430
July	583,832	646,568	694,786	469,737	638,005
August	489,057	565,859	698,983	476,785	630,622
September	463,263	653,918	697,474	539,676	624,387
October	593,310	690,343	694,425	570,368	723,691
November	504,099	622,152	700,919	490,733	713,761
December	450,356	566,101	633,470	428,200	634,790
Total	**5,822,075**	**6,649,102**	**7,256,954**	**6,236,417**	**7,051,176**

Table 47.—Output of Coal by Districts in Nova Scotia, 1935-1939

(Short tons)

District	1935	1936	1937	1938	1939
Cape Breton	4,413,570	5,158,877	5,490,819	4,676,730	5,413,615
Cumberland	702,496	701,767	807,651	713,768	808,051
Inverness	116,978	142,540	186,927	173,535	121,374
Pictou	589,031	645,918	771,557	672,384	708,136
Total	**5,822,075**	**6,649,102**	**7,256,954**	**6,236,417**	**7,051,176**

Table 48.—Output of Coal by Principal Collieries in Nova Scotia, 1937-1939 (Average of 500 tons or more per month)

(Short tons)

Name	Address	1937	1938	1939
CAPE BRETON DISTRICT—				
Bras d'Or Coal Co., Ltd.	Bras d'Or	137,515	131,100	139,140
British Coal Co. Ltd.	Sydney	6,245	5,313	5,965
Dominion Coal Co., Ltd.	Sydney	4,563,119	3,878,264	4,523,774
Indian Cove Coal Co., Ltd.	Sydney Mines	60,440	63,911	60,757
Old Sydney Collieries Ltd., (formerly Nova Scotia Steel and Coal Co., Ltd.	Trenton	720,652	597,695	683,979
All other operators		2,848	447	.....
Total		5,490,819	4,676,730	5,413,615
CUMBERLAND DISTRICT—				
Cumberland Railway and Coal Co.	Springhill	666,472	552,998	644,135
Joggins Coal Co., Ltd.	Amherst	.....	.....	31,423
Maritime Coal, Railway & Power Co., Ltd.	Amherst	40,517	69,923	25,782
Shore Coal Co., Ltd.	Amherst	22,226	24,322	23,605
Standard Coal Co., Ltd.	Amherst	43,819	17,980	31,681
Victoria Coal Co., Ltd.	New Glasgow	34,617	48,545	51,268
All other operators		.....	.....	157
Total		807,651	713,768	808,051
INVERNESS DISTRICT—				
Inverness Coal Mine	Inverness	157,013	133,783	116,360
Port Hood Coal Mines Ltd.	Port Hood	27,503	37,471	1,435
All other operators		2,411	2,281	3,579
Total		186,927	173,535	121,374
PICTOU DISTRICT—				
Acadia Coal Co., Ltd.	Stellarton	485,564	400,919	476,673
Greenwood Coal Co., Ltd.	New Glasgow	52,894	43,584	40,155
Intercolonial Coal Co., Ltd.	Westville	230,969	226,918	190,286
All other operators		2,130	963	1,022
Total		771,557	672,384	708,136
Total Nova Scotia		**7,256,954**	**6,236,417**	**7,051,176**

Table 49.—Tonnage Lost in Nova Scotia Coal Mines Showing, by Districts, the Relative Percentages Produced and Lost, with an Analysis of the Percentage Lost, 1938 and 1939

District		Per cent produced	Per cent lost	Percentage lost through				
				Absenteeism	Lack of orders	Car shortage	Mine disability	Other causes
Cape Breton	1938	62	38	0·9	36·0	.....	0·8	0·3
	1939	73	27	0·8	25·1	0·1	0·7	0·3
Cumberland	1938	60	40	5·1	24·0	.....	3·6	7·3
	1939	70	30	6·1	14·5	0·0	1·1	8·3
Inverness	1938	73	27	.....	25·5	.....	.....	1·5
	1939	93	7	.....	5·7	.....	0·4	0·9
Pictou	1938	69	31	2·5	28·5	.....	.....	.....
	1939	76	24	5·6	17·8	.....	0·2	0·4
Nova Scotia	**1938**	**63**	**37**	**1·5**	**33·5**	.....	**1·0**	**1·0**
	1939	**73**	**27**	**1·9**	**22·9**	**0·1**	**0·8**	**1·2**

Table 50.—Disposition of Coal from Nova Scotia Mines, 1938 and 1939

(Short tons)

—	1938		1939					
	Total		Run-of-mine	Lump	Nut and other grades	Slack	Total	
	Quantity	Value					Quantity	Value
		$		$				
Supplied to employees for domestic consumption	124,112	371,745	105,548	16,345	679	590	123,162	384,912
Coal shipped as per Table 52	5,770,319	21,378,489	1,120,820	2,198,591	201,705	2,842,693	6,363,809	23,832,694
Used under colliery boilers	264,353	785,878	14,139	1,342	68,333	198,472	282,286	845,519
Used by companies' railroads	27,771	114,336	18,642	2,570	11,057	1,059	33,328	138,644
Used in shops, etc	47,250	181,787	446	778	31,850	11,190	44,264	172,081
Used by harbour tugs and dredges	1,434	4,330	1,338	.....	.....	32	1,370	4,681
Put on bank	1,331,658	4,465,558	35,245	627,393	5,035	762,765	1,430,438	4,789,356
Put on waste heap	96,033	.....	.....	.....	.....	.....	132,683	.....
Total disposition	7,662,930	27,302,123	1,296,178	2,847,019	318,659	3,816,801	8,411,340	30,167,287
Lifted from bank	1,425,362	4,778,321	35,201	568,195	5,325	751,390	1,360,111	4,556,016
Lifted from waste heap	1,151	.....	.....	.....	.....	.....	53	.....
Total output	6,236,417	22,523,802	1,260,977	2,278,824	313,334	3,065,411	7,051,176	25,611,271

Table 51.—Tonnages Put on Bank and Lifted from Bank in Nova Scotia, 1935-1939

(Short tons)

Month	1935		1936		1937		1938		1939	
	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
On bank at first of year	*170,944*	.....	*136,949*	.....	*231,332*	.....	*266,987*	.....	*173,288*	.....
January	230,210	41,178	174,777	58,966	224,078	81,107	251,611	59,316	157,717	36,248
February	194,688	44,647	151,146	55,872	193,857	60,576	271,101	57,684	196,415	34,739
March	171,316	48,700	229,823	53,399	177,286	66,760	235,379	62,522	241,891	39,679
April	155,079	33,397	96,674	49,710	172,536	63,371	103,057	59,952	172,483	50,649
May	55,877	80,927	40,920	110,542	48,149	150,937	66,770	183,717	71,339	124,666
June	30,416	183,392	62,700	160,316	61,768	213,676	75,631	235,247	62,353	237,334
July	37,983	188,820	39,942	123,311	63,707	193,727	21,089	196,688	59,537	241,588
August	28,240	205,536	24,895	167,530	49,087	200,313	22,023	191,999	52,546	210,110
September	26,985	121,471	48,139	116,734	56,881	150,984	46,573	147,533	55,268	173,367
October	65,678	151,613	33,187	89,616	56,743	122,547	37,256	143,977	55,709	81,865
November	70,520	81,067	79,757	79,367	115,038	57,626	57,787	45,539	110,596	65,053
December	140,598	60,837	243,585	65,799	241,163	63,014	143,381	41,188	194,584	64,813
Total	1,207,590	1,241,585	1,225,545	1,131,162	1,460,293	1,424,638	1,331,658	1,425,362	1,430,438	1,360,111

Table 52.—Shipments of Coal from Nova Scotia Mines, by Grades and by Destinations 1938 and 1939

(Short tons)

Destination	1938					1939				
	Run-of mine	Lump	Nut and other grades	Slack	Total	Run-of mine	Lump	Nut and other grades	Slack	Total
Coal supplied for bunkers	240,154	818	.....	2,664	243,636	307,773	171	15	1,847	309,806
Coal supplied to railroads—										
In Nova Scotia	290,605	62,805	98	18,999	372,567	252,814	59,583	258	15,004	327,659
In New Brunswick	74,188	22,644	283	13,188	110,303	67,355	21,037	429	15,394	104,215
In Quebec	103,851	229,646	.....	3,860	337,357	104,559	286,291	932	4,576	396,358
In Ontario	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
In Prince Edward Island	4,766	1,504	87	3,001	9,358	7,581	1,296	72	3,988	12,937
Total in Canada	473,410	316,599	468	39,048	829,525	432,309	368,207	1,691	38,962	841,169
In Newfoundland	.....	5,560	.....	.....	5,560	.....	31,678	.....	.....	31,678
Nova Scotia Iron and Steel	137,847	299,263	20,234	736,310	1,193,654	14,913	115,961	.....	635,821	766,695
Nova Scotia other shipments by land						118,760	200,110	23,830	146,350	489,050
Nova Scotia by sea	13,225	48,388	10,569	64,493	136,675	12,080	70,619	10,678	61,216	154,593
New Brunswick	73,017	96,744	19,758	234,727	424,246	75,630	122,737	21,070	255,767	475,404
Newfoundland	28,198	81,626	115	.....	109,939	29,126	72,219	448	.....	101,793
Prince Edward Island	7,733	41,939	3,979	13,651	67,302	6,580	48,547	4,053	16,547	75,727
Quebec (a)	31,918	964,435	118,154	1,606,131	2,720,638	115,863	1,165,109	139,920	1,680,787	3,101,679
Ontario	.....	329	.....	33,605	33,934	7,405	.....	.....	5,396	12,801
United States	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
St. Pierre	1,602	3,608	.....	.....	5,210	181	2,244	.....	.....	2,425
Lost at sea	.....	.....	.....	.....	.....	.....	989	.....	.....	989
Total	1,007,104	1,859,309	173,277	2,730,629	5,770,319	1,120,820	2,198,591	201,705	2,842,693	6,363,809

(a) The 1938 and 1939 figures include a considerable quantity of coal sold for railroad use.

Table 53.—Exports of Canadian Coal through Nova Scotia Ports, 1935-1939

(Short tons)

Port	1935	1936	1937	1938	1939
Halifax	67	35	.....	1	2
Liverpool	.....	.....	.....	.....	.....
Lunenburg	.....	.....	.....	.....	.....
North Sydney	97,349	79,645	90,004	109,500	91,049
Pictou	.....	.....	.....	.....	4,302
Sydney	135,181	122,823	29,378	17,696	9,585
Total	232,597	202,503	119,382	127,197	104,938

Table 54.—Imports into Nova Scotia of Anthracite and Bituminous Coal, by Ports of Entry, 1938 and 1939*

(Short tons)

Port	Source	1938					1939					
		Anthracite			Bituminous, all grades	Total coal	Anthracite				Bituminous, all grades	Total coal
		Grate, egg, stove, nut, doubles, cobbles and trebles	Peas, beans and smaller sizes n.o.p.	Total			Grate, egg, stove, nut, doubles, cobbles and trebles	Screenings or dust	Peas, beans and smaller sizes n.o.p.	Total		
Amherst	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Annapolis	U.S.	892	.....	892	.....	892	318	.....	.....	318	.....	318
	G.B.	.....	.....	.....	.....	.....	1,000	.....	.....	1,000	.....	1,000
Arichat	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Baddeck	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Barrington Passage	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Bridgewater	U.S.	255	.....	255	.....	255	453	.....	.....	453	.....	453
Canso	U.S.	484	.....	484	.....	484	791	.....	.....	791	.....	791
Digby	U.S.	135	.....	135	.....	135	.....	.....	.....	.....	.....	.....
	G.B.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Glace Bay	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Halifax	U.S.	1,529	.....	1,529	28	1,557	8,305	.....	.....	8,305	2,855	11,160
	G.B.	39,879	7,006	46,885	20,787	67,672	29,039	.....	12,654	41,693	29,223	70,916
	Germany	9,689	181	9,870	.....	9,870	3,360	.....	.....	3,360	.....	3,360
	Netherlands	1,345	.....	1,345	.....	1,345	.....	.....	.....	.....	.....	.....
Kentville	U.S.	.....	.....	.....	.....	.....	2,587	.....	.....	2,587	.....	2,587
	G.B.	.....	.....	.....	2,417	2,417	.....	.....	.....	.....	.....	.....
	Germany	2,345	.....	2,345	.....	2,345	590	.....	165	755	.....	755
Liverpool	U.S.	461	.....	461	.....	461	567	.....	.....	567	.....	567
	G.B.	582	.....	582	1,045	1,627	594	.....	101	695	.....	695
Lunenburg	U.S.	469	.....	469	.....	469	853	.....	.....	853	.....	853
	G.B.	2,021	.....	2,021	.....	2,021	2,458	.....	.....	2,458	.....	2,458
Middleton	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
New Glasgow	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
North Sydney	U.S.	20	.....	20	.....	20	45	.....	.....	45	.....	45
Parrsboro'	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pictou	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Port Hawkesbury	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Port Hood	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Shelburne	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	G.B.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sydney	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Truro	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Weymouth	U.S.	168	.....	168	.....	168	167	.....	.....	167	.....	167
Windsor	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Yarmouth	U.S.	5,028	123	5,151	2	5,153	7,013	.....	.....	7,013	.....	7,013
	G.B.	3,789	.....	3,789	.....	3,789	.....	.....	.....	.....	.....	.....
Total	**U.S.**	9,441	123	9,564	30	9,594	21,099	.....	.....	21,099	2,855	23,954
	G.B.	46,271	7,006	53,277	24,249	77,526	33,091	.....	12,755	45,846	29,223	75,069
	Germany	12,034	181	12,215	.....	12,215	3,950	.....	165	4,115	.....	4,115
	Netherlands	1,345	.....	1,345	.....	1,345	.....	.....	.....	.....	.....	.....
Grand Total	.....	69,091	7,310	76,401	24,279	100,680	58,140	.....	12,920	71,060	32,078	103,138

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

Table 55.—Summary Statistics for Nova Scotia in 1939—Output, 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
	Output	Received from other provinces	Shipped to other provinces	Exported			
January—							
Anthracite					795	6,347	755
Bituminous	390,479	33	66,443	16,498		2,316	
Total	390,479	33	66,443	16,498	795	8,663	755
February—							
Anthracite					233	3,684	
Bituminous	432,283		81,082	3,545		7,039	
Total	432,283		81,082	3,545	233	10,723	
March—							
Anthracite						2,216	2,240
Bituminous	481,124		75,652	8,120		7,476	
Total	481,124		75,652	8,120		9,692	2,240
April—							
Anthracite					360		
Bituminous	452,322		147,590	988		568	
Total	452,322		147,590	988	360	568	
May—							
Anthracite					352	4,874	
Bituminous	683,282		515,330	2,218		2,913	
Total	683,282		515,330	2,218	352	7,787	
June—							
Anthracite					2,910	2,558	
Bituminous	646,430		606,656	14,235			
Total	646,430		606,656	14,235	2,910	2,558	
July—							
Anthracite					2,050	1,926	
Bituminous	638,005		604,628	6,105		2,895	
Total	638,005		604,628	6,105	2,050	4,821	
August—							
Anthracite					1,149	3,537	
Bituminous	630,622		580,898	8,923	38	4,894	
Total	630,622		580,898	8,923	1,187	8,431	
September—							
Anthracite					1,247	2,458	1,120
Bituminous	624,387	65	498,985	15,982			
Total	624,387	65	498,985	15,982	1,247	2,458	1,120
October—							
Anthracite					5,031	8,273	
Bituminous	723,691		467,069	10,132			
Total	723,691		467,069	10,132	5,031	8,273	
November—							
Anthracite					1,605	2,689	
Bituminous	713,761		359,482	4,711			
Total	713,761		359,482	4,711	1,605	2,689	
December—							
Anthracite					5,367	7,284	
Bituminous	634,790		175,306	13,481	2,817	1,122	
Total	634,790		175,306	13,481	8,184	8,406	
Total—							
Anthracite					**21,099**	**45,846**	**4,115**
Bituminous	**7,051,176**	**98**	**4,179,121**	**104,938**	**2,855**	**29,223**	
Total	**7,051,176**	**98**	**4,179,121**	**104,938**	**23,954**	**75,069**	**4,115**

Table 56.—Employees, Salaries and Wages in the Coal Mines of Nova Scotia, by Districts, 1938 and 1939

District	Average number of employees					Salaries and wages		
	Salaried employees		Wage-earners		Total			
	Male	Female	Surface	Under-ground		Salaries	Wages	Total
						$	$	$
1938								
Cape Breton	311	38	1,226	8,066	9,641	687,309	9,884,558	10,571,867
Cumberland	53	9	278	1,425	1,765	108,002	1,625,089	1,733,091
Inverness	18	2	152	371	543	23,509	424,142	447,651
Pictou	62	5	476	1,598	2,141	118,035	1,742,828	1,860,863
Nova Scotia	**444**	**54**	**2,132**	**11,460**	**14,090**	**936,855**	**13,676,617**	**14,613,472**
1939								
Cape Breton	311	40	1,253	7,932	9,536	681,359	10,989,917	11,671,276
Cumberland	55	9	288	1,418	1,770	99,893	1,805,654	1,905,547
Inverness	17	2	88	186	293	20,757	284,765	305,522
Pictou	65	5	452	1,418	1,940	123,239	1,764,233	1,887,472
Nova Scotia	**448**	**56**	**2,081**	**10,954**	**13,539**	**925,248**	**14,844,569**	**15,769,817**

Table 57.—Employment and Earnings in the Coal Mines of Nova Scotia, 1935-1939

	1935	1936	1937	1938	1939
Average number of wage-earners—					
Surface	2,039	2,033	2,141	2,132	2,081
Underground	10,635	10,848	11,127	11,460	10,954
Total	**12,674**	**12,881**	**13,268**	**13,592**	**13,035**
Days' work done—					
Surface	507,045	510,586	577,019	495,095	536,621
Underground	2,244,059	2,410,460	2,703,767	2,284,228	2,472,404
Total	**2,751,104**	**2,921,046**	**3,280,786**	**2,779,323**	**3,009,025**
Average number of days worked per man per year—					
Surface	249	251	270	232	258
Underground	211	222	243	199	226
By all wage-earners	**217**	**227**	**247**	**204**	**231**
Total wages paid	**$ 12,071,021**	**$ 13,291,656**	**$ 15,704,084**	**$ 13,676,617**	**$ 14,844,569**

Table 58.—Wage-Earners and Work Done, by Months, in the Coal Mines of Nova Scotia in 1939

Month	Number of wage-earners			Days' work done		
	Surface	Under-ground	Total	Surface	Under-ground	Total
January	2,062	11,083	13,145	35,108	149,222	184,330
February	2,041	11,027	13,068	35,527	155,951	191,478
March	1,994	10,888	12,882	38,535	177,342	215,877
April	2,015	10,980	12,995	35,223	163,511	198,734
May	2,026	11,063	13,089	45,365	229,211	274,576
June	2,039	11,014	13,053	45,138	221,746	266,884
July	2,080	10,888	12,968	47,288	215,933	263,221
August	2,095	10,806	12,901	48,399	224,503	272,902
September	2,112	10,811	12,923	50,338	222,060	272,398
October	2,151	10,841	12,992	53,443	248,412	301,855
November	2,168	10,970	13,138	53,398	246,020	299,418
December	2,150	11,058	13,208	48,859	218,493	267,352
Total				**536,621**	**2,472,404**	**3,009,025**

Table 59.—Number of Man-Days Worked, by Districts, in Nova Scotia, 1938 and 1939

District	1938			1939		
	Surface	Underground	Total	Surface	Underground	Total
Cape Breton	271,776	1,598,786	1,870,562	315,443	1,768,848	2,084,291
Cumberland	70,129	287,472	357,601	75,478	327,715	403,193
Inverness	40,511	80,872	121,383	28,758	54,868	83,626
Pictou	112,679	317,098	429,777	116,942	320,973	437,915
Total	**495,095**	**2,284,228**	**2,779,323**	**536,621**	**2,472,404**	**3,009,025**

Table 60.—Wage-Earners Employed in the Coal Mines of Nova Scotia, by Classes, 1938 and 1939

Classification	1938			1939		
	Surface	Underground	Total	Surface	Underground	Total
Administration	54	.....	54	57	.....	57
Foremen and officials	52	691	743	54	685	739
Clerks	116	.....	116	117	.....	117
Screenmen and loaders	662	.....	662	643	.....	643
Handcutters and helpers	.....	725	725	.....	589	589
Machine cutters and helpers	.....	1,040	1,040	.....	1,010	1,010
Machine loaders and helpers	.....	2,508	2,508	.....	2,448	2,448
Horse haulage employees	5	384	389	3	397	400
Mechanical haulage employees	13	1,660	1,673	17	1,575	1,592
Ventilation employees	.....	239	239	.....	237	237
Roadmakers	.....	318	318	.....	324	324
Timbermen	.....	1,147	1,147	.....	1,100	1,100
Pumpmen	2	85	87	3	86	89
Chute loaders	.....	76	76	.....	39	39
Enginemen	188	115	303	180	134	314
Firemen	128	.....	128	124	.....	124
Machinists	193	12	205	198	13	211
Carpenters and masons	126	1	127	119	1	120
Other mechanics	94	245	339	96	267	363
All other employees	499	2,214	2,713	470	2,049	2,519
Total	**2,132**	**11,460**	**13,592**	**2,081**	**10,954**	**13,035**

Table 61.—Capital Employed in the Coal Mines of Nova Scotia, 1938 and 1939

—	1938	1939
Capital employed as represented by—	$	$
Cost of lands, buildings, machinery and tools	35,928,287	33,216,566
Cost of supplies and stock on hand	3,575,722	3,453,405
Cash, trading and operating accounts and bills receivable	5,077,169	8,151,120
Total	**44,581,178**	**44,821,091**

CHAPTER FOUR

NEW BRUNSWICK

Coal output in New Brunswick reached its highest point in 1939; the year's total was 468,421 tons or 27·1 per cent above the 1936 output which was the previous record.

Active mines in this province produced 82 per cent of their possible output as against 67 per cent in the preceding year. Causes other than strikes were responsible for a computed loss in production of 102,392 tons while strikes accounted for an estimated output loss of 602 tons.

New Brunswick mines shipped 462,128 tons of coal in 1939; approximately 38·7 per cent of this quantity was sold for railroad use. The coal sold to railroads included 24,259 tons of run-of-mine, 148,982 tons of lump, 1,143 tons of nut and other grades and 4,446 tons of slack. Purchases direct from the mines by industrial users totalled 234,000 tons made up of 31·2 per cent slack, 36·3 per cent run-of-mine and 19·7 per cent stripping coal.

Mines in this province provided, on the average, employment to 1,284 wage-earners who worked 330,478 shifts or 257 days per man. The average output per man-day in 1939 was 1·42 tons compared with an average of 1·45 tons in 1938.

Table 62.—Output of Coal from New Brunswick Mines, 1887-1939

(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	11,050	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	386,016	*1935	346,024	1,129,019
1898	6,160	9,240	1917	189,095	708,010	*1936	368,618	1,190,032
1899	10,528	15,792	1918	268,212	1,331,710	*1937	364,714	1,180,611
1900	10,000	15,000	*1919	166,377	735,386	*1938	342,238	1,133,346
1901	17,630	51,857	*1920	171,610	1,091,440	*1939	468,421	1,566,359
1902	18,795	39,680	*1921	187,192	920,666			
1903	16,000	40,000	*1922	287,513	1,107,643	**Total**	**6,863,580**	**25,060,344**
1904	9,112	18,224	*1923	276,617	1,196,772			
1905	29,400	58,800	*1924	217,121	932,185			

* For the years 1919-1939 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 63.—Output of Coal from New Brunswick Mines, by Months, 1935-1939

(Short tons)

Month	1935	1936	1937	1938	1939
January	35,198	36,836	40,359	25,855	37,337
February	34,736	39,476	41,362	29,320	42,934
March	37,805	25,089	44,070	37,714	46,164
April	23,298	30,269	34,325	27,487	36,362
May	26,229	27,571	27,896	21,497	36,315
June	22,299	23,585	36,599	24,249	39,827
July	22,069	26,110	32,528	20,056	35,233
August	26,448	22,981	31,260	21,003	34,523
September	22,561	28,843	32,722	26,860	36,827
October	32,605	32,856	17,539	30,028	40,090
November	27,240	36,325	12,172	38,601	43,092
December	35,538	38,677	13,882	38,968	39,717
Total	**346,024**	**368,618**	**364,714**	**342,238**	**468,421**

Table 64.—Output of Coal by Principal Collieries in New Brunswick, 1937-1939 (Average output of 500 tons or more per month)

(Short tons)

Name	Address	1937	1938	1939
Avon Coal Co., Ltd.	Saint John	44,569	39,326	47,113
Evans, W. B. (Rathwell Coal Co., Ltd.)	Minto	29,403	27,136	32,695
Maritime Mining Syndicate	Chipman	11,973	.....	.....
McDougal J. G.	Minto	11,791	7,554	2,481
Minto Coal Co., Ltd.	Minto	81,166	86,461	130,108
Miramichi Lumber Co., Ltd.	Minto	54,810	48,925	74,011
Mitchell, Parker D.	West Saint John	5,326	1,625	.....
Myles & Wisely (formerly Geo. H. Myles & Co.)	Minto	16,564	21,233	13,257
Newcastle Coal Co.	Newcastle Bridge	10,209	13,354	28,261
Welton, Harvey	Minto	9,957	7,997	9,364
Welton & Henderson Ltd.	Minto	68,940	67,954	77,442
Welton, Henderson & King (McAllister Lease)	Chipman	11,350	9,563	25,623
Wisely, W. B.	Chipman	.....	.....	13,917
Yeamans, C. S.	Newcastle Bridge	3,392	6,006	3,919
All other operators	.....	5,264	5,104	10,230
Total	.....	**364,714**	**342,238**	**468,421**

Table 65.—Tonnage Lost in New Brunswick Coal Mines, Showing the Relative Percentage Produced and Lost, with an Analysis of the Percentage Lost, 1938 and 1939

Year	Per cent produced	Per cent lost	Percentage lost through				
			Absenteeism	Lack of orders	Car shortage	Mine disability	Other causes
1938	67	33	2·2	28·2	0·1	1·4	1·1
1939	82	18	2·2	13·2	0·0	1·2	1·4

Table 66.—Disposition of Coal from New Brunswick Mines, by Grades, 1938 and 1939

(Short tons)

—	1938		1939						
	Total		Stripping coal	Run-of-mine	Lump	Nut and other grades	Slack	Total	
	Quantity	Value						Quantity	Value
		$							$
Supplied to employees for domestic consumption	3,753	9,603	.....	5,356	.....	.....	.....	5,356	13,716
Shipped as per Table 67	331,154	1,113,913	52,706	126,773	167,947	7,091	107,611	462,128	1,551,784
Used under colliery boilers, etc.	1,833	5,658	728	1,224	9	.....	506	2,467	7,559
Used by companies' railroads	976	3,145	.....	1,212	.....	.....	.....	1,212	3,283
Put on bank	12,757	34,518	301	1,338	1,590	.....	9,552	12,781	32,762
Put on waste heap	570	.....	.....	.....	.....	.....	.....	1,032	.....
Total disposition	**354,043**	**1,166,837**	**53,735**	**135,903**	**169,546**	**7,091**	**117,669**	**484,976**	**1,609,104**
Lifted from bank	11,865	33,491	279	1,468	1,678	.....	13,130	16,555	42,745
Lifted from waste heap	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total output	**342,238**	**1,133,346**	**53,456**	**134,435**	**167,868**	**7,091**	**104,539**	**468,421**	**1,566,359**

Table 67.—Shipments of Coal from New Brunswick Mines, by Grades and Destination, 1938 and 1939

(Short tons)

Destination	1938						1939					
	Stripping coal	Run-of-mine	Lump	Nut and other grades	Slack	Total	Stripping coal	Run-of-mine	Lump	Nut and other grades	Slack	Total
New Brunswick	14,647	61,196	17,568	3,864	47,311	144,586	21,709	87,273	13,827	5,525	78,199	206,623
Nova Scotia	.....	.....	126	.....	.....	126	.....	.....	98	.....	.....	98
Prince Edward Island	.....	121	1,171	40	.....	1,332	.....	90	996	49	142	1,277
Quebec	16,305	12,156	957	134	244	29,796	30,299	14,668	2,495	342	776	48,580
Ontario	284	.....	.....	.....	.....	284	498	.....	.....	.....	295	793
United States	.....	3,711	1,492	.....	13,634	18,837	110	483	1,054	32	23,753	25,432
Railroads—												
In Canada	.....	30,693	103,656	549	3,713	138,611	.....	24,259	148,982	1,143	4,446	178,830
In United States	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total Railroads	.....	*30,693*	*103,656*	*549*	*3,713*	*138,611*	.....	24,259	148,982	1,143	4,446	178,830
Ships' bunkers	.....	.....	385	197	.....	582	.....	.....	495	.....	.....	495
Total	**31,236**	**107,877**	**125,355**	**4,784**	**64,902**	**334,154**	**52,706**	**126,773**	**167,947**	**7,091**	**107,611**	**462,128**

Table 68.—Exports of Canadian Coal through New Brunswick Ports, 1935-1939

(Short tons)

Port	1935	1936	1937	1938	1939
*Edmundston	.....	.....	.....	44,332	74,969
McAdam Junction	1	38	1	1	1,323
St. Andrews	.....	.....	.....	.....	.....
Saint John	2,454	1,350	.....	.....	.....
St. Stephen	39	4,012	3,528	15,068	30,209
Woodstock	59,036	69,203	81,413	19,064	4,080
Total	**62,130**	**74,603**	**84,942**	**79,665**	**110,581**

*Prior to April, 1938, Edmundston was included with Woodstock.

Table 69.—*Imports into New Brunswick of Anthracite and Bituminous Coal, by Sources and by Ports of Entry, 1938 and 1939

(Short tons)

Port	Source	1938					1939					
		Anthracite			Bituminous, all grades	Total	Anthracite				Bituminous, all grades	Total
		Grate egg, stove, nut, doubles, cobbles and trebles	Peas, beans, and smaller sizes n.o.p.	Total			Grate egg, stove, nut, doubles, cobbles and trebles	Screenings or dust	Peas, beans and smaller sizes n.o.p.	Total		
Bathurst	U.S.	.....	.....	.....	73	73	.....	.....	.....	.....	2,755	2,755
Campbellton	U.S.	50	.....	50	.....	50	.....	.....	.....	.....	.....	.....
	G.B.	.....	.....	.....	.....	.....	793	.....	216	1,009	.....	1,009
Chatham	U.S.	.....	.....	.....	28	28	.....	.....	.....	.....	.....	.....
†Edmundston	U.S.	112	.....	112	42	154	110	.....	.....	110	72	182
Fredericton	U.S.	.....	.....	.....	63	63	.....	.....	.....	.....	96	96
McAdam Junct.	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sackville	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	G.B.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
St. Andrews	U.S.	199	30	229	30	259	102	.....	.....	102	76	178
Saint John	U.S.	14,606	431	15,037	5,648	20,685	21,550	.....	1,167	22,717	6,592	29,309
	G.B.	47,465	2,256	49,721	20,251	69,972	46,183	.....	1,404	47,587	14,987	62,574
	Germany	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
St. Stephen	U.S.	904	.....	904	2,001	2,905	2,508	.....	.....	2,508	4,241	6,749
	G.B.	3,376	.....	3,376	.....	3,376	1,666	.....	.....	1,666	.....	1,666
Woodstock	U.S.	31	.....	31	116	147	110	.....	.....	110	125	235
	G.B.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total	**U.S.**	**15,902**	**461**	**16,363**	**8,001**	**24,364**	**24,380**	.....	**1,167**	**25,547**	**13,957**	**39,504**
	G.B.	**50,841**	**2,256**	**53,097**	**20,251**	**73,348**	**48,642**	.....	**1,620**	**50,262**	**14,987**	**65,249**
	Germany	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Grand total		**66,743**	**2,717**	**69,460**	**28,252**	**97,712**	**73,022**	.....	**2,787**	**75,809**	**28,944**	**104,753**

*The total tonnage received at New Brunswick ports of entry. See page 4, section 2, for explanation.
†Prior to April, 1938, Edmundston was included with Woodstock.

Table 70.—Summary Statistics for New Brunswick in 1939—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					9	10,156
Bituminous	37,337	44,637	4,447	8,773	32	5,791
Total	37,337	44,637	4,447	8,773	41	15,947
February—						
Anthracite					889	11,910
Bituminous	42,934	56,908	2,939	10,404	695	2,915
Total	42,934	56,908	2,939	10,404	1,584	14,825
March—						
Anthracite					407	8,216
Bituminous	46,164	52,253	2,953	11,074	114	1,587
Total	46,164	52,253	2,953	11,074	521	9,803
April—						
Anthracite					2,277	167
Bituminous	36,362	41,251	1,970	7,597	19	2,688
Total	36,362	41,251	1,970	7,597	2,296	2,855
May—						
Anthracite					1,378	4,152
Bituminous	36,315	29,212	3,253	8,908	2,354	.....
Total	36,315	29,212	3,253	8,908	3,732	4,152
June—						
Anthracite					3,231	.....
Bituminous	39,827	33,296	5,185	6,897	1,954	.....
Total	39,827	33,296	5,185	6,897	5,185	.....
July—						
Anthracite					1,419	4,783
Bituminous	35,233	31,566	6,206	7,293	45	.....
Total	35,233	31,566	6,206	7,293	1,464	4,783
August—						
Anthracite					727	2,705
Bituminous	34,523	36,956	5,323	6,066	2,973	.....
Total	34,523	36,956	5,323	6,066	3,700	2,705
September—						
Anthracite					4,149	3,581
Bituminous	36,827	51,455	5,088	8,287	5,563	.....
Total	36,827	51,455	5,088	8,287	9,712	3,581
October—						
Anthracite					6,992	.....
Bituminous	40,090	53,600	3,722	12,111	34	.....
Total	40,090	53,600	3,722	12,111	7,026	.....
November—						
Anthracite					1,401	.....
Bituminous	43,092	61,393	6,704	10,814	99	.....
Total	43,092	61,393	6,704	10,814	1,500	.....
December—						
Anthracite					2,668	4,592
Bituminous	39,717	87,092	2,958	12,357	75	2,006
Total	39,717	87,092	2,958	12,357	2,743	6,598
Total—						
Anthracite					**25,547**	**50,262**
Bituminous	**468,421**	**579,619**	**50,748**	**110,581**	**13,957**	**14,987**
Total	**468,421**	**579,619**	**50,748**	**110,581**	**39,504**	**65,249**

Table 71.—Employees, Salaries and Wages in the Coal Mines of New Brunswick, 1938 and 1939

—	1938	1939
Number of salaried employees—		
Male	35	35
Female	5	7
Number of wage-earners—		
Surface	253	284
Underground	867	1,000
Total	**1,160**	**1,326**
Salaries and wages—		
Salaries	$ 77,562	$ 78,875
Wages	$ 742,884	$ 1,005,509
Total	**$ 820,446**	**$ 1,084,384**

Table 72.—Employment and Earnings in the Coal Mines of New Brunswick, 1935-1939

—	1935	1936	1937	1938	1939
Average number of employees—					
Surface	241	258	273	253	284
Underground	895	900	777	867	1,000
Total	**1,136**	**1,158**	**1,050**	**1,120**	**1,284**
Days' work done—					
Surface	57,118	60,723	66,677	50,433	75,828
Underground	207,811	208,134	190,000	184,959	254,650
Total	**264,929**	**268,857**	**256,677**	**235,392**	**330,478**
Average number of days worked per man per year—					
Surface	237	235	244	199	267
Underground	232	231	245	213	255
By all wage-earners	**231**	**232**	**244**	**210**	**257**
Total wages paid	**$ 729,600**	**$ 768,925**	**$ 756,883**	**$ 742,884**	**1,005,509**

Table 73.—Wage-Earners and Work Done, by Months, in the Coal Mines of New Brunswick, 1939

Month	Number of wage-earners			Days' work done		
	Surface	Underground	Total	Surface	Underground	Total
January	260	1,022	1,282	4,708	19,210	23,918
February	252	1,037	1,289	5,323	23,303	28,626
March	271	1,004	1,275	5,944	24,996	30,940
April	260	1,013	1,273	4,662	19,967	24,629
May	271	969	1,240	5,079	18,350	23,429
June	293	959	1,252	6,224	18,713	24,937
July	319	917	1,236	7,339	17,533	24,872
August	303	925	1,228	7,116	18,093	25,209
September	320	999	1,319	7,370	21,384	28,754
October	321	1,006	1,327	7,587	23,036	30,623
November	321	1,074	1,395	8,085	25,160	33,245
December	313	1,111	1,424	6,391	24,905	31,296
Total				**75,828**	**254,650**	**330,478**

Table 74.—Wage-Earners Employed in the Coal Mines of New Brunswick, by Classes, 1938 and 1939

Classification	1938			1939		
	Surface	Underground	Total	Surface	Underground	Total
Administration	24	.....	24	20	.....	20
Foremen and officials	14	21	35	17	17	34
Clerks	15	.....	15	15	.....	15
Screenmen and loaders	63	.....	63	82	.....	82
Hand cutters and helpers	.....	493	493	.....	602	602
Stripping shovel operators	.....	.....	.....	3	.....	3
Machine cutters and helpers	.....	98	98	.....	89	89
Machine loaders and helpers	.....	148	148	.....	151	151
Chute loaders	.....	2	2	.....	2	2
Horse haulage employees	3	.....	3	4	.....	4
Mechanical haulage employees	6	14	20	2	17	19
Ventilation employees	.....	2	2	.....	2	2
Roadmakers	.....	10	10	1	9	10
Timbermen	2	21	23	.....	24	24
Pumpmen	2	9	11	1	7	8
Enginemen	21	.....	21	20	.....	20
Firemen	4	.....	4	5	.....	5
Machinists	3	.....	3	4	.....	4
Carpenters and masons	9	.....	9	14	.....	14
Other mechanics	5	.....	5	9	.....	9
All other employees	82	49	131	87	80	167
Total	**253**	**867**	**1,120**	**284**	**1,000**	**1,284**

Table 75.—Capital Employed in the Coal Mines of New Brunswick, 1938 and 1939

—	1938	1939
	$	$
Capital employed as represented by—		
Cost of lands, buildings, machinery and tools	628,675	776,612
Cost of supplies and stock on hand	33,159	37,874
Cash, trading and operating accounts and bills receivable	217,532	392,420
Total	**879,366**	**1,206,906**

CHAPTER FIVE

QUEBEC

Quebec depends upon outside sources for its supply of coal. In 1939, the demand for this fuel was satisfied principally by the province of Nova Scotia, the United States, Great Britain and Germany; in addition, smaller tonnages were obtained from the neighbouring province of New Brunswick and from French Indo-China. Nova Scotia supplied 62·3 per cent of the bituminous coal demand in 1939. The quantity of this coal retained in Quebec was 2,256,276 tons; in addition, 1,280,444 tons of Nova Scotia coal were consigned to Montreal and thence trans-shipped to Ontario points. Shipments received from the United States consisted of 596,623 tons of anthracite coal and 1,297,488 tons of bituminous coal (this latter amount includes some coal imported into Ontario and then shipped to Quebec). Great Britain supplied Quebec consumers with 429,049 tons of anthracite coal and 17,178 tons of bituminous coal in 1939. The anthracite tonnage represents only the quantity remaining within the province, as an additional 338,394 tons of this coal were imported through Quebec ports for trans-shipment to Ontario. Germany supplied Quebec with 236,108 tons of anthracite coal

Table 76.—Tonnage of Coal Retained in Quebec for Consumption 1935–1939

(Short tons)

—	1935	1936	1937	1938	1939
ANTHRACITE—					
From—Great Britain	785,725	702,104	607,593	650,468	429,049
Germany	239,016	311,511	238,739	344,557	236,108
Belgium		44,543	8,131	8,873	.....
United States	316,562	261,645	355,734	370,735	596,623
French Indo-China	8,341	58,051	.....	13,373	30,034
Russia	.....	.....	142,605	9,340	.....
Netherlands	.....	8,951	.....	3,629	.....
Morocco	.....	.....	78	19,645	.....
Total	**1,349,644**	**1,386,805**	**1,352,880**	**1,420,620**	**1,291,814**
BITUMINOUS—					
From—Great Britain	293,117	74,328	3,731	14,811	17,178
United States	735,593	873,225	1,359,694	831,781	1,297,488
Germany	.....	7,100	38,382	34,258	.....
Norway, Esthonia, Denmark, Sweden and Newfoundland	341	985	313	.....	20
Total Imported	**1,029,051**	**955,638**	**1,402,120**	**880,850**	**1,314,686**
Nova Scotia (including coal for railroads)	1,721,849	2,207,954	2,231,543	2,320,965	2,256,276
New Brunswick	13,855	20,827	38,557	29,796	48,580
Total Canadian	**1,735,704**	**2,228,781**	**2,270,100**	**2,350,761**	**2,304,856**

Table 77.—Exports of Canadian Coal through Quebec Ports, 1935-1939

(Short tons)

Port	1935	1936	1937	1938	1939
Athelstan					
Coaticook				509	252
Huntingdon				101	211
*Lacolle				53	312
Lake Megantic	2	4	18	1	
Montreal	75	6	1		5
Quebec			38	2	
Rock Island			8		
St. Armand					9,624
St. Johns			10	90	
Sutton		8		14	
Total	**77**	**18**	**75**	**770**	**10,404**

* Prior to April 1938 Lacolle was included with St. John's.

Table 78.—*Imports into Quebec of Anthracite and Bituminous Coal, by Ports of Entry, 1938 and 1939

(Short tons)

Port	Source	1938					1939					
		Anthracite			Bituminous, all grades	Total	Anthracite				Bituminous, all grades	Total
		Grate, egg, stove, nut, doubles, cobbles and trebles	Peas, beans, and smaller sizes n.o.p. and screenings or dust	Total			Grate, egg, stove, nut, doubles, cobbles, and trebles	Screenings or dust	Peas, beans, and smaller sizes n.o.p.	Total		
†Amos	U.S.	42	74	116	34	150						
Athelstan	U.S.											
Chicoutimi	U.S.				4,501	4,501					60,575	60,575
	G.B.	9,443		9,443		9,443	7,405		1,821	9,226		9,226
Coaticook	U.S.	38		38		38			43	43		43
	G.B.											
Drummondville	U.S.		123	123	456	579	78		275	353	411	764
‡Farnham	U.S.	54	132	186	9,209	9,395	226		1,147	1,373	110,431	111,804
Gaspé	U.S.	1,697		1,697		1,697						
Granby	U.S.	208		208	735	943	143		29	172	750	922
Hull	U.S.	4,594	1,161	5,755	128	5,882	4,812		1,111	5,923	319	6,242
Huntingdon	U.S.	53,942	11,890	65,832	13,712	79,544	94,044		47,673	141,717	8,454	150,171
†Lacolle	U.S.	92,158	23,564	115,722	20,062	135,784	246,019	207	44,712	290,938	22,756	313,694
Lake Megantic	U.S.										25	25
Montreal	U.S.	61,310	3,464	64,774	441,503	506,277	37,617		18,577	56,194	696,434	752,628
	G.B.	554,095	363,795	917,890	11,988	929,878	472,681	2,573	282,835	758,089	17,178	775,267
	Germany	289,256	23,268	312,524	28,302	340,826	136,679		99,429	236,108		236,108
	Belgium	8,906		8,906		8,906						
	Netherlands	19,503	1,682	21,185		21,185						
	French Indo-China		27,856	27,856		27,856	14,896		28,641	43,537		43,537
	Russia	14,952		14,952		14,952						
	Morocco	11,679	1,652	13,331		13,331						
	Norway										20	20
	Esthonia											
Paspebiac	U.S.										51,413	51,413

Table 78.—*Imports into Quebec of Anthracite and Bituminous Coal, by Ports of Entry, 1938 and 1939—Concluded

(Short tons)

Port	Source	1938					1939					
		Anthracite			Bituminous, all grades	Total	Anthracite				Bituminous, all grades	Total
		Grate, egg, stove, nut, doubles, cobbles and trebles	Peas, beans, and smaller sizes n.o.p. and screenings or dust	Total			Grate, egg, stove, nut, doubles, cobbles, and trebles	Screenings or dust	Peas, beans, and smaller sizes n.o.p.	Total		
Quebec	U.S.	28,150	.....	28,150	11,968	40,118	31,249	.....	4,920	36,169	86,516	122,685
	G.B.	34,783	29,229	64,012	2,823	66,835	20,038	.....	44,709	64,747	1,124	65,871
	Germany	56,421	.....	56,421	.....	56,421	17,837	.....	17,274	35,111	.....	35,111
	Russia	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Morocco	6,314	.....	6,314	.....	6,314	.....	.....	.....	.....	.....	.....
Rimouski	U.S.	32	.....	32	5,289	5,321	.....	.....	.....	.....	.....	.....
	G.B.	5,357	1,796	7,153	.....	7,153	783	.....	1,216	1,999	.....	1,999
Rock Isl.	U.S.	971	178	1,149	79	1,228	1,261	.....	250	1,511	30	1,541
St. Armand	U.S.	208	75	283	45	328	172	.....	312	484	.....	484
St. Hyacinthe	U.S.	472	43	515	96	611	1,627	.....	901	2,528	66	2,594
St. Johns	U.S.	43,719	11,280	54,999	51,914	106,913	4,787	9,021	198	14,006	6,226	20,232
Shawinigan Falls	U.S.	149	35	184	976	1,160	.....	.....	.....	.....	703	703
Sherbrooke	U.S.	2,321	18,111	20,432	2,105	22,537	2,600	.....	27,728	30,328	1,071	31,399
	G.B.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sorel	U.S.	881	85	966	26,689	27,655	219	.....	148	367	31,742	32,109
	G.B.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Germany	.....	.....	.....	5,956	5,956	3,035	.....	.....	3,035	.....	3,035
	Belgium	112	.....	112	.....	112	.....	.....	.....	.....	.....	.....
Sutton	U.S.	2	.....	2	6	8	2	.....	.....	2	6	8
	G.B.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Three Rivers	U.S.	4,371	1,475	5,846	4,763	10,609	6,025	.....	2,220	8,245	21,701	29,946
	G.B.	13,627	.....	13,627	.....	13,627	1,567	.....	7,952	9,519	.....	9,519
	Germany	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Russia	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Valleyfield	U.S.	3,324	402	3,726	192	3,918	5,083	.....	1,107	6,190	5,704	11,894
	Russia	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
‡Victoriaville	U.S.	.....	.....	.....	250	250	32	.....	48	80	257	337
Total	**U.S.**	**298,643**	**72,692**	**370,735**	**594,712**	**965,447**	**435,996**	**9,228**	**151,399**	**596,623**	**1,105,590**	**1,702,213**
	G.B.	**617,305**	**394,820**	**1,012,125**	**14,811**	**1,026,936**	**502,474**	**2,573**	**338,533**	**843,580**	**18,302**	**861,882**
	Germany	**345,677**	**23,268**	**368,945**	**34,258**	**403,203**	**157,551**	.....	**116,703**	**274,254**	.....	**274,254**
	Belgium	**9,018**	.....	**9,018**	.....	**9,018**	.....	.....	.....	.....	.....	.....
	Netherlands	**19,503**	**1,682**	**21,185**	.....	**21,185**	.....	.....	.....	.....	.....	.....
	French Indo-China	.....	**27,856**	**27,856**	.....	**27,856**	**14,896**	.....	**28,641**	**43,537**	.....	**43,537**
	Russia	**14,952**	.....	**14,952**	.....	**14,952**	.....	.....	.....	.....	.....	.....
	Morocco	**17,993**	**1,652**	**19,645**	.....	**19,645**	.....	.....	.....	.....	.....	.....
	Norway	.....	.....	.....	.....	.....	.....	.....	.....	.....	**20**	**20**
Grand Total	.....	1,323,091	521,370	1,844,461	643,781	2,488,242	1,110,917	11,801	635,276	1,757,994	1,123,912	2,881,906

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

† Prior to April 1938 Amos was included with Quebec and Lacolle with St. Johns.

‡ Prior to June 1938 Farnham was included with St. Johns and Victoriaville with Sherbrooke.

Table 79.—Summary Statistics for Quebec in 1939—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 French Indo-China	Imported from Norway
	†Received from other provinces	Exported					
January—							
Anthracite			28,271				
Bituminous	17,950		14,009				20
Total	17,950		42,280				20
February—							
Anthracite			32,628				
Bituminous	17,659	59	11,943				
Total	17,659	59	44,571				
March—							
Anthracite			36,769				
Bituminous	18,785	110	23,366				
Total	18,785	110	60,135				
April—							
Anthracite			15,377				
Bituminous	103,773	260	21,625				
Total	103,773	260	37,002				
May—							
Anthracite			56,342	188,319	28,199		
Bituminous	482,363	9,286	26,892	5,579			
Total	482,363	9,286	83,234	193,898	28,199		
June—							
Anthracite			37,320	115,072	68,564		
Bituminous	569,861	369	105,988	2,103			
Total	569,861	369	143,308	117,175	68,564		
July—							
Anthracite			39,628	164,341	62,955	8,727	
Bituminous	574,168		112,349	2,246			
Total	574,168		151,977	166,587	62,955	8,727	
August—							
Anthracite			33,117	123,662	64,476		
Bituminous	544,501	202	105,444	1,148			
Total	544,501	202	138,561	124,810	64,476		
September—							
Anthracite			118,974	63,455	44,212	8,838	
Bituminous	441,151		125,480	2,148			
Total	441,151		244,454	65,603	44,212	8,838	
October—							
Anthracite			102,979	77,305	2,372	25,972	
Bituminous	404,954	5	189,265	2,348			
Total	404,954	5	292,244	79,653	2,372	25,972	
November—							
Anthracite			67,236	89,527			
Bituminous	294,003	113	269,630	2,730			
Total	294,003	113	336,866	92,257			
December—							
Anthracite			27,982	21,899	3,476		
Bituminous	77,449		99,599				
Total	77,449		127,581	21,899	3,476		
Total—							
Anthracite			**596,623**	**843,580**	**274,254**	**43,537**	
Bituminous	**3,546,617**	**10,404**	**1,105,590**	**18,302**			**20**
Total	**3,546,617**	**10,404**	**1,702,213**	**861,882**	**274,254**	**43,537**	**20**

* Direct imports into Quebec. †These are direct shipments from Nova Scotia and New Brunswick mines.

CHAPTER SIX

ONTARIO

Ontario's dependence on outside sources for its coal supply closely parallels that of Quebec. The United States is the principal source of supply and, in 1939, provided Central Ontario with 7,861,279 tons of bituminous coal and 1,934,258 tons of anthracite coal. In addition, 173,895 tons were consigned to this area for re-shipment to Quebec. Great Britain supplied Central Ontario with 95,213 tons of anthracite by direct shipment; this quantity was augmented by 338,394 tons trans-shipped from Montreal, Quebec and Saint John, New Brunswick. Receipts of German anthracite coal amounted to 13,671 tons. Direct shipments of bituminous coal from Nova Scotia mines to Ontario totalled 12,801 tons; shipments from stock at Montreal added a further 1,280,444 tons to this supply. Alberta mines supplied Ontario with 23,667 tons of bituminous coal, 20,087 tons of sub-bituminous coal and 46,453 tons of lignite coal. The Crow's Nest Pass district in British Columbia shipped 16,361 tons to Ontario in 1939 compared with 372 tons, a year ago. Saskatchewan producers shipped 16,416 tons of lignite coal to Ontario as against 20,094 tons in 1938.

Table 80.—Tonnage of Coal Retained in Ontario for Consumption, 1935-1939

(Short tons)

—	1935	1936	1937	1938	1939
ANTHRACITE—					
From—Great Britain, imported direct	29,657	51,503	26,607	80,632	95,213
Great Britain, received ex-Montreal*	538,496	480,746	399,010	365,296	338,394
Belgium, imported direct				25,164	
Belgium, received ex-Montreal	29,883	44,441	12,761	145	
Germany, received ex-Montreal				24,388	
Germany, imported direct			73	22,682	13,671
French Indo-China imported direct	29,760				
French Indo-China, received ex-Montreal	16,346	30,651		14,483	13,503
Russia, received ex-Montreal			18,284	5,612	
Netherlands, imported direct		7,280		15,064	
Netherlands, ex-Montreal				17,556	
United States, imported direct	1,310,967	1,388,829	1,603,033	1,570,178	2,066,594
Total	**1,955,109**	**2,003,450**	**2,059,768**	**2,141,200**	**2,527,375**
BITUMINOUS—					
From—Great Britain, imported direct	860		52		
Great Britain, received ex-Montreal	3,164	3,342			
United States	8,325,718	9,044,108	10,788,716	8,517,268	8,350,176
Germany, imported direct			8,724		
Nova Scotia, received ex-mines	5,454	33,705	106,809	33,934	12,801
Nova Scotia, received ex-Montreal	920,970	1,011,511	1,104,383	737,030	1,280,444
New Brunswick, received ex-mines		1,181	3,898	284	793
Alberta (including sub-bituminous)	27,296	26,440	27,445	35,038	43,754
British Columbia	14,274	19,742	20,741	372	16,361
Total	**9,297,736**	**10,140,029**	**12,060,768**	**9,323,926**	**9,704,329**
LIGNITE—					
From—Saskatchewan	4,609	10,009	9,224	20,094	16,416
Alberta	14,274	39,739	35,871	39,800	46,453
Total	**18,883**	**49,748**	**45,095**	**59,894**	**62,869**

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

Table 81.—Exports of Canadian Coal through Ontario Ports, 1935-1939

(Short tons)

Port	1935	1936	1937	1938	1939
Bridgeburg	.....	.....	.....	.....	.....
Fort Frances	106	111	.....	9	29
Niagara Falls	1	.....	1	.....	.....
Sarnia	1	.....	.....	.....	.....
Sault Ste. Marie	.....	.....	.....	2	142
Toronto	.....	.....	.....	.....	.....
Total	**108**	**111**	**1**	**11**	**171**

Table 82.—*Imports into Ontario of Anthracite and Bituminous Coal, by Ports of Entry, 1938 and 1939

(Short tons)

Port	Source	1938			1939					
					Anthracite					
		Anthracite	Bituminous, all grades	Total	Grate, egg, stove, nut, doubles, cobbles and trebles	Screenings or dust	Peas, beans and smaller sizes n.o.p.	Total	Bituminous, all grades	Total
CENTRAL ONTARIO—										
Amherstburg	U.S.	7,547	59,528	67,075	10,899	49	77	11,025	70,889	81,914
Belleville	U.S.	11,943	34,609	46,552	15,986	.....	1,459	17,445	16,644	34,089
Bowmanville	U.S.	5,156	67	5,223	5,763	.....	398	6,161	109	6,270
Brantford	U.S.	37,710	17,165	54,875	38,567	34	5,445	44,046	18,051	62,097
Brockville	U.S.	14,777	23,623	38,400	12,127	.....	3,536	15,663	23,910	39,573
Chatham	U.S.	3,547	519,526	523,073	4,689	.....	193	4,882	474,851	479,733
Cobourg	U.S.	9,433	227,182	236,615	9,763	.....	642	10,405	112,995	123,400
Collingwood	U.S.	4,903	6,113	11,016	5,161	.....	717	5,878	5,191	11,069
Cornwall	U.S.	6,916	10,791	17,707	7,784	.....	982	8,766	24,387	33,153
Fort Erie	U.S.	87,650	23,918	111,568	133,037	45	8,671	141,753	35,620	177,373
Galt	U.S.	22,316	24,385	46,701	26,174	107	1,571	27,852	28,477	56,329
Gananoque	U.S.	4,648	3,010	7,658	3,847	.....	902	4,749	2,441	7,190
	G.B.	.....	.....	.....	.....	.....	.....	.....	.....	.....
Goderich	U.S.	11,878	32,856	44,734	14,257	13	698	14,968	43,100	58,068
Guelph	U.S.	27,070	26,785	53,855	29,766	54	2,302	32,122	26,861	58,983
Hamilton	U.S.	114,999	1,434,044	1,549,043	117,708	114	23,058	140,940	1,364,180	1,505,120
	G.B.	6,616	.....	6,616	.....	.....	.....	.....	.....	.....
	Germany	2,000	.....	2,000	.....	.....	.....	.....	.....	.....
Ingersoll	U.S.	7,821	11,267	19,088	8,499	.....	338	8,837	8,819	17,656
Kenora	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....
Kingston	U.S.	23,620	48,818	72,438	25,678	.....	7,666	33,344	41,045	74,389
	G.B.	1,593	.....	1,593	870	.....	.....	870	.....	870
Kitchener	U.S.	31,426	65,566	96,992	33,853	119	2,638	36,610	64,644	101,254
Lansdowne	U.S.	.....	.....	.....	10	.....	1	11	.....	11
Lindsay	U.S.	6,615	3,880	10,495	7,525	23	497	8,045	3,370	11,415
London	U.S.	42,274	27,285	69,559	47,323	.....	4,793	52,116	24,062	76,178
	G.B.	.....	.....	.....	.....	.....	.....	.....	.....	.....
Midland	U.S.	2,203	266,515	268,718	2,296	.....	431	2,727	198,533	201,260
Morrisburg	U.S.	2,216	29,922	32,138	2,893	.....	119	3,012	9,232	12,244
Napanee	U.S.	3,806	16,098	19,904	3,674	.....	515	4,189	17,400	21,589
Niagara Falls	U.S.	77,901	145,647	223,548	76,786	123	9,092	86,001	138,460	224,461
North Bay	U.S.	5,362	18,909	24,271	5,620	.....	198	5,818	15,394	21,212
Orillia	U.S.	6,137	3,206	9,343	5,466	.....	1,202	6,668	3,264	9,932
Oshawa	U.S.	21,006	38,792	59,798	26,437	.....	1,830	28,267	44,845	73,112
Ottawa	U.S.	45,893	44,785	90,678	50,945	.....	17,483	68,428	21,011	89,439
	G.B.	.....	.....	.....	.....	.....	.....	.....	.....	.....
Owen Sound	U.S.	4,383	22,366	26,749	4,627	.....	272	4,899	20,248	25,147
Paris	U.S.	9,733	8,379	18,112	10,804	.....	727	11,531	6,928	18,459
Parry Sound	U.S.	1,070	381,846	382,916	1,110	.....	109	1,219	318,621	319,840
Peterborough	U.S.	18,114	5,376	23,490	20,308	.....	1,207	21,515	5,691	27,206
Picton	U.S.	3,937	7,656	11,593	5,555	.....	110	5,665	6,142	11,807

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

Table 82.–*Imports into Ontario of Anthracite and Bituminous Coal, by Ports of Entry, 1938 and 1939—Concluded

(Short tons)

Port	Source	1938			1939					
					Anthracite					
		Anthracite	Bituminous, all grades	Total	Grate, egg, stove, nut, doubles, cobbles and trebles	Screenings or dust	Peas, beans and smaller sizes n.o.p.	Total	Bituminous, all grades	Total
CENTRAL ONTARIO—										
Port Hope	U.S.	7,141	17,032	24,173	8,003	.....	343	8,346	21,270	29,616
Port McNicoll	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....
Prescott	U.S.	8,793	515,897	524,690	9,033	.....	2,261	11,294	517,084	528,378
St. Catharines	U.S.	38,959	160,256	199,215	46,861	24	3,738	50,623	115,907	166,530
St. Thomas	U.S.	15,642	106,562	122,204	17,924	.....	456	18,380	152,355	170,735
Sarnia	U.S.	2,669	597,953	600,622	3,257	5,058	82	8,397	633,362	641,759
Sault Ste. Marie	U.S.	527	727,766	728,293	3,309	.....	249	3,558	910,309	913,867
	G.B.	.....	.....	.....	.....	.....	.....	.....	.....	.....
Simcoe	U.S.	5,149	13,590	18,739	6,428	.....	177	6,605	16,627	23,232
Stratford	U.S.	49,834	29,888	79,722	54,619	59	7,043	61,721	31,814	93,535
	G.B.	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sudbury	U.S.	7,431	8,669	16,100	6,680	.....	708	7,388	7,985	15,373
Tillsonburg	U.S.	3,760	282,244	286,004	4,056	.....	84	4,140	273,167	277,307
Toronto	U.S.	638,447	1,037,320	1,675,767	656,046	628	85,966	742,640	1,205,107	1,947,747
	G.B.	70,911	.....	70,911	35,292	.....	58,051	94,343	.....	94,343
	Germany	20,682	.....	20,682	5,815	.....	7,856	13,671	.....	13,671
	Belgium	25,164	.....	25,164	.....	.....	.....	.....	.....	.....
	Netherlands	15,064	.....	15,064	.....	.....	.....	.....	.....	.....
†Toronto West	U.S.	27,086	9,229	36,315	28,020	52	4,388	32,460	5,376	37,836
Trenton	U.S.	4,291	18,753	23,044	5,703	.....	248	5,951	21,704	27,655
†Walkerville	U.S.	4,784	68,052	72,836	16,014	353	204	16,571	84,376	100,947
Wallaceburg	U.S.	493	11,358	11,851	639	.....	.....	639	19,109	19,748
Welland	U.S.	29,904	226,230	256,134	36,064	.....	6,944	43,008	249,230	292,238
Whitby	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....
Windsor	U.S.	12,175	549,127	561,302	16,820	.....	1,150	17,970	562,343	580,318
Woodstock	U.S.	14,476	11,871	26,347	17,523	46	1,441	19,010	12,629	31,639
TOTAL FOR CENTRAL ONTARIO	U.S.	1,555,571	7,981,712	9,537,283	1,711,996	6,901	215,361	1,934,258	8,035,174	9,969,432
	G.B.	79,120	.....	79,120	37,162	.....	58,051	95,213	.....	95,213
	Germany	22,682	.....	22,682	5,815	.....	7,856	13,671	.....	13,671
	Belgium	25,164	.....	25,164	.....	.....	.....	.....	.....	.....
	Netherlands	15,064	.....	15,064	.....	.....	.....	.....	.....	.....
TOTAL HEAD OF LAKES										
Fort Frances	U.S.	69	56,806	56,875	61	114	122	297	53,772	54,069
Fort William	U.S.	14,538	698,371	712,909	14,184	30	4,245	18,459	528,887	547,346
	G.B.	1,512	.....	1,512	.....	.....	.....	.....	.....	.....
Port Arthur	U.S.	.....	113,746	113,746	.....	.....	.....	.....	77,532	77,532
TOTAL HEAD OF LAKES	U.S.	14,607	868,923	883,530	14,245	144	4,367	18,756	660,191	678,947
	G.B.	1,512	.....	1,512	.....	.....	.....	.....	.....	.....
Total for Ontario	**U.S.**	1,570,178	8,850,635	10,420,813	1,726,241	7,045	219,728	1,953,014	8,695,365	10,618,379
	G.B.	80,632	.....	80,632	37,162	.....	58,051	95,213	.....	95,213
	Germany	22,682	.....	22,682	5,815	.....	7,856	13,671	.....	13,671
	Belgium	25,164	.....	25,164	.....	.....	.....	.....	.....	.....
	Netherlands	15,064	.....	15,064	.....	.....	.....	.....	.....	.....
Grand total	.....	1,713,720	8,850,635	10,564,355	1,769,218	7,045	285,635	2,061,898	8,695,365	10,757,263

*The total tonnage received at Ontario ports of entry. See page 4, section 2, for explanation
†Prior to Jan. 1938 Toronto West included with Toronto and Walkerville was included with Windsor.

Table 83.—Summary Statistics for Ontario in 1939—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									
	†Received from other provinces	Exported	Imported from U.S.A.	Imported from Great Britain	Imported from Germany	Coal available for consumption	Received from other provinces	Imported from United States	Imported from Great Britain	Coal available for consumption
January—										
Anthracite			146,591	2,106		148,697		55		148,752
Bituminous			243,034			243,034	2,574	5,109		250,717
Sub-bituminous							2,976			2,976
Lignite							10,098			10,098
Total			389,625	2,106		391,731	15,648	5,164		412,543
February—										
Anthracite			141,318			141,318		36		141,354
Bituminous	172	71	211,027			211,128	2,206	4,339		217,673
Sub-bituminous							2,598			2,598
Lignite							7,451			7,451
Total	172	71	352,345			352,446	12,255	4,375		369,076
March—										
Anthracite			163,708			163,708				163,708
Bituminous	152	39	284,533			284,646	4,100	5,395		294,141
Sub-bituminous							1,362			1,362
Lignite							3,678			3,678
Total	152	39	448,241			448,354	9,140	5,395		462,889
April—										
Anthracite			103,694			103,694				103,694
Bituminous	152		114,058			114,210	4,140	2,370		120,720
Sub-bituminous							64			64
Lignite							792			792
Total	152		217,752			217,904	4,996	2,370		225,270
May—										
Anthracite			263,300	34,440		297,740				297,740
Bituminous	2,589		156,568			159,157	3,373	16,581		179,111
Sub-bituminous							63			63
Lignite							1,188			1,188
Total	2,589		419,868	34,440		456,897	4,624	16,581		478,102
June—										
Anthracite			216,522	11,454		227,976		4,245		232,221
Bituminous	5,009		764,597			769,606	509	33,260		803,375
Sub-bituminous										
Lignite							697			697
Total	5,009		981,119	11,454		997,582	1,206	37,505		1,036,293
July—										
Anthracite			135,511	21,724	6,113	163,348		4,846		168,194
Bituminous			923,796			923,796	660	91,264		1,015,720
Sub-bituminous							168			168
Lignite							1,745			1,745
Total			1,059,307	21,724	6,113	1,087,144	2,573	96,110		1,185,827
August—										
Anthracite			102,944	4,287		107,231		4,489		111,720
Bituminous	118		1,056,464			1,056,582	729	110,394		1,167,705
Sub-bituminous							621			621
Lignite							1,630			1,630
Total	118		1,159,408	4,287		1,163,813	2,980	114,883		1,281,676

Table 83.—Summary Statistics for Ontario in 1939—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 Germany	Coal available for consumption	Received from other provinces	Imported from United States	Imported from Great Britain	Coal available for consumption
	†Received from other provinces	Exported								
September—										
Anthracite			235,840	6,667	7,558	250,065		122		250,187
Bituminous		32	1,039,100			1,039,068	2,399	68,657		1,110,124
Sub-bituminous							2,668			2,668
Lignite							7,283			7,283
Total		32	1,274,940	6,667	7,558	1,289,133	12,350	68,779		1,370,262
October—										
Anthracite			232,417	9,258		241,675		3,077		244,752
Bituminous	83		1,188,214			1,188,297	8,391	90,259		1,286,947
Sub-bituminous							3,723			3,723
Lignite							8,822			†18,793
Total	83		1,420,631	9,258		1,429,972	20,936	93,336		††1,541,215
November—										
Anthracite			113,365	5,277		118,642		1,886		120,528
Bituminous	47		1,219,631			1,219,678	8,061	108,792		1,336,531
Sub-bituminous							3,337			3,337
Lignite							12,234			12,234
Total	47		1,332,996	5,277		1,338,320	23,632	170,678		1,532,630
December—										
Anthracite			79,048			79,048				79,048
Bituminous	5,272		834,152			839,424	2,886	63,771		906,081
Sub-bituminous							2,507			2,507
Lignite							7,251			7,251
Total	5,272		913,200			918,472	12,644	63,771		994,887
Total—										
Anthracite			1,934,258	85,213	13,671	2,043,142		18,756		2,061,898
Bituminous	13,594	142	8,035,171			8,048,626	40,028	660,191		8,748,845
Sub-bituminous							20,087			20,087
Lignite							62,869			††62,840
Total	13,594	142	9,969,432	85,213	13,671	10,091,768	122,984	678,947		††10,893,670

*Direct imports into Ontario. See text for transhipments from Quebec.
†Direct shipments from mines.
††Head of Lakes exported 29 tons of lignite coal.

CHAPTER SEVEN

MANITOBA

Manitoba mines near Deloraine produced 1,138 tons of lignite coal in 1939; during the preceding year, 2,016 tons were mined.

Alberta, Saskatchewan, British Columbia and the United States are the principal sources of Manitoba's coal supply. In 1939, Alberta supplied the Manitoba market with 165,374 tons of bituminous coal, 70,414 tons of sub-bituminous coal and 173,036 tons of lignite coal. Saskatchewan shipped 452,051 tons of lignite coal to Manitoba consumers. Shipments received from the Crow's Nest Pass district, British Columbia, amounted to 64,483 tons; a year ago, 59,454 tons were received from this source.

Imports of coal into Manitoba are cleared, in the main part, through the Head of Lakes ports. During 1939, receipts at these ports totalled 678,947 tons while direct importations into Manitoba amounted to 19,745 tons.

Table 84.—Disposition of Coal from Manitoba Mines, by Grades, 1938 and 1939

(Short tons)

Disposition	1938		1939	
	Quantity	Value	Quantity	Value
		$		$
Supplied to employees for domestic consumption	31	83	18	49
Shipped	1,789	5,237	954	2,721
Used under colliery boilers	196	340	146	340
Put on waste heap	.....	.....	20	.....
Total disposition	**2,016**	**5,660**	**1,138**	**3,110**

Table 85.—Exports of Canadian Coal through Manitoba Ports, 1935-1939

(Short tons)

Port	1935	1936	1937	1938	1939
Brandon	188	192	37	24	74
Emerson	38	108	43	90	14
Gretna	.....	.....	.....	2	12
Winnipeg	377	820	814	611	558
Total	**603**	**1,120**	**894**	**727**	**658**

Table 86.—*Imports into Manitoba and the Head of Lakes, of Anthracite, Bituminous and Lignite Coal, by Ports of Entry, 1938 and 1939

(Short tons)

Port	Source	1938				1939						
						Anthracite						
		Anthracite	Bituminous, all grades	Lignite	Total	Grate, egg, stove, nut, doubles, cobbles, and treibles	Screenings or dust	Peas, beans and smaller sizes n.o.p.	Total	Bituminous, all grades	Lignite	Total
MANITOBA—												
Brandon	U.S.	.....	96	29	125	.....	.....	.....	.....	164	14	178
Emerson	U.S.	.....	42	.....	42	.....	.....	.....	.....	.....	.....	.....
Gretna	U.S.	.....	.....	59	59	.....	.....	.....	.....	.....	.....	.....
Portage la Prairie	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Winnipeg	U.S.	4,674	8,923	.....	13,597	297	.....	4,399	4,696	14,423	.....	19,119
	G.B.	.....	.....	.....	.....	.....	.....	.....	.....	448	.....	448
Total for Manitoba	**U.S.**	**4,674**	**9,061**	**88**	**13,823**	**297**	.....	**4,399**	**4,696**	**14,587**	**14**	**19,297**
	G.B.	.....	.....	.....	.....	.....	.....	.....	.....	448	.....	448
Total		**4,674**	**9,061**	**88**	**13,823**	**297**	.....	**4,399**	**4,696**	**15,035**	**14**	**19,745**
HEAD OF LAKES—												
Fort Frances	U.S.	69	56,806	.....	56,875	61	114	122	297	53,772	.....	54,069
Fort William	U.S.	14,538	698,371	.....	712,909	14,184	30	4,245	18,459	528,887	.....	547,346
	G.B.	1,512	.....	.....	1,512	.....	.....	.....	.....	.....	.....	.....
Port Arthur	U.S.	.....	113,746	.....	113,746	.....	.....	.....	.....	77,532	.....	77,532
Total Head of Lakes	**U.S.**	**14,607**	**868,923**	.....	**883,530**	**14,245**	**144**	**4,367**	**18,756**	**660,191**	.....	**678,947**
	G.B.	**1,512**	.....	.....	**1,512**	.....	.....	.....	.....	.....	.....	.....
Total		**16,119**	**868,923**	.....	**885,042**	**14,245**	**144**	**4,367**	**18,756**	**660,191**	.....	**678,947**
Total for Manitoba and Head of Lakes	**U.S.**	**19,281**	**877,984**	**88**	**897,353**	**14,542**	**144**	**8,766**	**23,452**	**674,778**	**14**	**698,244**
	G.B.	**1,512**	.....	.....	**1,512**	.....	.....	.....	.....	448	.....	448
Grand Total		**20,793**	**877,984**	**88**	**898,865**	**14,542**	**144**	**8,766**	**23,452**	**675,226**	**14**	**698,692**

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

Table 87.—Summary Statistics for Manitoba in 1939.—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	.....	.....	.....	604	.....	604
Bituminous	.....	21,311	104	1,038	.....	22,245
Sub-bituminous	.....	11,862	.....	.....	.....	11,862
Lignite	221	93,360	.....	6	.....	93,587
Total	221	126,533	104	1,648	.....	128,298
February—						
Anthracite	.....	.....	.....	445	.....	445
Bituminous	.....	25,592	.....	713	.....	26,305
Sub-bituminous	.....	8,346	.....	.....	.....	8,346
Lignite	189	108,275	14	5	.....	108,455
Total	189	142,213	14	1,163	.....	143,551
March—						
Anthracite	.....	.....	.....	571	.....	571
Bituminous	.....	20,882	79	1,382	.....	22,185
Sub-bituminous	.....	3,904	.....	.....	.....	3,904
Lignite	.....	54,448	79	.....	.....	54,369
Total	.....	79,234	158	1,953	.....	81,029

Table 87.—Summary Statistics for Manitoba in 1939—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				305		305
Bituminous		13,331	5	422		13,748
Sub-bituminous		2,355				2,355
Lignite		18,722				18,722
Total		34,408	5	727		35,130
May—						
Anthracite				236		236
Bituminous		14,310		347		14,657
Sub-bituminous		973				973
Lignite		14,105	86	3		14,022
Total		29,388	86	586		29,888
June—						
Anthracite				363		363
Bituminous		14,796		1,039		15,835
Sub-bituminous		213				213
Lignite		16,027				16,027
Total		31,030		1,402		32,438
July—						
Anthracite				376		376
Bituminous		12,271		917		13,188
Sub-bituminous		163				163
Lignite		12,320				12,320
Total		24,754		1,293		26,047
August—						
Anthracite				338		338
Bituminous		12,938		639		13,577
Sub-bituminous		3,472				3,472
Lignite		17,013				17,013
Total		33,423		977		34,400
September—						
Anthracite				427		427
Bituminous		19,658		3,310		22,968
Sub-bituminous		5,486				5,486
Lignite		48,174				48,174
Total		73,318		3,737		77,055
October—						
Anthracite				341		341
Bituminous		25,768	81	2,431	448	28,566
Sub-bituminous		13,364				13,364
Lignite		74,176				74,176
Total		113,308	81	2,772	448	116,447
November—						
Anthracite				351		351
Bituminous		23,867	129	1,806		25,544
Sub-bituminous		10,729				10,729
Lignite	390	91,700				92,090
Total	390	126,296	129	2,157		128,714
December—						
Anthracite				339		339
Bituminous		25,133	81	543		25,595
Sub-bituminous		9,547				9,547
Lignite	338	76,767				77,105
Total	338	111,447	81	882		112,586
Total—						
Anthracite				**4,696**		**4,696**
Bituminous		**229,857**	**479**	**14,587**	**448**	**244,413**
Sub-bituminous		**70,414**				**70,414**
Lignite	**1,138**	**625,087**	**179**	**14**		**626,060**
Total	**1,138**	**925,358**	**658**	**19,297**	**448**	**945,583**

Table 88.—Employment and Earnings in the Coal Mines of Manitoba, 1938 and 1939

—	1938	1939
Average number of wage-earners—		
Surface		1
Underground	5	3
Total	5	4
Days' work done—		
Surface		275
Underground	1,336	655
Total	1,336	930
Average number of days worked per man per year—		
Surface		275
Underground	267	218
By all wage-earners	267	233
Total wages paid	$ 4,186	$ 2,232

Table 89.—Wage-Earners Employed and Work Done, by Months, in the Coal Mines of Manitoba, in 1938 and 1939

Month	Number of employees			Days' work done		
	Surface	Underground	Total	Surface	Underground	Total
1938						
January		12	12		284	284
February		12	12		276	276
March		12	12		176	176
October		8	8		200	200
November		8	8		200	200
December		8	8		200	200
Total					1,336	1,336
1939						
January	3	8	11	70	140	210
February	3	6	9	55	90	145
March						
April						
September						
October						
November	3	9	12	75	225	300
December	3	8	11	75	200	275
Total				275	655	930

CHAPTER EIGHT

SASKATCHEWAN

Production from Saskatchewan coal mines increased annually from 1934 to 1937; however, declines were recorded in 1938 and 1939. During 1939, the output amounted to 960,000 tons. Eighty-five per cent of the possible output of the active mines in this province was produced during the year; lack of orders accounted for 14·3 per cent of the output loss. Strikes caused an additional loss of 14,000 man-days' work in 1939 or an estimated production loss of 81,945 tons; other causes were responsible for a time loss of 42,654 man-days and a computed output loss of 166,773 tons.

Saskatchewan mines shipped 434,891 tons of coal in 1939 for use within the province; this represented 48·1 per cent of the total tonnage shipped. Shipments to the Manitoba market amounted to 452,051 tons compared with 453,143 tons in 1938. Other shipments from the mines consisted of 16,416 tons to Ontario and 802 tons to the United States.

Sales of coal to retail coal dealers in 1939 totalled 533,000 tons; approximately 27·6 per cent of this coal was classed as cobble, 20·6 per cent as nut, 17·6 per cent as slack, 12·1 per cent as lump and the remainder as pea, run-of-mine and egg. Industrial consumers purchased 238,000 tons direct from the mines and domestic users, including employees, 132,000 tons.

Table 90.—Output of Coal from Saskatchewan Mines, 1887-1939

Calendar year	Short tons	Value	Calendar year	Short tons	Value	Calendar year	Short tons	Value
		$			$			$
1887	(a) 400	800	1906	108,398	164,146	*1924	479,118	886,668
1888			1907	151,232	262,437	*1925	471,965	870,875
1889			1908	150,556	253,790	*1926	439,803	819,805
1890	200	200	1909	192,125	296,333	*1927	470,216	868,867
1891			1910	181,156	293,929	*1928	471,713	831,491
1892	5,400	9,325	1911	206,779	347,248	*1929	580,189	993,226
1893	8,325	12,485	1912	225,342	368,135	*1930	579,424	968,863
1894	(b) 15,051	15,153	1913	212,897	358,192	*1931	662,836	945,259
1895	15,769	31,538	1914	232,299	374,245	*1932	887,139	1,229,449
1896	16,706	25,059	1915	240,107	365,240	*1933	927,649	1,285,996
1897	25,000	37,500	1916	281,300	441,836	*1934	909,288	1,241,130
1898	25,000	37,500	1917	355,445	662,451	*1935	921,785	1,293,668
1899	25,000	37,500	1918	346,847	722,148	*1936	1,020,792	1,463,686
1900	40,500	60,750	*1919	379,347	819,390	*1937	1,049,348	1,494,337
1901	45,000	72,000	*1920	335,222	797,828	*1938	1,022,166	1,380,416
1902	70,400	112,640	*1921	335,632	823,180	*1939	960,000	1,255,862
1903	116,703	169,618	*1922	382,437	802,053			
1904	124,885	187,021	*1923	438,100	858,448	Total	17,250,587	27,792,650
1905	107,596	152,334						

(a) From Turtle Mountain district, Manitoba.
(b) Including a small quantity from the Turtle Mountain district, Manitoba.
*For the years 1919-1939 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 91.—Output of Coal from Saskatchewan Mines, by Months, 1935-1939

(Short tons)

Month	1935	1936	1937	1938	1939
January	145,695	147,055	150,436	135,401	138,084
February	79,756	149,828	115,006	123,097	151,399
March	79,243	69,906	79,100	63,731	89,470
April	45,149	46,173	45,661	41,151	29,114
May	28,942	27,765	23,538	29,902	19,067
June	23,589	26,453	22,906	23,984	31,658
July	23,952	26,415	21,948	24,907	25,815
August	33,982	30,526	30,139	44,086	38,029
September	53,375	80,956	87,457	67,439	74,621
October	132,740	161,727	160,331	134,576	110,343
November	153,369	119,862	150,158	180,589	139,270
December	121,993	134,126	162,668	152,643	113,130
Total	921,785	1,020,792	1,049,348	1,022,166	960,000

Table 92.—Output of Coal by Principal Collieries in Saskatchewan for 1937-1939 (Average of 500 tons or more per month)

(Short tons)

Name	Address	1937	1938	1939
Banks, H.	Pinto	13,157	9,566	14,755
Baniulis Bros.	Bienfait	5,715	13,361	12,955
Bienfait Mines, Ltd.	Bienfait	109,018	123,605	56,605
Eastern Collieries of Bienfait, Ltd.	Estevan	73,280	63,456	30,013
High Test Lignite Coal Co. Ltd.	Bienfait	12,276	9,425	21,356
Jenish Bros.	Estevan	9,655	7,634	9,156
Lignite Coal Mines, Ltd.	Pinto	39,106	41,381	25,326
Manitoba and Saskatchewan Coal Co., Ltd.	503 Avenue Block, Winnipeg, Man.	216,390	220,895	199,394
Matheson & Uhrich	Pinto	9,723	9,140	10,806
North West Coal Co. (D. Bozak)	Bienfait	7,248	10,162	12,717
Roche Percee Coal Mining Co. Ltd.	Roche Percee	24,818	10,350	14,048
Rock Springs Coal Co. (c/o M. Rohatyn)	Taylorton	10,789	12,072	14,339
Siddall & Mitchell	Roche Percee	7,339	2,744	.....
Truax Traer Coal Co., Ltd.	Estevan	224,880	206,927	68,537
Western Dominion Coal Mines Ltd.	Bienfait	160,201	168,497	362,291
Ziegigansberger, F.	Roche Percee	3,104	5,486	6,533
All other operators	.....	122,649	107,455	101,169
Total	.....	**1,049,348**	**1,022,166**	**969,000**

Table 93.—Tonnage Lost in Saskatchewan Coal Mines, Showing the Relative Percentage Produced and Lost, with an Analysis of the Percentage Lost, 1938 and 1939

Year	Per cent produced	Per cent lost	Percentage lost through				
			Absenteeism	Lack of orders	Car shortage	Mine disability	Other causes
1938	73	27	.....	26·8	.....	0·1	0·1
1939	85	15	0·2	14·3	.....	0·2	0·3

Table 94.—Disposition of Coal from Saskatchewan Mines, by Grades, 1938 and 1939

(Short tons)

Disposition	1938		1939					
	Total		Run-of-mine	Cobble and lump	Nut and other grades	Slack	Total	
	Quantity	Value					Quantity	Value
		$						$
Supplied to employees for domestic consumption	2,540	3,739	1,214	851	4	13	2,082	3,036
Shipped as per Table 95	961,526	1,345,804	125,242	237,530	342,072	199,316	904,160	1,225,530
Used under colliery boilers, etc.	24,430	18,807	57	439	469	13,596	14,561	10,906
Used in making briquettes	.....	.....	.....	.....	.....	.....	.....	.....
Used by companies' railroads	9,179	13,222	.....	6,793	1,250	.....	8,043	11,109
Put on bank	8,135	8,325	83	6,719	6,534	10,275	23,611	23,687
Put on waste heap	25,879	.....	.....	.....	.....	.....	25,869	.....
Total disposition	**1,031,689**	**1,389,897**	**126,596**	**252,332**	**350,329**	**223,200**	**978,326**	**1,274,268**
Lifted from bank	9,523	9,481	30	3,782	5,075	8,983	17,870	18,406
Lifted from waste heap	.....	.....	.....	.....	.....	.....	456	.....
Total output	**1,022,166**	**1,380,416**	**126,566**	**248,550**	**345,254**	**214,217**	**960,000**	**1,255,862**

Table 95.—Shipments of Coal from Saskatchewan Mines, by Grades and Destination, 1938 and 1939

(Short tons)

Destination	1938					1939				
	Run-of-mine	Cobble and lump	Nut and other grades	Slack	Total	Run-of-mine	Cobble and lump	Nut and other grades	Slack	Total
Saskatchewan	115,289	132,479	184,149	54,302	**486,219**	105,588	112,323	144,793	72,187	**434,891**
Alberta	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
British Columbia	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Manitoba	15,109	142,053	197,958	98,023	**453,143**	19,073	124,821	182,977	125,180	**452,051**
Ontario	536	193	15,991	3,374	**20,094**	170	74	14,223	1,949	**16,416**
United States	490	206	.....	.....	**696**	411	312	79	.....	**802**
Railroads—										
In Canada	.....	151	1,024	199	**1,374**	.....	.....	.....	.....	.....
In United States	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total	**131,424**	**275,082**	**399,122**	**155,898**	**961,526**	**125,242**	**237,530**	**342,072**	**199,316**	**904,160**

Table 96.—Exports of Canadian Coal through Saskatchewan Ports, 1935-1939

(Short tons)

Port	1935	1936	1937	1938	1939
Moose Jaw	1,339	678	491	700	1,077
North Portal	1,781	2,194	1,334	2,859	1,994
Regina	273	886	378	144	96
Total	**3,393**	**3,758**	**2,203**	**3,703**	**3,167**

Table 97.—*Imports into Saskatchewan of Anthracite, Bituminous and Lignite Coal, by Ports of Entry, 1938 and 1939

(Short tons)

Port	Source	1938				1939						
						Anthracite						
		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.	Total	Bituminous, all grades	Lignite	Total
Moose Jaw	U.S.	.....	102	59	161	.....	.....	.....	.....	77	453	530
North Portal	U.S.	39	35	144	218	.....	.....	.....	.....	43	388	431
Prince Albert	U.S.	.....	30	.....	30	.....	.....	.....	.....	67	.....	67
Regina	U.S.	.....	216	42	258	.....	.....	.....	.....	208	22	230
	G.B.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Saskatoon	U.S.	.....	400	.....	400	.....	.....	.....	.....	467	.....	467
Total	**U.S.**	**39**	**783**	**245**	**1,067**	.....	.....	.....	.....	**862**	**863**	**1,725**
	G.B.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Grand Total	.....	**39**	**783**	**245**	**1,067**	.....	.....	.....	.....	**862**	**863**	**1,725**

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

Table 98. — Summary Statistics for Saskatchewan in 1939—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—						
Anthracite						
Bituminous		6,830		32		6,798
Sub-bituminous		2,749				2,749
Lignite	138,084	106,651	71,951	826		171,958
Total	138,084	116,230	71,951	858		181,505
February—						
Anthracite						
Bituminous		7,474		17	33	7,490
Sub-bituminous		2,698				2,698
Lignite	151,399	126,202	83,262	53	11	194,297
Total	151,399	136,374	83,262	70	44	204,485
March—						
Bituminous		6,473		28		6,445
Sub-bituminous		1,768				1,768
Lignite	89,470	73,560	48,567	50	18	114,437
Total	89,470	81,807	48,567	78	18	122,650
April—						
Anthracite						
Bituminous		3,625		13	72	3,684
Sub-bituminous		1,524				1,524
Lignite	29,114	24,597	14,791	58	5	38,867
Total	29,114	29,746	14,791	71	77	44,075
May—						
Anthracite						
Bituminous		2,785		5		2,780
Sub-bituminous		1,937				1,937
Lignite	19,067	13,882	13,487	15	89	19,536
Total	19,067	18,604	13,487	20	89	24,253
June—						
Bituminous		2,200			218	2,418
Sub-bituminous		513				513
Lignite	31,658	14,672	15,018	9		31,303
Total	31,658	17,385	15,018	9	218	34,234
July—						
Anthracite						
Bituminous		2,102		6	133	2,229
Sub-bituminous		106				106
Lignite	25,815	16,685	11,683	15		30,802
Total	25,815	18,893	11,683	21	133	33,137
August—						
Anthracite						
Bituminous		3,021		7	303	3,317
Sub-bituminous		1,188				1,188
Lignite	38,029	42,093	12,997	3		67,122
Total	38,029	46,302	12,997	10	303	71,627
September—						
Anthracite						
Bituminous		6,290		120		6,170
Sub-bituminous		3,492				3,492
Lignite	74,621	112,353	30,776	87		156,111
Total	74,621	122,135	30,776	207		165,773
October—						
Anthracite						
Bituminous		7,999		1	30	8,028
Sub-bituminous		4,648				4,648
Lignite	110,343	203,276	41,139	299	79	272,260
Total	110,343	215,923	41,139	300	109	284,936

Table 98. — Summary Statistics for Saskatchewan in 1939—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						
Bituminous		5,104		105		4,999
Sub-bituminous		3,671				3,671
Lignite	139,270	159,525	62,357	756	540	236,228
Total	139,270	168,300	62,357	861	540	244,898
December—						
Anthracite						
Bituminous		4,410		89	73	4,394
Sub-bituminous		2,985				2,985
Lignite	113,130	74,630	62,439	573	115	124,863
Total	113,130	82,025	62,439	662	188	132,242
Total—						
Anthracite						
Bituminous		58,313		423	862	58,752
Sub-bituminous		27,279				27,279
Lignite	**960,000**	**968,132**	**468,467**	**2,744**	**863**	**1,457,784**
Total	**960,000**	**1,053,724**	**468,467**	**3,167**	**1,725**	**1,543,815**

Table 99. — Employees, Salaries and Wages in the Coal Mines of Saskatchewan, 1938 and 1939

—	1938	1939
Number of salaried employees—		
Male	58	54
Female	9	5
Number of wage-earners—		
Surface	256	211
Underground	585	456
Total	**908**	**726**
Salaries and wages—		
Salaries	$ 116,802	$ 83,153
Wages	$ 610,475	$ 533,625
Total	**$ 727,277**	**$ 616,778**

Table 100.—Employment and Earnings in the Coal Mines of Saskatchewan, 1935-1939

—	1935	1936	1937	1938	1939
Average number of wage-earners—					
Surface	241	254	255	256	211
Underground	572	593	619	585	456
Total	**813**	**847**	**874**	**841**	**667**
Days' work done—					
Surface	51,561	61,190	59,312	60,695	57,291
Underground	116,202	133,946	141,445	134,298	106,722
Total	**167,763**	**195,136**	**200,757**	**194,993**	**164,013**
Average number of days worked per man per year—					
Surface	214	241	233	337	272
Underground	203	226	229	230	234
By all wage-earners	**206**	**230**	**229**	**232**	**246**
Total wages paid	**$ 519,282**	**$ 608,197**	**$ 602,865**	**$ 610,475**	**$ 533,625**

Table 101.—Wage-Earners Employed, and Work Done, by Months, in the Coal Mines of Saskatchewan in 1939

Month	Number of wage-earners			Days' work done		
	Surface	Underground	Total	Surface	Underground	Total
January	306	822	1,128	7,275	18,571	25,846
February	297	791	1,088	7,716	18,628	26,344
March	267	648	915	5,688	10,908	16,596
April	96	283	379	2,227	4,631	6,858
May	73	182	255	1,317	2,840	4,157
June	118	186	304	2,509	3,408	5,917
July	115	186	301	2,752	2,610	5,362
August	138	200	338	2,858	3,810	6,668
September	212	379	591	4,270	7,453	11,723
October	274	719	993	6,067	13,845	19,912
November	318	497	815	7,574	10,739	18,313
December	312	561	873	7,038	9,279	16,317
Total				**57,291**	**106,722**	**164,013**

Table 102.—Wage-Earners in the Coal Mines of Saskatchewan, by Classes, 1938 and 1939

Classification	1938			1939		
	Surface	Underground	Total	Surface	Underground	Total
Administration	8		8	5		5
Foreman and officials	15	18	33	9	16	25
Clerks	19		19	15		15
Screenmen and loaders	49		49	49		49
Stripping shovel operators	2		2	8		8
Hand cutters and helpers		298	298		230	230
Machine cutters and helpers		38	38		29	29
Machine loaders and helpers		68	68		60	60
Horse haulage employees	3	47	50	1	34	35
Mechanical haulage employees	16	14	30	16	8	24
Ventilation employees		3	3		1	1
Roadmakers	4	24	28	1	19	20
Timbermen		17	17		12	12
Pumpmen		3	3		3	3
Loading shovel	6		6	11		11
Cleaning shovel				1		1
Enginemen	11		11	7		7
Firemen	11		11	7		7
Machinists	5	1	6	4	1	5
Carpenters and masons	6		6	5		5
Other mechanics	8		8	5		5
All other employees	93	54	147	67	43	110
Total	**256**	**585**	**841**	**211**	**456**	**667**

Table 103.—Capital Employed in the Coal Mines of Saskatchewan, 1938 and 1939

—	1938	1939
	$	$
Capital employed as represented by—		
Cost of lands, buildings, machinery and tools	2,752,658	3,748,459
Cost of supplies and stock on hand	75,299	130,660
Cash, trading and operating accounts and bills receivable	261,512	381,928
Total	**3,089,469**	**4,261,047**

CHAPTER NINE

ALBERTA

Alberta operators reported an output of 5,519,208 tons in 1939 or 5·1 per cent above the tonnage mined in the preceding year. The production of bituminous coal during the year advanced 10·7 per cent to 2,556,994 tons; sub-bituminous coal production was 4·7 per cent higher at 512,101 tons, but lignite coal output declined slightly to 2,450,163 tons.

The active mines in this province produced 71 per cent of their possible output; causes other than strikes were responsible for an estimated output loss of 2,295,755 tons. The loss due to strikes was estimated at 68,351 tons.

The principal market for Alberta coal continued to be the railroads; in 1939, shipments direct from the mines for locomotive use totalled 2,109,680 tons or 41·1 per cent of the total tonnage shipped. Other consumers in the province purchased 1,206,157 tons during the year while Saskatchewan consumers received 1,044,991 tons of Alberta coal. The Manitoba market absorbed 408,824 tons compared with 413,079 tons in the preceding year. British Columbia received 239,813 tons during the year as against 238,433 tons in 1938. Other direct shipments from the mines included 90,207 tons to Ontario and 33,138 tons to the United States.

Retail coal dealers purchased 1,903,000 tons of Alberta coal direct from the mines; this total was made up of 1,008,000 tons of lump, 267,000 tons of slack, 266,000 tons of nut, 219,000 tons of egg, 93,000 tons of run-of-mine and 50,000 tons of pea. Domestic users, including employees, purchased 545,000 tons; 31·4 per cent of this coal was lump and 33·9 per cent run-of-mine. Sales to industrial consumers totalled 576,000 tons, of which 66·1 per cent was slack, 13·2 per cent run-of-mine and 10·6 per cent nut.

Six coal producing districts in Alberta accounted for 83·3 per cent of Alberta's output in 1939; these districts were: Crowsnest, Drumheller, Mountain Park, Edmonton, Coalspur and Lethbridge. The Crowsnest and Mountain Park coals are classed as bituminous; the Coalspur coal as sub-bituminous and the Drumheller, Edmonton and Lethbridge coals are classed as lignite.

Alberta's coal mines furnished employment for 9,043 wage-earners in January; 4,955 men were employed in June which was the low mark for the year, while 9,565 men were working in November the peak employment month. The average number of wage-earners in 1939 was 7,384; these men worked 1,537,691 man-days or an average of 208 days per man. Production per man-day during the year was 3·589 tons compared with 3·523 tons in 1938.

Table 104.—Output of Coal from Alberta Mines, 1886-1939

Calendar year	Short tons	Value	Calendar year	Short tons	Value	Calendar year	Short tons	Value
		$			$			$
1886	43,220	81,112	1905	931,917	1,993,915	*1924	5,189,729	18,884,318
1887	74,152	157,577	1906	1,246,360	2,614,762	*1925	5,869,031	20,021,484
1888	115,124	183,354	1907	1,591,579	3,836,286	*1926	6,503,705	20,886,103
1889	97,364	179,640	1908	1,685,661	4,127,311	*1927	6,934,162	21,982,058
1890	128,753	198,298	1909	1,994,741	4,838,109	*1928	7,336,330	23,532,414
1891	174,131	437,243	1910	2,894,469	7,065,736	*1929	7,150,693	22,928,182
1892	178,970	460,605	1911	1,511,036	3,979,264	*1930	5,755,528	18,063,225
1893	230,070	586,260	1912	3,240,577	8,113,525	*1931	4,564,015	13,342,675
1894	184,940	473,827	1913	4,014,755	10,418,941	*1932	4,870,648	13,536,309
1895	169,885	382,526	1914	3,683,015	9,350,392	*1933	4,718,788	12,307,258
1896	209,162	581,832	1915	3,360,818	8,283,079	*1934	4,753,810	12,556,099
1897	242,163	630,408	1916	4,559,054	11,386,577	*1935	5,462,894	14,094,795
1898	315,088	787,720	1917	4,736,368	14,153,685	*1936	5,696,960	14,659,705
1899	309,600	774,000	1918	5,972,816	20,537,287	*1937	5,562,839	14,563,911
1900	311,450	778,625	*1919	4,933,660	18,205,205	*1938	5,251,233	13,698,470
1901	340,275	850,687	*1920	6,907,765	30,186,933	*1939	5,519,208	14,415,281
1902	402,819	960,601	*1921	5,909,217	27,246,514			
1903	495,893	1,117,541	*1922	5,990,911	24,351,913	**Total**	**167,843,488**	**519,196,494**
1904	661,732	1,404,524	*1923	6,854,397	28,018,303			

*For the years 1919-1939 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 105.—Output of Coal from Alberta Mines, by Months, 1935-1939

(Short tons)

Month	1935	1936	1937	1938	1939
January	688,181	643,466	671,646	563,363	516,616
February	367,932	741,690	542,751	586,958	566,324
March	423,844	381,879	383,632	463,290	435,638
April	342,844	310,344	305,397	287,954	276,772
May	268,166	253,324	273,638	247,572	275,246
June	255,256	237,852	261,274	210,744	249,334
July	254,547	247,074	269,981	214,818	260,594
August	345,823	319,338	351,523	351,476	409,842
September	477,462	569,157	463,217	365,011	518,014
October	675,353	792,927	694,674	647,058	775,341
November	804,653	567,597	682,634	715,272	696,469
December	558,833	632,322	662,472	597,717	539,018
Total	**5,462,894**	**5,696,969**	**5,562,839**	**5,251,233**	**5,519,208**

Table 106.—Output of Coal by Districts, in Alberta, 1937-1939

(Short tons)

District	1937	1938	1939
BITUMINOUS—			
Cascade*	175,986	170,034	194,441
Crowsnest	1,326,399	1,297,640	1,400,802
Highwood			10
Mountain Park	764,371	688,449	810,584
Nordegg	147,028	154,356	151,107
Total bituminous	2,413,784	2,310,479	2,556,944
SUB-BITUMINOUS—			
Coalspur	350,427	351,429	360,436
Morley	667	61	107
Pekisko	4,928	5,080	5,385
Pincher	1,541	1,413	1,374
Prairie Creek	106,803	91,189	104,063
Saunders	41,894	39,743	40,736
Total sub-bituminous	506,260	488,915	512,101
LIGNITE—			
Ardley	24,017	21,462	15,694
Big Valley	2,488	2,069	2,447
Brooks	9,157	9,669	10,980
Camrose	57,121	52,670	54,693
Carbon	105,018	92,844	80,032
Castor	40,765	39,757	38,110
Champion	17,933	16,184	15,273
Drumheller	1,289,765	1,167,993	1,223,337
Edmonton	542,063	515,077	472,132
Gleichen	19,902	23,046	26,091
Halcourt	4,620	3,368	2,992
Lethbridge	350,388	342,135	329,416
Magrath	995	542	431
Milk River	4,290	3,693	5,961
Pakan	773	353	202
Pakowki	1,339	1,419	1,464
Pembina	33,403	30,270	38,955
Redcliff	30,203	27,382	26,104
Rochester	478	729	974
Sexsmith	43	80	95
Sheerness	39,388	35,934	36,784
Steveville			
Taber	13,139	12,326	12,781
Tofield	48,315	45,094	47,667
Wetaskiwin	2,238	2,342	3,224
Whitecourt	356	231	229
Area not designated	4,598	5,170	4,095
Total lignite	2,642,795	2,451,839	2,450,163
Total Alberta	**5,562,839**	**5,251,233**	**5,519,208**

*Includes a small quantity of anthracite coal.

Table 107.—Output of Coal by Principal Collieries in Alberta, 1937-1939
(Average of 500 tons or more per month)

(Short tons)

Name and address	1937	1938	1939
Bituminous			
CASCADE DISTRICT—			
Canmore Mines, Ltd., Canmore	174,768	168,893	192,957
All other operators*	1,218	1,141	1,484
Total	175,986	170,034	194,441
CROWSNEST DISTRICT—			
Hillcrest Collieries, Ltd., Hillcrest	229,122	175,736	155,664
Hillcrest Mohawk Collieries Ltd. (formerly Hillcrest Collieries Ltd. and Mohawk Bituminous Mines Ltd.), Bellevue	.....	.....	11,156
International Coal and Coke Co., Ltd., Coleman	357,550	344,906	353,552
McGillivray Creek Coal and Coke Co., Ltd., Coleman	279,472	281,262	297,524
Mohawk Bituminous Mines, Ltd., Bellevue	57,826	70,455	54,715
West Canadian Collieries, Ltd., Blairmore	395,895	420,198	522,049
All other operators	6,534	5,083	6,142
Total	1,326,399	1,297,640	1,400,802
HIGHWOOD DISTRICT—	.....	.....	10
MOUNTAIN PARK DISTRICT—			
Cadomin Coal Co., Ltd., Cadomin (mine office); Edmonton (business office)	352,674	270,932	295,424
K.D. Collieries Ltd, Luscar	4,799	14,808	37,274
Luscar Collieries, Ltd., Edmonton	159,332	143,431	164,386
Mountain Park Collieries, Ltd., 410 Tegler Bldg., Edmonton	247,413	259,278	313,500
All other operators	153	.....	.....
Total	764,371	688,449	810,584
NORDEGG DISTRICT—			
Brazeau Collieries Ltd., Nordegg	147,028	154,356	151,107
Total	147,028	154,356	151,107
Total bituminous	2,413,784	2,310,479	2,556,944
Sub-Bituminous			
COALSPUR DISTRICT—			
Bryan Power & Coal Co., (formerly H. H. Croxton) Robb	2,441	903	902
Coal Valley Mining Co., Ltd., Edmonton	118,668	116,397	128,124
Foothills Collieries, Ltd., Foothills	50,042	49,720	45,331
Lakeside Coal Ltd., Edmonton	33,969	28,829	30,266
McLeod River Hard Coal Co., Ltd., Mercoal	34,238	44,660	37,478
Sterling Collieries Ltd., Edmonton	111,069	110,920	118,335
All other operators	.....	.....	.....
Total	350,427	351,429	360,436
MORLEY DISTRICT	667	61	107
PEKISKO DISTRICT	4,928	5,080	5,385
PINCHER DISTRICT	1,541	1,413	1,374
PRAIRIE CREEK DISTRICT—			
Hinton Collieries, Ltd., Hinton	74,119	63,362	78,628
Jasper Coal Co., Ltd., Edmonton	32,684	27,827	25,435
Total	106,803	91,189	104,063
SAUNDERS DISTRICT—			
Alexo Coal Co., Ltd., Alexo	19,563	18,246	18,307
Bighorn and Saunders Creek Collieries, Ltd., Saunders	22,331	21,316	22,318
All other operators	.....	181	111
Total	41,894	39,743	40,736
Total sub-bituminous	506,260	488,915	512,101
Lignite			
ARDLEY DISTRICT—			
Super Heat Coal Co. Ltd., Ardley	16,222	14,629	9,510
All other operators	7,795	6,833	6,184
Total	24,017	21,462	15,694
BIG VALLEY DISTRICT	2,488	2,069	2,447
BROOKS DISTRICT—			
Kleenbirn Collieries Ltd., Eyremore	8,903	9,459	10,980
All other operators	254	210	.....
Total	9,157	9,669	10,980

*Anthracite coal produced by Frank Wheatley and Sons.

Table 107.—Output of Coal by Principal Collieries in Alberta, 1937-1939 (Average of 500 tons or more per month)—Continued

(Short tons)

Name and address	1937	1938	1939
Lignite—Continued			
CAMROSE DISTRICT—			
Canadian Dinant Coal Co., Ltd., Dinant	29,906	25,454	24,658
Gotheridge, W. T. & Sons, Round Hill	6,656	6,644	7,688
Red Flame Coal Co., Round Hill	7,837	7,874	10,570
Stoney Creek Collieries, Ltd., Camrose	9,043	10,002	10,110
All other operators	3,679	2,696	1,667
Total	57,121	52,670	54,693
CARBON DISTRICT—			
Artic Coal Co, Carbon	6,342	5,630	3,371
Balogh Coal Co., Ltd., Carbon	14,180	19,776	13,984
Canadian Dinant Coal Co., Three Hills	19,913	22,517	22,041
Carbon Coal Co. (formerly Peerless Carbon Collieries Ltd.), Carbon	32,825	20,132	18,684
Oliphant, J. H., Carbon	22,638	15,342	12,631
All other operators	9,120	9,447	9,321
Total	105,018	92,844	80,032
CASTOR DISTRICT—			
Muncy, H. C., Foreman			3,673
All other operators	40,765	39,757	34,437
Total	40,765	39,757	38,110
CHAMPION DISTRICT	17,933	16,184	15,273
DRUMHELLER DISTRICT—			
Aetna Coal Co., Ltd., East Coulee	9,838	23,035	20,406
Brilliant Coal Co., Drumheller	71,441	65,742	68,020
Comet Coal Co., Ltd., East Coulee	22,869	17,751	20,454
Commander Coal Co. (formerly Regal Coal Co. Ltd.), Drumheller	17,974	19,634	18,067
Elgin Coal Co., Ltd., Drumheller	40,372	32,206	28,767
Empire Collieries, Ltd., East Coulee	69,407	70,907	74,204
Hy-Grade Coal Co., Ltd. (formerly Fireside Coal Co., Ltd.), Drumheller	90,651	94,513	90,085
Ideal Coal Co., Ltd., Wayne	13,354		
Maple Leaf Minerals Ltd., Drumheller	47,441	59,288	59,930
Midland Coal Mining Co., Ltd., Drumheller	137,039	106,757	107,191
Minute Coal Co., Drumheller			3,275
Monarch Coal Mining Co., Ltd., Calgary	56,188	66,719	89,970
Murray Collieries Ltd., East Coulee	80,834	82,187	76,696
Newcastle Coal Co., Ltd., Drumheller	57,311	13,977	
Newcastle Coal Co. Ltd., (formerly Alta Block Coal Co., Ltd.), Drumheller	50,951	58,539	69,530
Red Deer Valley Coal Co., Ltd., Calgary	62,375	64,615	70,903
Regal Coal Co. Ltd., (formerly Atlas Coal Co. Ltd.), East Coulee	107,804	111,209	140,843
Rosedale Collieries, Ltd. (Rosedale Mine), Rosedale	92,400	70,046	77,698
Rosedale Collieries, Ltd. (Star Mine), Aerial	69,176	76,683	82,756
Rosedale Collieries, Ltd. (Paragon Mine), Aerial	3,511	7,384	
Superior Grade Coal Co., Ltd., Wayne	15,307	9,111	11,801
Wayne Coal Producers Assn. Ltd. (Mutual Supplies Ltd.), Wayne	15,377	16,801	13,141
Western Gem & Jewel Collieries Ltd. (Cambrian Coal Co., Ltd.) Rosedale Station	39,425	22,208	
Western Gem & Jewel Collieries Ltd. (Jewel Collieries Ltd.), Rosedale Station	72,359	71,616	96,910
Western Gem & Jewel Collieries Ltd. (Western Gem Coal Co., Ltd.), Rosedale Station	39,806		
All other operators	6,555	7,065	2,690
Total	1,289,765	1,167,993	1,223,337
EDMONTON DISTRICT—			
Abel Lauchlin & Dalziel (formerly M. Poholka), South Edmonton	7,273	6,785	4,733
Alberta Coal Mine (L. Parker), Cardiff	6,282	4,909	5,001
Banner Coals Ltd. (formerly Kelstar Coals Ltd.), Edmonton	35,027	30,765	35,182
Beverly Coal Co. Ltd., Edmonton	51,955	57,762	53,710
Bush Mines, Ltd., Edmonton	53,913	46,139	47,684
Dawson Coal Co., Ltd., Edmonton	28,645	24,805	25,645
Edina Coal Co., Ltd., Edmonton	12,345		
Fraser-Mackay Collieries, Ltd., 10055-101st St., Edmonton	36,439	26,005	16,019
Gwilliam, D. J., Namao	4,504	8,140	7,151
Keith and Fulton Coal Co., Clover Bar	2,048		
Kent Coal Co., Ltd., Edmonton	47,492	48,479	47,487
Klapstein and Opalinski, South Edmonton	7,292	9,027	9,419
Long Coal Co., Ltd., Namao	6,903	7,649	5,336
McDonell Coal Co., Namao	7,897	6,697	6,012
Marcus Coal Mines, Ltd., Edmonton	51,768	48,502	39,721
Moran & Sons (formerly Carbondale Collieries Ltd.), Carbondale	6,728	5,332	5,031
Ottewell Coal Co., Clover Bar	24,677	56,454	32,285
Rabbit Hill Collieries (Gibb and Ball), Edmonton	21,197	17,625	16,035
Red Hot Coal Co. Ltd. (formerly Fridel Red Hot Coal Co.), Edmonton	9,914	10,800	11,516
Riverdale Coal Co. Ltd., Edmonton	5,486	7,565	7,660
Samis Collieries, Namao	2,315	2,108	4,258
Sinoski, M., South Edmonton	5,748	5,289	5,094
The Great West Coal Co., Ltd. (Black Diamond Mine), Edmonton	76,682	64,555	69,760
All other operators	29,533	19,685	17,393
Total	542,063	515,077	472,132

Table 107.—Output of Coal by Principal Collieries in Alberta, 1937-1939 (Average of 500 tons or more per month)—Continued

(Short tons)

Name and address	1937	1938	1939
Lignite—Continued			
GLEICHEN DISTRICT—			
Blackfoot Indian Agency, Gleichen	8,663	9,206	11,211
All other operators	11,239	13,840	14,880
Total	19,902	23,046	26,091
HALCOURT DISTRICT	4,620	3,368	2,992
LETHBRIDGE DISTRICT—			
Chester Mine (formerly Royal Lethbridge Collieries) Lethbridge	11,691	19,542	16,263
City of Lethbridge Coal Mines, Lethbridge	12,675	13,492	13,775
Hamilton, J. J. Coal Co., Lethbridge	20,352	22,037	20,208
Lethbridge Collieries, Ltd. (Mine 1263)	108,420	83,352	83,745
Lethbridge Collieries Ltd. (Mine 1464), Lethbridge	159,824	166,758	151,023
Lethbridge Co-operative Mines Association, Ltd., Lethbridge	436	3,039	14,264
Rollingson, J., Lethbridge	8,780	7,967	6,958
Royal View Mine (formerly Lund, Nelson & Hagblad), Lethbridge	14,658	16,513	14,876
All other operators	13,552	9,435	8,304
Total	350,388	342,135	329,416
MAGRATH DISTRICT	995	542	431
MILK RIVER DISTRICT	4,290	3,693	5,961
PAKAN DISTRICT	773	353	202
PAKOWKI DISTRICT	1,339	1,419	1,464
PEMBINA DISTRICT—			
Lakeside Coals Ltd., Edmonton	31,194	27,097	36,605
All other operators	2,209	3,173	2,350
Total	33,403	30,270	38,955
REDCLIFF DISTRICT—			
Gunderson Brick & Coal Co., Ltd., Redcliff	13,382	11,951	11,393
Oliphant, John, Medicine Hat	15,704	15,431	14,701
All other operators	1,117	.....	10
Total	30,203	27,382	26,104
ROCHESTER DISTRICT	478	729	974
SEXSMITH DISTRICT	43	80	95
SHEERNESS DISTRICT—			
Chinook Coal Co. Ltd., Sheerness	18,315	17,222	14,381
Sheerness Coal Co., Ltd. (formerly Leavell Coal Co. Ltd.), Sheerness	11,591	10,777	14,590
All other operators	9,482	7,935	7,813
Total	39,388	35,934	36,784
SLAVE LAKE DISTRICT	.....	.....	.....
STEVEVILLE DISTRICT	.....	.....	.....
TABER DISTRICT	13,139	12,326	12,781
TOFIELD DISTRICT—			
Tofield Coal Co., Ltd., Tofield	39,398	38,438	43,056
Tredway Bros., Dodds	5,689	3,125	1,256
All other operators	3,228	3,531	3,355
Total	48,316	45,094	47,667

Table 107.—Output of Coal by Principal Collieries in Alberta, 1937-1939 (Average of 500 tons or more per month)—Concluded

(Short tons)

Name and address	1937	1938	1939
Lignite—Continued			
Wetaskiwin District	2,238	2,342	3,224
Whitecourt District	356	231	224
Area not designated	4,598	5,170	4,095
Total lignite	2,642,795	2,451,839	2,450,163
Total Alberta	**5,562,839**	**5,251,233**	**5,519,208**

Table 108.—Tonnage Lost in Alberta Coal Mines, Showing by Districts the Relative Percentage Produced and Lost, with an Analysis of the Percentage Lost, 1938 and 1939

District	Per cent produced		Per cent lost		Percentage lost through									
					Absenteeism		Lack of orders		Car shortage		Mine disability		Other causes	
	1938	1939	1938	1939	1938	1939	1938	1939	1938	1939	1938	1939	1938	1939
Bituminous—														
Cascade	72	78	28	22	3·0	3·0	25·0	19·0	.....	.....	.....	.....	.....	.....
Crowsnest	62	69	38	31	.....	.....	38·0	31·0	.....	.....	.....	.....	.....	.....
Highwood	.....	48	.....	52	.....	4·6	.....	.....	.....	.....	.....	47·4	.....	.....
Mountain Park	86	89	14	11	1·9	3·2	10·5	7·3	.....	.....	1·5	0·5	0·1	.....
Nordegg	60	65	40	35	0·3	.....	39·7	35·0	.....	.....	.....	.....	.....	.....
Total bituminous	68	74	32	26	0·7	1·3	30·8	24·3	.....	.....	0·4	0·2	0·1	0·2
Sub-Bituminous—														
Coalspur	86	78	14	22	0·4	0·5	13·0	21·1	.....	.....	0·1	0·2	0·5	0·2
Morley	45	33	55	67	.....	.....	19·8	2·8	.....	.....	35·2	.....	.....	64·2
Pekisko	54	61	46	39	.....	.....	46·0	39·0	.....	.....	.....	.....	.....	.....
Pincher	62	50	38	50	.....	.....	34·4	50·0	.....	.....	3·6	.....	.....	.....
Prairie Creek	87	87	13	13	0·1	0·1	6·5	7·3	.....	.....	5·2	3·5	1·2	2·1
Saunders	60	63	40	37	.....	.....	39·9	37·0	.....	.....	.....	.....	0·1	.....
Total sub-bituminous	82	78	18	22	0·3	0·3	15·8	20·5	.....	.....	1·1	0·7	0·8	0·5
Lignite—														
Ardley	62	51	38	49	0·7	.....	37·1	45·0	.....	.....	.....	2·3	0·2	1·7
Big Valley	47	56	53	44	.....	.....	53·0	44·0	.....	.....	.....	.....	.....	.....
Brooks	77	86	23	14	.....	.....	23·0	14·0	.....	.....	.....	.....	.....	.....
Camrose	74	79	26	21	.....	0·1	26·0	20·5	.....	.....	.....	0·4	.....	.....
Carbon	62	62	38	38	.....	0·2	38·0	37·5	.....	.....	.....	0·3	.....	.....
Castor	58	53	42	47	0·9	0·5	39·9	44·2	.....	.....	0·5	0·2	0·7	2·1
Champion	55	58	45	42	.....	.....	45·0	41·3	.....	.....	.....	0·7	.....	.....
Drumheller	62	64	38	36	.....	.....	37·6	35·4	.....	.....	0·1	0·5	0·3	0·1
Edmonton	71	69	29	31	1·3	1·4	27·7	29·2	.....	.....	.....	.....	.....	0·4
Gleichen	65	65	35	35	.....	.....	34·0	35·0	.....	.....	.....	.....	1·0	.....
Halcourt	69	66	31	34	.....	.....	31·0	32·7	.....	.....	.....	.....	.....	1·3
Lethbridge	68	71	32	29	.....	.....	31·3	28·8	.....	.....	0·4	0·1	0·3	0·1
Magrath	58	67	42	33	.....	.....	42·0	33·0	.....	.....	.....	.....	.....	.....
Milk River	52	72	48	28	.....	.....	48·0	28·0	.....	.....	.....	.....	.....	.....
Pakan	31	79	69	21	.....	.....	64·4	3·9	.....	.....	.....	.....	4·6	17·1
Pakowki	42	49	58	51	.....	.....	58·0	51·0	.....	.....	.....	.....	.....	.....
Pembina	51	59	49	41	0·6	0·5	48·4	40·5	.....	.....	.....	.....	.....	.....
Redcliff	52	51	48	49	.....	.....	48·0	49·0	.....	.....	.....	.....	.....	.....
Rochester	74	73	26	27	.....	.....	23·0	26·4	.....	.....	.....	.....	3·0	0·6
Sexsmith	100	56	.....	44	.....	.....	.....	44·0	.....	.....	.....	.....	.....	.....
Sheerness	54	59	46	41	.....	.....	39·0	41·0	.....	.....	.....	.....	7·0	.....
Steveville	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Taber	50	52	50	48	.....	.....	48·8	46·9	.....	.....	.....	.....	1·2	1·1
Tofield	84	85	16	15	.....	.....	16·0	15·0	.....	.....	.....	.....	.....	.....
Wetaskiwin	63	52	37	48	.....	.....	37·0	48·0	.....	.....	.....	.....	.....	.....
Whitecourt	40	29	60	71	.....	.....	60·0	71·0	.....	.....	.....	.....	.....	1·7
Area not designated	65	56	35	44	3·7	0·3	31·3	42·0	.....	.....	.....	.....	.....	.....
Total lignite	64	66	36	34	0·3	0·2	35·0	33·5	.....	.....	0·2	0·2	0·5	0·1
Total Alberta	**67**	**71**	**33**	**29**	**0·6**	**0·5**	**31·7**	**28·2**	.....	.....	**0·4**	**0·2**	**0·3**	**0·1**

Table 109.—Total Disposition of Coal from Alberta Mines, by Grades, 1938 and 1939

(Short tons)

—	1938		1939					
	Total		Run-of-mine	Lump	Nut and other grades	Slack	Total	
	Quantity	Value					Quantity	Value
		$						$
Supplied to employees for domestic consumption	38,394	93,303	17,437	14,978	4,547	286	37,248	90,978
Coal shipped as per Table 113	4,880,532	12,920,551	2,310,754	1,223,103	768,369	830,584	5,132,810	13,582,703
Used under colliery boilers	136,854	292,328	78,445	1,764	6,509	58,618	145,336	315,748
Used by companies' railroads	6,239	13,657	6,273	9			6,282	13,440
Used in making coke at colliery	103,497	269,096				103,191	103,191	268,295
Used in making briquettes	37,241	119,674				43,875	43,875	136,593
Put on bank	47,002	115,068	26,191	4,284	2,982	17,996	51,453	118,297
Put on waste heap	62,743						50,523	
Total disposition	5,313,502	13,823,677	2,439,100	1,244,138	782,407	1,054,550	5,570,718	14,530,054
Lifted from bank	58,864	125,207	26,643	3,568	3,067	14,489	47,767	114,773
Lifted from waste heap	2,405						3,743	
Total output	5,251,233	13,698,470	2,412,457	1,240,570	779,340	1,040,061	5,519,208	14,415,281

Table 110.—Disposition of Bituminous Coal from Alberta Mines, 1938 and 1939

(Short tons)

—	1938		1939					
	Total		Run-of-mine	Lump	Nut and other grades	Slack	Total	
	Quantity	Value					Quantity	Value
		$						$
Supplied to employees for domestic consumption	18,143	44,280	14,061	3,509	384		17,954	43,632
Coal shipped as per Table 114	2,045,162	5,853,720	1,752,675	19,865	90,595	419,658	2,282,793	6,424,795
Used under colliery boilers	81,408	217,491	64,933		8	25,641	90,582	242,965
Used by companies' railroads	1,119	3,257	1,279				1,279	3,425
Used in making coke at colliery	103,497	269,096				103,191	103,191	268,295
Used in making briquettes	37,241	119,674				43,875	43,875	136,593
Put on bank	28,328	84,756	24,891	73	374	3,344	28,682	84,974
Put on waste heap	26,412						18,496	
Total disposition	2,341,310	6,592,276	1,857,839	23,447	91,361	595,709	2,586,852	7,203,779
Lifted from bank	30,831	86,120	26,043	43	400	3,422	29,908	86,611
Lifted from waste heap								
Total output	2,310,479	6,506,156	1,831,796	23,404	90,961	592,287	2,556,944	7,117,168

Table 111.—Disposition of Sub-Bituminous Coal from Alberta Mines, by Grades, 1938 and 1939

(Short tons)

—	1938		1939					
	Total		Run-of-mine	Lump	Nut and other grades	Slack	Total	
	Quantity	Value					Quantity	Value
		$						$
Supplied to employees for domestic consumption	2,204	6,020	1,426	379	333	14	2,152	6,044
Coal shipped as per Table 115	439,319	1,207,322	261,885	82,910	91,740	23,863	460,398	1,254,659
Used under colliery boilers	26,125	47,377	12,800	69	1,260	14,977	29,106	52,481
Used by companies' railroads	4,560	9,120	4,386				4,386	8,772
Put on bank	3,516	5,580	946	58	754	2,051	3,809	6,723
Put on waste heap	16,660						15,246	
Total disposition	492,384	1,275,419	281,443	83,416	94,087	40,905	515,097	1,328,679
Lifted from bank	3,459	6,288	546	255	807	1,006	2,614	5,278
Lifted from waste heap	10						382	
Total output	488,915	1,269,131	280,897	83,161	93,280	39,899	512,101	1,323,401

Table 112.—Disposition of Lignite Coal from Alberta Mines, 1938 and 1939

(Short tons)

—	1938		1939					
	Total		Run-of-mine	Lump	Nut and other grades	Slack	Total	
	Quantity	Value					Quantity	Value
		$						$
Supplied to employees for domestic consumption	18,047	43,603	1,950	11,090	3,830	272	17,142	41,302
Coal shipped as per Table 116	2,396,051	5,859,509	296,194	1,120,328	586,034	387,063	2,389,619	5,903,249
Used under colliery boilers	29,321	27,458	712	1,695	5,241	18,000	25,648	24,302
Used by companies' railroads	560	1,286	608	9	.....	.....	617	1,243
Put on bank	15,158	24,732	354	4,153	1,854	12,601	18,962	27,500
Put on waste heap	19,671	.....	.....	.....	.....	.....	16,781	.....
Total disposition	2,478,808	5,955,982	299,818	1,137,275	596,959	417,936	2,468,769	5,997,596
Lifted from bank	24,574	32,799	54	3,270	1,860	10,061	15,245	22,884
Lifted from waste heap	2,395	.....	.....	.....	.....	.....	3,361	.....
Total output	2,451,839	5,923,183	299,764	1,134,005	595,099	407,875	2,450,163	5,974,712

Table 113.—Total Shipments of Coal from Alberta Mines, by Grades and Destination, 1938 and 1939

(Short tons)

Destination	1938					1939				
	Run-of-mine	Lump	Nut and other grades	Slack	Total	Run-of-mine	Lump	Nut and other grades	Slack	Total
Alberta	274,002	427,505	286,308	248,966	1,236,781	246,653	399,340	300,498	259,666	1,206,157
Saskatchewan	70,980	543,970	225,970	171,688	1,012,608	74,218	552,858	259,205	158,710	1,044,991
British Columbia	4,074	63,529	45,262	125,568	238,433	3,859	60,401	45,112	130,441	239,813
Manitoba	15,179	155,655	78,081	164,164	413,079	14,955	144,209	81,240	168,420	408,824
Ontario	684	46,736	9,819	17,599	74,838	1,182	55,718	14,915	18,392	90,207
Northwest Territories	.....	128	.....	.....	128	.....	.....	.....	.....	.....
United States	190	4,116	12,931	15,131	32,368	398	3,690	7,307	21,745	33,138
Railroads—										
In Canada	1,746,858	3,736	87,267	30,894	1,868,755	1,967,256	6,887	60,092	73,210	2,107,445
In United States	3,542	.....	.....	.....	3,542	2,235	.....	.....	.....	2,235
Total	2,115,509	1,245,375	745,638	774,010	4,880,532	2,310,754	1,223,103	768,369	830,584	5,132,810

Table 114.—Shipments of Bituminous Coal from Alberta Mines, by Grades and Destination, 1938 and 1939

(Short tons)

Destination	1938					1939				
	Run-of-mine	Lump	Nut and other grades	Slack	Total	Run-of-mine	Lump	Nut and other grades	Slack	Total
Alberta	15,422	2,728	3,374	9,324	30,848	10,040	2,843	6,142	14,855	33,880
Saskatchewan	11,017	990	4,997	40,215	57,219	10,143	2,386	8,365	28,686	49,580
British Columbia	2,936	2,572	7,462	123,520	136,490	3,139	3,446	7,540	129,768	143,893
Manitoba	11,163	598	13,844	136,534	162,139	11,960	3,059	11,740	138,615	165,374
Ontario	333	.....	837	17,567	18,737	923	1,886	2,594	18,264	23,667
United States	190	138	7,166	14,726	22,220	326	991	2,690	21,528	25,535
Railroads—										
In Canada	1,512,543	1,056	77,456	22,912	1,613,967	1,713,909	5,254	51,524	67,942	1,838,629
In the United States	3,542	.....	.....	.....	3,542	2,235	.....	.....	.....	2,235
Total	1,557,146	8,082	115,136	364,798	2,045,162	1,752,675	19,865	90,595	419,658	2,282,793

Table 115.—Shipments of Sub-Bituminous Coal from Alberta Mines, by Grades and Destination, 1938 and 1939

(Short tons)

Destination	1938					1939				
	Run-of-mine	Lump	Nut and other grades	Slack	Total	Run-of-mine	Lump	Nut and other grades	Slack	Total
Alberta	5,396	16,982	13,987	7,105	43,470	5,578	15,315	9,800	6,336	37,029
Saskatchewan	1,411	5,901	7,244	2,738	17,294	1,417	6,135	16,521	3,206	27,279
British Columbia	911	16,845	18,770	114	36,640	646	15,670	20,076	349	36,741
Northwest Territories	.....	83	.....	.....	83	.....	.....	.....	.....	.....
Manitoba	598	30,109	32,504	7,532	70,743	669	28,082	33,058	8,605	70,414
Ontario	295	13,424	2,582	.....	16,301	228	16,075	3,685	99	20,087
United States	.....	.....	.....	.....	.....	.....	.....	32	.....	32
Railroads—										
In Canada	234,315	2,680	9,811	7,982	254,788	253,347	1,633	8,568	5,268	268,816
In United States	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total	**242,926**	**86,024**	**84,898**	**25,471**	**439,319**	**261,885**	**82,910**	**91,740**	**23,863**	**460,398**

Table 116.—Shipments of Lignite Coal from Alberta Mines, by Grades and Destination, 1938 and 1939

(Short tons)

Destination	1938					1939				
	Run-of-mine	Lump	Nut and other grades	Slack	Total	Run-of-mine	Lump	Nut and other grades	Slack	Total
Alberta	253,184	407,840	268,947	232,537	1,162,508	231,035	381,182	284,556	238,475	1,135,248
Saskatchewan	58,552	537,079	213,729	128,735	938,095	62,658	544,337	234,319	126,818	968,132
British Columbia	227	44,112	19,030	1,934	65,303	74	41,285	17,496	324	59,179
Manitoba	3,418	124,948	31,733	20,098	180,197	2,326	113,068	36,442	21,200	173,036
Ontario	56	33,312	6,400	32	39,800	31	37,757	8,636	29	46,453
United States	.....	3,978	5,765	405	10,148	70	2,699	4,585	217	7,571
Railroads	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total	**315,437**	**1,151,269**	**545,604**	**383,741**	**2,396,051**	**296,194**	**1,120,328**	**586,034**	**387,063**	**2,389,619**

Table 117.—Exports of Canadian Coal through Alberta Ports, 1935-1939

(Short tons)

Port	1935	1936	1937	1938	1939
Coutts	.....	1,163	1,568	2,099	2,158
Lethbridge	1,548	856	553	407	1,292
Total	**1,548**	**2,019**	**2,121**	**2,506**	**3,450**

Table 118.—*Imports into Alberta of Anthracite, Bituminous and Lignite Coal, by Ports of Entry, 1938 and 1939

(Short tons)

Port	Source	1938				1939						
						Anthracite						
		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.	Total	Bituminous all grades	Lignite	Total
Calgary	U.S.	.....	215	.....	215	.....	.....	.....	.....	186	.....	186
Edmonton	U.S.	.....	836	.....	836	.....	.....	.....	.....	771	.....	771
Lethbridge	U.S.	.....	65	11	76	.....	33	.....	33	33	6	72
Medicine Hat	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total	**U.S.**	.....	**1,116**	**11**	**1,127**	.....	**33**	.....	**33**	**990**	**6**	**1,029**

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

Table 119.—Summary Statistics for Alberta in 1939—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	186,431	182	35,130	62	36	151,457
Sub-bituminous	51,360	.....	22,239	.....	.....	29,121
Lignite	278,825	.....	142,845	95	2	135,887
Total	516,616	182	200,214	157	38	316,465
February—						
Bituminous	201,899	63	38,189	56	108	163,825
Sub-bituminous	50,163	.....	18,274	.....	.....	31,889
Lignite	314,262	.....	164,736	141	.....	149,385
Total	566,324	63	221,199	197	108	345,099
March—						
Anthracite	.....	.....	.....	.....	.....	.....
Bituminous	208,726	578	37,670	242	.....	171,392
Sub-bituminous	45,976	.....	8,864	.....	.....	37,112
Lignite	180,936	.....	85,897	149	.....	94,890
Total	435,638	578	132,431	391	.....	303,394
April—						
Bituminous	169,364	1,440	26,862	80	144	144,006
Sub-bituminous	33,335	.....	4,130	.....	.....	29,205
Lignite	74,073	.....	30,737	63	.....	43,273
Total	276,772	1,440	61,729	143	144	216,484
May—						
Bituminous	190,025	1,505	25,289	27	.....	166,214
Sub-bituminous	36,666	.....	3,724	.....	.....	32,942
Lignite	48,555	.....	16,795	16	.....	31,744
Total	275,246	1,505	45,808	43	.....	230,900
June—						
Bituminous	184,541	1,313	22,586	21	201	163,448
Sub-bituminous	16,707	.....	1,011	.....	.....	15,696
Lignite	48,086	.....	16,993	28	.....	31,065
Total	249,334	1,313	40,590	49	201	210,209
July—						
Bituminous	202,219	1,049	22,619	14	145	180,780
Sub-bituminous	9,241	.....	831	.....	.....	8,410
Lignite	49,134	.....	19,768	16	.....	29,350
Total	260,594	1,049	43,218	30	145	218,540
August—						
Anthracite	.....	.....	.....	.....	33	33
Bituminous	271,045	712	20,263	71	145	251,568
Sub-bituminous	31,347	.....	8,038	.....	.....	23,309
Lignite	107,450	.....	51,728	27	.....	55,695
Total	409,842	712	80,029	98	178	330,605
September—						
Bituminous	202,219	774	31,930	123	32	170,972
Sub-bituminous	53,014	.....	16,284	.....	.....	36,730
Lignite	262,781	.....	147,967	182	.....	114,632
Total	518,014	774	196,181	305	32	322,334
October—						
Bituminous	245,978	431	44,871	455	39	201,122
Sub-bituminous	71,538	.....	28,916	.....	.....	42,622
Lignite	457,825	.....	256,453	632	.....	200,740
Total	775,341	431	330,240	1,087	39	444,484
November—						
Bituminous	244,853	45	39,872	518	70	204,578
Sub-bituminous	59,660	.....	22,158	.....	.....	37,502
Lignite	391,956	.....	211,179	173	4	180,608
Total	696,469	45	273,209	691	74	422,688
December—						
Bituminous	249,644	110	37,233	122	70	212,469
Sub-bituminous	53,094	.....	20,052	.....	.....	33,042
Lignite	236,280	.....	101,702	137	.....	134,441
Total	539,018	110	158,987	259	70	379,952
Total—						
Anthracite	.....	.....	.....	.....	33	33
Bituminous	2,556,944	8,202	382,514	1,791	990	2,181,831
Sub-bituminous	512,101	.....	154,521	.....	.....	357,580
Lignite	2,450,163	.....	1,246,800	1,659	6	1,201,710
Total	5,519,208	8,202	1,783,835	3,450	1,029	3,741,154

Table 120.—Employees, Salaries and Wages, in the Coal Mines of Alberta, by Districts, 1938

District	Average number of employees					Salaries and wages		
	Salaried employees		Wage-earners		Total	Salaries	Wages	Total
	Male	Female	Surface	Under-ground				
						$	$	$
BITUMINOUS—								
Cascade	18	1	85	184	288	50,409	328,325	378,734
Crowsnest	97	5	448	1,451	2,001	260,287	1,997,773	2,258,060
Mountain Park	62	4	272	469	807	175,197	1,162,861	1,338,058
Nordegg	22	.....	79	169	270	53,081	257,672	310,753
Total bituminous	199	10	884	2,273	3,366	538,974	3,746,631	4,285,605
SUB-BITUMINOUS—								
Coalspur	33	2	223	144	402	93,553	488,580	582,133
Morley	.....	.....	.....	1	1	.....	150	150
Pekisko	.....	.....	2	10	12	.....	6,450	6,450
Pincher	.....	.....	2	3	5	.....	2,200	2,200
Prairie Creek	12	1	44	92	149	23,760	193,968	217,728
Saunders	14	.....	28	74	116	22,631	105,719	128,350
Total sub-bituminous	59	3	299	324	685	139,944	797,067	937,011
LIGNITE—								
Ardley	2	.....	8	38	48	2,800	26,045	28,845
Big Valley	.....	.....	1	8	9	.....	2,745	2,745
Brooks	1	.....	9	6	16	2,000	15,417	17,417
Camrose	8	1	19	65	93	15,830	54,933	70,763
Carbon	7	1	29	124	161	9,665	113,854	123,519
Castor	2	.....	8	71	81	765	36,092	36,857
Chinnnion	1	.....	7	43	51	700	22,612	23,312
Drumheller	107	6	300	1,268	1,681	222,003	1,726,627	1,948,630
Edmonton	58	4	119	570	751	105,878	547,397	653,275
Gleichen	2	.....	10	58	70	1,748	35,864	37,612
Halcourt	.....	.....	2	15	17	.....	8,515	8,515
Lethbridge	36	2	137	406	581	88,449	561,743	650,192
Magrath	.....	.....	1	3	4	.....	1,248	1,248
Milk River	.....	.....	7	6	13	.....	4,765	4,765
Pakan	.....	.....	2	1	3	.....	524	524
Pakowki	.....	.....	.....	8	8	.....	2,680	2,680
Pembina	1	.....	12	43	56	2,262	29,325	31,587
Redcliff	.....	.....	9	31	40	.....	30,345	30,345
Rochester	1	.....	1	2	4	250	1,239	1,489
Sexsmith	.....	.....	.....	1	1	.....	100	100
Sheerness	5	.....	30	9	44	5,166	18,821	23,987
Steveville	.....	.....	.....	.....	.....	.....	.....	.....
Taber	3	.....	8	27	38	1,223	16,314	17,537
Tofield	6	.....	48	3	57	6,202	40,689	46,891
Wetaskiwin	.....	.....	.....	7	7	.....	2,050	2,050
Whitecourt	.....	.....	.....	1	1	.....	365	365
Area not designated	.....	.....	4	9	13	.....	8,890	8,890
Total lignite	240	14	771	2,823	3,848	464,941	3,309,199	3,774,140
Total Alberta	498	27	1,954	5,420	7,899	1,143,859	7,852,897	8,996,756

Table 121.—Employees, Salaries and Wages in the Coal Mines of Alberta, by Districts, 1939

District	Average number of employees					Salaries and wages		
	Salaried employees		Wage-earners		Total	Salaries	Wages	Total
	Male	Female	Surface	Underground				
						$	$	$
BITUMINOUS—								
Cascade	17	2	85	176	280	50,632	361,805	412,437
Crowsnest	96	5	430	1,403	1,934	238,353	2,151,741	2,390,094
Highwood	.....	.....	.....	1	1	.....	1,128	1,128
Mountain Park	55	3	234	578	870	139,300	1,306,483	1,445,783
Nordegg	21	.....	65	134	220	44,716	237,068	281,784
Total bituminous	189	10	814	2,292	3,305	473,001	4,058,225	4,531,226
SUB-BITUMINOUS—								
Coalspur	31	2	217	137	387	81,250	444,711	525,961
Morley	.....	.....	.....	1	1	.....	200	200
Pekisko	.....	.....	3	8	11	.....	6,425	6,425
Pincher	.....	.....	2	3	5	.....	1,950	1,950
Prairie Creek	12	1	48	110	171	25,847	206,012	231,859
Saunders	14	.....	26	66	106	22,687	109,886	132,573
Total sub-bituminous	57	3	296	325	681	129,784	769,184	898,968
LIGNITE—								
Ardley	3	.....	9	37	49	2,950	21,107	24,057
Big Valley	.....	.....	1	7	8	.....	3,116	3,116
Brooks	2	.....	6	6	14	3,500	12,177	15,677
Camrose	8	1	21	67	97	16,005	60,282	76,287
Carbon	4	1	26	111	142	7,566	103,245	110,811
Castor	1	.....	7	84	92	500	37,378	37,878
Champion	.....	.....	6	41	47	.....	25,663	25,663
Drumheller	106	6	316	1,341	1,769	224,718	1,838,977	2,063,695
Edmonton	74	5	117	565	761	117,344	529,814	647,158
Gleichen	3	.....	11	59	73	2,313	36,802	39,115
Halcourt	.....	.....	3	13	16	.....	6,795	6,795
Lethbridge	35	2	140	386	563	80,530	592,816	682,346
Magrath	.....	.....	1	2	3	.....	1,037	1,037
Milk River	1	.....	8	4	13	400	4,379	4,779
Pakan	.....	.....	1	.....	1	.....	400	400
Pakowki	.....	.....	.....	8	8	.....	2,600	2,600
Pembina	1	.....	14	42	57	2,163	36,248	38,411
Redcliff	1	.....	11	35	47	1,000	26,677	27,677
Rochester	1	.....	1	3	5	250	1,350	1,600
Sexsmith	.....	.....	.....	1	1	.....	125	125
Sheerness	5	.....	28	10	43	4,007	17,840	21,847
Taber	2	.....	8	28	38	1,340	16,755	18,095
Tofield	3	.....	43	5	51	4,755	36,171	40,926
Wetaskiwin	.....	.....	1	11	12	.....	4,575	4,575
Whitecourt	.....	.....	.....	1	1	.....	316	316
Area not designated	.....	.....	3	8	11	.....	5,072	5,072
Total lignite	250	15	782	2,875	3,922	478,341	3,422,017	3,900,358
Total Alberta	**496**	**28**	**1,892**	**5,492**	**7,908**	**1,081,126**	**8,249,426**	**9,330,552**

Table 122.—Employment and Earnings in the Coal Mines of Alberta, 1935-1939

—	1935	1936	1937	1938	1939
Average number of wage-earners—					
Surface	2,057	2,131	2,009	1,954	1,892
Underground	5,605	5,923	5,804	5,420	5,492
Total	**7,662**	**8,054**	**7,813**	**7,374**	**7,384**
Days' work done—					
Surface	499,136	517,453	498,515	469,649	468,615
Underground	1,087,843	1,165,041	1,114,926	1,021,028	1,069,076
Total	**1,586,979**	**1,682,494**	**1,613,541**	**1,490,677**	**1,537,691**
Average number of days worked per man per year—					
Surface	242	243	248	240	248
Underground	194	197	192	188	195
By all wage-earners	**207**	**209**	**207**	**202**	**208**
Total wages paid	$ 7,891,362	$ 8,493,359	$ 8,370,001	$ 7,852,897	$ 8,249,426

Table 123.—Wage-Earners Employed, and Work Done, by Months, in the Coal Mines of Alberta in 1939

Month	Number of wage-earners			Days' work done		
	Surface	Under-ground	Total	Surface	Under-ground	Total
January	2,145	6,898	9,043	41,810	102,448	144,258
February	2,106	6,621	8,727	42,406	107,309	149,715
March	1,998	5,819	7,817	38,613	85,838	124,451
April	1,616	3,944	5,560	28,933	52,267	81,200
May	1,504	3,573	5,077	28,471	51,862	80,333
June	1,487	3,468	4,955	28,826	50,918	79,744
July	1,479	3,555	5,034	28,407	52,173	80,580
August	1,775	4,793	6,568	36,617	80,430	117,047
September	1,974	5,970	7,944	42,649	100,571	143,220
October	2,173	7,103	9,276	54,767	146,701	201,468
November	2,268	7,297	9,565	52,184	135,393	187,577
December	2,179	6,859	9,038	44,932	103,166	148,098
Total				**468,615**	**1,069,076**	**1,537,691**

Table 124.—Number of Man-Days' Work Done in the Coal Mines of Alberta, by Districts, 1938 and 1939

District	1938			1939		
	Surface	Under-ground	Total	Surface	Under-ground	Total
BITUMINOUS—						
Brûlé						
Cascade	21,582	34,645	56,227	23,835	36,799	60,634
Crowsnest	104,945	251,852	356,797	103,224	261,642	364,866
Highwood				16	53	69
Mountain Park	67,713	127,109	194,822	64,903	153,866	218,769
Nordegg	17,900	24,020	41,920	15,916	22,435	38,351
Total bituminous	212,140	437,626	649,766	207,894	474,795	682,689
SUB-BITUMINOUS—						
Coalspur	63,558	26,753	90,311	58,527	21,742	80,269
Morley	23	57	80	29	61	90
Pekisko	593	1,405	1,998	748	1,263	2,011
Pincher	343	528	871	323	484	807
Prairie Creek	11,240	23,863	35,103	12,749	29,069	41,818
Saunders	5,008	12,737	17,745	4,914	12,042	16,956
Total sub-bituminous	80,765	65,343	146,108	77,290	64,661	141,951
LIGNITE—						
Ardley	2,397	6,357	8,754	2,338	4,719	7,057
Big Valley	319	1,103	1,422	428	1,109	1,537
Brooks	2,054	1,307	3,361	1,704	1,579	3,283
Camrose	4,702	13,868	18,570	5,038	15,627	20,665
Carbon	6,530	22,075	28,605	6,242	19,696	25,938
Castor	2,764	11,413	14,177	3,704	12,058	15,762
Champion	1,384	6,811	8,195	1,341	6,679	8,020
Drumheller	63,295	229,983	293,278	68,287	241,873	310,160
Edmonton	28,316	115,599	143,915	28,272	113,276	141,548
Gleichen	2,761	11,923	14,684	2,962	12,175	15,137
Halcourt	700	2,822	3,522	897	2,419	3,316
Lethbridge	33,163	73,410	106,573	34,308	75,124	109,432
Magrath	239	455	694	130	315	445
Milk River	1,461	708	2,169	1,947	574	2,521
Pakan	186	215	401	314	29	343
Pakowki	197	703	900	315	589	904
Pembina	3,103	5,187	8,290	3,268	6,636	9,904
Redcliff	1,590	5,237	6,827	1,759	5,574	7,333
Rochester	146	372	518	225	522	747
Sexsmith	50	50	100	24	60	84
Sheerness	5,483	1,435	6,918	5,170	1,413	6,583
Steveville						
Taber	1,618	3,558	5,176	1,956	3,841	5,797
Tofield	13,067	546	13,613	11,611	764	12,375
Wetaskiwin	221	957	1,178	506	1,616	2,122
Whitecourt	33	88	121	54	55	109
Area not designated	965	1,877	2,842	631	1,298	1,929
Total lignite	176,744	518,059	694,803	183,431	529,620	713,051
Total Alberta	**469,649**	**1,021,028**	**1,490,677**	**468,615**	**1,069,076**	**1,537,691**

Table 125.—Wage-Earners Employed in the Coal Mines of Alberta, by Classes, 1938 and 1939

Classification	1938			1939		
	Surface	Underground	Total	Surface	Underground	Total
Administration	59		59	53		53
Foremen and officials	112	407	519	117	410	527
Clerks	125		125	127		127
Screenmen and loaders	560		560	569		569
Hand cutters and helpers		1,862	1,862		1,879	1,879
Machine cutters and helpers		284	284		276	276
Machine loaders and helpers		1,282	1,282		1,281	1,281
Horse haulage employees	30	349	379	29	342	371
Mechanical haulage employees	71	290	361	68	294	362
Ventilation employees		46	46		46	46
Roadmakers		131	131		135	135
Stripping shovel operators	11		11	8		8
Timbermen		265	265		286	286
Pumpmen		21	21	1	23	24
Chute loaders		184	184		168	168
Enginemen	140	2	142	128	2	130
Firemen	89		89	86		86
Machinists	67	3	70	61	4	65
Carpenters and masons	51	3	54	57	3	60
Other mechanics	95	15	110	93	17	110
All other employees	544	276	820	495	326	821
Total	**1,954**	**5,420**	**7,374**	**1,892**	**5,492**	**7,384**

Table 126.—Capital Employed in the Coal Mines of Alberta, 1938 and 1939

—	1938	1939
	$	$
Capital employed as represented by—		
Cost of lands, buildings, machinery and tools	30,005,646	29,811,382
Cost of supplies and stock on hand	652,481	821,006
Cash, trading and operating accounts and bills receivable	6,542,583	6,333,786
Total	**37,200,710**	**36,966,174**

CHAPTER TEN

BRITISH COLUMBIA

An increase of 17·5 per cent was recorded in the output of coal from British Columbia mines in 1939 compared with the preceding year's output; the totals were 1,692,755 tons and 1,440,287 tons, respectively. Production from the Crow's Nest Pass district rose 30·5 per cent to 629,392 tons. The Inland district produced 229,692 tons as against 216,311 tons in 1938. In the Island district, production advanced 12·4 per cent to 833,671 tons.

In 1939, British Columbia mines shipped 1,388,998 tons of coal (exclusive of local sales to employees); in 1938, shipments totalled 1,187,427 tons. Consumers within the province purchased 36·1 per cent of the 1939 shipments, railroads purchased 31·5 per cent and purchases for ships' bunkers accounted for 18 per cent; the remainder of the coal shipped was consigned to the United States, Manitoba, Ontario, Alaska, Saskatchewan and Alberta.

Retail coal dealers purchased 284,000 tons direct from the mines in 1939; this total consisted of 103,000 tons of lump, 64,000 tons of pea, 41,000 tons of slack, 36,000 tons of nut, 29,000 tons of egg and 11,000 tons of run-of-mine. Purchases by industrial consumers totalled 257,000 tons, of which 34·6 per cent was slack. Domestic users and employees purchased 47,000 tons; 59·6 per cent of this coal was lump.

Employment was furnished by the British Columbia coal mining industry to 2,826 wage-earners who worked 696,558 man-days during the year, or an average of 246 days per man. During 1938, there were 2,833 men employed who averaged 229 days per man or a total of 647,686 man-days work.

Eighty-one compressed air machines were used in British Columbia coal mines in 1939 to produce 1,031,772 tons of coal or 61 per cent of the tonnage mined. Explosives used during the year amounted to 312,863 pounds or approximately 0·1 pounds per ton of coal mined.

Table 127.—Output of Coal from British Columbia Mines, 1836-1939

(Short tons)

Calendar year	Output	Value	Calendar year	Output	Value	Calendar year	Output	Value
		$			$			$
1836-1866	214,410	765,748	1892	937,218	2,510,406	1917	2,433,888	8,235,716
1867	34,988	124,956	1893	1,093,980	2,930,304	1918	2,568,589	11,494,681
1868	49,286	176,020	1894	1,112,628	2,980,254	*1919	2,649,516	13,512,532
1869	40,098	143,208	1895	1,058,045	2,834,049	*1920	3,095,011	18,105,814
1870	33,424	119,372	1896	1,003,769	2,688,666	*1921	2,890,291	15,676,774
1871			1897	1,019,390	2,730,510	*1922	2,927,033	14,622,317
1872	166,274	593,836	1898	1,263,680	3,384,858	*1923	2,823,306	13,813,520
1873			1899	1,431,101	3,833,307	*1924	2,193,667	10,601,998
1874	90,788	243,183	1900	1,791,833	4,799,553	*1925	2,742,252	11,720,373
1875	109,361	292,932	1901	1,919,488	5,141,487	*1926	2,613,719	10,612,915
1876	157,007	420,555	1902	1,808,441	4,844,040	*1927	2,746,243	10,934,777
1877	156,455	419,076	1903	1,676,581	4,490,844	*1928	2,804,594	11,094,353
1878	213,750	572,544	1904	1,862,625	4,989,174	*1929	2,490,378	10,160,789
1879	260,277	697,170	1905	1,945,452	5,211,030	*1930	2,083,818	8,421,572
1880	305,045	817,086	1906	2,146,262	5,748,915	*1931	1,876,406	7,150,996
1881	257,056	688,542	1907	2,364,898	7,390,306	*1932	1,681,490	6,392,801
1882	323,201	865,716	1908	2,333,708	7,292,838	*1933	1,382,272	5,306,287
1883	240,075	643,059	1909	2,606,127	8,144,147	*1934	1,485,969	5,351,108
1884	441,130	1,181,598	1910	3,330,745	10,408,580	*1935	1,331,287	5,043,510
1885	372,987	999,072	1911	2,542,532	7,945,413	*1936	1,489,171	5,493,425
1886	375,415	1,005,576	1912	3,208,997	10,028,116	*1937	1,598,843	5,863,849
1887	486,142	1,302,165	1913	2,714,420	8,482,562	*1938	1,440,287	5,237,077
1888	530,467	1,445,001	1914	2,239,799	6,999,374	*1939	1,692,755	5,825,107
1889	636,439	1,704,747	1915	2,065,613	6,455,041			
1890	767,586	2,056,035	1916	2,584,061	8,075,190	Total	166,503,066	381,315,980
1891	1,130,227	3,027,528						

* The tonnage shown for 1919-1939 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 128.—Output of Coal from British Columbia Mines, by Months, 1935-1939

(Short tons)

Month	1935	1936	1937	1938	1939
January	142,181	127,373	135,718	139,025	123,575
February	107,148	140,327	133,276	135,047	113,426
March	100,201	125,886	149,918	129,001	134,673
April	111,747	126,856	136,833	114,465	128,474
May	103,949	118,952	114,070	104,929	132,837
June	93,030	123,484	130,399	103,215	149,769
July	96,467	118,676	126,091	96,363	150,105
August	92,275	117,328	130,043	118,351	172,408
September	101,537	115,084	140,513	118,283	131,589
October	124,526	129,532	145,307	121,263	149,169
November	132,210	120,208	123,123	127,135	147,897
December	126,016	125,465	133,552	133,210	158,833
Total	**1,331,287**	**1,489,171**	**1,598,843**	**1,440,287**	**1,692,755**

Table 129.—Output of Coal by Districts in British Columbia, 1935-1939

(Short tons)

District	1935	1936	1937	1938	1939
Crow's Nest Pass	457,149	514,161	494,963	482,417	629,392
Inland	169,409	182,982	190,650	216,311	229,692
Island	704,729	792,028	913,230	741,559	833,671
Total	**1,331,287**	**1,489,171**	**1,598,843**	**1,440,287**	**1,692,755**

Table 130.—Output of Coal by Principal Collieries in British Columbia, 1937-1939
(Average of 500 tons or over per month)

(Short tons)

Name	Address	1937	1938	1939
CROW'S NEST PASS DISTRICT—				
Crow's Nest Pass Coal Co., Ltd.	Fernie	494,963	482,417	629,392
Total		494,963	482,417	629,392
INLAND DISTRICT—				
Coalmont Collieries, Ltd.	Coalmont	105,433	89,394	83,842
Granby Cons. M.S. & P. Co., Ltd.	Princeton	22,480	74,164	93,742
Middlesboro Collieries, Ltd.	Merritt	28,309	28,780	24,739
Pleasant Valley Mining Co., Ltd.	Princeton	5,255	.....	.....
Princeton Tulameen Coal Co. Ltd.	Princeton	16,477	18,513	21,856
Wilson Mining and Investment Co. Ltd.	Vancouver	6,730	.....	.....
All other operators	.....	5,966	5,460	5,513
Total	.....	190,650	216,311	229,692
ISLAND DISTRICT—				
Beban, Frank, Lumber Co. Ltd.	Nanaimo	9,316	6,737	17,454
Canadian Collieries (Dunsmuir) Ltd.	Nanaimo	469,791	429,162	*721,684
Lantzville Collieries Ltd.	Lantzville	6,351	5,237	4,342
Western Fuel Corporation of Canada, Ltd.	Nanaimo	421,319	292,445	83,835
All other operators	.....	6,453	7,978	6,346
Total	.....	913,230	741,559	833,671
Total British Columbia	.....	**1,598,843**	**1,440,287**	**1,692,755**

* Includes Western Fuel Corporation's output since July, 1939.

Table 131.—Tonnage Lost in British Columbia Mines, Showing, by Districts, the Relative Percentage Produced and Lost, with an Analysis of the Percentage Lost, 1938 and 1939

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	1938	69	31	.....	29·9	.....	1·1	.....
	1939	74	26	.....	25·0	0·2	.....	0·8
Inland	1938	79	21	.....	21·0	.....	.....	.....
	1939	79	21	.....	20·8	.....	.....	0·2
Island	1938	76	24	0·3	23·6	.....	.....	0·1
	1939	84	16	0·4	15·4	.....	0·1	0·1
British Columbia	**1938**	**74**	**26**	**0·1**	**25·5**	.....	**0·3**	**0·1**
	1939	**79**	**21**	**0·3**	**19·9**	**0·2**	**0·1**	**0·5**

Table 132.—Disposition of Coal from British Columbia Mines, by Grades, 1938 and 1939

(Short tons)

Description	1938		1939					
	Total		Run-of-mine	Lump	Nut and other grades	Slack	Total	
	Quantity	Value					Quantity	Value
		$						$
Supplied to employees for domestic consumption	18,283	56,637	4,392	11,870	1,426	.....	17,688	56,755
Shipped as per Table 133	1,187,427	4,831,337	354,718	429,802	363,341	241,137	1,388,998	5,521,807
Used under colliery boilers, etc.	78,553	199,225	17,314	102	125	44,478	62,019	154,592
Used by companies' railroads	3,633	18,131	.....	3,494	1,216	.....	4,710	22,958
Used in making coke at colliery	86,615	213,435	.....	.....	.....	87,615	87,615	190,125
Put on bank	61,221	209,162	3,638	16,996	18,454	41,935	81,023	278,551
Put on waste heap	79,830	.....	.....	.....	.....	.....	146,192	.....
Total disposition	**1,515,562**	**5,528,227**	**380,062**	**462,264**	**384,562**	**415,165**	**1,788,245**	**6,224,788**
Lifted from bank	72,542	291,150	3,934	54,533	22,979	13,647	95,093	399,681
Lifted from waste heap	2,733	.....	.....	.....	.....	.....	397	.....
Total output	**1,440,287**	**5,237,077**	**376,128**	**407,731**	**361,583**	**401,518**	**1,692,755**	**5,825,107**

Table 133.—Shipments of Coal from British Columbia Mines, by Grades and Destination, 1938 and 1939

(Short tons)

Destination	1938					1939				
	Run-of-mine	Lump	Nut and other grades	Slack	Total	Run-of-mine	Lump	Nut and other grades	Slack	Total
British Columbia	31,449	155,726	228,915	79,655	495,745	27,804	138,587	214,810	120,129	501,330
Alberta	349	.....	695	6,004	7,048	311	.....	616	7,275	8,202
Saskatchewan	2,019	206	2,563	2,557	7,345	2,236	127	3,766	2,604	8,733
Manitoba	1,807	456	15,591	41,600	59,454	2,081	439	21,204	40,759	64,483
Ontario	199	173	.....	.....	372	346	397	186	15,432	16,361
United States	990	15,005	23,068	42,549	81,612	1,230	14,819	21,703	54,150	91,902
Alaska	.....	12,391	452	.....	12,843	.....	9,251	338	.....	9,589
Railroads for locomotive use—										
(a) In Canada	234,246	115,319	11,977	239	361,781	311,038	105,681	11,369	146	428,834
(b) In the United States	7,965	.....	.....	.....	7,965	9,072	.....	.....	.....	9,072
Bunker	.....	101,318	51,944	.....	153,262	.....	160,501	89,349	642	250,492
Total	**279,024**	**400,594**	**335,205**	**172,604**	**1,187,427**	**354,718**	**429,802**	**363,341**	**241,137**	**1,388,998**

Table 134.—Exports of Canadian Coal through British Columbia Ports, 1935-1939

(Short tons)

Port	1935	1936	1937	1938	1939
Abbotsford	.....	.....	.....	.....	.....
Cranbrook	47,696	71,798	95,109	85,185	95,407
Fernie	10,232	2,280	5	.....	.....
Grand Forks	.....	.....	.....	.....	.....
Nanaimo	59,692	52,767	50,386	53,244	47,266
Nelson	.....	1	20	7	.....
New Westminster	109	41	17	3	13
Penticton	60	52	67	107	112
Prince Rupert	18	87	35	46	36
Vancouver	.....	.....	.....	.....	.....
Victoria	.....	410	.....	.....	.....
Total	**117,807**	**127,436**	**145,639**	**138,592**	**142,834**

Table 135.—*Imports into British Columbia of Anthracite, Bituminous and Lignite Coal, by Ports of Entry, 1938 and 1939

(Short tons)

Port	Source	1938				1939						
						Anthracite						
		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.	Total	Bituminous, all grades	Lignite	Total
Abbotsford	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cranbrook	U.S.	5	.....	120	125	.....	.....	.....	.....	.....	.....	.....
Fernie	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Grand Forks	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Greenwood	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	35	.....	35
Nanaimo	U.S.	.....	30	.....	30	.....	.....	.....	.....	95	72	167
Nelson	U.S.	.....	114	52	166	.....	.....	.....	.....	77	285	362
New Westminster	U.S.	30	69	243	342	.....	.....	.....	.....	.....	.....	.....
	G.B.	.....	.....	.....	.....	.....	.....	.....	.....	.....	71	71
Penticton	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	104	.....	104
Prince Rupert	U.S.	.....	118	.....	118	.....	.....	.....	.....	30	.....	30
Revelstoke	U.S.	.....	30	.....	30	.....	.....	.....	.....	1,352	2,013	3,365
Vancouver	U.S.	245	1,631	2,202	4,078	.....	.....	.....	.....	.....	.....	.....
	G.B.	.....	57	.....	57	.....	.....	.....	.....	.....	.....	.....
	Germany	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Japan	.....	417	.....	417	.....	.....	.....	.....	.....	.....	.....
Victoria	U.S.	.....	209	.....	209	.....	.....	.....	.....	92	.....	92
	G.B.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total	**U.S.**	**280**	**2,201**	**2,617**	**5,098**	.....	.....	.....	.....	**1,785**	**2,441**	**4,226**
	G.B.	.....	**57**	.....	**57**	.....	.....	.....	.....	.....	.....	.....
	Germany	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Japan	.....	**417**	.....	**417**	.....	.....	.....	.....	.....	.....	.....
Grand total	.....	**280**	**2,675**	**2,617**	**5,572**	.....	.....	.....	.....	**1,785**	**2,441**	**4,226**

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

Table 136.—Summary Statistics for British Columbia in 1939—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.	Imported from Great Britain	Imported from Japan	Coal available for consumption
	Output	Received from other provinces	Shipped to other provinces	Exported				
January—								
Anthracite								
Bituminous	123,575	12,481	8,248	12,864	95			115,039
Sub-bituminous		4,652						4,652
Lignite		4,687		782	302			4,207
Total	123,575	21,820	8,248	13,646	397			123,898
February—								
Bituminous	113,426	12,136	9,282	14,269	115			102,126
Sub-bituminous		4,632						4,632
Lignite		6,070		643	720			6,147
Total	113,426	22,838	9,282	14,912	835			112,905
March—								
Anthracite								
Bituminous	134,673	13,693	8,056	11,182	115			129,243
Sub-bituminous		1,830						1,830
Lignite		2,772		176	136			2,732
Total	134,673	18,295	8,056	11,358	251			133,805
April—								
Anthracite								
Bituminous	128,474	10,602	6,336	5,881				126,919
Sub-bituminous		187						187
Lignite		1,417			65			1,482
Total	128,474	12,266	6,336	5,881	65			128,588
May—								
Anthracite								
Bituminous	132,837	11,753	8,437	9,714	214			126,653
Sub-bituminous		751						751
Lignite		1,107		1	80			1,186
Total	132,837	13,611	8,437	9,715	294			128,590
June—								
Anthracite								
Bituminous	149,769	11,336	7,568	9,258	52			144,331
Sub-bituminous		285						285
Lignite		615						615
Total	149,769	12,236	7,568	9,258	52			145,231
July—								
Anthracite								
Bituminous	150,105	10,738	4,201	5,178	69			151,533
Sub-bituminous		394						394
Lignite		701			105			806
Total	150,105	11,833	4,201	5,178	174			152,733
August—								
Anthracite								
Bituminous	172,408	8,835	5,972	9,709	420			165,982
Sub-bituminous		2,757						2,757
Lignite		3,989		34	58			4,013
Total	172,408	15,581	5,972	9,743	478			172,752
September—								
Anthracite								
Bituminous	131,589	12,636	9,827	17,800	160			116,758
Sub-bituminous		4,638						4,638
Lignite		10,933		270	155			10,818
Total	131,589	28,207	9,827	18,070	315			132,214
October—								
Anthracite								
Bituminous	149,109	13,442	11,160	17,870	320			133,892
Sub-bituminous		7,181						7,181
Lignite		11,318		429	264			11,153
Total	149,109	31,941	11,160	18,308	584			152,226

Table 136.—Summary Statistics for British Columbia in 1939—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.	Imported from Great Britain	Imported from Japan	Coal available for consumption
	Output	Received from other provinces	Shipped to other provinces	Exported				
November—								
Anthracite								
Bituminous	147,897	12,323	9,528	11,625	170			139,237
Sub-bituminous		4,421						4,421
Lignite		10,077		580	239			9,736
Total	147,897	26,821	9,528	12,205	409			153,394
December—								
Anthracite								
Bituminous	158,833	13,858	9,164	14,087	55			149,495
Sub-bituminous		5,013						5,013
Lignite		5,493		473	317			5,337
Total	158,833	24,364	9,164	14,560	372			159,845
Total—								
Anthracite								
Bituminous	**1,692,755**	**143,893**	**97,779**	**139,446**	**1,785**			**1,601,208**
Sub-bituminous		**36,741**						**36,741**
Lignite		**59,179**		**3,388**	**2,441**			**58,232**
Total	**1,692,755**	**239,813**	**97,779**	**142,834**	**4,226**			**1,696,181**

Table 137.—Employees, Salaries and Wages in the Coal Mines of British Columbia, by Districts, 1938 and 1939

District	Average number of employees					Salaries and wages		
	Salaried employees		Wage-earners		Total			
	Male	Female	Surface	Underground		Salaries	Wages	Total
1938						$	$	$
Crow's Nest Pass	37	1	166	449	653	118,038	774,385	892,423
Inland	21	1	150	258	430	52,718	444,958	497,676
Island	109	8	596	1,214	1,927	276,732	1,870,123	2,146,855
British Columbia	**167**	**10**	**912**	**1,921**	**3,010**	**447,488**	**3,089,466**	**3,536,954**
1939								
Crow's Nest Pass	18	1	160	476	655	80,693	906,457	987,150
Inland	21	1	151	276	449	53,009	462,040	515,049
Island	93	9	559	1,204	1,865	234,368	2,180,661	2,415,029
British Columbia	**132**	**11**	**870**	**1,956**	**2,969**	**368,070**	**3,549,158**	**3,917,228**

Table 138.—Employment and Earnings in the Coal Mines of British Columbia, 1935-1939

—	1935	1936	1937	1938	1939
Average number of wage-earners—					
Surface	786	830	880	912	870
Underground	1,745	1,809	1,993	1,921	1,956
Total	**2,531**	**2,639**	**2,873**	**2,833**	**2,826**
Days' work done—					
Surface	197,095	224,155	239,043	226,041	233,057
Underground	411,929	461,883	502,303	421,645	463,501
Total	**609,024**	**686,038**	**741,346**	**647,686**	**696,558**
Average number of days worked per man per year—					
Surface	251	270	272	248	268
Underground	236	255	252	219	237
By all wage-earners	**241**	**260**	**258**	**229**	**246**
Total wages paid	**$2,813,429**	**$3,173,091**	**$3,568,627**	**$ 3,089,466**	**$3,549,158**

Table 139.—Wage-Earners Employed, and Work Done by Months in the Coal Mines of British Columbia in 1939

Month	Number of wage-earners			Days' work done		
	Surface	Underground	Total	Surface	Underground	Total
January	926	1,950	2,876	19,487	36,059	55,546
February	861	1,887	2,748	16,405	31,424	47,829
March	857	1,853	2,710	19,429	37,669	57,098
April	812	1,836	2,648	17,371	34,745	52,116
May	851	1,847	2,698	18,210	35,194	53,404
June	855	1,928	2,783	19,020	38,252	57,272
July	882	2,005	2,887	19,750	39,922	59,672
August	891	2,021	2,912	21,856	45,076	66,932
September	901	2,036	2,937	20,131	38,399	58,530
October	874	2,007	2,881	21,057	41,008	62,065
November	873	2,050	2,923	20,845	42,711	63,556
December	804	2,065	2,869	19,496	43,042	62,538
Total	.....	.....	.....	**233,057**	**463,501**	**696,558**

Table 140 —Number of Man-Days Worked in British Columbia, by Districts, 1938 and 1939

District	1938			1939		
	Surface	Underground	Total	Surface	Underground	Total
Crow's Nest Pass	35,820	96,591	132,417	35,900	107,662	143,562
Inland	41,024	56,620	97,644	38,914	60,074	98,988
Island	149,191	268,434	417,625	158,243	295,765	454,008
Total	**226 011**	**421,645**	**647,686**	**233,057**	**463,501**	**696,558**

Table 141.—Wage-Earners in the Coal Mines of British Columbia, by Classes, 1938 and 1939

Classification	1938			1939		
	Surface	Underground	Total	Surface	Underground	Total
Administration	14		14	15		15
Foremen and officials	33	83	116	34	84	118
Clerks	27		27	27		27
Screenmen and loaders	148		148	152		152
Hand cutters and helpers		418	418		378	378
Machine cutters and helpers		156	156		181	181
Machine loaders and helpers		368	368		395	395
Horse haulage employees	2	139	141	2	107	109
Mechanical haulage employees	15	277	292	14	329	343
Ventilation employees		42	42		44	44
Roadmakers	1	30	31	1	26	27
Timbermen	5	108	113	5	123	128
Pumpmen		2	2		2	2
Chute loaders		31	31		34	34
Enginemen	57		57	51	1	52
Firemen	31		31	27		27
Machinists	43	6	49	42	8	50
Carpenters and masons	46		46	49		49
Other mechanics	121	98	219	108	98	206
All other white employees	262	163	425	245	145	390
Japanese	3		3	3		3
Chinese	104		104	95	1	96
Indians						
Total	**912**	**1,921**	**2,833**	**870**	**1,956**	**2,826**

Table 142.—Capital Employed in the Coal Mines of British Columbia, 1938 and 1939

—	1938	1939
	$	$
Capital employed as represented by—		
Cost of lands, buildings, machinery and tools	23,146,576	19,492,252
Cost of supplies and stock on hand	466,636	244,763
Cash, trading and operating accounts and bills receivable	1,923,352	2,076,651
Total	**25,536,564**	**21,813,666**

CHAPTER ELEVEN

YUKON

No coal was mined in Yukon in 1939; in the previous year, 361 tons were produced. Forty-five tons of bituminous coal were imported through the customs ports of Dawson and White Horse during the year.

Table 143.—Output of Coal from Yukon Mines, 1901-1939

(Short tons)

Calendar year	Short tons	Value	Calendar year	Short tons	Value	Calendar year	Short tons	Value
		$			$			$
1901	(a) 5,864	86,230	1915	9,724	38,896	*1928	414	2,915
1902	4,910	37,280	1916	3,300	13,200	*1929	458	1,848
1903	1,849	29,584	1917	4,872	†29,232	*1930	653	3,110
1904			1918	2,900	11,600	*1931	904	5,039
1905	7,000	21,000	*1919			*1932	808	3,491
1906	7,000	28,000	*1920			*1933	862	3,670
1907	15,000	60,000	*1921	233	2,472	*1934	638	2,217
1908	3,847	21,158	*1922	465	4,650	*1935	835	3,483
1909	7,364	49,502	*1923	313	1,485	*1936	510	2,286
1910	16,185	110,925	*1924	1,121	8,265	*1937	84	812
1911	2,840	12,780	*1925	730	7,147	*1938	361	3,400
1912	9,245	44,958	*1926	316	800	*1939		
1913	19,722	95,945	*1927	414	2,052			
1914	13,443	53,760				Total	145,184	883,192

(a) Part of this production was mined in 1900.
†Value not reported, but estimated.
*For the years 1919-1939 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 144.—Disposition of Coal Output from Yukon Mines, by Grades, 1938 and 1939

(Short tons)

—	1938					1939				
	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										
Shipped (all to Yukon points)	107	254		361	3,400					
Used under colliery boilers, etc.										
Put on bank										
Put on waste heap										
Total disposition	107	254		361	3,400					
Lifted from bank										
Total output	107	254		361	3,400					

Table 145.—Imports of Bituminous Coal into Yukon and Exports of Canadian Coal through Yukon Ports, 1935-1939

(Short tons)

—	1935	1936	1937	1938	1939
IMPORTS—					
Dawson	20	37	35	10	*89
White Horse		24	28	16	8
Total	20	61	63	26	97
EXPORTS—					
Dawson		1			
White Horse	28				
Total	28	1			

* Includes 74 tons of lignite coal.

Table 146.—Summary Statistics for 1939—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.	Imported from Alaska	Coal available for consumption
	Output	Received from other provinces	Shipped to other provinces	Exported			
March—							
Bituminous							
April—							
Bituminous							
May—							
Bituminous							
June—							
Bituminous							
July—							
Bituminous					15		15
August—							
Lignite					22		22
September—							
Lignite						25	25
October—							
Lignite						27	27
December—							
Bituminous					8		8
Total—Bituminous					**23**		**23**
Lignite					**22**	**52**	**74**
Total					**45**	**52**	**97**

Table 147.—Employment and Earnings in the Coal Mines of Yukon, 1935-1939

—	1935	1936	1937	1938	1939
Average number of wage-earners—					
Surface	1	1			
Underground	2	2	2	2	
Total	**3**	**3**	**2**	**2**	
Days' work done—					
Surface	50	44			
Underground	100	88	20	86	
Total	**150**	**132**	**20**	**86**	
Average number of days worked per man per year—					
Surface	50	44			
Underground	50	44	10	43	
By all wage-earners	**50**	**44**	**10**	**43**	
Total wages paid	**$ 1,050**	**$ 1,439**	**$ 160**	**$ 690**	

CHAPTER TWELVE

WORLD PRODUCTION OF COAL

Table 148.—World Production of Coal* 1935-1939

(Including brown coal)
(Long tons)

Country	1935	1936	1937	1938	1939
British Empire					
Great Britain—					
Anthracite	6,798,415	6,525,225	6,335,776	6,278,140	†
Bituminous	215,453,637	221,923,131	234,073,660	220,737,168	†
Northern Ireland	.....	5,256	1,203	1,203	†
Eire—					
Anthracite	85,738	95,214	104,966	90,701	89,026
Semi-bituminous	26,985	29,509	20,958	27,751	28,732
Nigeria	257,819	291,651	363,181	362,516	†
Southern Rhodesia	683,654	693,947	1,013,086	1,027,342	1,099,879
Union of South Africa	13,359,509	14,607,313	15,246,129	16,026,987	16,623,533
Canada—					
Bituminous	8,704,322	9,639,406	10,387,838	9,223,020	10,508,300
Sub-bituminous	505,737	505,567	452,018	436,531	457,233
Lignite	3,189,946	3,452,511	3,299,388	3,103,590	3,045,804
British Borneo—					
Brunei	838	184	444	464	32
State of North Borneo	.....	.....	.....	.....	.....
Federated Malay States	377,441	502,823	627,890	477,908	441,025
India—					
Gondwana Coalfields	22,607,552	22,212,457	24,571,343	27,823,951	27,767,492
Tertiary Coalfields	409,143	398,364	465,043	518,955	
Used by miners	575,000	565,000	626,000	709,000	†
Australia—					
Bituminous	10,887,954	11,370,409	12,074,274	11,680,159	†
Lignite	2,221,515	3,044,897	3,393,919	3,675,450	†
New Zealand—					
Bituminous	825,227	858,857	969,984	977,850	1,044,609
Brown coal	1,170,805	1,150,071	1,186,320	1,112,414	1,159,963
Lignite	119,152	131,289	121,495	131,824	138,067
Total British Empire	288,000,000	298,000,000	315,000,000	304,000,000	.....
Foreign Countries					
Albania—					
Lignite	2,000	3,000	4,000	4,000	†
Austria—					
Bituminous	256,484	240,480	220,584	222,000	†
Brown coal	2,923,765	2,851,446	3,190,571	3,477,000	†
Belgium—					
Anthracite and semi-anthracite	5,158,236	5,981,898	6,588,307	6,765,946	29,375,500
Bituminous	20,929,493	21,445,070	22,799,348	22,351,652	
Bulgaria—					
Anthracite	2,188	2,286	2,502	3,937	†
Bituminous	89,318	98,379	116,021	136,041	†
Lignite	1,541,239	1,551,206	1,704,703	1,825,898	†
Czechoslovakia—					
Bituminous	10,722,420	12,039,975	16,512,541	13,300,000	†
Brown coal	14,874,878	15,696,878	17,612,727	12,900,000	†
France—					
Saar	(d) 1,673,228	.....	.....	.....	.....
Other districts—					46,809,000
Anthracite and bituminous (a)	45,482,687	44,513,214	43,618,141	45,762,612	†
Lignite	892,409	928,333	999,522	1,040,552	
Germany—					†
Bituminous	140,744,275	155,782,899	181,598,670	183,238,362	†
Brown coal	144,748,744	158,847,655	181,791,547	191,898,839	
Greece—					†
Lignite	91,163	103,953	129,013	106,304	
Hungary—					†
Bituminous	809,825	813,783	902,545		
Brown coal	6,146,993	6,501,139	7,927,904	9,211,880	
Lignite	464,588	491,652			
Lignite (dehydrated)	118,992	122,277	140,919		

Table 148.—World Production of Coal* 1935-1939—Concluded

(Including brown coal)

(Long tons)

Country	1935	1936	1937	1938	1939
Italy—					
Anthracite	69,042	78,709	93,559	130,109	100,000
Bituminous	366,477	714,696	855,654	2,185,904	1,041,290
Brown coal	536,867	756,425	1,042,502		1,894,600
Jugoslavia—					
Bituminous	393,624	434,384	432,405	4,401,672	439,070
Brown coal	3,034,480	3,017,941	3,475,749		4,244,118
Lignite	936,659	952,916	1,046,889	1,249,478	1,289,063
Netherlands—					
Bituminous	11,690,250	12,600,340	14,095,084	13,274,508	12,658,370
Brown coal	84,843	87,377	140,798	167,942	†
Poland—					
Bituminous	28,091,945	29,278,040	35,646,160	37,502,220	†
Brown coal	18,170	13,305	18,616	9,376	†
Portugal—					
Anthracite	202,139	204,450	228,260	277,290	245,138
Bituminous	5,390	8,165	17,168	16,581	18,031
Brown coal	19,476	20,395	22,439	14,619	35,598
Roumania—					
Anthracite	16,935	3,649	3,588	3,214	4,331
Bituminous	256,962	284,299	294,657	290,907	263,562
Brown coal	1,478,848	1,482,615	1,616,921	1,793,350	1,873,700
Lignite	161,589	162,805	233,856	270,236	270,477
Russia—					
Anthracite	25,147,000	27,703,000			
Bituminous	68,589,000	78,974,000	120,643,000	130,300,000	121,450,000
Lignite	13,602,000	17,333,000			
Spain—					
Anthracite	690,000	†	†	†	653,112
Bituminous	6,214,994	†	†	†	5,993,303
Brown coal	299,028	†	†	†	201,033
Spitzbergen and Bear Island	697,607	771,442	754,035	616,623	†
Sweden	416,813	448,647	453,193	424,222	†
Switzerland (b)	4,000	3,000	4,000	3,000	†
Algeria	37,316	6,791	13,997	12,979	†
Belgian Congo	11,136	13,682	35,917	40,618	†
Morocco (French)					
Anthracite	51,864	49,621	105,458	109,000	†
Mozambique	15,250	8,161	18,890	18,364	†
Greenland	6,000	4,397	6,000	†	†
Mexico	1,124,847	1,276,000	897,629	879,035	618,176
United States—					
Anthracite	46,570,342	48,731,728	46,300,387	41,159,846	45,363,000
Bituminous and lignite	332,476,002	392,042,770	397,795,937	307,705,000	347,344,000
Brazil	744,998	651,738	750,742	871,023	1,029,916
Chile	1,869,929	1,845,194	1,969,384	2,028,852	1,852,479
Colombia (estimated)	200,000	277,534	325,000	855,000	†
Peru—					
Anthracite	2,422	3,479	2,872	1,476	†
Bituminous	81,279	84,727	94,605	72,779	†
Venezuela (c)	5,000	7,000	11,737	5,601	†
China	12,000,000	12,000,000	†	†	†
Netherlands East Indies	1,093,407	1,129,078	1,341,971	1,433,641	1,752,509
Formosa	1,572,000	1,716,236	†	†	†
French Indo-China—					
Anthracite	1,714,400	2,116,108	2,229,206	2,249,500	†
Bituminous	33,300	34,876	42,348	53,800	†
Brown coal					
Lignite				4,100	†
Japan—					
Semi-anthracite and bituminous	37,166,085	37,466,000	†	†	†
Brown coal	106,812	107,000	†	†	†
Karafuto	1,491,709	2,042,383	2,495,528	†	†
Korea—					
Anthracite	1,062,283	1,035,240	2,311,000		
Lignite	905,296	1,210,712		†	†
Manchuria	14,000,000	11,830,000	†	†	†
Philippine Islands	†	24,093	21,185	38,333	†
Turkey in Asia—					
Bituminous	2,303,526	2,262,345	2,270,435	2,519,000	2,650,000
Lignite	72,196	94,304	113,252	142,298	158,027
Total Foreign countries	1,020,000,000	1,120,000,000	1,200,000,000	1,120,000,000	
Grand Total	**1,310,000,000**	**1,420,000,000**	**1,510,000,000**	**1,420,000,000**	

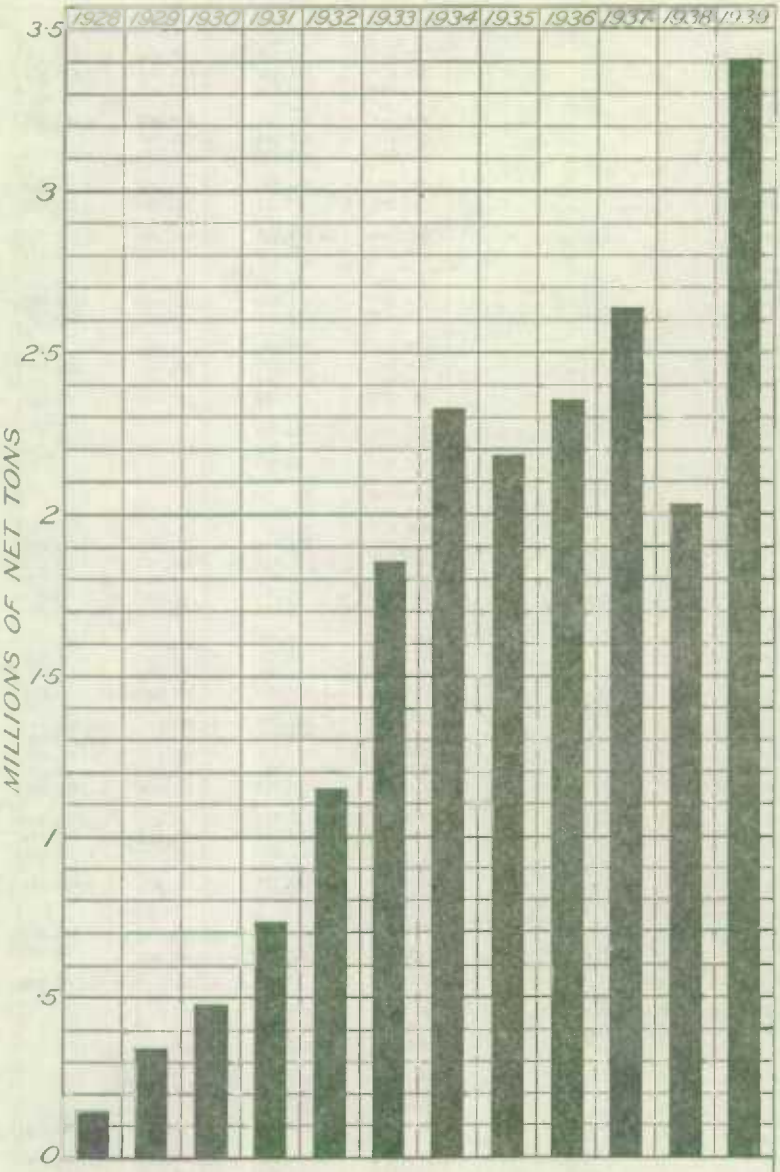
*Data obtained from *The Mineral Industry of the British Empire and Foreign Countries.*
† Information not available.
(a) Includes about 6,000,000 tons of anthracite each year.
(b) United States Bureau of Mines estimate.
(c) Excluding production in government owned mines.
(d) January to February 17th, only, after which date production is included with that of Germany.

DOMINION FUEL BOARD

CANADIAN COAL MOVED UNDER ASSISTED RATES

1928-1939

CALENDAR YEARS



THOUSANDS OF NET TONS

From:-	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939
N.S.	114	304	372	402	710	1,384	1,748	1,588	1,677	1,90-	1,377	2421
N.B.	—	—	—	—	1	1	10	14	21	41	32	54
ALTA.	32	37	89	204	238	26-	323	339	364	324	323	528
SASK.	Nil	Nil	20	60	100	131	144	139	147	164	146	160
B.C.	Nil	Nil	Nil	66	99	80	98	102	143	2--	153	241
Total	146	342	480	733	1,149	1,856	2324	2,182	2,352	2637	2,031	3,4--

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. 2789 *Superseded by P.C. 3969—Dec. 5, 1939*

The Committee of the Privy Council have had before them a report, dated 4th November, 1938, from the Minister of Mines and Resources referring to Order in Council, P.C. 1862, of the 4th day of August, 1936, which authorizes assistance to the movement of coal mined in the Province of Nova Scotia and shipped to consuming points in the Provinces of Quebec and Ontario.

The Government realizing the importance of extending the markets for Canadian coal, particularly in the Province of Ontario, is willing to increase the present rates of subvention authorized in the above mentioned Order in Council, P.C. 1862 on movements of Nova Scotia coal to the Province of Ontario, under conditions described hereunder:—

The Committee, therefore, on the recommendation of the Minister of Mines and Resources, advise that the said Order in Council, P.C. 1862 of August 4th, 1936, 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 East of Levis and the Quebec terminals) for use by consumers other than the railways, the assistance granted shall be by a thirty percent (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 two dollars ($2.00) per net ton, the amount of the said reduction being payable to the Railways.

(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 transhipments shall be by the reduction of 4·5 mills per ton per mile from the existing rail rates from the port of Montreal; provided that the amount of the said reduction shall in no instance exceed two dollars ($2.00) 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 (4) hereof; provided the amount of the said assistance shall in no instance exceed two dollars ($2.00) 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 points 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 4·5 mills per ton per mile from the existing rail rates; provided that the mount of the said reduction shall in no instance exceed one dollar ($1.00) 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 may 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 and fifty cents ($2.50) 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 otherwise eligible to participate who refuse or fail to furnish such information as the Minister of Mines and Resources may consider necessary in the administrative duties connected with this movement; and that for the purpose of certifying such information the Minister of Mines and Resources 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 and Resources 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 and Resources 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. 1862 of August 4, 1936, which are still in effect, shipments shall be continued under the authority of these acceptances for a period of thirty days from the date of this Order in Council.

Nova Scotia Coal to Quebec and Ontario

P.C. 1166 *(Superseded by P.C. 3969—Dec. 5, 1939)*

The Committee of the Privy Council have had before them a report, dated May 4, 1939, from the Minister of Mines and Resources, referring to an Order in Council, P.C. 2789 of November 8, 1938, which provides assistance to coal mined in the Province of Nova Scotia and shipped to points in the Provinces of Quebec and Ontario.

Sections (4) and (6) of the said Order-in-Council read as follows:—

(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 transhipments shall be by the reduction of 4·5 mills per ton per mile from the existing rail rates from the port of Montreal; provided that the amount of the said reduction shall in no instance exceed two dollars ($2.00) per net ton, the amount of the said reduction being payable to the Railways.

(6) With respect to coal mined in the Province of Nova Scotia and carried by *water transportation* to any points 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 4·5 mills per ton per mile from the existing rail rates; provided that the amount of the said reduction shall in no instance exceed one dollar ($1.00) per net ton and shall be payable to the Railways.

The Minister recommends that the provisions of the said sections (4) and (6) be rescinded and the following substituted in lieu thereof:

(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 Hull, Timiskaming and Gatineau, points in the Province of Quebec, for use by consumers other than the railways, the assistance granted for such transhipments shall be by the reduction of 4·5 mills per ton per mile from the existing rail rates from the port of Montreal; provided that the amount of the said reduction shall in no instance exceed two dollars ($2.00) per net ton, the amount of the said reduction being payable to the Railways.

(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 (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 4·5 mills per ton per mile from the existing rail rates; provided that the amount of the said reduction shall in no instance exceed fifty cents (50c.) per net ton and shall be payable to the Railways.

With respect to acceptances issued by the Dominion Fuel Board under sections (4) and (6) of Order in Council P.C. 2789 of November 8, 1938, which are still in effect, shipments may be continued under the authority of these acceptances until completed.

P.C. 3969—*(December 5, 1939)*

The Committee of the Privy Council have had before them a report, dated 27th November, 1939, from the Acting Minister of Mines and Resources, with reference to an Order in Council, P.C. 2789 of the 8th day of November, 1938, which authorizes assistance to the movement of coal mined in the Province of Nova Scotia and shipped to consuming points in the Provinces of Quebec and Ontario.

The Government, realizing the necessity for the strictest economy in all matters of expenditure, proposes to reduce the present rates of assistance authorized in the above mentioned Order in Council P.C. 2789, which provides assistance for the movements of Nova Scotia coal under certain conditions.

The Committee, therefore, on the recommendation of the Acting Minister of Mines and Resources, advise that the said Order in Council P.C. 2789 of November 8, 1938, together with amendments thereto, be hereby rescinded and that:

(1) Movements of coal mined in the Province of Nova Scotia 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 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 Railways and points on the railways east 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.

(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 the 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.

(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 Hull, Timiskaming and Gatineau in the Province of Quebec, for use by consumers other than the railways, the assistance granted for such transhipments 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 the 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 points situated West of the Island of Montreal, for use by consumers other than the railways, the assistance granted shall be the same amount as that provided for rail movements as authorized in the preceding section (4) hereof; provided the amount of the said assistance shall in no instance exceed one dollar and fifty cents ($1.50) per net ton, the amount of the said assistance being payable 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 points situated West of the Island of Montreal under 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 once cent per ton per mile from the existing rail rates; provided that the amount of the said reduction shall in no instance exceed fifty cents (50c.) per net ton, the amount of the said reduction being 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 Province of Ontario, payments may 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; provided that the amount of the said assistance shall in no instance exceed two dollars and fifty cents ($2.50) per net ton, and 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 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 otherwise eligible to participate who refuse or fail to furnish such information as the Minister of Mines and Resources may consider necessary in the administrative duties connected with this movement; and that for the purpose of certifying such information the Minister of Mines and Resources 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 and Resources 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 and Resources as to the amounts paid under this Order in Council each year during the said period.

(13) With respect to acceptances still in effect, issued by the Dominion Fuel Board under authority of Orders in Council P.C. 2789 of November 8, 1938, and P.C. 1166 of May 22, 1939, shipments shall be continued under the authority of these acceptances until completed.

New Brunswick Coal to Quebec and Ontario

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 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 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. 895 *(Superseded by P.C. 3972—Dec. 5, 1939)*

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.

P.C. 3972—*(December 5, 1939)*

The Committee of the Privy Council have had before them a report, dated 27th November, 1939, from the Acting Minister of Mines and Resources, with reference to an Order in Council, P.C. 895 of the 9th day of April, 1936, which authorizes assistance to coal mined in the Province of Saskatchewan and shipped to points in the Province of Manitoba.

The Government, realizing the necessity for the strictest economy in all matters of expenditure, proposes to curtail the present rates of assistance authorized in the above mentioned Order in Council P.C. 895 which provides assistance to coal mined in the Province of Saskatchewan.

The Committee, therefore, on the recommendation of the Acting Minister of Mines and Resources, advise that the said Order in Council P.C. 895 of April 9, 1936, be hereby rescinded and that:—

(1) Coal mined in the Province of Saskatchewan and shipped to points in the Provinces of Manitoba 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 Saskatchewan and shipped to points in the Province of Ontario 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; provided that the amount of the said reduction shall in no instance exceed one dollar ($1.00) per net ton, the amount of the said reduction being payable to the railways.

(3) With respect to coal mined in the Province of Saskatchewan 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 thirty per cent (30%) reduction of the freight rate in effect at the time of shipment, provided that the amount of the said reduction shall in no instance exceed one dollar ($1.00) per net ton, the amount of the said reduction being payable to the railways.

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

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

(6) The assistance shall not be granted to those otherwise eligible to participate who refuse or fail to furnish such information as the Minister of Mines and Resources may consider necessary in the administrative duties connected with this movement; and that for the purpose of certifying such information the Minister of Mines and Resources 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.

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

(8) 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 and Resources as to the amounts paid under this Order in Council each year during the said period.

(9) With respect to acceptances still in effect, issued by the Dominion Fuel Board under authority of Order in Council P.C. 895 of April 9, 1936, shipments shall be continued under authority of these acceptances until completed.

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 $8.00 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.

P.C. 3386—*(January 4, 1939)*

The Committee of the Privy Council, on the recommendation of the Minister of Mines and Resources, advise that Section (1) of the Minute of Council, P.C. 740, approved 24th April, 1933—which provides assistance to coal mined in the Province of Alberta and shipped to certain points in the Province of Ontario—reading as follows:

(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," be hereby rescinded and the following substituted in lieu thereof:—

(1) "That movements of coal mined in the Province of Alberta and in the Crow's Nest Pass district of British Columbia 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".

Alberta and British Columbia Crow's Nest Pass Coal to Manitoba and Western Ontario

P.C. 894 *(Superseded by P.C. 3970—Dec. 5, 1939)*

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 Crowsnest 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 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 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 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 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.

P.C. 3970—*(December 5, 1939)*

The Committee of the Privy Council have had before them a report, dated 27th November, 1939, from the Acting Minister of Mines and Resources, with reference to an Order in Council P.C. 894 of the 9th day of April, 1936, which authorizes assistance to the movement of coal mined in the Province of Alberta and in the Crowsnest Pass District of the Province of British Columbia and shipped to consuming points in the Provinces of Manitoba and Ontario.

The Government, realizing the necessity for the strictest economy in all matters of expenditure, proposes to reduce the present rates of assistance and the areas to which this coal is shipped, as authorized in the above mentioned Order in Council P.C. 894, which provides assistance for the movements of Alberta and Crowsnest Pass coal of British Columbia under certain conditions.

The Committee, therefore, on the recommendation of the Acting Minister of Mines and Resources, advise that the said Order in Council P.C. 894 of April 9, 1936, be hereby 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 Provinces of Manitoba 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 Alberta and in the Crowsnest Pass District of British Columbia and shipped 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 by a reduction of thirty per cent (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 ($2.00) 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 Crowsnest Pass District 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 a reduction of thirty per cent (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 ($2.00) per net ton, the amount of the said reduction being payable to the railways.

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

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

(6) The assistance shall not be granted to those otherwise eligible to participate who refuse or fail to furnish such information as the Minister of Mines and Resources may consider necessary in the administrative duties connected with this movement; and that for the purpose of certifying such information the Minister of Mines and Resources 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.

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

(8) 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 and Resources as to the amounts paid under this Order in Council each year during the said period.

(9) With respect to acceptances still in effect, issued by the Dominion Fuel Board under authority of Order in Council P.C. 894 of April 9, 1936, shipments shall be continued under the authority of these acceptances until completed.

British Columbia Coal for Bunker and Export

P.C. 1122 *(Superseded by P.C. 3971—Dec. 5, 1939)*

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.

P.C. 3971—*(December 5, 1939)*

The Committee of the Privy Council have had before them a report, dated 27th November, 1939, from the Acting Minister of Mines and Resources, with reference to an Order in Council, P.C. 1122 of the 28th day of May, 1934, which authorizes assistance to coal mined in the Province of British Columbia and sold as fuel for ships' stores or for export to foreign countries.

The Government, realizing the necessity for the strictest economy in all matters of expenditure, proposes to reduce the present rates of assistance authorized in the above mentioned Order in Council P.C. 1122, which provides assistance to coal mined in the Province of British Columbia.

The Committee, therefore, on the recommendation of the Acting Minister of Mines and Resources, advise that the said Order in Council P.C. 1122 of May 28, 1934, be hereby rescinded and that:—

(1) Coal mined in the Province of British Columbia and sold for ships' stores or for export to foreign countries 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 British Columbia and sold for fuel as ships' stores, the assistance granted shall be the sum of seventy-five cents (75c.) per net ton, the amount of the said assistance being payable to the coal mine operators or coal distributors, provided:

(a) The assistance provided on coal sold for ships' stores shall apply only on coal sold for use by vessels navigating entirely in salt water and not for use by vessels operating on inland lakes of British Columbia.

(3) 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 ($1.00) per net ton, the amount of the said assistance being payable to the coal mine operator or coal distributor, provided:

(a) The assistance provided on coal sold for export shall apply to coal exported for consumption in foreign countries other than the United States of America or its territorial possessions.

(4) 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.

(5) That the assistance shall not be granted to those applying who refuse or fail to furnish such information as the Minister of Mines and Resources may consider necessary in the administrative duties connected with this assistance; and that for the purpose of certifying such information the Minister of Mines and Resources 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.

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

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

(8) The authority herein provided shall become effective the first day of January, 1940.