

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

COAL STATISTICS FOR CANADA

FOR THE CALENDAR YEAR

1933

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1934

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, manufacturers of leather goods are classified under "Animal Products"; the pulp and paper industry under "Wood and Paper," etc. An outline of the scheme of classification in use for manufacturing industries is given below:

Manufactures of—

- (1) **Vegetable Products**, including—Coffee and Spices; Cocoa and Chocolate; Preserved and Canned Products; Pickles, Vinegar and Cider; Flour and Cereals; Bread and other Bakery Products; Macaroni and Vermicelli; Distilled and Brewed Liquors and Wines; Rubber Products; Starch and Glucose; Sugar; Tobacco Products; Linseed Oil and Oil Cake.
- (2) **Animal Products**, including—Fish and Fish Products; Dairy Factory Products; Meat and Meat Products; Leather and Leather Products; Furs and Fur Products.
- (3) **Textiles and Textile Products**, including—Cotton Textiles (Cloth, Yarn, Thread and Waste); Woollen Textiles (Cloth, Yarn, Blankets, Felt and Waste); Silk Products; Factory-Made Clothing; Carpets, Rugs and Mats; Cordage, Rope and Twine.
- (4) **Wood and Paper**, including—Pulp and Paper Mill Products; Paper Goods; Printing, Publishing and Lithographing; Saw and Planing Mill Products; Furniture; Carriages, Wagons and Sleighs; Wooden Containers; Woodenware; Turned Wood Products; and the Output of Similar Wood-Using Industries.
- (5) **Iron and Steel and Their Products**, including—Pig Iron and Ferro-Alloys; Steel and Rolled Products; Castings and Forgings; Boilers, Tanks and Engines; Agricultural Implements; Machinery; Automobiles; Auto Parts and Accessories; Bicycles; Railway Rolling Stock; Wire and Wire Goods; Sheet Metal Products; Hardware and Tools; Bridge Building and Structural Steel Work; Miscellaneous Iron and Steel Products.
- (6) **Manufactures of Non-Ferrous Metal Products**, including—Aluminium Products; Brass and Copper Products; Lead, Tin and Zinc Products; Jewellery and Silverware; Electrical Apparatus and Supplies; Non-Ferrous Smelting and Refining; Miscellaneous Non-Ferrous Metal Products.
- (7) **Manufactures of the Non-Metallic Minerals**, including—Aerated Waters—Asbestos Products—Cement—Cement Products—Coke and Gas—Glass (blown, cut, ornamental, etc.)—Lime—Petroleum Products—Products from Domestic Clays—Products from Imported Clays—Salt—Sand-Lime Brick—Dressed Stone—Artificial Abrasives and Abrasive Products—Miscellaneous Non-Metallic Mineral Products including (a) Artificial Graphite and Electrodes (b) Gypsum Products (c) Mica Products (d) Magnesite Products (e) Miscellaneous Non-Metallic Mineral Products, n.o.s.
- (8) **Chemicals and Allied Products**, including—Coal Tar Distillation; Acids, Alkalies, and Salts—Compressed Gases; Explosives; Ammunition and Fireworks; Fertilizers; Medicinal and Pharmaceutical Preparations; Paints, Pigments and Varnishes; Soaps and Washing Compounds—Toilet Preparations; Inks; Adhesives; Polishes and Dressings; Wool Distillation; Miscellaneous Chemical Products including (a) Baking Powder, (b) Boiler Compounds, (c) Plastics; (d) Insecticides; (e) Sweeping Compounds, (f) Disinfectants; (g) Matches; (h) Dyes and Colours; (i) Chemical Products, n.o.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.o.s.
- (5) **House Furnishings**.
- (6) **Books and Stationery**.
- (7) **Vehicles and Vessels**.
- (8) **Producers' Materials**, including—Farm Materials; Manufacturers' Materials; Building Materials; General Materials.
- (9) **Industrial Equipment**, including—Farming Equipment; Manufacturing Equipment; Trading Equipment; Service Equipment; Light, Heat and Power Equipment; General Equipment.
- (10) **Miscellaneous**.

PREFACE

Coal production in Canada during 1933 totalled 11,903,344 short tons, a 1·4 per cent increase over the preceding year's output. Nova Scotia, New Brunswick, Manitoba, Saskatchewan and the Yukon mines produced more coal than in 1932, on the other hand, Alberta's output declined 3·1 per cent and British Columbia's, 17·8 per cent.

Imports of coal into Canada have declined sharply during the past three years. In 1930, Canada imported 17·6 million tons, in the following year 13·5 million tons, in 1932 approximately 11·7 million tons, and in 1933 only 11·5 million tons. Despite this decline in total coal imports, anthracite receipts from Great Britain advanced 14·9 per cent and accounted for 52·9 per cent of the total imports. Anthracite coal importations from the United States, on the other hand, decreased 16·9 per cent.

The research work done by the Dominion Department of Mines on the coking of Canadian coals from both eastern and western deposits has resulted in an increase in consumption of Canadian coal, for the manufacture of coke, at Winnipeg and Montreal. Continued assistance to the operators in the form of a subvention paid by the Dominion Government was responsible to a considerable extent for the increased shipments of Canadian coal. In 1933, approximately 1,933,000 short tons of coal were moved under assisted freight rates. The Saskatchewan coal operators have succeeded in increasing their sales by large scale stripping and open cut methods of mining which have reduced costs. Although British Columbia's coal output declined in 1932 and 1933 the coal operators in that province are apparently capturing a larger share of the available market than in previous years.

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

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

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, September 8, 1934.

STATISTICS ON COAL AS COMPILED IN THE DOMINION BUREAU OF STATISTICS

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

(1) COAL MINE STATISTICS

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

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

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

(2) IMPORTS AND EXPORTS

In addition to the usual record of imports and exports shown by months in the quarterly trade report, a special monthly record by kinds of coal and by ports of entry is secured from the Department of National Revenue. This throws light on regional supply and keeps the general data as to supply more up to date. A similar record of exports of Canadian coal by ports of exit is maintained.

(3) PUBLICATIONS OF THE BUREAU ON COAL

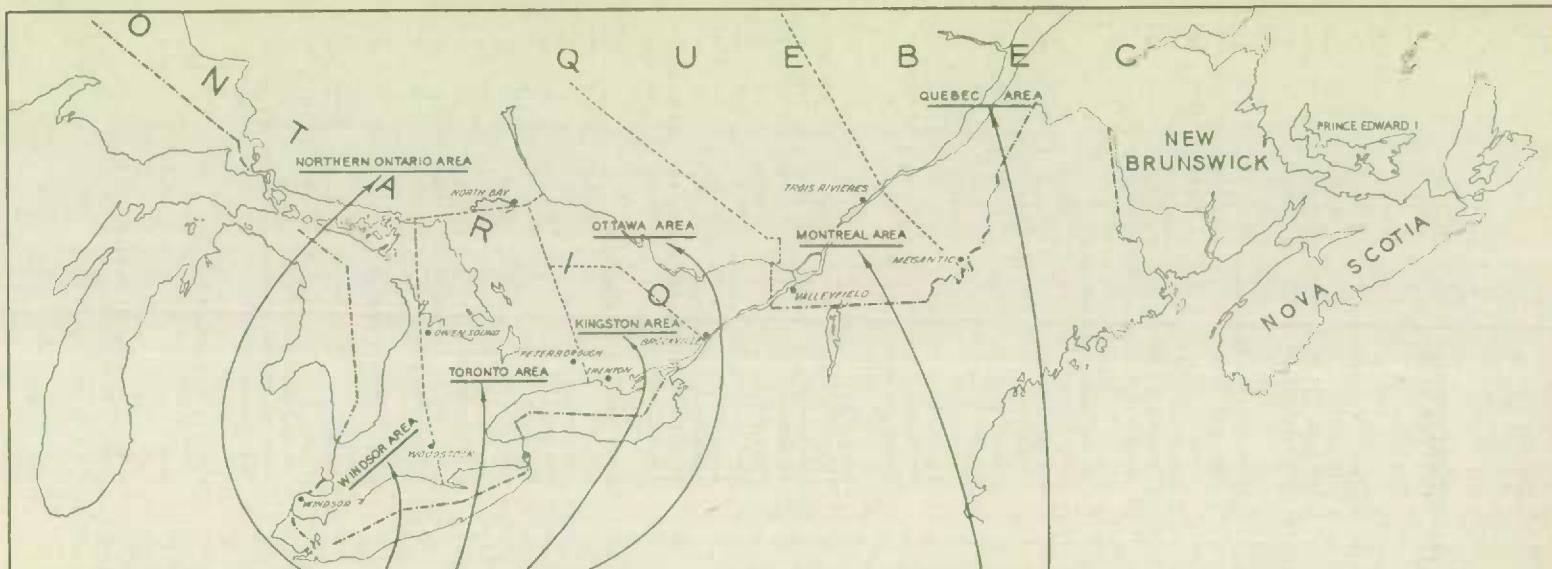
The Bureau issues the following reports:

- (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.

It may be added that the Bureau handled the statistical work of the Fuel Controller in 1917-18 and later, when more elaborate records were maintained, including, (a) a detailed record of dealers' costs and margins, (b) a record of the purchases of individual consumers who do not buy from dealers, but directly from the mine, such as gas companies, large industrial plants, railway companies, etc., (c) a weekly return from railway agents of cars of coal unloaded at each railway station throughout Canada, (d) a monthly statement from coal dock companies showing receipts, distribution of coal and stocks on hand. The latter records were discontinued on the cessation of fuel control, the dealers' general returns alone being maintained until March 31, 1924.

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	MONTREAL	WINDSOR	TORONTO	KINGSTON	OTTAWA
ANTHRACITE					
GREAT BRITAIN... Imported direct	—	—	2484	—	—
....Received ex-Montreal	22,917	2,089	325,515	17,098	100,214
UNITED STATES... Imported direct	23,576	15,570	782,881	51,839	106,564
TOTAL	46,493	153,659	1,133,290	68,937	206,778
BITUMINOUS					
GREAT BRITAIN... Imported direct	—	—	—	—	1,205
GREAT BRITAIN... Received ex-Montreal	—	—	8,398	—	—
UNITED STATES.....	121,179	1888,132	397,382	98,261	45,4503
NOVA SCOTIA.....	53,913	4,790	187,377	45,598	221,920
TOTAL	1265,703	1892,922	4189,595	143,859	677,628

In addition to the above shipments, the following tonnages were received in Ontario:
 From ALBERTA From SASKATCHEWAN
 Bituminous 1,734 —
 Sub-bituminous 19,166 —
 Lignite 18,078 769

* Exclusive of coal moved from British Columbia and Alberta to Ontario for railway consumption.

	MONTREAL	QUEBEC
ANTHRACITE		
GREAT BRITAIN... Imported direct	853,389	126,637
....Received in Saint John NB	26,248	—
UNITED STATES... Imported direct	248,701	31,565
TOTAL	1,128,338	158,202
BITUMINOUS		
GREAT BRITAIN...	279,213	8,665
UNITED STATES...	417,334	14,305
NOVA SCOTIA... Including coal for railroads	146,260	861
NEW BRUNSWICK...	2136218	

NOTE: In addition to the above shipments, Quebec received 32 tons of anthracite and 1,000 tons of bituminous coal from Alberta.
 * Imported through the Quebec and franchised to Ontario are not included in this item.

RECEIPTS OF COAL IN ONTARIO AND QUEBEC BY AREAS

1933

(Short tons)

Scale of Miles
 0 50 100 150 200

Note—7,485 tons of Nova Scotia coal were shipped direct from the mines to Ontario points.

DOMINION BUREAU OF STATISTICS

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

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

COAL STATISTICS FOR CANADA

FOR THE CALENDAR YEAR 1933

CHAPTER ONE

CANADA

The Canadian production of coal in 1933 amounted to 11,903,344 tons valued at \$35,923,962, an advance of 1·4 per cent in quantity but a decline of 3·2 per cent in value from the 1932 output of 11,738,913 tons with a valuation of \$37,117,695. Bituminous coal output during 1933 totalled 7,979,283 tons, a 3·4 per cent increase over the preceding year's production; on the other hand, sub-bituminous coal declined 1·2 per cent to 554,118 tons and lignite coal 2·7 per cent to 3,369,943 tons. An advance of 11·6 per cent was recorded in Nova Scotia's production; the 1933 total was 4,557,590 tons and the previous year's, 4,084,581 tons. New Brunswick mines produced 312,303 tons as compared with 212,695 tons in 1932. Manitoba's output was higher at 3,880 tons. A 4·6 per cent increase was shown in Saskatchewan's production in 1933; the year's output was 927,649 tons as against 887,139 tons in 1932. Alberta mines reported a production of 4,718,788 tons, a decline of 3·1 per cent from the tonnage raised in 1932. British Columbia's coal output has been declining yearly since 1928 and in 1933 amounted to 1,382,272 tons or 17·8 per cent below the preceding year's total. In the Yukon, 862 tons of coal were mined as compared with 808 tons during 1932.

Exports of Canadian coal have shown a steady decline since 1927 when 1,113,330 tons were exported. In 1930, Canadian mines shipped 624,512 tons to points outside of Canada, and in 1933, external shipments declined to 259,233 tons. Nova Scotia and New Brunswick ports cleared 171,814 tons of Canadian coal in 1933 and Manitoba, Saskatchewan, Alberta and British Columbia ports, 87,419 tons.

Canada imported 11,465,976 tons of coal in 1933, a decline of 1·8 per cent from the 1932 total and 15·3 per cent from the 1931 imports. Receipts of anthracite coal in 1933 totalled 3,035,613 tons, consisting of 1,605,776 tons from Great Britain, 1,429,829 tons from the United States, 6 tons from China and 2 tons from Alaska. An important development of the year may be noted from these figures, as imports from Great Britain exceeded those from the United States and accounted for 52·9 per cent of the total Canadian anthracite supply. In 1932, the United States supplied 53·7 per cent of Canada's anthracite requirements and in 1930, approximately 69·5 per cent. Importations of bituminous coal were 1·2 per cent lower at 8,427,656 tons as compared with 8,532,318 tons in 1932. The United States supplied 96 per cent of the 1933 bituminous coal imports. Lignite coal to a total of 2,707 tons was received from the United States in 1933.

Canadian coal mines employed, on the average, 24,812 wage-earners in 1933; during the previous year, 25,597 men were employed. The eastern coal mines furnished employment to 12,886 wage-earners and the western mines to 11,926 men. Surface employees averaged 215 days work during the year and underground workers 172 days. There were in addition to these wage-earners 1,283 salaried employees on the mine payrolls in 1933. Salaries and wages paid to the employees working in or about the coal mines totalled \$22,378,736 in 1933; during the previous year, \$25,042,769 were paid.

Despite the advance in production during the year there was a slight reduction in the number of man days work furnished to employees; the 1933 total was 4,511,345, and the previous year's, 4,544,262.

The estimated consumption of coal in Canada in 1933 was approximately 23·1 million tons, in addition to which large quantities of coke, natural and artificial gas, fuel oil, wood and electricity were consumed for industrial and domestic purposes.

Canada's coke supply in 1933 was computed at 2,411,040 tons as compared with 2,274,034 tons in the preceding year. Sales by Canadian coke producers amounted to 1,279,811 tons or 72·2 per cent of the total output during the year. Imports of coke into Canada recorded a 1·2 per cent decline to 644,075 tons in 1933 from the 1932 total of 651,802 tons. The coal equivalent of coke imported in 1933 was 990,884 tons. Coke and artificial gas manufacturers used 604,017 tons of Canadian coal during the year and 1,861,944 tons of imported coal.

Domestic and industrial consumers purchased 15,893,248 thousand cubic feet of manufactured gas in 1933 as against 17,083,631 thousand cubic feet a year ago. The consumption of natural gas in Canada in 1933 consisted of 15,500,000 thousand cubic feet for domestic purposes and 7,100,000 thousand cubic feet for industrial use. It is estimated that the domestic consumption of natural gas accounted for a displacement of 620,000 tons of coal.

Fuel oil consumption in Canada during 1933 totalled 390 million imperial gallons and gas oils consumption, 92 million gallons; in the preceding year 460 million imperial gallons of fuel and gas oils were consumed. The Dominion Fuel Board's survey of domestic fuel consumption indicated that 59,993,000 gallons of fuel oil were used for domestic heating in Quebec, Ontario and Manitoba during 1932. A possible coal displacement of 428,521 tons is shown by this fuel oil consumption as compared with 411,550 tons in 1931. The total fuel oil deliveries for domestic and building heating in Canada during 1932 amounted to 77,557,558 gallons; industrial users consumed 82,235,631 gallons; tractors, 12,590,275 gallons; railways, 56,991,888 gallons and bunkering, 160,031,096 gallons.

Table 1.—Coal Resources of Canada and of the World*

(“000” omitted)

Province	Actual reserve		Probable reserve		Total metric tons	
	Calculation based on actual thickness and extent		Approximate estimate			
	Area Square miles	Metric tons	Area Square miles	Metric tons		
Canada—						
Nova Scotia.....	174.31	2,188,151	346.5	7,530,817	9,718,968	
New Brunswick.....	.....	.....	121.0	151,000	131,000
Ontario.....	.....	.....	10.0	25,000	25,000
Manitoba.....	.....	.....	48.0	160,000	160,000
Saskatchewan.....	306.0	2,412,000	13,100.0	57,400,000	59,812,000	
Alberta.....	25,300.0	386,392,800	56,578.0	686,254,600	1,072,647,400	
British Columbia.....	439.0	23,831,242	5,606.0	52,203,700	76,031,912	
Yukon.....	.....	.....	2,840.0	4,940,000	4,940,000
North West Territories.....	.....	.....	300.0	4,800,000	4,800,000
Arctic Islands.....	.....	.....	6,000.0	6,000,000	6,000,000
Total.....	26,219.31	†114,894,193	84,949.5	819,465,117	†1,234,269,310	
The World—						
Oceania.....	.....	.....	.....	.....	170,410,000
Asia.....	.....	.....	.....	.....	1,279,586,000
Africa.....	.....	.....	.....	.....	57,832,000
America.....	.....	.....	.....	.....	5,105,525,000
Europe.....	.....	.....	.....	.....	784,190,000
Total.....	.....	.....	.....	.....	7,397,553,000

*From The Coal Resources of the World published by the Twelfth International Geological Congress, 1913.

†In this total 20,000,000 tons have been deducted for the amount of coal extracted in Alberta to 1911.

Table 2.—Output of Coal from Canadian Mines, 1785-1933

Year	Short tons	Value	Average per ton	Year	Short tons	Value	Average per ton
	\$	\$	\$		\$	\$	\$
1785-1860.....	2,863,826	4,905,462	1.71	1901.....	6,486,325	12,699,243	1.96
1867.....	631,320	1,056,725	1.67	1902.....	7,466,681	15,210,877	2.04
1868.....	623,392	1,073,061	1.72	1903.....	7,960,364	15,942,833	2.00
1869.....	687,825	1,155,282	1.68	1904.....	8,254,595	16,592,231	2.01
1870.....	752,035	1,243,139	1.65	1905.....	8,667,948	17,520,263	2.02
1871.....	3,033,152	5,073,331	1.67	1906.....	9,762,601	19,732,019	2.02
1872.....	.....	.....	.....	1907.....	10,511,426	24,381,842	2.32
1873.....	.....	.....	.....	1908.....	10,886,311	25,194,573	2.31
1874.....	1,063,742	1,703,423	1.66	1909.....	10,501,473	24,781,236	2.36
1875.....	1,039,974	1,747,016	1.68	1910.....	12,909,152	30,909,779	2.39
1876.....	994,762	1,729,546	1.74	1911.....	11,323,388	26,467,646	2.34
1877.....	1,036,670	1,794,415	1.73	1912.....	14,512,829	36,019,044	2.48
1878.....	1,089,777	1,941,255	1.78	1913.....	15,012,178	37,331,949	2.49
1879.....	1,126,497	2,050,639	1.82	1914.....	13,637,529	33,471,801	2.45
1880.....	1,482,714	2,657,194	1.79	1915.....	13,267,023	32,111,182	2.42
1881.....	1,537,106	2,688,821	1.75	1916.....	14,483,393	38,817,481	2.68
1882.....	1,818,148	3,218,446	1.70	1917.....	14,046,759	43,199,831	3.08
1883.....	1,818,684	3,109,635	1.71	1918.....	14,977,920	55,192,896	3.68
1884.....	1,984,950	3,591,831	1.81	1919.....	13,919,096	55,622,070	3.99
1885.....	1,920,977	3,417,807	1.78	1920.....	16,946,764	82,496,538	4.86
1886.....	2,116,653	3,719,840	1.77	1921.....	15,057,493	72,451,656	4.81
1887.....	2,428,330	4,388,206	1.81	1922.....	15,157,431	65,518,497	4.32
1888.....	2,602,552	4,674,140	1.80	1923.....	16,058,571	72,058,986	4.24
1889.....	2,658,303	4,894,287	1.84	1924.....	13,638,197	53,593,988	3.93
1890.....	3,084,682	5,076,247	1.84	1925.....	13,134,968	49,261,951	3.75
1891.....	3,577,749	7,019,425	1.90	1926.....	16,478,131	59,875,094	3.63
1892.....	3,287,745	6,363,757	1.94	1927.....	17,426,861	61,867,463	3.55
1893.....	3,783,499	7,359,080	1.95	1928.....	17,564,293	63,757,833	3.66
1894.....	3,847,070	7,429,468	1.93	1929.....	17,496,557	63,065,170	3.60
1895.....	3,478,344	6,739,153	1.94	1930.....	14,881,324	52,849,748	3.55
1896.....	3,745,716	7,226,462	1.93	1931.....	12,243,211	41,207,082	3.37
1897.....	3,786,107	7,303,507	1.93	1932.....	11,738,913	37,117,695	3.10
1898.....	4,173,108	8,224,288	1.97	1933.....	11,903,344	35,923,962	3.02
1899.....	4,925,051	10,283,497	2.06	Total.....	508,054,411	1,521,561,333	—
1900.....	5,777,319	13,742,178	2.38				

*For the years 1919-1933 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 3.—Output of Coal in Canada, by Grades, 1918-1933

Calendar year	Anthracite		Bituminous		Sub-Bituminous*		Lignite		Total	
	Short tons	Value	Short tons	Value	Short tons	Value	Short tons	Value	Short tons	Value
		\$		\$		\$		\$		\$
1918.....	115,405	.....	11,636,190	.....	.....	3,226,331	.....	14,977,926	55,192,896	
1919.....	85,579	.....	10,892,046	.....	.....	2,941,471	.....	13,919,096	55,622,670	
1920.....	127,513	.....	13,122,924	.....	.....	3,696,327	.....	16,945,764	82,495,538	
1921.....	90,964	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	58,478,070	460,492	1,399,424	3,582,095	12,180,570	16,993,571	72,058,996
1924.....	.....	9,483,732	40,062,894	500,168	1,761,086	3,564,297	11,170,008	13,638,197	53,593,998	
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.....	.....	12,303,079	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	17,425,861	61,867,463	
1928.....	.....	12,971,744	50,581,108	740,496	2,076,212	3,852,053	11,097,513	17,564,293	63,757,933	
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	52,819,748	
1931.....	.....	8,861,360	33,165,730	471,343	1,211,197	2,910,508	6,830,755	12,243,211	41,297,682	
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.....	.....	7,970,283	27,757,150	554,118	1,274,017	3,369,943	6,892,795	11,903,314	35,923,962	

*Not separately reported prior to 1923.

Table 4.—Output and Value of Coal in Canada, by Kinds and by Provinces, 1932 and 1933

(Short tons)

Province	1932			1933		
	Number of mines	Quantity	Value	Number of mines	Quantity	Value
Nova Scotia (Bituminous).....	38	4,084,581	15,167,793	36	4,557,590	15,969,793
New Brunswick (Bituminous).....	20	212,605	794,168	34	312,303	1,041,744
Manitoba (Lignite).....	3	1,552	3,084	2	3,880	9,214
Saskatchewan (Lignite).....	*92	887,139	1,229,449	*106	927,649	1,285,996
Alberta—						
Bituminous.....	17	1,734,705	5,715,401	15	1,726,256	5,435,656
Sub-bituminous.....	22	560,902	1,329,316	21	554,118	1,274,017
Lignite.....	†272	2,575,041	6,481,502	†296	2,438,414	5,597,585
Total.....	311	4,870,048	13,526,309	332	4,718,788	12,307,258
British Columbia (Bituminous).....	28	1,681,490	6,392,801	24	1,382,272	5,306,287
Yukon (Bituminous).....	1	808	3,491	1	862	3,670
Canada—						
Bituminous.....	104	7,714,279	28,073,744	110	7,979,283	27,757,150
Sub-bituminous.....	22	560,902	1,329,316	21	554,118	1,274,017
Lignite.....	367	3,463,732	7,714,635	404	3,369,943	6,892,795
Total.....	493	11,738,913	37,117,695	535	11,903,314	35,923,962

* Exclusive of 62 small mines in operation during part of 1932 and 93 small mines operating during part of 1933.

† Exclusive of 61 small mines operated under special permits in 1932 and 66 small mines in 1933.

Table 5.—Output of Coal from Canadian Mines, by Months, 1929-1933
(Short tons)

Month	1929	1930	1931	1932	1933
January.....	1,585,072	1,643,623	1,179,885	1,188,467	1,038,843
February.....	1,649,980	1,191,711	963,340	1,230,218	1,040,897
March.....	1,387,696	1,136,765	1,051,253	1,050,670	825,023
April.....	1,395,817	913,203	898,747	739,534	670,633
May.....	1,404,861	1,124,545	912,337	697,764	677,859
June.....	1,360,774	1,151,963	891,425	793,868	698,951
July.....	1,315,153	1,058,424	831,880	651,911	675,264
August.....	1,362,166	1,111,676	767,547	727,075	804,837
September.....	1,410,020	1,252,902	1,012,659	934,191	1,140,978
October.....	1,598,659	1,059,315	1,226,032	1,268,028	1,570,351
November.....	1,534,386	1,349,694	1,301,659	1,253,947	1,346,878
December.....	1,490,993	1,284,503	1,206,447	1,203,240	1,304,830
Total.....	17,496,557	14,881,324	12,243,211	11,738,913	11,903,344

Table 6.—Output and Value of Coal in Canada, by Kinds and by Months, 1933

Month	Bituminous		Sub-Bituminous		Lignite		Total	
	Short tons	Value	Short tons	Value	Short tons	Value	Short tons	Value
January.....	561,983	2,020,800	45,945	115,189	430,915	907,739	1,038,843	3,043,728
February.....	568,937	2,050,670	53,223	117,965	427,737	907,107	1,019,897	3,075,742
March.....	548,645	1,968,258	45,893	92,432	230,485	431,970	825,023	2,492,660
April.....	517,609	1,759,750	36,910	71,850	116,114	201,763	670,653	2,036,363
May.....	569,876	1,984,505	35,382	74,481	72,601	128,964	677,859	2,187,950
June.....	617,639	2,100,083	16,949	42,979	64,363	113,600	698,951	2,256,731
July.....	598,357	2,051,781	14,800	42,752	62,107	116,122	675,264	2,210,635
August.....	740,777	2,534,769	30,990	74,312	123,070	253,840	894,837	2,862,921
September.....	754,569	2,607,421	62,169	142,829	324,240	682,276	1,440,978	3,412,526
October.....	952,449	3,296,552	66,841	159,026	560,061	1,196,474	1,579,351	4,632,052
November.....	850,501	2,976,533	72,950	167,395	423,427	585,131	1,346,878	4,002,082
December.....	697,941	2,406,028	72,066	169,804	534,823	1,084,740	1,304,830	3,660,572
Total.....	7,979,283	27,757,150	551,118	1,274,017	3,369,943	6,892,795	11,903,344	35,923,963

Table 7.—Tonnage Lost in the Coal Mines of Canada, in 1932 and 1933 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.....	50	50	0.8	48.1	0.0	0.4	0.7
	57	43	0.7	39.5	.....	0.4	2.4
NEW BRUNSWICK.....	71	29	2.5	25.5	0.0	0.4	0.6
	82	18	3.2	14.5	0.0	0.2	0.1
SASKATCHEWAN.....	70	30	0.0	29.5	0.0	0.3	0.2
	69	31	0.0	30.6	0.0	0.0	0.4
ALBERTA.....	65	35	0.2	34.4	0.0	0.1	0.3
	61	39	0.3	38.4	0.0	0.0	0.3
BRITISH COLUMBIA.....	63	37	0.2	35.8	0.8	0.0	0.2
	65	35	0.2	34.6	0.0	0.0	0.2
Canada.....	59	41	0.5	39.7	0.0	0.3	0.5
	61	39	0.5	37.2	0.0	0.2	1.1

Table 8.—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 1933

Month	Per cent produced	Per cent lost	Percentage lost through				
			Absenteeism	Lack of orders	Car shortage	Mine disability	Other causes
January.....	58	44	0.5	42.3	.....	.....	1.2
February.....	59	41	0.4	39.7	.....	0.1	0.9
March.....	49	51	0.4	48.6	0.1	0.1	0.8
April.....	51	49	0.5	47.6	.....	0.2	0.7
May.....	52	48	0.3	47.2	.....	.....	0.5
June.....	52	48	0.4	42.6	.....	.....	5.0
July.....	53	47	0.6	45.9	.....	0.1	0.4
August.....	59	41	0.6	39.7	.....	.....	0.7
September.....	68	32	0.4	31.2	.....	0.1	0.3
October.....	80	20	0.5	18.2	.....	0.9	0.4
November.....	69	31	0.5	28.3	.....	0.4	1.8
December.....	69	31	0.5	29.1	0.1	0.1	1.2
Total.....	61	39	0.5	37.2	.....	0.2	1.1

Table 9.—Disposition of Coal from Canadian Mines, 1932 and 1933

	1932			1933		
	Total coal	Total value	Average value per ton	Total coal	Total value	Average value per ton
Supplied to employees for domestic consumption.....	159,050	478,559	3.01	152,724	437,475	2.86
Used for power purposes—						
(a) Shops.....	73,406	260,050	3.54	87,633	312,378	3.57
(b) Colliery boilers.....	562,852	1,479,050	2.63	546,088	1,431,573	2.62
(c) Companies' railroads.....	57,547	208,431	3.62	56,272	200,193	3.56
Shipped. (See Table 11)—						
(a) Ships' bunkers.....	234,231	.....	233,847	.....	
(b) Railroads.....	2,795,106	34,506,363	3.27	2,634,006	33,367,673	3.10
(c) Other.....	7,537,793	.....	7,904,327	.....	
Used in making coke at colliery.....	52,231	180,627	3.46	84,723	249,815	2.95
Used in making briquettes.....	25,912	57,649	2.22	15,886	49,700	3.13
Put on bank.....	626,129	2,187,238	3.49	487,197	1,674,828	3.44
Put on waste heap.....	262,703	.....	230,724	.....	
Total disposition.....	12,337,029	39,338,567	3.18	12,433,427	37,723,635	3.03
Lifted from bank.....	642,331	2,240,872	3.49	518,991	1,799,673	3.47
Lifted from waste heap.....	5,776	.....	11,092	.....	
Total output.....	11,738,913	37,117,695	3.16	11,983,344	35,923,962	3.02

Table 10.—Disposition of Coal from Canadian Mines, by Provinces, 1933

(Short tons)

	Nova Scotia	New Brunswick	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon	Canada
Supplied to employees for domestic consumption.....	88,608	3,092	48	3,936	40,098	16,938	4	152,721
Coal shipped. (See Table 11).....	4,077,369	305,343	3,832	881,717	4,266,885	1,236,706	328	10,772,180
Used under colliery boilers, etc.....	230,911	2,077	.....	26,442	181,036	105,000	22	546,088
Used by companies' railroads.....	35,437	750	.....	5,445	5,995	8,645	.....	56,272
Used for manufacture of coke at colliery.....	.....	.....	.....	.....	75,276	9,447	.....	84,723
Used in making briquettes.....	.....	.....	.....	983	14,933	.....	.....	15,886
Used in shops, etc.....	87,633	.....	.....	.....	.....	.....	.....	87,633
Used by harbour tugs and dredges.....	.....	.....	.....	.....	.....	.....	.....	.....
Put on bank.....	402,674	10,090	.....	4,279	38,191	31,933	30	487,197
Put on waste heap.....	41,438	1,098	.....	9,879	137,335	40,496	478	230,724
Total disposition.....	4,964,070	322,450	3,880	932,651	4,760,349	1,449,165	862	12,433,427
Lifted from bank.....	406,480	10,147	.....	5,002	36,742	60,820	.....	518,991
Lifted from waste heap.....	.....	.....	.....	.....	4,819	6,273	.....	11,092
Total output.....	4,557,590	312,303	3,880	927,649	4,718,788	1,382,272	862	11,983,344

Table 11.—Shipments of Coal from Canadian Mines, by Grades and Destinations, 1932 and 1933

(Short tons)

Destination	1932				1933			
	Run-of-mine	Screened	Slack	Total	Run-of-mine	Screened	Slack	Total
Prince Edward Island.....	6,222	58,597	4,323	69,142	4,320	50,873	8,533	63,726
Nova Scotia.....	132,417	356,000	289,031	788,448	110,042	294,894	477,892	882,828
New Brunswick.....	112,020	101,185	220,726	436,931	126,697	110,157	217,649	434,363
Quebec.....	68,816	736,326	782,416	1,554,558	58,128	1,070,384	870,473	1,998,985
Ontario.....	3,537	21,395	4,824	29,756	482	34,361	12,328	47,171
Manitoba.....	141,524	373,375	387,048	902,547	102,054	350,789	452,540	905,383
Saskatchewan.....	285,829	845,137	456,666	1,587,632	280,407	826,470	448,060	1,554,937
Alberta.....	200,692	425,664	480,318	1,106,674	196,888	422,186	471,692	1,090,766
British Columbia.....	18,665	592,352	177,835	788,852	19,362	584,767	132,987	737,116
Yukon.....		341		341			328	328
Total domestic shipments	969,722	3,513,972	2,813,787	7,297,481	988,380	3,745,200	3,092,154	7,735,713
Railroads.....	2,196,059	485,236	113,811	2,795,106	2,002,784	523,616	110,859	2,637,259
Ships' bunkers.....	112,438	121,450	343	234,231	162,043	71,804		233,847
Total railroads and ships' bunkers.....	2,308,497	606,686	114,154	3,029,337	2,164,827	585,420	110,859	2,871,106
United States.....	2,164	32,289	78,518	112,971	1,515	18,097	58,131	77,743
Alaska.....	14,779			14,779		14,249		14,249
Newfoundland.....	2,889	107,071	1,220	111,180	9,940	61,045	1,359	72,344
Other Countries.....	899	483		1,382		995		995
Total external shipments.....	5,952	154,622	79,738	240,312	11,455	94,386	59,490	163,331
Total.....	3,284,171	4,275,280	3,007,679	10,567,130	3,074,662	4,435,015	3,262,503	10,772,480

Table 12.—Exports of Canadian Coal, 1873-1933

(Compiled in the *External Trade Branch*)

Calendar year	Short tons	Value	Calendar year	Short tons	Value	Calendar year	Short tons	Value
	\$	\$			\$			\$
1873.....	420,683		1804.....	1,103,694		1915.....	1,766,543	5,406,058
1874.....	310,988		1895.....	1,011,235		1916.....	2,135,359	7,099,387
1875.....	250,348		1896.....	1,106,661		1917.....	1,733,156	7,387,192
1876.....	248,638		1897.....	986,130		1918.....	1,817,195	9,405,423
1877.....	301,317		1898.....	1,150,029		1919.....	2,070,050	12,438,885
1878.....	327,959		1899.....	1,293,169		1920.....	2,558,174	18,014,899
1879.....	306,648		1900.....	1,787,777		1921.....	1,987,251	13,806,370
1880.....	432,188		1901.....	1,573,661		1922.....	1,818,582	11,159,060
1881.....	395,382		1902.....	2,090,268		1923.....	1,654,406	10,661,399
1882.....	412,682		1903.....	1,954,629		1924.....	773,246	4,836,848
1883.....	486,811		1904.....	1,557,412		1925.....	785,910	4,329,173
1884.....	474,405		1905.....	1,635,287		1926.....	1,028,200	5,731,436
1885.....	427,937		1906.....	1,835,041		1927.....	1,113,330	5,890,259
1886.....	520,703		1907.....	1,894,074		1928.....	863,941	4,460,999
1887.....	580,965		1908.....	1,729,833		1929.....	842,972	4,375,328
1888.....	588,627		1909.....	1,588,099		1930.....	624,512	3,345,998
1889.....	665,315		1910.....	2,377,048		1931.....	359,853	1,900,922
1890.....	724,486		1911.....	1,500,639		1932.....	285,487	1,433,036
1891.....	971,259		1912.....	2,127,133		1933.....	259,233	1,188,225
1892.....	823,733		1913.....	1,562,020	3,951,351	Total.....	68,395,752	
1893.....	960,312		1914.....	1,423,126	3,780,175			

Table 13.—Exports of Canadian Coal from Eastern and Western Canada, 1929-1933

(Short tons)

	1929	1930	1931	1932	1933
Eastern Canada.....	372,061	375,149	207,023	159,487	171,814
Western Canada.....	470,911	249,364	152,830	126,000	87,419
Total.....	842,972	624,512	359,853	285,487	259,233

Table 14.—Exports of Canadian Coal, by Destinations, 1931-1933

(Compiled in the *External Trade Branch*)

Destination	1931		1932		1933	
	Short tons	Value	Short tons	Value	Short tons	Value
BRITISH EMPIRE						
United Kingdom.....	10,488	70,508	8,575	53,811	8,918	50,585
Irish Free State.....	186	1,163	1,426	8,354	1,753	9,072
British South Africa.....	2,951	17,706	1,607	9,642	5,403	29,466
Bermuda.....			44	352	35	262
British Guiana.....	1,056	7,020				
British West Indies—					282	2,115
Jamaica.....	992	5,949	439	2,634		
Gibraltar.....	1,246	6,230				
Malta.....	112,663	616,101	87,539	400,936	79,995	389,032
Newfoundland.....	1,211	7,266	3,525	20,250		
Sierra Leone.....	12,637	104,884	13,472	98,506	23,750	152,082
Australia.....	3,477	19,533			2,116	11,109
New Zealand.....						
Total British Empire.....	146,907	857,260	116,827	660,485	122,261	643,723
FOREIGN COUNTRIES						
Argentina.....	7,871	47,229	71	515		
Belgium.....	477	2,862	1,570	8,504	1,038	5,514
Brazil.....	3,947	27,085			822	4,521
China.....	423	3,511	6,815	50,744	305	2,006
Cuba.....	400	2,400	1,502	9,082	443	2,497
Denmark.....			30	225		
France.....	3,246	18,287	999	5,253	1,463	8,173
French Possessions—						
French Africa.....			447	2,682		
St. Pierre and Miquelon.....	4,560	27,097	3,090	10,069	2,727	13,374
Germany.....	536	3,213			123	673
Greece.....	2,472	14,432	726	4,964		
Italy.....	1,589	9,502	307	1,689	84	630
Japan.....	1,862	11,741	3,523	20,593	3,765	16,780
Netherlands.....	1,582	8,702	2,098	11,011	891	3,932
Norway.....	1,729	7,347				
Peru.....	3,309	22,238	976	6,743		
Portuguese Africa.....					1,448	7,964
Spain.....			161	960		
Sweden.....					406	2,233
United States.....	163,351	743,533	135,698	556,127	108,263	375,150
Alaska.....	15,582	103,388	10,847	68,420	14,583	96,710
Puerto Rico.....					608	4,045
Total foreign countries.....	212,946	1,052,662	168,860	772,551	136,972	544,502
Total.....	359,853	1,909,922	285,487	1,433,036	258,733	1,188,225

Table 15.—Imports of Coal into Canada "Entered for Consumption" 1880-1933

(Compiled in the External Trade Branch)

Year	Anthracite coal		Bituminous coal		Bituminous coal dust		Lignite		Total	
	Short tons	Value	Short tons	Value	Short tons	Value	Short tons	Value	Short tons	Value
		\$		\$		\$		\$		\$
Fiscal year ending Mar. 31—										
1880.....	516,729	1,509,960	547,049	1,220,761	3,565	8,877			1,067,313	2,739,598
1881.....	572,092	2,325,937	587,024	1,741,565	337	666			1,159,153	4,068,171
1882.....	638,273	2,666,356	630,374	1,992,081	471	900			1,275,184	4,659,337
1883.....	751,891	3,344,936	911,629	2,996,198	8,154	10,082			1,671,674	6,351,216
1884.....	868,000	3,831,283	1,118,615	3,613,470	12,782	14,600			1,999,397	7,459,353
1885.....	910,321	3,009,844	1,011,875	3,167,539	20,185	29,412			1,942,384	7,127,795
1886.....	995,423	4,028,050	930,849	2,591,554	36,230	36,996			1,362,601	6,656,600
1887.....	1,100,165	4,423,062	1,119,792	3,126,225	31,401	33,178			2,291,358	7,587,365
1888.....	2,138,627	5,291,875	1,231,234	3,451,661	28,808	34,730			3,394,659	8,778,266
1889.....	1,291,705	5,199,481	1,248,540	3,255,171	39,980	47,139			2,580,225	8,501,701
1890.....	1,201,335	4,505,727	1,409,292	3,528,959	53,104	29,818			2,663,721	8,451,504
1891.....	1,399,067	5,224,452	1,598,855	4,060,896	60,127	36,130			3,058,049	9,321,478
1892.....	1,479,106	5,640,346	1,635,220	4,099,224	82,091	39,840			3,170,417	9,779,407
1893.....	1,500,550	6,355,285	1,603,154	3,967,764	109,585	44,474			3,213,289	10,367,523
1894.....	1,530,522	6,354,040	1,359,509	3,315,094	117,573	49,510			3,007,604	9,718,014
1895.....	1,404,312	5,350,627	1,444,928	3,321,387	181,318	52,221			3,030,588	8,724,235
1896.....	1,574,355	5,667,096	1,538,489	3,299,025	210,386	53,742			3,323,230	9,019,863
1897.....	1,457,295	5,695,168	1,543,476	3,251,217	25,562	59,609			3,226,333	9,008,994
1898.....	1,480,701	5,874,685	1,684,024	3,179,595	229,445	45,556			3,371,170	9,099,836
1899.....	1,745,460	6,490,509	2,171,358	3,691,916	276,547	44,717			4,193,366	10,227,172
1900.....	1,634,101	6,602,912	2,439,764	4,310,964	330,174	98,349			4,124,029	11,012,225
1901.....	1,933,283	7,923,050	2,516,396	4,956,025	414,432	215,559			4,564,107	13,153,534
1902.....	1,652,451	7,021,939	3,047,392	5,712,058	489,548	261,550			5,189,391	12,995,547
1903.....	1,456,713	7,028,664	3,511,412	7,776,717	550,883	420,317			5,549,008	15,223,698
1904.....	2,275,018	10,461,223	4,053,900	9,108,208	608,011	544,128			6,936,959	29,113,539
1905.....	2,604,137	12,093,371	4,176,274	8,002,890	650,261	343,456			7,439,672	23,433,723
1906.....	2,200,893	10,304,308	4,495,550	8,369,318	747,251	489,180			7,413,661	19,153,836
Calendar year—										
1907.....	3,141,873	14,506,129	6,370,152	13,232,435	1,139,258	1,121,049			10,651,283	28,863,523
1908.....	3,160,110	14,478,336	6,025,574	12,516,748	1,111,811	1,355,677			10,297,495	28,351,961
1909.....	3,017,844	13,906,152	5,625,063	11,455,818	1,230,017	1,409,889			9,573,424	26,881,859
1910.....	3,266,235	14,735,062	5,966,466	11,919,341	1,365,283	1,795,598			10,597,982	28,150,001
1911.....	4,020,577	18,794,192	9,805,815	18,407,603	1,632,500	2,000,796			11,358,892	39,292,591
1912.....	4,184,017	20,080,388	8,491,840	16,846,727	1,919,953	2,550,922			11,395,810	39,428,037
1913.....	4,642,057	22,034,839	10,743,473	21,756,658	2,816,423	4,157,622			18,201,553	47,919,119
1914.....	4,435,010	21,241,924	7,776,435	14,954,321	2,509,632	3,605,253			14,721,057	39,801,498
1915.....	4,072,192	18,753,980	6,106,794	7,564,369	2,286,916	2,027,256			12,463,902	28,345,605
1916.....	4,570,815	22,210,363	9,504,552	12,368,679	3,505,230	3,701,624			17,580,603	38,289,666
1917.....	5,320,398	28,109,586	12,407,486	33,712,804	3,129,776	8,739,877			20,857,460	70,362,357
1918.....	4,785,160	26,007,888	13,656,360	37,294,057	3,237,067	8,351,639			21,678,582	71,650,581
1919.....	4,937,095	31,595,691	10,127,965	24,750,717	2,228,197	4,814,388			17,293,251	61,160,799
1920.....	4,982,313	36,773,351	11,548,475	30,808,626	2,312,734	10,451,621			18,813,542	98,033,598
1921.....	4,553,820	40,293,639	13,104,635	41,000,322	2,553,607	7,630,773			18,302,062	88,924,734
1922.....	2,705,752	23,795,143	8,133,366	30,171,375	2,184,407	7,215,910			13,023,525	61,182,428
1923.....	5,305,382	40,457,962	13,933,630	39,511,911	3,888,630	10,387,188	2,331	12,846	29,989,953	96,369,907
1924.....	4,152,558	37,280,910	9,222,019	23,120,128	3,324,195	6,508,515	26,007	117,955	16,724,779	67,927,508
1925*.....	3,782,557	32,096,509	12,548,460 tons		\$26,974,340		18,633	87,832	16,319,670	59,158,681
1926.....	4,102,419	34,202,166	12,376,606 tons		\$25,511,932		10,423	45,567	16,579,418	59,759,665
1927.....	4,107,854	31,282,371	11,458,671 tons		\$30,457,884		10,829	44,254	18,687,354	61,784,509
1928.....	3,748,816	27,680,018	11,445,945 tons		\$26,608,427		10,780	44,247	17,205,541	54,332,692
1929.....	4,019,917	28,800,792	11,170,138 tons		\$27,140,948		14,108	62,508	18,201,463	56,013,268
1930.....	4,256,090	30,098,910	11,447,955 tons		\$26,522,765		18,676	72,691	18,772,721	56,694,366
1931.....	3,162,317	21,067,025	9,952,280 tons		\$15,732,710		6,410	29,603	13,121,007	38,829,338
1932.....	7,148,002	19,321,710	8,807,131 tons		\$12,011,398		3,004	13,703	11,954,033	31,337,809
1933.....	3,015,571	17,610,091	8,185,759 tons		\$10,501,924		2,707	10,176	14,201,037	28,122,491

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

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

Table 16.—Imports of Coal into Eastern and Western Canada, 1932 and 1933
(Short tons)

Destination	Anthracite				Bituminous	Lignite	Total all grades
	Grate, egg, stove, nut, and pea	Screenings or Dust	N.O.P.	Total anthracite			
1932							
EASTERN CANADA—							
United States.....	1,506,776	10,241	156,704	1,673,721	7,399,383	.....	9,673,104
Great Britain.....	1,328,329	5,101	60,985	1,394,415	360,914	.....	1,755,329
Germany.....	52,189	.....	.....	52,189	.....	.....	52,189
Belgium.....	650	.....	.....	650	.....	.....	650
Newfoundland.....	.....	.....	.....	.....	2	.....	2
Total.....	2,887,944	15,342	217,689	3,120,975	7,760,299	.....	16,881,274
WESTERN CANADA*—							
United States.....	6,826	.....	4,985	11,811	770,865	3,004	785,880
Great Britain.....	4,669	.....	2	4,671	1,154	.....	5,825
French East Indies.....	.....	700	.....	700	.....	.....	700
Total.....	11,495	.....	5,687	17,182	772,019	3,004	792,285
Canada—							
United States.....	1,513,602	10,241	161,689	1,685,532	8,170,248	3,004	9,858,784
Great Britain.....	1,332,989	5,101	60,987	1,399,086	362,068	.....	1,761,154
Germany.....	52,189	.....	.....	52,189	.....	.....	52,189
Belgium.....	650	.....	.....	650	.....	.....	650
Newfoundland.....	.....	700	.....	700	2	.....	2
French East Indies.....	.....	.....	.....	.....	.....	.....	700
Total.....	2,899,439	15,342	223,376	3,138,157	8,532,318	3,004	11,673,479
1933							
EASTERN CANADA—							
United States.....	1,254,942	8,034	152,458	1,415,434	7,510,825	.....	8,926,259
Great Britain.....	1,482,956	2,168	116,855	1,601,979	317,932	.....	1,919,911
Germany.....	.....	.....	.....	.....	144	.....	144
Total.....	2,737,898	10,202	269,313	3,017,413	7,828,901	.....	10,816,314
WESTERN CANADA*—							
United States.....	10,546	127	3,722	14,395	578,626	2,707	595,728
Great Britain.....	.....	.....	3,797	3,797	20,129	.....	23,926
China.....	.....	.....	6	6	.....	.....	6
Alaska.....	.....	.....	2	2	.....	.....	2
Total.....	10,546	127	7,527	18,200	598,755	2,707	619,662
Canada—							
United States.....	1,265,488	8,161	156,180	1,429,829	8,089,451	2,707	9,521,937
Great Britain.....	1,482,956	2,168	120,652	1,605,776	338,061	.....	1,943,837
Germany.....	.....	.....	.....	.....	144	.....	144
China.....	.....	.....	6	6	.....	.....	6
Alaska.....	.....	.....	2	2	.....	.....	2
Total.....	2,748,444	10,329	276,840	3,635,613	8,427,656	2,707	11,465,976

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

Table 17.—Imports of Anthracite and Bituminous Coal into Canada from Great Britain, by Grades and by Provinces, 1932 and 1933

(Short tons)

Destination	1932				1933			
	Anthracite			Bituminous, all grades	Anthracite			Bituminous, all grades
	Grate, egg, stove, nut, and pea	Screenings or dust	N.O.P.		Grate, egg, stove, nut, and pea	Screenings or dust	N.O.P.	
Prince Edward Island.....	2,501	.....	1,364	2,067	2,863	.....	.....	1,677
Nova Scotia.....	43,294	.....	49,274	49,785	.....	.....	247	59,984
New Brunswick.....	78,287	60	286	15,792	76,331	.....	116,608	10,790
Quebec.....	1,177,328	5,041	59,335	290,780	1,329,083	2,168	244,276	1,205
Central Ontario.....	26,919	.....	.....	3,001	24,894	.....	.....	.....
Head of Lakes.....	4,669	.....	.....	.....	.....	.....	150	1,178
Manitoba.....	.....	.....	.....	.....	.....	.....	.....	101
Saskatchewan.....	.....	.....	2	1,154	.....	.....	3,047	18,850
British Columbia.....	.....	.....	.....	.....	.....	.....	.....	.....
Canada.....	1,332,998	5,101	60,987	362,068	1,482,956	2,168	120,652	338,061

Table 18.—Imports of Anthracite, Bituminous and Lignite Coal into Canada from the United States, by Grades and by Provinces, 1932 and 1933

(Short tons)

Destination	1932				1933			
	Anthracite			Bitu- minous, all grades	Lignite	Anthracite		
	Grate, egg, stove, nut, and pea	Screen- ings or dust	N.O.P.			Grate, egg, stove, nut, and pea	Screen- ings or dust	N.O.P.
Prince Edward Island.....	29	.....	2,005	3,973	678	.....	.....	133
Nova Scotin.....	10,177	.....	59	7,850	.....	.....	.....	448
New Brunswick.....	29,309	.....	357	11,349	18,685	.....	267	9,249
Quebec.....	348,654	6,711	52,640	470,781	234,910	5,781	43,128	433,706
Ontario.....	1,121,633	3,530	106,084	7,067,071	1,001,561	2,273	109,063	7,624,429
Manitoba.....	3,800	.....	.....	12,298	156	1,804	95	3,620
Saskatchewan.....	.....	.....	3	1,459	17	.....	32	25
Alberta.....	.....	.....	.....	830	.....	.....	75	998
British Columbia.....	.....	.....	.....	2,424	2,831	.....	2	7,220
Yukon.....	.....	.....	4	.....	.....	.....	7	.....
Canada.....	1,513,682	10,211	161,689	8,170,248	3,004	1,265,488	8,161	136,180
								8,099,451
								2,707

Table 19.—Imports of Anthracite and Bituminous Coal into Canada from Other Countries, by Provinces, 1932 and 1933

(Short tons)

Destination	Source	1932				1933			
		Anthracite			Bitu- minous, all grades	Anthracite			Bitu- minous, all grades
		Grate, egg, stove, nut, and pea	Screen- ings or dust	N.O.P.		Grate, egg, stove, nut, and pea	Screen- ings or dust	N.O.P.	
Nova Scotia.....	Belgium.....	650	.....	.....	.....	.....	.....	.....	144
New Brunswick.....	Germany.....	52,189	.....	.....	2	.....	.....	.....	.....
Quebec.....	.....	.....	.....	.....	2	.....	.....	2	6
British Columbia.....	Newfoundland.....	.....	.....	700	.....	.....	.....	.....	.....
	Alaska.....	.....	.....	.....	.....	.....	.....	8	144
	China.....	.....	.....	.....	.....	.....	.....	.....	.....
	French East Indies.....	.....	.....	700	.....	.....	.....	.....	.....
Canada.....		52,839		700	2			8	144

Table 20.—Imports of Anthracite, Bituminous and Lignite Coal into Canada, by Months, 1932 and 1933

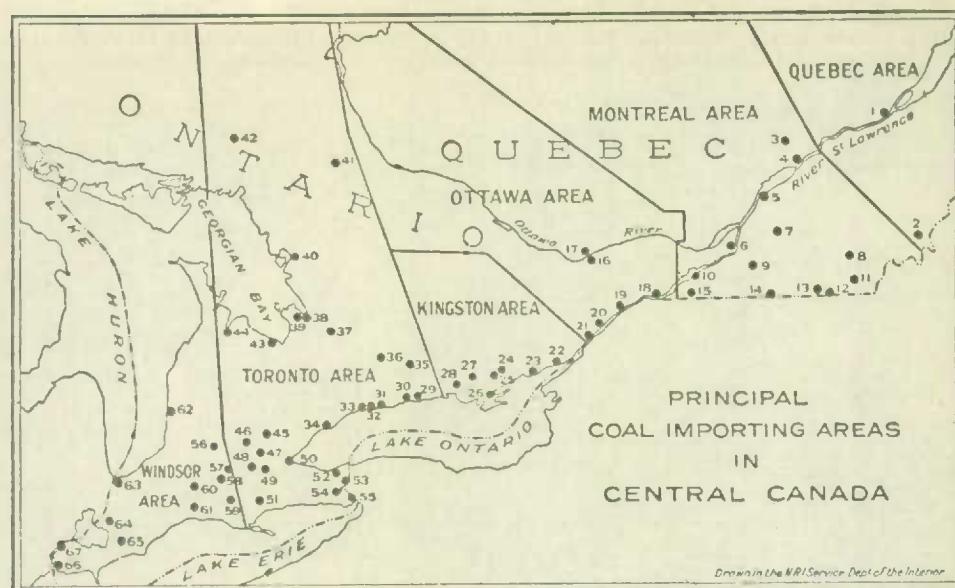
(Short tons)

Month	1932				1933			
	United States	Great Britain	Other countries	Total	United States	Great Britain	Other countries	Total
ANTHRACTITE—								
January.....	142,095	15,003	.....	157,998	122,618	17,670	.....	140,288
February.....	119,495	8,916	650	129,061	128,049	47,285	.....	175,334
March.....	214,150	8,103	.....	222,253	107,369	28,458	.....	135,827
April.....	122,000	57,029	.....	179,029	63,617	87,083	.....	150,700
May.....	150,802	170,967	.....	321,769	41,926	230,126	6	272,058
June.....	100,816	146,657	5,693	253,166	90,920	198,356	.....	289,276
July.....	97,620	213,835	7,073	318,528	162,911	177,974	.....	340,885
August.....	142,135	190,828	.....	338,963	146,498	171,398	.....	317,896
September.....	126,697	171,444	6,157	304,298	208,318	171,679	2	379,999
October.....	203,189	140,916	6,720	330,805	118,841	202,838	.....	321,679
November.....	126,027	107,696	19,266	342,989	132,507	225,048	.....	357,553
December.....	140,506	70,792	7,980	219,278	106,255	47,561	.....	154,116
Total.....	1,685,532	1,399,066	53,529	3,138,157	1,429,829	1,605,776	8	3,035,613
BITUMINOUS—								
January.....	471,155	.....	.....	471,155	325,915	19,615	.....	345,530
February.....	376,126	2,722	.....	378,848	267,342	12,105	.....	279,417
March.....	483,718	5,328	.....	489,046	354,970	7,085	.....	362,655
April.....	357,788	5,530	.....	363,318	269,381	12,209	144	281,734
May.....	664,478	53,605	.....	718,083	636,997	29,780	.....	666,777
June.....	671,034	34,391	.....	705,423	807,728	24,264	.....	831,992
July.....	703,739	32,187	.....	735,926	876,832	21,238	.....	898,070
August.....	818,376	40,674	.....	859,050	651,582	30,251	.....	981,833
September.....	966,643	25,290	.....	991,933	1,053,338	30,488	.....	1,053,826
October.....	949,388	31,425	2	980,815	830,264	52,693	.....	882,957
November.....	1,047,474	117,411	.....	1,164,885	984,111	79,259	.....	1,063,370
December.....	680,329	13,505	.....	673,834	730,991	19,074	.....	758,065
Total.....	8,170,248	362,068	2	8,532,318	8,089,451	338,061	144	8,437,656
LIGNITE—								
January.....	480	.....	.....	480	388	.....	.....	388
February.....	787	.....	.....	787	491	.....	.....	491
March.....	223	.....	.....	223	26	.....	.....	26
April.....	51	.....	.....	51	11	.....	.....	11
May.....	35	.....	.....	35	.....	.....	.....	.....
June.....	151	.....	.....	151	45	.....	.....	45
July.....	51	.....	.....	51	54	.....	.....	54
August.....	197	.....	.....	197	21	.....	.....	21
September.....	43	.....	.....	43	235	.....	.....	235
October.....	134	.....	.....	134	291	.....	.....	291
November.....	328	.....	.....	328	642	.....	.....	642
December.....	524	.....	.....	524	503	.....	.....	503
Total.....	3,804	.....	.....	3,004	2,707	.....	.....	2,707

Table 21.—Average Imports of Coal into Central Canada, by Principal Areas, for the Five Years, 1929-1933

(Short tons)

Destination	Anthracite			Total bituminous	Total all grades
	Grate, egg, stove, nut and pea	Other	Total		
Quebec.....	135,545	3,049	138,594	73,084	211,678
Montreal.....	1,348,338	143,253	1,490,591	862,003	2,352,594
Ottawa.....	140,194	24,016	164,210	791,474	955,684
Kingston.....	70,304	3,403	73,707	170,333	244,040
Toronto.....	1,121,276	97,972	1,219,248	4,798,182	6,017,430
Windsor.....	201,644	7,531	209,175	2,222,480	2,431,655
Total.....	3,017,301	278,224	3,295,525	8,917,556	12,213,081



Key to the Ports of Entry Shown on the Map

QUEBEC AREA—	OTTAWA AREA—	TORONTO AREA—CON.	TORONTO AREA—CON.
1 Quebec City	18 Ottawa	32 Oshawa	51 Simeon
2 Magog	17 Hull	33 Whitby	52 St. Catharines
	18 Cornwall	34 Toronto	53 Niagara Falls
	19 Morrisburg	35 Peterboro	54 Welland
MONTREAL AREA—	20 Prescott	36 Lindsay	55 Bridgeburg
3 Shawinigan Falls	21 Brockville	37 Orillia	
4 Thre Rivers		38 Port McNicoll	WINDSOR AREA—
5 Sorel	KINSTON AREA—	39 Midland	56 Stratford
6 Montreal	22 Gananoque	40 Parry Sound	57 Woodstock
7 St. Hyacinthe	23 Kingston	41 North Bay	58 Ingersoll
8 Sherbrooke	24 Napanee	42 Sudbury	59 Tillsonburg
9 St. John's	25 Deseronto	43 Collingwood	60 London
10 Valleyfield	26 Picton	44 Owen Sound	61 St. Thomas
11 Coaticook	27 Belleville	45 Guelph	62 Goderich
12 Beech Junction	28 Trenton	46 Kitchener	63 Sarnia
13 Mansenville		47 Galt	64 Wallaceburg
14 St. Armand	TORONTO AREA—	48 Paris	65 Chatham
15 Athelstan	29 Cobourg	49 Bradford	66 Amherstburg
	30 Port Hope	50 Hamilton	67 Windsor
	21 Bowmanville		

Table 22.—Average Imports of Coal into Canada, by Kinds and by Provinces, for the Five Years, 1929-1933

(Short tons)

Destination	Anthracite			Total bituminous	Lignite	Total all grades
	Grate, egg, stove, nut and pea	Other	Total			
Prince Edward Island.....	5,274	1,692	6,966	5,599		12,565
Nova Scotia.....	60,919	19	60,938	45,504		106,442
New Brunswick.....	101,511	1,171	102,682	46,590		119,281
Quebec.....	1,504,186	151,246	1,655,432	989,018		2,614,459
Central Ontario.....	1,531,826	132,673	1,664,499	8,885,702		10,550,291
Head of Lakes.....	25,560	1,977	27,537	1,041,212		1,068,749
Total Ontario.....	1,557,386	134,650	1,692,038	9,926,914		11,618,950
Manitoba.....	3,897	2,236	6,133	19,250	469	25,852
Manitoba and Head of Lakes.....	29,457	4,213	33,670	1,060,462	469	1,094,601
Saskatchewan.....	146	12	158	1,723	227	2,109
Alberta.....		18	16	1,084		1,100
British Columbia.....	343	879	1,222	11,857	8,285	21,364
Yukon.....				19		19
Canada.....	3,233,662	291,921	3,525,583	11,047,567	8,981	14,582,131

Table 23.—Summary Statistics for 1929—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 other countries	Coal available for consumption
	Output	Received from other provinces	Shipped to other provinces	Exported				
PRINCE EDWARD ISLAND—								
Anthracite.....		82,585			4,957	2,223		7,180
Bituminous.....		82,585			8,982			91,567
Total.....		82,585			13,939	2,223		98,747
Nova Scotia—								
Anthracite.....					28,695	31,612 (a)	5,601	63,908
Bituminous.....	7,056,133	2,889,053	351,176		14,153	21,991		3,832,048
Total.....	7,056,133	2,889,053	351,176		40,848	53,603	5,601	3,915,956
NEW BRUNSWICK—								
Anthracite.....					45,108	52,709 (a)	12,697	110,514
Bituminous.....	218,706	427,236	295	20,609	75,767	341		701,146
Total.....	218,706	427,236	295	20,609	120,875	53,050	12,697	811,660
QUEBEC—								
Anthracite.....					831,296	598,784 (a)	99,006	1,529,086
Bituminous.....		2,372,541		130	1,242,180	92,941 (b)	76	3,707,608
Total.....		2,372,541		130	2,073,476	691,725	99,082	5,238,694
CENTRAL ONTARIO—								
Anthracite.....					2,202,236	44,130		2,246,366
Bituminous.....				110	11,332,168			11,332,058
Sub-bituminous.....		*10,195						10,195
Lignite.....		*46,074		36				46,038
Total.....		56,269		146	13,534,404	44,130		13,634,657
MANITOBA AND HEAD OF LAKES—								
Anthracite.....					61,901			61,901
Bituminous.....		46,804		397	1,774,346			1,820,753
Sub-bituminous.....		91,867						91,867
Lignite.....		686,268		2,937	1,896			685,227
Total.....		824,939		3,334	1,838,143			2,659,748
SASKATCHEWAN—								
Anthracite.....					365			365
Bituminous.....		150,612		76	2,477			153,013
Sub-bituminous.....		74,560						74,560
Lignite.....	580,189	1,300,783	231,858	8,151	41			1,641,004
Total.....	580,189	1,525,955	231,858	8,227	2,883			1,868,942
ALBERTA—								
Bituminous.....	3,094,147	47,926	178,833	45	1,327			2,964,522
Sub-bituminous.....	668,702		230,303					438,399
Lignite.....	3,387,844		1,936,974	1,015				1,449,855
Total.....	7,150,693	47,926	2,346,110	1,060	1,327			4,852,776
BRITISH COLUMBIA—								
Anthracite.....					485		(c) 112	597
Bituminous.....	2,490,378	52,402	111,925	438,280	18,364	95		2,011,028
Sub-bituminous.....		53,681						53,681
Lignite.....		135,707		20,004	12,171			127,874
Total.....	2,490,378	241,790	111,925	458,290	31,020	95	112	2,193,180
YUKON—								
Bituminous.....		458			67			525
Total.....		458			67			525
CANADA—								
Anthracite.....								
Bituminous.....	12,859,822	3,180,106	3,180,106	810,829	3,173,043	729,458	117,416	4,019,917
Sub-bituminous.....	668,702	230,303	230,303		14,469,831	115,368	76	26,634,268
Lignite.....	3,968,033	2,168,832	2,168,832	32,143	14,108			668,702
Total.....	17,496,557	5,579,241	5,579,241	842,972	17,656,982	844,826	117,492	35,272,885

(a) Imported from Russia. (b) Imported from Newfoundland. (c) Imported from Japan.

*Shipments to any point in Ontario from western mines.

Table 24.—Summary Statistics for 1930—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 Russia	Imported from other countries	Coal available for consumption
	Output	Received from other provinces	Shipped to other provinces					
PRINCE EDWARD ISLAND—								
Anthracite.....				8,033	1,496			9,529
Bituminous.....	87,904			4,408	1,676			93,988
Total.....	87,904			12,441	3,172			103,517
NOVA SCOTIA—								
Anthracite.....				30,086	29,859	14,340		74,285
Bituminous.....	6,252,552	2,424,578	350,154	18,018	19,557			3,515,395
Total.....	6,252,552	2,424,578	350,154	48,104	49,416	14,340		3,589,680
NEW BRUNSWICK—								
Anthracite.....				28,325	60,844	24,880		114,049
Bituminous.....	209,349	443,111	499	24,724	72,299	35		699,571
Total.....	209,349	443,111	499	100,624	60,879	24,880		813,620
QUEBEC—								
Anthracite.....				754,897	903,928	252,187	(a) 11,480	1,922,492
Bituminous.....	1,894,062			200	1,111,811	124,931	(b) 33	3,130,637
Sub-bituminous.....	32							32
Total.....	1,894,094			200	1,866,708	1,028,859	252,187	5,053,161
CENTRAL ONTARIO—								
Anthracite.....					2,080,681			2,080,681
Bituminous.....	• 140			38	10,492,151			10,492,253
Sub-bituminous.....	• 5,729							5,729
Lignite.....	• 25,843			32				25,811
Total.....	31,712			70	12,572,832			12,604,474
MANITOBA AND HEAD OF LAKES—								
Anthracite.....					53,564			53,564
Bituminous.....	87,548			433	1,488,336			1,375,451
Sub-bituminous.....	74,031							74,031
Lignite.....	614,287			1,969				612,318
Total.....	775,866			2,402	1,541,900			2,315,364
SASKATCHEWAN—								
Anthracite.....					367			367
Bituminous.....	127,788			16	1,816			129,588
Sub-bituminous.....	61,733							61,733
Lignite.....	579,424	1,101,598	226,475	6,059	736			1,449,224
Total.....	579,424	1,291,119	226,475	6,075	2,919			1,040,912
ALBERTA—								
Bituminous.....	2,278,467	34,444	179,702	99	1,351			2,134,461
Sub-bituminous.....	603,358		193,321					410,037
Lignite.....	2,873,703	1,535	1,650,336	1,222				1,223,680
Total.....	5,755,528	35,979	2,023,359	1,321	1,351			3,768,178
BRITISH COLUMBIA—								
Anthracite.....					1		(e) 1,122	1,123
Bituminous.....	2,083,818	41,597	111,815	218,826	8,879			1,803,653
Sub-bituminous.....		51,796						51,796
Lignite.....		133,548		20,740	17,940			130,748
Total.....	2,083,818	226,941	111,815	239,506	26,820		1,122	1,987,320
YUKON—								
Bituminous.....	653				7			660
Total.....	653				7			660
CANADA—								
Anthracite.....					2,955,954	996,127	291,407	12,602
Bituminous.....	10,824,839	2,716,594	2,716,594	594,490	13,199,076	146,199	33	23,575,657
Sub-bituminous.....	603,358	193,321	193,321					603,358
Lignite.....	3,453,127	1,876,811	1,876,811	30,022	18,676			3,441,781
Total.....	14,881,324	4,786,726	4,786,726	624,512	16,173,706	1,142,326	291,407	12,635
								31,876,886

(n) Imported from Germany. (b) Imported from Newfoundland. (c) Imported from French East Indies.
*Shipments to any point in Ontario from western mines.

Table 25.—Summary Statistics for 1931—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 French East Indies	Coal available for consumption
	Output	Received from other provinces	Shipped to other provinces					
PRINCE EDWARD ISLAND—								
Anthracite					1,271	7,413		8,684
Bituminous		76,483			3,246	1,833		81,562
Total		76,483			4,517	9,246		90,246
NOVA SCOTIA—								
Anthracite					15,304	34,844	4,592	54,740
Bituminous	4,955,563		2,231,463	151,912	5,685	38,352		2,616,225
Total	4,955,563		2,231,463	151,912	20,989	73,196	4,592	2,670,965
NEW BRUNSWICK—								
Anthracite					39,420	45,598		85,018
Bituminous	182,181	408,843	98	54,986	31,068	6,162		573,170
Total	182,181	408,843	98	54,986	70,488	51,760		658,188
QUEBEC—								
Anthracite					544,963	786,301	60,762	1,392,026
Bituminous		1,746,183			57	858,015	75,560	2,679,701
Sub-bituminous		67						67
Lignite		33						33
Total		1,746,283			57	1,402,978	861,861	4,071,827
CENTRAL ONTARIO—								
Anthracite					1,613,435	2,208		1,615,643
Bituminous		455			30	8,619,083	391	8,619,899
Sub-bituminous		5,702						5,702
Lignite		22,151			38			22,113
Total		28,398			68	10,232,518	2,599	10,263,447
MANITOBA AND HEAD OF LAKES—								
Anthracite						21,997		21,997
Bituminous		176,804			92	703,130		879,842
Sub-bituminous		48,250						48,250
Lignite		1,306	520,023		1,196			520,133
Total		1,306	745,077		1,288	725,127		1,470,222
SASKATCHEWAN—								
Anthracite						1,535		121,903
Bituminous		120,467			9			27,215
Sub-bituminous		27,215						1,237,434
Lignite		662,836	822,844	240,036	2,233	23		
Total		662,836	970,526	246,036	2,242	1,558		1,386,642
ALBERTA—								
Bituminous	1,846,306	34,247	214,904	230		912		1,666,331
Sub-bituminous	471,343		119,027					352,316
Lignite	2,246,366		33	1,211,662	961			1,033,776
Total	4,564,016	34,290	1,545,593	1,191		912		3,052,423
BRITISH COLUMBIA—								
Anthracite						33		33
Bituminous	1,876,406	41,589	158,606	128,986		2,298		1,632,701
Sub-bituminous		37,703						37,703
Lignite		92,614			19,123	0,387		79,878
Total		1,876,406	171,906	158,606	148,109	8,718		1,750,315
YUKON—								
Bituminous		904				10		914
Total		904				10		914
CANADA—								
Anthracite	8,861,360	2,605,071	2,605,071		2,236,423	876,364	60,762	3,178,141
Bituminous	471,343	119,027	119,027		336,302	10,224,982	122,298	18,872,338
Sub-bituminous	2,910,508	1,457,698	1,457,698		23,551	0,410		471,343
Total	12,243,211	4,181,796	4,181,796		359,853	12,467,815	988,662	25,415,189

*Shipments to any point in Ontario from western mines.

Table 26.—Summary Statistics for 1932—Output, Exports, Interprovincial Shipments, Imports and Coal made Available for Consumption in Canada, by Provinces
(Short tons)

Province	Canadian coal				Im- ported from U.S.A.	Im- ported from Great Britain	Im- ported from Germany	Im- ported from French East Indies	Im- ported from Bel- gium	Im- ported from New- found- land	Coal available for con- sumption
	Output	Received from other provinces	Shipped to other provinces	Ex- ported							
PRINCE EDWARD ISLAND—											
Anthracite.....	69,142			70	2,034	3,865					5,899
Bituminous.....					3,973	2,067					75,112
Total.....	69,142			70	6,007	5,932					81,011
Nova Scotia—											
Anthracite.....											54,121
Bituminous.....	4,084,581	2,024,831	108,028		10,177	43,294			650		2,001,055
Total.....	4,084,581	2,024,831	108,028		10,236	92,568			650		2,055,176
NEW BRUNSWICK—											
Anthracite.....											108,299
Bituminous.....	212,695	367,728	2,067	51,315	29,666	78,633					554,182
Total.....	212,695	367,728	2,067	51,315	41,015	94,425					662,481
QUEBEC—											
Anthracite.....											1,701,898
Bituminous.....	1,587,423		66		408,005	1,241,704	52,189				2,348,920
Sub-bituminous.....	145				470,781	290,780					135
Lignite.....											
Total.....	1,587,558		66		878,780	1,532,484	52,189				4,050,953
CENTRAL ONTARIO—											
Anthracite.....											1,250,758
Bituminous.....	3,031				8,013,221	3,001					6,919,245
Sub-bituminous.....	5,709										5,709
Lignite.....	21,016										21,016
Total.....	29,756				8,137,060	29,920					8,196,728
MANITOBA AND HEAD OF LAKES—											
Anthracite.....											16,477
Bituminous.....	201,154		196		11,808	4,669					967,107
Sub-bituminous.....	43,387				766,148						63,387
Lignite.....	1,552	636,622		1,125	156						637,205
Total.....	1,552	901,163		1,320	778,112	4,669					1,684,176
SASKATCHEWAN—											
Anthracite.....											112,737
Bituminous.....	111,889		611		1,459						33,858
Sub-bituminous.....	33,858										1,528,139
Lignite.....	887,139	1,011,895	368,715	2,197	17						
Total.....	887,139	1,157,642	368,715	2,808	1,476						1,674,734
ALBERTA—											
Anthracite.....											3
Bituminous.....	1,734,705	11,231	225,450	287	830						1,521,029
Sub-bituminous.....	560,902		141,837								419,065
Lignite.....	2,575,041		1,385,624	709							1,188,708
Total.....	4,870,648	11,231	1,752,911	996	833						3,128,805
BRITISH COLUMBIA—											
Anthracite.....											702
Bituminous.....	1,681,490	21,109	120,359	109,713	2,424	1,154					1,476,105
Sub-bituminous.....	38,748										38,748
Lignite.....		84,806		11,163	2,831						76,474
Total.....	1,681,490	144,663	120,359	120,876	5,255	1,156			700		1,592,029
YUKON—											
Bituminous.....		808									812
Total.....		808									812
CANADA—											
Anthracite.....											3,138,157
Bituminous.....	7,714,279	2,372,707	2,372,707	270,293	1,685,532	1,309,086	52,189	700	650		2,976,304
Sub-bituminous.....	560,902	141,837	141,837		8,170,248	362,068					560,902
Lignite.....	3,463,732	1,754,339	1,754,339	15,194	3,004						3,451,542
Total.....	11,738,913	4,268,883	4,268,883	285,487	9,858,784	1,761,154	52,189	700	650		22,126,905

* Shipments to any point in Ontario from western mines.

Table 27.—Summary Statistics for 1933—Output, Exports, Interprovincial Shipments, Imports and Coal made Available for Consumption in Canada, by Provinces

(Short tons)

Province	Canadian coal				Im- ported from U.S.A.	Im- ported from Great Britain	Im- ported from Germany	Im- ported from China	Im- ported from Alaska	Coal available for con- sumption
	Output	Received from other provinces	Shipped to other provinces	Ex- ported						
PRINCE EDWARD ISLAND—										
Anthracite...					678	2,863				3,541
Bituminous...		63,726			133	1,377				65,536
Total...		63,726			811	4,840				69,077
NOVA SCOTIA—										
Anthracite...					7,846	49,785				57,635
Bituminous...	4,557,590	2,158	2,387,032	116,098	443	59,984				2,117,650
Total...	4,557,590	2,158	2,387,032	116,098	8,298	109,769				2,174,685
NEW BRUNSWICK—										
Anthracite...					18,932	76,578				95,530
Bituminous...	312,303	320,391	5,711	55,716	9,240	10,790	144			591,450
Total...	312,303	320,391	5,711	55,716	28,201	67,368	144			650,980
QUEBEC—										
Anthracite...					263,796	1,447,859				1,741,658
Bituminous...		1,998,953			433,706	244,276				2,676,335
Sub-bituminous...		32			***	***				32
Total...		1,998,985			717,506	1,692,135				4,408,625
CENTRAL ONTARIO—										
Anthracite...					1,104,156	24,894				1,129,049
Bituminous...		9,658			7,067,289	1,205				7,078,152
Sub-bituminous...	*19,168									19,166
Lignite...	*18,347									18,347
Total...	47,171				8,171,444	26,099				8,244,714
MANITOBA AND HEAD OF LAKES—										
Anthracite...					14,281	150				14,411
Bituminous...	215,957		24		569,175	1,178				786,286
Sub-bituminous...	66,256									66,256
Lignite...	3,880	619,338	1,194	292						622,316
Total...	3,880	901,551		1,218	583,728	1,328				1,489,269
SASKATCHEWAN—										
Anthracite...					57					57
Bituminous...	94,247		21		1,226	101				95,553
Sub-bituminous...	21,707									21,707
Lignite...	927,849	961,774	376,922	3,692	317					1,509,126
Total...	927,849	1,077,728	376,922	3,713	1,600	101				1,826,443
ALBERTA—										
Anthracite...					75					76
Bituminous...	1,726,250	5,921	240,141	310	998					1,492,724
Sub-bituminous...	554,118		140,196							413,922
Lignite...	2,438,414		1,286,502	816						1,151,096
Total...	4,718,758	5,921	1,666,839	1,126	1,073					3,057,817
BRITISH COLUMBIA—										
Anthracite...					2	3,847				3,657
Bituminous...	1,382,272	19,723	97,850	75,285	7,220	18,850				1,254,920
Sub-bituminous...		33,035			6,067	2,098				33,035
Lignite...		63,965								59,996
Total...	1,382,272	116,723	97,850	81,362	9,320	22,497				1,351,608
YUKON—										
Bituminous...		862			7					869
Total...		862			7					869
CANADA—										
Anthracite...										
Bituminous...	7,979,283	2,730,734	2,730,734	247,464	1,429,820	1,605,776				3,035,613
Sub-bituminous...	554,118	140,196	140,196		8,089,451	338,061	144			16,159,475
Lignite...	3,369,843	1,663,424	1,663,424	11,769	2,707					554,118
Total...	11,903,344	4,534,354	4,534,354	259,233	9,521,957	1,943,837	144	6	2	22,310,067

* Shipments to any point in Ontario from western mines.

Table 28.—Coal Made Available for Consumption in Canada, 1932 and 1933

(Short tons)

Month	1932				1933			
	Output	Imports	Exports	Coal made available for use	Output	Imports	Exports	Coal made available for use
January.....	1,188,467	629,633	34,017	1,784,083	1,038,843	488,206	37,971	1,487,078
February.....	1,230,218	508,696	26,948	1,711,966	1,049,897	455,272	22,413	1,482,756
March.....	1,050,070	711,522	27,380	1,734,812	825,023	497,908	22,531	1,300,400
April.....	739,634	542,398	12,576	1,269,350	670,633	432,445	8,363	1,094,715
May.....	697,764	1,039,887	18,269	1,719,382	677,859	938,835	15,008	1,601,688
June.....	793,868	958,742	13,771	1,738,839	698,951	1,121,313	12,155	1,804,109
July.....	651,911	1,054,505	27,878	1,678,538	675,264	1,239,009	18,894	1,895,379
August.....	727,075	1,198,210	24,281	1,901,004	894,837	1,299,750	21,635	2,172,952
September.....	934,191	1,290,274	18,854	2,211,611	1,140,978	1,464,060	19,049	2,585,989
October.....	1,268,028	1,331,774	17,748	2,582,054	1,579,351	1,204,927	23,258	2,761,020
November.....	1,253,947	1,508,202	33,255	2,728,894	1,346,875	1,421,567	26,135	2,742,310
December.....	1,203,240	893,636	30,510	2,066,366	1,304,830	904,684	31,821	2,177,683
Total.....	11,738,913	11,673,479	285,487	23,126,905	11,903,344	11,465,976	259,233	23,110,087

Table 29.—Annual Consumption of Coal in Canada, 1902-1933

Calendar year	Imported coal "entered for consumption"						Total	Per capita		
	Canadian*		From U.S.A.		From Great Britain					
	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	1,848		
1903.....	6,005,735	47.3	6,520,931	184,593	6,678,450	52.7	12,684,185	2,212		
1904.....	6,697,183	47.9	7,238,860	85,687	7,297,482	52.1	13,994,665	2,412		
1905.....	7,032,661	49.4	7,233,738	68,500	7,215,446	50.6	14,249,107	2,341		
1906.....	7,927,560	50.5	7,787,338	67,014	7,758,325	49.5	15,685,885	2,481		
1907.....	8,617,352	45.0	10,588,697	54,325	10,549,503	55.0	19,106,855	2,947		
1908.....	9,156,478	47.3	10,203,335	97,514	10,195,424	52.7	19,351,902	2,820		
1909.....	8,913,376	47.9	9,805,253	67,671	9,711,826	52.1	18,625,202	2,082		
1910.....	10,532,103	50.2	10,545,351	51,541	10,437,123	49.8	20,970,226	2,960		
1911.....	9,822,749	40.5	14,510,129	48,963	14,424,949	59.5	24,247,608	3,365		
1912.....	12,385,696	46.0	14,557,124	38,668	14,549,104	54.0	26,934,800	3,057		
1913.....	13,450,158	42.6	18,143,769	37,825	18,132,387	57.4	31,582,545	4,196		
1914.....	12,214,403	43.5	14,687,853	33,101	14,637,920	54.5	26,852,323	3,490		
1915.....	11,500,480	48.1	12,450,796	15,098	12,406,212	51.9	23,906,602	3,041		
1916.....	12,348,036	41.3	17,576,202	4,401	17,517,820	58.7	29,805,856	3,717		
1917.....	12,313,603	37.2	20,848,099	9,451	20,810,132	62.8	33,123,735	4,049		
1918.....	13,160,731	37.8	21,674,826	3,761	21,611,101	62.2	34,771,832	4,175		
1919.....	11,611,168	40.3	17,292,013	344	17,236,269	59.7	28,847,437	3,402		
1920.....	14,025,566	42.9	18,752,981	.....	18,668,741	57.1	32,694,307	3,788	
1921.....	12,715,734	41.1	18,300,081	1,591	18,258,387	58.9	30,974,121	3,524		
1922.....	13,044,552	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	3,199		
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	16,595,555	52.3	31,651,851	3,349		
1927.....	15,944,983	46.7	17,266,484	907,220	17,177,303	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	3,402		
1930.....	14,052,671	43.3	16,971,933	1,144,861	19,412,039	56.7	32,464,710	3,181		
1931.....	11,682,779	47.7	11,703,798	987,442	12,828,327	52.3	24,511,106	2,302		
1932.....	11,212,701	49.0	9,889,866	1,727,716	11,634,402	51.0	22,867,103	2,177		
1933.....	11,456,273	51.5	8,865,935	1,942,875	10,808,962	48.5	22,265,235	2,085		

*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-warehouse for ships' stores.

Table 30.—Coke made Available for Consumption in Canada, with the Coal Equivalent of the Imported Coke, 1902-1933

Year	Output	Imports	*Exports	Coke made available for consumption	Coal equivalent of imported coke	
				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	1,246,904	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	737,098	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	970,108	23,595	2,192,373	1,492,469	.182
1918	1,250,744	1,165,500	29,612	2,386,722	1,793,213	.215
1919	1,675,032	383,374	14,709	2,043,697	589,805	.069
1920	1,708,293	596,406	30,536	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	772,255	74,109	2,721,564	1,188,053	.123
1928	2,314,127	1,040,029	25,058	3,349,098	1,630,812	.168
1929	2,677,581	1,226,853	25,208	3,879,226	1,887,461	.193
1930	2,385,994	1,061,040	29,801	3,417,233	1,632,308	.164
1931	1,832,700	733,274	20,905	2,545,069	1,128,113	.109
1932	1,637,701	651,802	15,469	2,274,084	1,002,771	.095
1933	1,772,164	644,075	5,199	2,411,040	990,884	.093

* Prior to 1925 exports of petroleum coke were included.

Table 31.—Annual Consumption of Coal by Railroad Locomotives in Canada, 1911-1933
(Compiled in the Transportation Branch)

Year	Anthracite		Bituminous		Total		
	Short tons	Value	Short tons	Value	Short tons	Value	
Year ended June 30—		\$		\$		\$	
1911	6,444		6,769,903		6,776,342		
1912	5,374		7,732,938		7,738,312		
1913	4,662		9,040,963		9,045,623		
1914	5,271		8,268,186		8,223,457		
1915	3,691		6,673,845		6,677,536		
1916	4,899		8,672,455		8,677,354		
1917	4,900		9,783,524		9,788,424		
1918	3,283		9,836,623		9,839,906		
1919	4,430		9,136,593		9,141,023		
Calendar year—							
1920	4,270		10,372,687		10,376,952		
1921	9,081		8,784,607		8,794,288		
1922	8,721		70,523	9,032,396	57,036,011	9,041,057	57,706,534
1923	15,184		9,925,792	55,489,294	9,940,976	58,586,537	
1924	12,400		69,496	9,003,116	49,502,428	9,015,516	49,661,924
1925	12,809		61,066	8,809,969	44,951,692	8,822,778	45,015,758
1926	13,636		61,120	9,294,051	44,111,138	9,307,687	44,172,558
1927	12,570		58,857	9,487,300	44,728,524	9,499,960	44,782,381
1928	10,798		64,106	10,313,198	47,173,847	10,323,986	47,238,013
1929	11,409		70,694	9,628,711	43,130,096	9,640,120	43,200,790
1930	7,062		33,246	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	23,101,489	5,957,019	23,109,067
1933	1,665		6,490	5,521,052	22,145,931	5,522,717	22,152,421

Table 32.—Average Price per Short Ton of Canadian Coal at the Mines, by Grades, for each District and Province, 1933

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.....	3.95	3.44	5.02	4.27	.....	.....	5.00	4.37	.....	.....	2.52	1.71
Cumberland.....	4.33	3.43	4.51	4.01	.....	.....	.....	.....	.....	.....	2.39	1.82
Inverness.....	5.00	3.25	6.00	4.25	.....	.....	.....	.....	.....	.....	2.30	1.00
Pictou.....	4.75	4.08	5.58	4.67	.....	.....	.....	.....	.....	.....	3.17	2.63
Average.....	4.36	3.56	5.03	4.26	.....	.....	5.00	4.37	.....	.....	2.42	1.78
NEW BRUNSWICK.....	3.23	2.86	3.84	3.41	.....	.....	4.80	3.38	.....	.....	2.73	2.13
MANITOBA.....	2.75	2.50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
SASKATCHEWAN.....	1.62	1.51	1.69	1.50	1.56	1.26	1.14	0.99	1.25	1.25	0.95	0.75
ALBERTA—												
Bituminous—												
Cascade.....	5.00	3.90	6.00	4.75	4.75	4.75	4.25	4.25	3.75	3.00	3.50	2.50
Crowsnest.....	3.40	3.03	4.15	3.83	.....	.....	3.65	3.50	.....	.....	2.28	1.67
Mountain Park.....	3.50	3.25	4.33	4.00	.....	.....	4.00	3.70	.....	.....	2.80	2.43
Nordleg.....	3.40	3.40	.....	.....	.....	.....	.....	.....	.....	.....	2.20	0.80
Average bituminous.....	3.54	3.17	4.50	4.02	4.75	4.75	3.79	3.64	3.75	3.00	2.49	1.84
Sub-bituminous—												
Calspur.....	3.20	3.08	3.87	3.41	4.00	3.50	2.67	1.87	1.90	1.70	1.26	1.05
Pekisko.....	2.62	2.37	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pincher.....	3.25	3.25	4.00	4.00	.....	.....	3.25	3.25	.....	.....	1.00	1.00
Prairie Creek.....	3.25	2.75	4.50	4.25	4.25	4.25	2.75	1.90	.....	.....	1.15	1.15
Smundis.....	4.00	3.75	5.30	4.30	4.15	4.15	3.35	2.50	.....	.....	1.02	1.20
Average sub-bituminous.....	3.15	2.93	4.23	3.73	4.07	3.77	2.89	2.17	1.90	1.70	1.30	1.09
Lignite—												
Ardley.....	2.21	2.08	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Big Valley.....	2.25	2.25	2.25	2.25	.....	.....	1.50	1.50	.....	.....	.....	.....
Brooks.....	1.75	1.75	3.50	3.00	.....	.....	.....	.....	.....	.....	.....	.....
Camrose.....	2.01	1.90	2.87	2.15	2.03	1.63	2.13	1.50	.....	.....	0.78	0.58
Carbon.....	2.33	2.00	3.04	2.39	2.65	1.62	1.96	1.31	1.62	0.92	0.60	0.46
Castor.....	1.72	1.56	1.81	1.62	.....	.....	.....	.....	.....	.....	.....	.....
Champion.....	3.00	2.50	3.00	2.75	.....	.....	1.62	1.62	.....	.....	.....	.....
Drumheller.....	2.69	2.50	3.41	2.78	2.64	2.07	2.02	1.59	1.25	0.93	0.70	0.54
Edmonton.....	2.21	1.88	2.78	2.35	2.13	1.77	1.60	1.28	1.06	0.86	0.74	0.40
Gleichen.....	2.83	2.33	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Halcourt.....	3.75	3.75	3.69	3.69	.....	.....	2.88	2.75	.....	.....	1.00	0.92
Lethbridge.....	2.81	2.12	3.53	3.01	3.30	3.22	2.36	2.21	1.65	1.65	0.95	0.80
Magrath.....	2.25	2.25	4.00	3.63	.....	.....	3.00	2.50	.....	.....	1.00	1.00
Milk River.....	2.63	2.63	4.00	3.50	.....	.....	.....	.....	.....	.....	.....	.....
Pakowki.....	3.00	2.00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Penlina.....	2.50	1.25	3.37	1.75	2.88	1.95	2.88	1.58	1.98	1.73	0.95	0.70
Redcliff.....	2.25	1.50	2.70	2.37	2.25	1.75	.....	.....	.....	.....	1.00	0.95
Rochester.....	2.37	2.25	.....	.....	.....	.....	1.37	1.37	.....	.....	0.50	0.50
Sheerness.....	2.00	1.69	2.25	1.81	1.75	1.25	1.00	1.00	1.00	.....	0.85	0.50
Tiber.....	1.87	1.87	2.64	2.44	2.00	1.90	1.75	1.38	1.38	1.03	0.98	0.98
Tofield.....	1.60	1.38	2.13	1.63	.....	.....	.....	.....	.....	.....	1.05	0.93
Wetaskiwin.....	.....	2.50	2.25	.....	.....	.....	.....	.....	.....	.....	.....	.....
Average lignite.....	2.23	1.98	3.01	2.53	2.35	1.90	1.87	1.52	1.32	1.05	0.81	0.62
Average for Alberta.....	2.43	2.17	3.24	2.76	2.61	2.19	2.12	1.75	1.47	1.18	1.08	0.83
BRITISH COLUMBIA—												
Crow's Nest Pass.....	3.23	2.68	4.24	3.79	.....	.....	.....	.....	.....	.....	2.35	1.54
Inland.....	3.09	3.56	4.82	4.53	4.12	3.88	3.31	2.91	2.24	2.06	1.82	1.51
Island.....	4.24	3.79	5.41	4.22	5.70	5.02	4.60	4.34	3.94	3.59	2.40	2.08
Average.....	3.65	3.39	5.02	4.29	4.80	4.37	3.96	3.62	3.09	2.83	2.12	1.72
YUKON.....			10.00	10.00	.....	.....	.....	.....	.....	.....	.....	.....
Canada.....	2.43	2.17	3.39	2.91	2.83	2.42	2.33	1.94	1.91	1.64	1.39	1.07

Table 33.—Yearly Average Retail Prices of Coal in Canada, by Principal Municipalities,
1931-1933
(Compiled in the *Internal Trade Branch*)

Province and municipality	Anthracite			Bituminous		
	1931	1932	1933	1931	1932	1933
PRINCE EDWARD ISLAND— Charlottetown.....	\$	\$	\$	\$	\$	\$
				9.94	9.72	9.43
NOWA SCOTIA— Amherst.....				9.01	8.61	8.00
Halifax.....				10.87	10.69	10.121
Truro.....				10.25	9.87	9.25
NEW BRUNSWICK— Bathurst.....				10.00	9.64	9.25
Fredericton.....				11.50	10.96	10.00
Moncton.....				11.00	10.81	10.25
St. John.....				12.30	11.95	10.78
QUEBEC— Hull.....	15.69	15.81	15.21			
Montreal.....	15.62	15.25	14.43			
Quebec.....	15.29	14.96	14.04			
St. Hyacinthe.....	14.48	14.32	13.70			
St. Johns.....	14.38	13.62	13.46			
Sherbrooke.....	15.84	15.41	15.18			
Sorel.....	14.31	14.32	14.04			
Three Rivers.....	14.75	14.85	14.61			
ONTARIO— Belleville.....	15.50	15.33	14.73			
Brantford.....	15.08	14.62	13.94			
Brockville.....	15.00	15.00	14.46			
Chatham.....	15.46	15.60	15.12			
Fort William.....	16.07	16.75	16.37			
Galt.....	15.06	14.87	14.46			
Guelph.....	15.03	14.71	14.19			
Hamilton.....	15.10	14.58	13.94			
Kingston.....	15.00	15.00	14.75			
Kitchener.....	15.03	14.60	14.37			
London.....	15.54	15.34	14.73			
Niagara Falls.....	13.48	12.94	12.83			
Orillia.....	15.92	15.58	14.98			
Ottawa.....	15.71	15.81	15.12			
Owen Sound.....	15.21	14.99	14.90			
Peterborough.....	15.12	14.96	14.77			
Port Arthur.....	17.25	17.03	16.37			
St. Catharines.....	15.62	15.04	14.26			
St. Thomas.....	15.35	15.08	14.19			
Sault Ste. Marie.....	15.67	15.37	14.96			
Stratford.....	15.46	14.92	14.25			
Toronto.....	15.04	14.82	14.04			
Windsor.....	15.71	15.25	14.50			
Woodstock.....	14.12	14.83	13.87			
MANITOBA— Brandon.....				11.36	10.64	10.44
Winnipeg.....				11.67	11.08	10.97
SASKATCHEWAN— Moose Jaw.....				0.49	0.10	8.81
Prince Albert.....				9.98	9.87	9.40
Regina.....				10.21	9.77	9.04
Saskatoon.....				9.80	9.29	8.69
ALBERTA— Calgary...{Drumheller lump.....				8.50	8.46	7.25
Calgary...{Edmonton lump.....				9.25	9.25	
Edmonton.....				5.54	4.98	4.25
BRITISH COLUMBIA— Nelson.....				11.50	11.02	10.85
New Westminster.....				11.09	10.50	10.50
Prince Rupert.....				12.06	12.56	12.56
Trail.....				11.00	11.00	11.00
Vancouver.....				11.00	10.50	10.50
Victoria.....				11.12	10.75	10.75

Table 34.—Average value of Coal f.o.b. Mines, together with Labour, Fuel and Electricity Costs per ton Raised, by Provinces and by Districts, in 1932 and 1933

	1932			1933		
	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.....	3.530	*2.552	.471	3.363	1.872	.430
Cumberland.....	4.013	*2.304	.500	3.830	2.199	.584
Inverness.....	3.964	*3.490	.693	3.804	3.219	.946
Pictou.....	4.313	*3.234	.381	4.139	3.070	.485
Total Nova Scotia.....	3.713	2.638	.471	3.504	2.059	.467
NEW BRUNSWICK—(Bituminous).....	3.734	2.636	.104	3.366	2.935	.072
MANITOBA—(Lignite).....	2.374	2.064	.....	2.875	1.113	.343
SASKATCHEWAN—(Lignite).....	1.386	.715	.081	1.386	.730	.086
ALBERTA—						
Bituminous—						
Cascade.....	3.749	2.184	.341	3.733	2.411	.451
Crowsnest.....	3.202	2.103	.241	3.047	2.012	.225
Mountain Park.....	3.267	1.794	.119	3.162	1.827	.142
Nordegg.....	3.359	2.020	.121	3.210	1.958	.107
Total Bituminous.....	3.205	1.978	.191	3.149	1.974	.204
Sub-bituminous—						
Coalspur.....	2.129	1.442	.090	2.025	1.425	.093
Pekisko.....	2.088	1.843	.....	2.342	1.862	.....
Pincher.....	2.909	1.715	.033	2.922	1.703	.048
Prairie Creek.....	3.105	2.650	.112	3.048	2.029	.119
Saunders.....	3.984	3.237	.282	3.672	2.911	.295
Total Sub-bituminous.....	2.370	1.706	.104	2.299	1.622	.111
Lignite—						
Ardley.....	2.317	1.262	.....	2.244	1.202	.037
Big Valley.....	1.988	1.293	.079	1.577	1.273	.073
Brooks.....	2.869	2.011	.004	2.584	1.869	.003
Camrose.....	2.050	1.443	.031	1.853	1.414	.028
Carbon.....	2.258	1.638	.036	2.082	1.390	.051
Castor.....	1.935	1.284	.024	1.646	1.236	.022
Champion.....	2.832	1.760	.035	2.601	1.496	.042
Drumheller.....	2.695	1.725	.079	2.454	1.504	.076
Edmonton.....	1.985	1.388	.052	1.817	1.319	.046
Gleichen.....	3.406	1.908	.114	3.159	1.529	.153
Halcourt.....	3.780	1.992	.....	3.812	2.144	.....
Lethbridge.....	3.149	2.411	.124	3.041	2.384	.147
Macbeth.....	3.239	2.100	.097	2.494	1.457	.093
Milk River.....	2.874	1.753	.....	2.819	1.577	.....
Pakon.....	.653	.510	.....	.....	.....	.....
Pakowki.....	2.229	1.347	.....	2.160	1.436	.....
Penibina.....	1.844	1.324	.081	1.725	1.101	.062
Redcliff.....	2.134	1.284	.....	1.912	1.144	.034
Rochester.....	2.207	1.397	.251	1.780	1.404	.222
Sexsmith.....	1.832	1.162	.081	1.655	1.088	.075
Sheerness.....	2.515	1.838	.....	1.443	1.304	.....
Steveville.....	2.176	1.386	.....	2.225	1.447	.034
Taber.....	1.729	1.080	.080	1.579	1.056	.098
Tofield.....	2.295	.789	.....	2.327	1.754	.....
Wetaskiwin.....	2.500	.....	.....	2.579	2.368	.....
Whitecourt.....	.....	.....	.....	2.255	1.960	.....
Area not designated.....	.....	.....	.....	.....	.....	.....
Total Lignite.....	2.517	1.701	.076	2.296	1.535	.076
Total Alberta.....	2.777	1.800	.120	2.608	1.706	.127
BRITISH COLUMBIA—(Bituminous)						
Crow's Nest Pass.....	2.959	2.059	.295	2.850	1.754	.276
Inland.....	3.790	2.877	.269	3.799	2.788	.307
Island.....	4.430	2.841	.271	4.575	2.803	.273
Total British Columbia.....	3.802	2.557	.279	3.839	2.419	.279
YUKON—(Bituminous).....	4.321	3.001	.071	4.258	2.900	.090
Canada.....	3.162	2.133	.262	3.018	1.880	.270

*Includes some labour costs not directly applicable to mining. These costs have been excluded in 1933.

Table 35.—Employees, Salaries and Wages in the Coal Mines in Canada, by Provinces, 1933

Province	Average number of employees					Salaries and wages		
	Salaried employees		Wage-earners		Total	Salaries	Wages	Total
	Male	Female	Surface	Under-ground				
Nova Scotia.....	349	52	1,951	9,910	12,262	716,697	8,667,718	9,384,415
New Brunswick.....	22	7	209	816	1,054	55,146	861,408	916,554
Manitoba.....			4	6	10		4,318	4,318
Saskatchewan.....	44	7	267	624	942	98,629	578,215	676,844
Alberta.....	540	38	2,075	5,896	8,549	1,148,946	6,900,798	8,049,744
British Columbia.....	206	18	925	2,125	3,274	457,997	2,886,364	3,344,361
Yukon.....			2	2	4		2,500	2,500
Canada.....	1,161	122	5,433	19,379	26,095	2,477,415	19,901,321	22,378,736

Table 36.—Employment and Earnings in the Coal Mines of Canada, 1929-1933

—	1929	1930	1931	1932	1933
Average number of wage-earners—					
Surface.....	6,323	6,106	5,788	5,553	5,433
Underground.....	21,904	21,598	20,701	20,044	19,379
Total.....	28,227	27,704	26,489	25,597	24,812
Days' work done—					
Surface.....	1,736,276	1,529,602	1,292,264	1,213,937	1,170,095
Underground.....	5,381,416	4,547,082	3,599,277	3,330,325	3,341,250
Total.....	7,117,692	6,076,684	4,891,541	4,544,262	4,511,345
Average number of days worked per man per year—					
Surface.....	275	250	223	219	215
Underground.....	246	210	174	166	172
By all wage-earners.....	252	219	185	177	182
Total wages paid.....	\$ 39,062,429	\$ 33,257,178	\$ 25,841,882	\$ 22,263,441	\$ 19,901,321

Table 37.—Wage-earners Employed in the Coal Mines of Canada, by Months and by Provinces, 1928-1933

Month and year	Nova Scotia	New Brunswick	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon	Canada
January.....	13,498	587	726	11,512	5,330	.....	.....	31,653
1929	12,906	674	711	11,173	4,995	.....	.....	30,460
1930	13,328	617	723	11,060	5,141	.....	.....	30,869
1931	13,555	659	672	10,880	4,292	.....	.....	30,658
1932	13,348	680	19	872	9,603	3,985	.....	28,567
1933	12,219	996	25	1,212	10,015	3,544	.....	28,011
February.....	13,444	573	603	10,245	5,231	.....	.....	30,056
1929	12,665	698	691	11,098	4,953	.....	.....	30,105
1930	13,202	625	631	9,784	5,056	.....	.....	29,298
1931	13,149	672	613	9,235	4,150	.....	.....	27,819
1932	13,315	721	19	843	9,280	3,973	.....	28,151
1933	12,139	999	22	1,159	9,371	3,428	.....	27,118
March.....	13,501	565	521	9,174	5,147	.....	.....	28,908
1929	12,400	666	592	9,212	5,105	.....	.....	27,975
1930	13,183	601	521	8,616	4,197	.....	.....	27,118
1931	13,276	622	545	8,164	4,064	.....	.....	26,671
1932	13,208	654	9	715	7,957	3,867	.....	26,410
1933	12,012	1,036	14	842	8,066	3,303	.....	25,333
April.....	13,504	529	333	7,669	4,800	.....	.....	26,835
1929	12,578	560	413	7,610	4,946	.....	.....	26,107
1930	13,325	592	364	6,617	4,178	.....	.....	25,676
1931	13,462	597	381	6,758	3,977	.....	.....	25,175
1932	13,144	582	504	5,485	3,762	.....	.....	23,477
1933	12,064	879	462	6,238	2,848	.....	.....	22,591
May.....	13,617	523	307	6,837	4,879	.....	.....	26,163
1929	12,700	533	373	7,230	4,365	.....	.....	25,201
1930	13,366	555	338	6,209	4,149	.....	.....	24,707
1931	13,449	550	321	6,241	3,949	.....	.....	24,310
1932	13,003	689	356	5,400	3,762	.....	.....	23,216
1933	10,548	959	414	5,650	2,824	.....	.....	20,428
June.....	13,528	532	298	7,200	4,983	4	26,545	
1929	12,824	533	308	7,707	4,285	3	25,720	
1930	13,318	553	312	6,496	4,153	3	24,835	
1931	13,607	536	295	5,551	3,595	3	23,587	
1932	12,460	694	310	5,208	3,521	3	22,196	
1933	11,875	1,078	390	5,448	2,800	4	21,595	
July.....	13,433	527	304	7,698	4,958	4	26,921	
1929	12,629	530	375	8,053	4,370	3	25,960	
1930	13,225	566	329	6,800	4,164	3	25,082	
1931	13,518	565	317	5,673	3,629	3	23,705	
1932	12,241	688	428	5,149	3,564	3	22,073	
1933	11,697	1,042	348	5,413	2,826	4	21,330	
August.....	13,271	516	318	8,633	4,892	4	27,634	
1929	12,559	544	391	8,689	4,445	3	26,631	
1930	13,205	553	382	7,702	4,206	3	26,051	
1931	13,258	569	345	6,321	3,575	4	24,072	
1932	12,142	678	462	6,397	3,625	2	23,306	
1933	11,821	1,011	505	6,516	2,805	4	22,662	
September.....	12,950	549	457	9,376	5,042	4	28,378	
1929	12,850	515	614	9,902	4,871	3	28,755	
1930	13,431	563	545	9,323	4,033	3	27,888	
1931	13,205	589	420	8,445	3,717	3	26,376	
1932	12,295	719	770	8,388	3,562	3	25,734	
1933	12,000	1,004	10	1,067	8,679	2,915	3	25,675
October.....	12,913	843	738	10,412	5,269	.....	.....	30,175
1929	12,836	538	732	10,989	5,041	.....	.....	30,236
1930	13,561	589	777	10,946	4,324	.....	.....	30,197
1931	13,421	594	722	9,158	3,819	.....	.....	27,797
1932	11,720	687	3	1,143	10,061	3,599	.....	27,213
1933	12,070	1,030	12	1,521	9,981	3,037	.....	27,651
November.....	13,162	612	773	11,181	5,047	.....	.....	30,775
1929	12,989	558	737	11,239	5,047	.....	.....	30,570
1930	13,630	575	740	11,339	4,386	.....	.....	30,650
1931	13,445	636	39	908	9,965	3,909	.....	28,902
1932	12,263	815	7	1,302	10,586	3,406	.....	28,469
1933	12,147	1,086	19	1,427	10,120	3,135	.....	27,934
December.....	13,172	661	719	11,417	4,943	.....	.....	30,912
1929	13,082	583	734	11,507	5,067	.....	.....	30,973
1930	13,742	626	703	11,203	4,387	.....	.....	30,661
1931	13,306	711	41	864	9,893	4,007	.....	28,822
1932	12,538	895	11	1,257	10,377	3,502	.....	28,380
1933	11,745	1,050	19	1,352	10,153	3,077	.....	27,396
Average.....	13,233	585	509	9,240	5,043	4	28,754	
1929	12,760	578	561	9,534	4,791	3	28,227	
1930	13,376	584	529	8,849	4,363	3	27,704	
1931	13,388	608	538	8,021	3,890	3	26,489	
1932	12,623	709	6	748	7,824	3,684	3	25,597
1933	11,561	1,025	10	891	7,971	3,050	4	24,812

Table 38.—Wage-earners Employed and Days' Work Done, by Months, in the Coal Mines of Canada, 1933, with Comparative Totals for 1932

Month	Number of wage-earners			Days' work done		
	Surface	Under-ground	Total	Surface	Under-ground	Total
January.....	5,896	22,115	28,011	102,790	281,537	384,333
February.....	5,745	21,373	27,118	98,226	273,667	371,893
March.....	5,474	19,859	25,333	92,966	235,987	328,953
April.....	4,906	17,685	22,591	75,735	197,318	273,053
May.....	4,631	15,797	20,428	78,509	202,373	280,882
June.....	4,753	16,842	21,595	77,335	214,532	291,867
July.....	4,687	16,643	21,330	74,450	209,189	283,639
August.....	5,124	17,538	22,662	93,744	270,996	361,746
September.....	5,702	19,973	25,675	104,775	324,154	428,929
October.....	0,152	21,498	27,651	131,240	424,104	555,344
November.....	0,119	21,815	27,934	119,910	366,752	486,562
December.....	0,003	21,393	27,396	120,409	340,641	461,050
Total for 1933.....				1,170,095	3,341,250	4,511,345
Total for 1932.....				1,213,937	3,330,325	4,544,262

Table 39.—Wage-earners Employed in the Coal Mines of Canada, by Classes and by Provinces, 1933, with Comparative Totals for 1932

Classification	Province							Canada		
	Nova Scotia	New Brunswick	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon	Surface	Under-ground	Total
Administration.....	58	16	.....	9	66	12	.....	160	1	161
Officials, foremen and clerks.....	664	31	1	89	602	188	1	529	1,047	1,576
Screenmen and loaders.....	649	56	2	91	707	117	1	1,623	.....	1,623
Stripping shovel operators.....	.....	.....	4	.....	.....	.....	.....	4	.....	4
Hand cutters and helpers.....	939	619	5	396	1,916	813	2	.....	4,690	4,690
Machine cutters and helpers.....	1,038	68	.....	33	371	115	.....	1,625	1,625	1,625
Machine loaders and helpers.....	1,943	11	.....	29	1,632	184	.....	.....	3,799	3,799
Horse haulage employees.....	422	2	1	65	450	102	.....	58	1,074	1,132
Mechanical haulage employees.....	1,456	2	.....	25	351	245	.....	111	1,965	2,079
Ventilation employees.....	247	3	.....	5	71	20	.....	1	345	346
Roundmakers.....	263	7	.....	18	127	40	.....	4	451	455
Timbermen.....	1,013	25	1	10	232	110	.....	13	1,378	1,391
Pumpmen.....	103	4	.....	7	43	18	.....	7	168	175
Loading shovel.....	.....	.....	8	.....	.....	.....	.....	8	.....	8
Chute loaders.....	50	.....	.....	.....	126	8	.....	.....	184	184
Enginemen.....	227	13	.....	11	157	63	.....	406	65	471
Firemen.....	132	1	.....	12	94	38	.....	277	.....	277
Machinists.....	187	1	.....	5	63	38	.....	283	11	294
Carpenters and masons.....	105	6	.....	7	48	30	.....	204	1	205
Other mechanics.....	299	1	.....	5	82	112	.....	366	233	499
Japanese.....	.....	.....	.....	.....	9	.....	1	8	9	9
Chinese.....	.....	.....	.....	.....	.....	113	.....	110	3	113
Indians.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
All other employees.....	2,066	159	.....	62	833	570	.....	1,365	2,331	3,696
Total for 1933.....	11,861	1,025	10	891	7,971	3,650	4	5,433	19,379	24,812
Total for 1932.....	12,623	709	6	748	7,824	3,684	3	5,553	20,044	25,597

Table 40.—Average Output of Coal per Man-Day in Canada, by Provinces and by Districts, 1932 and 1933

	1932			1933		
	Number of man days	Output	Average output per man day	Number of man days	Output	Average output per man day
Nova Scotia—						
Cape Breton.....	1,187,383	2,831,753	2.385	1,329,995	3,444,118	2.590
Cumberland.....	323,932	634,516	1.959	314,761	604,893	1.922
Inverness.....	103,578	120,909	1.167	90,479	102,628	1.134
Pictou.....	348,891	497,403	1.426	280,826	405,951	1.446
Total.....	1,963,784	4,084,581	2.080	2,016,061	4,557,590	2.261
NEW BRUNSWICK.....	155,131	212,695	1.371	256,208	312,303	1.219
MANITOBA.....	1,128	1,552	1.376	2,056	3,880	1.887
SASKATCHEWAN.....	164,176	887,139	5.404	192,043	927,649	4.830
ALBERTA—						
Bituminous—						
Cascade.....	52,855	169,328	3.204	43,036	124,308	2.888
Crowsnest.....	240,365	714,356	2.972	281,261	876,402	3.116
Mountain Park.....	191,314	712,361	3.724	159,270	584,431	3.669
Nordegg.....	45,036	138,660	3.079	43,344	141,115	3.256
Total Bituminous.....	529,570	1,734,705	3.276	526,911	1,726,256	3.276
Sub-Bituminous—						
Coulspur.....	99,759	452,536	4.536	101,022	427,486	4.232
Pekisko.....	1,081	1,542	1.436	895	1,643	1.836
Pincher.....	1,932	2,790	1.444	1,353	1,978	1.462
Prairie Creek.....	30,587	68,127	2.227	29,661	84,676	2.855
Saunders.....	12,383	35,907	2.900	16,695	38,335	2.296
Total Sub-Bituminous.....	145,742	560,902	3.849	149,626	554,118	3.703
Lignite—						
Ardley.....	7,888	18,463	2.341	8,112	20,951	2.583
Big Valley.....	2,326	4,098	2.020	2,351	4,407	1.875
Brooks.....	2,443	6,023	2.711	2,674	6,870	2.569
Camrose.....	15,071	42,356	2.810	13,494	37,394	2.771
Carbon.....	30,289	88,394	2.918	34,280	100,525	2.932
Castor.....	14,122	37,118	2.628	14,068	34,298	2.438
Champion.....	9,997	17,321	1.733	13,918	20,497	1.473
Drumheller.....	334,654	1,245,673	3.722	288,193	1,112,277	3.850
Edmonton.....	149,038	452,814	3.038	151,767	478,225	3.151
Gleichen.....	2,482	5,058	2.038	2,762	4,662	1.688
Halcourt.....	1,655	2,163	1.307	2,695	2,894	1.074
Lethbridge.....	160,564	387,147	2.411	141,118	337,008	2.388
Magrath.....	1,475	1,786	1.211	1,229	2,006	1.632
Mile River.....	2,529	4,091	1,618	2,651	5,202	1.962
Pakani.....	349	396	0.562			
Pakowki.....	1,666	2,717	1.631	1,831	2,879	1.572
Pembina.....	23,229	99,101	4.286	21,550	101,726	4.720
Redcliff.....	7,300	24,064	3.296	9,935	32,299	3.251
Rochester.....	381	358	0.940	1,018	1,214	1.193
Sexsmith.....						
Sheerness.....	9,189	24,530	2.689	10,795	28,353	2.626
Steveville.....	124	136	1.097	115	115	1.000
Taber.....	7,969	14,389	1.806	8,074	16,049	1.988
Tofield.....	19,006	95,047	5.032	18,770	88,213	4.700
Wetaskiwin.....	130	190	1.462	94	171	1.819
Whitecourt.....	6	8	1.333	39	38	0.974
Area not designated.....				188	141	0.750
Total Lignite.....	803,882	2,575,041	3.203	751,728	2,438,414	3.244
Total Alberta.....	1,479,194	4,870,648	3.293	1,428,265	4,718,788	3.304
BRITISH COLUMBIA—						
Crow's Nest Pass.....	181,672	621,431	3.421	129,854	502,334	3.868
Inland.....	118,462	221,172	1.867	107,546	194,041	1.804
Island.....	480,433	838,887	1.746	379,110	685,897	1.809
Total.....	780,567	1,681,400	2.154	616,510	1,382,272	2.242
YUKON.....	282	808	2.865	202	862	4.267
Canada.....	4,544,262	11,738,913	2.583	4,511,345	11,903,344	2.639

Table 41.—Fatal and Non-Fatal Accidents in the Coal Mining Industry in Canada, by Provinces, 1933, with Comparative Totals for 1932

	Nova Scotia		New Brunswick		Saskatchewan		Alberta		British Columbia		Canada		
	Fatal	Non-fatal	Fatal	Non-fatal	Fatal	Non-fatal	Fatal	Non-fatal	Fatal	Non-fatal	Fatal	Non-fatal	
UNDERGROUND													
Falls of roof or face.....	4	274			71	3	68	2	60	2	157	11	630
Mine cars and locomotives.....	4	151			32	1	22	1	32	1	57	7	294
Gas and dust explosions.....	2				2				4		3	2	9
Explosives.....		3			4				1		1		2
Electricity.....	1						2			5			5
Timbering.....													
Mining and loading coal.....							59			13			72
Coal cutting machines.....									9				9
Miscellaneous.....	1	223			70		43		19		226	1	581
Total underground.....	12	651			179	4	194	3	143	3	444	22	1,611
SURFACE													
Haulage and cars.....		19			12		25	2	5		3	2	64
Machinery.....		12			1						6		19
Miscellaneous.....		51			16		34	1	21		36	1	158
Total surface.....		82			29		59	3	26		45	3	241
Total for 1933.....	12	733			208	4	253	6	169	3	489	25	1,852
Total for 1932.....	11	788	5	339	4	220	11	157	8	652	39	2,156	

Table 42.—Fuel and Electricity Used in the Coal Mining Industry in Canada, by Kinds and by Provinces, 1933

Province	Coal			Gasoline kerosene and fuel oil	Elec- tricity purchased	Total value	Electri- city generated for own use
	Bituminous	Sub-bituminous	Lignite				
Nova Scotia—							
Quantity.....	353,981					62,256,124	13,010,283
Value.....\$	1,244,503					883,374	2,127,877
New Brunswick—							
Quantity.....	2,827				65	651,166	
Value.....\$	9,304				20	13,119	22,443
Manitoba—							
Quantity.....					4,360		
Value.....\$					1,329		1,329
Saskatchewan—							
Quantity.....				31,887	23,145	1,769,139	248,600
Value.....\$				32,232	5,527	41,872	79,631
Alberta—							
Quantity.....	77,248	34,901	75,482	26,612	16,685,768		14,947,983
Value.....\$	222,651	61,250	69,815	6,369	237,327	597,412	
British Columbia—							
Quantity.....	113,645				877	7,849,798	16,861,757
Value.....\$	304,311				320	81,231	385,862
UKON—							
Quantity.....	22						78
Value.....\$	78						
Canada—							
Quantity.....	547,723	31,901	107,369	55,079	89,231,995		45,668,623
Value.....\$	1,780,847	61,256	107,047	13,565	1,256,923	3,214,632	

Table 43.—Power Employed in the Coal Mining Industry in Canada, by Provinces, 1933

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. H.P.	71 56,391	.....	.....	71 56,391	576 46,885	617 103,276	67 5,265	643 52,150	120 34,690
New Brunswick..... No. H.P.	19 1,187	1 3	.....	20 1,190	53 480	73 1,670	.....	53 480	17 610
Manitoba..... No. H.P.	6 15	.....	.....	6 15	.....	6 15	.....	.....	.....
Saskatchewan..... No. H.P.	42 2,466	15 268	.....	57 2,734	111 2,619	168 5,353	42 592	153 3,211	17 1,972
Alberta..... No. H.P.	172 28,644	64 795	.....	236 29,439	728 26,212	964 55,651	341 10,256	1,069 56,468	153 19,790
British Columbia..... No. H.P.	105 20,586	2 31	12,000	109 38,617	78 2,451	187 35,068	100 4,313	178 6,764	145 23,861
Yukon..... No. H.P.	.....	.....	.....	.....	.....	.....	.....	1	25
Total for 1933..... No. H.P.	409 109,274	88 1,112	2 12,000	489 122,386	1,546 78,647	2,045 201,033	550 20,426	2,096 99,073	453 80,948

Table 44.—Capital Employed in the Coal Mines of Canada, by Provinces, as at December 31, 1932 and 1933

Province	1932				1933			
	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.....	\$ 49,245,089	\$ 1,944,931	\$ 5,604,082	\$ 56,794,102	\$ 46,218,286	\$ 1,883,877	\$ 4,412,256	\$ 52,514,419
New Brunswick...	1,449,380	18,885	178,190	1,646,455	1,541,080	25,335	214,056	1,781,371
Manitoba.....	589	.....	400	989	2,010	.....	1,183	3,193
Saskatchewan....	4,583,920	88,922	257,489	4,830,331	4,882,884	75,362	252,917	5,211,163
Alberta.....	36,803,903	1,324,810	5,820,217	43,554,930	36,577,858	1,207,324	6,070,698	43,855,880
British Columbia..	21,225,502	649,393	2,474,969	24,349,864	19,348,706	506,109	2,316,949	22,171,764
Yukon.....	203,000	.....	.....	203,000	203,000	.....	.....	203,000
Canada.....	113,511,383	4,026,941	14,341,347	131,879,671	108,773,824	3,698,007	13,268,959	125,740,790

CHAPTER TWO
PRINCE EDWARD ISLAND

Nova Scotia, New Brunswick, Great Britain and the United States supplied Prince Edward Island with its coal requirements in 1933. Coal made available for consumption during the year totalled 69,077 tons made up of 61,064 tons from Nova Scotia, 2,662 tons from New Brunswick, 4,540 tons from Great Britain and 811 tons from the United States. In 1932, Nova Scotia supplied 68,123 tons, New Brunswick 1,019 tons, Great Britain 5,932 tons and the United States 6,007 tons.

Table 45.—Imports into Prince Edward Island of Anthracite and Bituminous Coal, by Ports of Entry, 1932 and 1933

(Short tons)

Port	Source	1932						1933					
		Anthracite				Bitum- inous, all grades	Total coal	Anthracite				Bitum- inous, all grades	Total coal
		Grate, egg, stove, nut and pea	Screen- ings or dust	N.O.P.	Total			Grate, egg, stove, nut and pea	Screen- ings or dust and N.O.P.	Total			
Charlottetown...	U.S....	29	.....	2,005	2,034	3,973	6,007	678	.....	678	133	811	
	G.B....	.....	.....	1,364	1,364	2,067	3,431	.....	.....	.....	.....	.....
Summerside...	U.S....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	G.B....	2,501	.....	.....	2,501	.....	.....	2,501	2,863	.....	2,863	1,677	4,540
Total.....	U.S....	29	.....	2,005	2,034	3,973	6,007	678	.....	678	133	811	
	G.B....	2,501	.....	1,364	3,865	2,067	5,932	2,863	.....	2,863	1,677	4,540	
Grand total...	.....	2,530	.....	3,369	5,899	6,040	11,939	3,541	.....	3,541	1,810	5,351	

Table 46.—Summary Statistics for 1933—Interprovincial Shipments, Imports and Coal made Available for Consumption in Prince Edward Island, by Months and by Kinds

(Short tons)

Month	Canadian coal received from other provinces	Exported	Imported from U.S.A.	Imported from Great Britain	Coal available for consumption
January—					
Anthracite.....	3,675		29		3,704
Bituminous.....					
Total.....	3,675		29		3,704
February—					
Anthracite.....					
Bituminous.....	3,794				3,794
Total.....	3,794				3,794
March—					
Anthracite.....					
Bituminous.....	4,185				4,185
Total.....	4,185				4,185
April—					
Anthracite.....					
Bituminous.....	2,740				2,740
Total.....	2,740				2,740
May—					
Anthracite.....					
Bituminous.....	3,070				3,070
Total.....	3,070				3,070
June—					
Anthracite.....				1,677	4,241
Bituminous.....	2,564				
Total.....	2,564			1,677	4,241
July—					
Anthracite.....					
Bituminous.....	2,869				2,869
Total.....	2,869				2,869
August—					
Anthracite.....					
Bituminous.....	4,734		36		4,770
Total.....	4,734		36		4,770
September—					
Anthracite.....				2,863	3,541
Bituminous.....	9,536				9,536
Total.....	9,536		678	2,863	13,077
October—					
Anthracite.....					
Bituminous.....	10,396				10,396
Total.....	10,396				10,396
November—					
Anthracite.....					
Bituminous.....	10,385		34		10,419
Total.....	10,385		34		10,419
December—					
Anthracite.....					
Bituminous.....	5,778		34		5,812
Total.....	5,778		34		5,812
Total—					
Anthracite.....				678	3,541
Bituminous.....	63,726		133	2,863	65,536
Total.....	63,726		811	4,540	69,077

CHAPTER THREE

NOVA SCOTIA

Coal production in Nova Scotia advanced to 4,557,590 tons in 1933 from the 1932 output of 4,084,581 tons. Cape Breton produced 3,444,118 tons or 21·6 per cent above the preceding year's total. Declines in production were recorded in the other three producing districts; Cumberland's falling-off amounted to 4·7 per cent, Inverness, 15·1 per cent and Pictou, 18·4 per cent.

Shipments during the year rose 12·7 per cent to 4,077,369 tons from the 1932 total of 3,619,206 tons. Quebec was the principal market for Nova Scotia coal; this province received 1,998,092 tons or 49 per cent of the total mine shipments. Coal shipped from the mines for consumption within the province reached a total of 880,670 tons or 21·6 per cent of the tonnage shipped from the mines. New Brunswick received 320,391 tons, Newfoundland 72,344 tons, Prince Edward Island 61,064 tons, the United States 39,099 tons, and other countries 995 tons. Shipments for bunker purposes totalled 162,953 tons. Direct sales to Ontario amounted to 7,485 tons. Additional tonnages of Nova Scotia coal were shipped from stock at Montreal to the following Ontario consuming centres: Ottawa area, 221,920 tons; Kingston area, 45,598 tons; Toronto area, 187,377 tons; Windsor area, 4,790 tons, and the Northern Ontario area, 53,913 tons.

Nova Scotia mines produced approximately 57 per cent of their possible output in 1933 as compared with 50 per cent in the preceding year. Lack of orders accounted for 39·5 per cent of the output loss during 1933. Causes other than strikes were responsible for a production loss of 3,452,913 tons. Strikes accounted for a loss of 16,070 man days work, or an apparent loss in output of 36,334 tons as the average output per man day was 2·261 tons. From all causes, therefore, Nova Scotia mines suffered an output loss of 3,489,247 tons.

The computed Nova Scotia supply in 1933 was 2,174,685 tons or 5·8 per cent above the tonnage available in the preceding year. Nova Scotia mines supplied 94·5 per cent of the province's demand; Great Britain, 5·0 per cent; the United States, 0·4 per cent and New Brunswick, 0·1 per cent.

Nova Scotia mines furnished employment on the average to 11,861 wage-earners who received 2,016,061 man-days work or an average of 170 days per man.

Table 47.—Output of Coal from Nova Scotia Mines, 1785-1933

(Short tons)

Calendar year	Output	Value	Calendar year	Output	Value	Calendar year	Output	Value
	\$				\$			\$
1785-1866.....	2,649,416	4,139,714	1890.....	2,181,033	3,407,864	1913.....	7,980,073	17,812,663
1867.....	598,332	931,769	1891.....	2,267,919	3,543,624	1914.....	7,370,924	16,452,955
1868.....	574,106	897,041	1892.....	2,159,389	3,374,046	1915.....	7,463,370	16,659,308
1869.....	647,727	1,012,074	1893.....	2,444,924	3,820,194	1916.....	6,912,140	18,514,662
1870.....	719,211	1,123,767	1894.....	2,527,982	3,949,970	1917.....	6,327,091	19,410,737
1871.....	754,827	1,179,417	1895.....	2,225,145	3,476,790	1918.....	5,818,502	21,093,470
1872.....	1,003,806	1,568,446	1896.....	2,508,579	3,919,655	*1919.....	5,790,196	22,350,157
1873.....	1,108,245	1,731,632	1897.....	2,493,554	3,896,173	*1920.....	6,437,156	32,314,523
1874.....	972,954	1,520,240	1898.....	2,563,180	4,004,970	*1921.....	5,734,928	27,782,050
1875.....	930,613	1,454,084	1899.....	3,148,822	5,622,898	*1922.....	5,569,072	24,629,921
1876.....	837,755	1,308,991	1900.....	3,623,536	8,088,250	*1923.....	6,597,838	28,170,458
1877.....	880,215	1,375,338	1901.....	4,158,068	6,496,982	*1924.....	5,557,411	22,280,554
1878.....	875,994	1,368,741	1902.....	5,161,316	9,210,630	*1925.....	3,842,678	15,826,680
1879.....	866,220	1,353,409	1903.....	5,653,338	10,095,246	*1926.....	6,747,477	26,845,226
1880.....	1,177,669	1,840,108	1904.....	5,596,241	9,993,288	*1927.....	7,071,876	27,194,671
1881.....	1,280,050	2,000,079	1905.....	5,646,583	10,083,184	*1928.....	6,743,504	27,427,556
1882.....	1,524,947	2,382,730	1906.....	6,220,505	11,108,044	*1929.....	7,056,133	28,071,956
1883.....	1,578,609	2,466,576	1907.....	6,354,133	12,764,999	*1930.....	6,292,552	24,528,860
1884.....	1,543,829	2,412,233	1908.....	6,652,538	13,364,476	*1931.....	4,855,563	19,018,720
1885.....	1,547,990	2,418,735	1909.....	5,652,089	11,354,643	*1932.....	4,081,581	15,167,793
1886.....	1,698,018	2,653,152	1910.....	6,431,142	12,919,705	*1933.....	4,557,590	15,969,703
1887.....	1,858,596	2,904,057	1911.....	7,004,420	14,071,379			
1888.....	1,942,231	3,034,735	1912.....	7,783,888	17,374,750	Total.....	258,817,557	699,515,781
1889.....	1,918,827	2,998,167						

* For the years 1919-1933 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 48.—Output of Coal from Nova Scotia Mines, by Months, 1929-1933

(Short tons)

Month	1929	1930	1931	1932	1933
January.....	554,968	542,253	439,495	370,652	280,346
February.....	571,564	475,975	404,036	356,344	276,424
March.....	538,652	495,508	431,382	374,597	259,137
April.....	555,078	437,584	444,559	291,070	268,447
May.....	622,643	631,517	469,827	339,403	334,007
June.....	613,431	546,960	431,892	362,572	345,761
July.....	620,712	563,177	396,284	309,143	343,029
August.....	650,706	537,856	335,857	312,153	429,711
September.....	506,730	476,172	396,510	307,992	499,850
October.....	637,695	593,851	460,782	346,537	645,743
November.....	585,496	493,157	366,504	379,715	514,464
December.....	508,458	459,542	378,435	333,503	360,071
Total.....	7,056,133	6,252,552	4,955,563	4,084,581	4,557,590

Table 49.—Output of Coal by Districts in Nova Scotia, 1929-1933

(Short tons)

District	1929	1930	1931	1932	1933
Cape Breton.....	5,380,652	4,594,446	3,449,472	2,831,753	3,444,118
Cumberland.....	795,714	802,266	694,097	634,516	604,893
Inverness.....	157,470	155,088	140,505	120,909	102,628
Pictou.....	722,207	700,752	671,489	497,403	405,951
Total.....	7,056,133	6,252,552	4,955,563	4,084,581	4,557,590

**Table 50.—Output of Coal by Principal Collieries in Nova Scotia, 1931-1933
(Average of 500 tons or more per month)**

(Short tons)

Name	Address	1931	1932	1933
CAPE BRETON DISTRICT—				
Bras d'Or Coal Co., Ltd.....	Little Bras d'Or Bridge.....	97,932	60,547	73,152
Dominion Coal Co., Ltd.....	Sydney.....	2,809,039	2,271,006	2,910,107
Indian Cove Coal Co., Ltd.....	Sydney Mines.....	32,939	29,598	34,092
Nova Scotia Steel and Coal Co., Ltd.....	Sydney.....	494,945	441,023	416,339
North Sydney Collieries Ltd.....	North Sydney.....	11,175	18,917	10,401
Sydney Mines Coal Co.....	Sydney Mines.....	2,340	1,289	
All other operators.....		1,102	373	27
Total.....		3,449,472	2,831,753	3,444,118
CUMBERLAND DISTRICT—				
Cumberland Railway and Coal Co., Ltd.....	Springhill.....	543,788	452,729	442,364
Fundy Coal Co., Ltd.....	Amherst.....	63,868	18,142	14,398
Maritime Coal, Railway & Power Co., Ltd.....	Amherst.....	63,868	66,068	64,585
Standard Coal Co., Ltd.....	River Hebert.....	85,372	12,021	15,875
Victoria Coal Co., Ltd.....	New Glasgow.....	1,069	81,231	63,549
All other operators.....			4,325	4,122
Total.....		694,097	634,516	604,893
INVERNESS DISTRICT—				
Inverness Imperial Coal Co., Ltd. (formerly Inverness Co-Operative Co., Ltd.).....	Inverness.....	138,860	119,974	101,769
All other operators.....		1,645	935	859
Total.....		140,505	120,909	102,628
PICTOU DISTRICT—				
Acadie Coal Co., Ltd.....	Stellarton.....	500,621	351,824	233,444
Greenwood Coal Co., Ltd.....	New Glasgow.....	23,961	35,776	53,835
Intercolonial Coal Co., Ltd.....	Westville.....	146,907	108,803	118,672
Total.....		671,489	497,403	405,951
Total Nova Scotia.....		4,955,563	4,084,581	4,557,590

Table 51.—Tonnage Lost in Nova Scotia Coal Mines Showing, by Districts, the Relative Percentages Produced and Lost, with an Analysis of the Percentage Lost, 1932 and 1933

District	Per cent produced	Per cent lost	Percentage lost through				
			Absenteeism	Lack of orders	Car shortage	Mine disability	Other causes
Cape Breton.....	1932	46	54	0.5	53.0	.....	0.3
	1933	57	43	0.5	40.8	.....	0.3
Cumberland.....	1932	59	41	2.1	33.4	.....	0.6
	1933	60	40	1.9	31.3	.....	1.4
Inverness.....	1932	62	38	.....	38.0	.....	0.2
	1933	76	24	.....	22.1	.....	1.7
Pictou.....	1932	63	37	2.0	33.6	.....	1.4
	1933	51	49	1.3	42.4	.....	0.1
Nova Scotia	1932	50	50	0.8	48.1	.....	0.4
	1933	57	43	0.7	39.5	0.0	0.4

Table 52.—Disposition of Coal from Nova Scotia Mines, 1932 and 1933

	1932		1933	
	Total		Total	
	Short tons	Value	Short tons	Value
Supplied to employees for domestic consumption.....		\$		\$
Cook shipped as per Table 54.....	95,729	303,596	88,608	269,721
Used under colliery boilers.....	3,619,206	13,714,852	4,077,369	14,477,991
Used by companies' railroads.....	238,123	787,789	230,911	786,231
Used in shops, etc.....	33,391	140,403	35,437	145,894
Used by harbour tugs and dredges.....	73,406	260,050	87,633	312,378
Put on bank.....	515,506	1,834,508	402,674	1,416,868
Put on waste heap.....	49,434	.....	41,438	.....
Total disposition	4,624,855	17,041,198	4,564,078	17,409,683
Lifted from bank.....	537,051	1,873,405	406,480	1,439,290
Lifted from waste heap.....	3,223	.....	.....	.....
Total output	4,084,581	15,167,793	4,557,590	16,969,793

Table 53.—Tonnages Put on Bank and Lifted from Bank in Nova Scotia, 1929-1933

(Short tons)

Month	1929		1930		1931		1932		1933	
	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.....	135,581	.....	159,897	.....	172,771	.....	147,200	.....	125,655	.....
January.....	111,668	4,037	144,400	7,700	107,583	9,874	117,340	5,233	100,993	8,034
February.....	198,507	3,013	134,530	9,310	92,927	5,677	103,147	5,536	101,303	6,226
March.....	188,875	2,957	174,050	7,398	153,491	2,867	112,149	3,787	63,872	7,580
April.....	187,488	2,599	69,586	6,166	117,853	5,145	68,237	6,980	31,172	4,700
May.....	8,141	101,314	11,538	50,985	695	71,757	3,701	94,912	13,347	10,019
June.....	10,616	173,870	13,630	103,083	2,313	94,082	5,400	56,250	6,009	68,652
July.....	10,188	158,076	8,474	75,642	7,794	116,586	13,715	83,897	10,951	69,309
August.....	4,424	100,467	4,361	137,599	3,090	109,267	3,614	77,703	7,250	61,247
September.....	10,737	122,609	4,901	120,022	7,961	83,982	3,725	90,958	10,119	58,399
October.....	9,435	120,688	5,088	101,525	7,111	88,785	4,088	78,446	12,779	51,127
November.....	19,849	18,996	5,016	44,082	4,399	41,001	9,375	23,136	8,974	50,891
December.....	95,100	12,904	109,650	8,856	104,627	6,391	71,015	10,213	35,890	10,296
Total	855,026	830,710	685,212	672,368	609,543	635,414	515,506	537,051	432,674	406,483

Table 54.—Shipments of Coal from Nova Scotia Mines, by Grades and by Destinations 1932 and 1933
(Short tons)

Destination	1932				1933			
	Run-of-mine	Screened	Slack	Total	Run-of-mine	Screened	Slack	Total
Coal supplied for bunkers.....	112,438	5,031	343	117,812	162,043	910	.....	162,953
Coal supplied to railroads.....	270,715	229,307	32,063	532,085	244,391	261,936	27,049	534,276
Nova Scotia by land.....	119,600	282,600	248,245	650,415	100,929	250,216	415,112	766,357
Nova Scotia by sea.....	12,817	74,000	50,786	137,603	9,049	44,010	61,354	114,413
New Brunswick.....	82,148	91,967	193,613	367,728	68,467	91,135	160,789	320,391
Newfoundland.....	2,889	107,071	1,220	111,180	9,940	61,045	1,359	72,314
Prince Edward Island.....	6,222	57,578	4,323	68,123	4,313	48,330	8,421	61,064
Quebec.....	68,582	735,377	782,416	1,586,375	57,905	1,070,181	870,006	1,918,092
Ontario.....	2,410	.....	195	2,605	.....	5,746	1,739	7,485
United States.....	.....	827	43,041	43,868	.....	501	38,598	39,099
Other Countries.....	899	483	.....	1,382	.....	995	.....	995
Total.....	678,720	1,584,241	1,356,245	3,619,206	657,037	1,833,005	1,585,327	4,077,369

Table 55.—Exports of Canadian Coal through Nova Scotia Ports, 1929-1933
(Short tons)

Port	1929	1930	1931	1932	1933
Halifax.....	160	1	50	.....	.....
Liverpool.....	.....	9	.....	.....	.....
Yarmouth.....	5	.....	.....	.....	.....
North Sydney.....	122,435	104,473	73,644	57,898	41,158
Pictou.....	2,122	4,188	.....	.....	.....
Sydney.....	226,454	241,483	78,218	50,130	74,940
Total.....	351,176	350,154	151,912	108,028	116,098

Table 56.—Imports into Nova Scotia of Anthracite and Bituminous Coal, by Ports of Entry, 1932 and 1933

(Short tons)

Port	Source	1932					1933				
		Anthracite				Total coal	Anthracite				Bituminous, all grades
		Grate, egg, stove, nut and pea	Screenings or dust	N.O.P.	Total		Grate, egg, stove, nut and pea	Screenings or dust and N.O.P.	Total		
Amherst.....	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Annapolis.....	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Antigonish.....	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Arichat.....	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Baddeck.....	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Barrington Passage.....	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Bridgewater.....	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Canso.....	U.S.	665	.....	665	665	.....	.....	.....	.....	.....	.....
Digby.....	U.S.	202	.....	202	202	.....	.....	.....	.....	.....	.....
G.B.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Glace Bay.....	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Halifax.....	U.S.	2,040	.....	2,040	1	2,011	1,752	1,752	448	2,200	.....
	G.B.	36,155	.....	36,155	36,681	72,836	41,857	41,857	50,484	92,341	.....
	Belgium	650	.....	650	.....	650	.....	.....	.....	.....	.....
Kentville.....	G.B.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Liverpool.....	U.S.	1,134	.....	1,134	11,422	11,422	1,854	1,854	7,002	9,516	334
	G.B.	.....	.....	.....	1,134	1,134	334	334	.....	.....	998
Lunenburg.....	U.S.	2,252	.....	2,252	2,252	1,227	1,227	1,227	.....	1,227	.....
	G.B.	1,692	.....	1,692	1,692	1,789	1,789	1,789	.....	1,789	1,789
Middleton.....	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
New Glasgow.....	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
North Sydney.....	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Parrshore'.....	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pictou.....	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Port Hawkesbury.....	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Port Hood.....	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Shelburne.....	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	G.B.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Truro.....	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Weymouth.....	U.S.	.....	.....	.....	.....	168	168	168	168	168	168
Windsor.....	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Yarmouth.....	U.S.	3,884	.....	3,884	58	3,942	4,369	4,369	4,285	4,369	5,125
	G.B.	5,447	.....	5,447	1,171	6,618	4,285	4,285	840	4,285	5,125
Total.....	U.S.	10,177	.....	10,177	59	10,236	7,850	7,850	448	8,298	.....
	G.B.	43,294	.....	43,294	49,274	92,568	19,785	19,785	49,785	59,984	109,769
	Belgium	650	.....	650	650	650	650	650	650	650	650
Grand Total.....		54,121	.....	54,121	49,333	103,454	57,635	57,635	60,332	118,067	.....

Table 57.—Summary Statistics for 1933—Output, Exports, Interprovincial Shipments Imports and Coal made Available for Consumption in Nova Scotia, 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	Shipped to other provinces	Exported			
January—							
Anthracite.....	280,346		40,324	19,642	369	5,623 11,764	5,992 232,144
Bituminous.....							
Total.....	280,346		40,324	19,642	369	17,387	238,136
February—							
Anthracite.....	276,424		40,122	5,372		3,074 5,978	3,074 236,908
Bituminous.....							
Total.....	276,424		40,122	5,372		9,052	230,982
March—							
Anthracite.....	259,137		44,667	8,329		6,041 4,257	6,041 210,398
Bituminous.....							
Total.....	259,137		44,667	8,329		10,298	216,439
April—							
Anthracite.....	268,447		102,498	1,002		1,788 5,692	1,788 170,639
Bituminous.....							
Total.....	268,447		102,498	1,002		7,480	172,427
May—							
Anthracite.....	334,007	29	203,491	7,553	920		920
Bituminous.....						1,904	124,896
Total.....	334,007	29	203,491	7,553	920	1,904	125,816
June—							
Anthracite.....	345,761	1,315	228,346	3,259	2,572	3,091	5,663
Bituminous.....							
Total.....	345,761	1,315	228,346	3,259	2,572	3,091	115,471
Total.....							121,134
July—							
Anthracite.....	343,029		256,552	8,199		2,233 5,852	2,233 84,130
Bituminous.....							
Total.....	343,029		256,552	8,199		8,085	86,363
August—							
Anthracite.....	429,711	212	315,362	12,895	832	5,150 115	5,982 101,781
Bituminous.....							
Total.....	429,711	212	315,362	12,895	832	5,265	107,763
September—							
Anthracite.....	499,850	253	336,024	7,304		1,854 6,522	1,854 163,297
Bituminous.....							
Total.....	499,850	253	336,024	7,304		8,370	165,151
October—							
Anthracite.....	645,743	118	460,306	7,729	1,561 448	5,687 3,627	7,248 181,901
Bituminous.....							
Total.....	645,743	118	460,306	7,729	2,009	9,314	189,149
November—							
Anthracite.....	514,464	155	295,455	13,441	980	5,466 6,182	6,446 211,905
Bituminous.....							
Total.....	514,464	155	295,455	13,441	980	11,648	218,351
December—							
Anthracite.....	360,671	76	63,885	21,373	616	9,778 8,091	10,394 283,580
Bituminous.....							
Total.....	360,671	76	63,885	21,373	616	17,869	293,974
Total—							
Anthracite.....	4,557,590	2,158	2,387,032	116,098	7,850 448	49,785 59,384	57,635 2,117,059
Bituminous.....							
Total.....	4,557,590	2,158	2,387,032	116,098	8,398	109,763	2,174,685

Table 58.—Employees, Salaries and Wages in the Coal Mines of Nova Scotia,
by Districts, 1932 and 1933

District	Average number of employees					Salaries and wages		
	Salaried employees		Wage-earners		Total	Salaries		Wages
	Male	Female	Surface	Under-ground		\$	\$	
1932								
Cape Breton.....	282	30	1,144	7,288	8,744	538,681	6,686,723	7,225,404
Cumberland.....	53	7	380	1,410	1,850	114,183	1,404,950	1,519,139
Inverness.....	11	3	135	404	553	21,000	401,000	422,000
Pictou.....	59	5	420	1,442	1,926	123,300	1,485,528	1,608,828
Nova Scotia.....	405	45	2,079	10,544	13,073	797,164	9,978,207	10,775,371
1933								
Cape Breton.....	232	36	1,061	6,759	8,088	463,437	6,014,022	6,477,459
Cumberland.....	52	7	355	1,388	1,802	105,710	1,224,560	1,330,270
Inverness.....	9	3	115	280	107	14,467	315,928	330,395
Pictou.....	56	6	420	1,483	1,965	133,083	1,113,208	1,246,291
Nova Scotia.....	349	52	1,951	9,910	12,262	716,697	8,667,718	9,384,415

Table 59.—Employment and Earnings in the Coal Mines of Nova Scotia, 1929-1933

—	1929	1930	1931	1932	1933
Average number of wage-earners—					
Surface.....	2,235	2,291	2,278	2,079	1,951
Underground.....	10,525	11,085	11,110	10,544	9,910
Total.....	12,760	13,376	13,388	12,623	11,861
Days' work done—					
Surface.....	642,106	596,242	508,098	403,569	386,132
Underground.....	2,760,856	2,452,050	1,935,083	1,560,215	1,629,929
Total.....	3,402,962	3,048,292	2,443,181	1,963,784	2,016,061
Average number of days worked per man per year—					
Surface.....	287	260	223	194	198
Underground.....	262	221	174	148	164
By all wage-earners.....	266	228	182	153	179
Total wages paid.....	\$ 18,785,513	\$ 17,126,422	\$ 13,414,542	\$ 9,978,207	\$ 8,667,718

Table 60.—Wage-Earners and Work Done, by Months, in the Nova Scotia Coal Mines in 1933

Month	Number of wage-earners			Days' work done		
	Surface	Under-ground	Total	Surface	Under-ground	Total
January.....	1,991	10,228	12,219	28,716	106,194	134,910
February.....	1,990	10,149	12,139	26,701	101,908	128,609
March.....	1,989	10,023	12,012	27,954	101,428	129,382
April.....	1,976	10,088	12,064	25,927	99,810	125,737
May.....	1,773	8,775	10,548	28,075	113,542	141,617
June.....	1,932	9,943	11,875	28,553	120,158	148,711
July.....	1,920	9,777	11,697	28,756	121,813	150,569
August.....	1,934	9,887	11,821	34,382	153,515	187,897
September.....	1,966	10,034	12,000	37,049	172,230	209,279
October.....	2,012	10,058	12,070	45,346	220,406	265,752
November.....	1,995	10,152	12,147	40,387	180,867	221,234
December.....	1,935	9,810	11,745	34,286	138,058	172,344
Total.....				386,137	1,629,929	2,016,061

Table 61.—Number of Man-Days Worked, by Districts, in Nova Scotia, 1932 and 1933

District	1932			1933		
	Surface	Under-ground	Total	Surface	Under-ground	Total
Cape Breton.....	205,643	981,740	1,187,383	205,005	1,124,090	1,329,995
Cumberland.....	76,060	247,872	323,932	71,960	242,801	314,761
Inverness.....	31,713	71,865	103,578	32,435	58,044	90,479
Pictou.....	90,153	258,738	348,891	76,732	204,094	280,826
Total.....	403,569	1,560,215	1,963,784	386,133	1,629,929	2,616,061

Table 62.—Wage-Earners Employed in Nova Scotia Coal Mines, by Classes, 1932 and 1933

Classification	1932			1933		
	Surface	Under-ground	Total	Surface	Under-ground	Total
Administration.....	59	6	65	57	1	58
Foremen and clerks.....	155	546	701	151	513	664
Officials.....	686		686	649		649
Screenmen and londers.....						
Handcutters and helpers.....	1,024		1,024			
Machine cutters and helpers.....	1,158		1,158			
Machine loaders and helpers.....	2,062		2,062			
Chute loaders.....	41		41			
Horse haulage employees.....	5	494	499	8	414	422
Mechanical haulage employees.....	18	1,544	1,562	19	1,437	1,456
Ventilation employees.....		257	257		247	247
Rondimakers.....		292	292		263	263
Tin-bermen.....		1,010	1,010		1,013	1,013
Pumpmen.....	3	109	112	2	101	103
Enginemen.....	168	70	238	162	65	227
Firemen.....	134		134	132		132
Mechanists.....	193		193	182		187
Carpenters and masons.....	113		113	105		105
Other mechanics.....	80	204	290	88	211	299
All other employees.....	459	1,697	2,156	396	1,670	2,066
Total.....	2,679	10,544	12,623	1,951	9,910	11,861

Table 63.—Capital Employed in the Coal Mines of Nova Scotia, 1932 and 1933

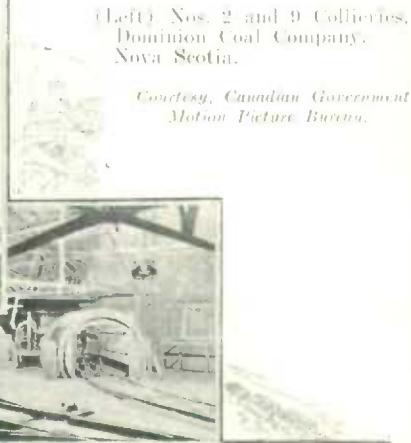
	1932	1933
	\$	\$
Capital employed as represented by—		
Cost of lands, buildings, machinery and tools.....	49,245,089	46,218,286
Cost of supplies and stock on hand.....	1,944,931	1,883,877
Cash, trading and operating accounts and bills receivable.....	5,604,082	4,412,256
Total.....	56,791,102	52,514,419

COAL MINING IN THE MARITIME PROVINCES



(Right) Car dippers in Nova Scotia coal mine tipple.

Courtesy, Canadian Government Motion Picture Bureau.



(Right) Koppers coke ovens of the Sydney steel plant, Nova Scotia.

Courtesy, Dominion Steel and Coal Corp.



(Lower left) Coal tipple at the Minto Coal Mine, Minto, New Brunswick.
Courtesy, Minto Coal Company.

(Lower right) King's coal mine, Minto, New Brunswick.
Courtesy, Canadian Government Motion Picture Bureau.

CHAPTER FOUR
NEW BRUNSWICK

New Brunswick coal production advanced to a new high record in 1933 when 312,303 tons were produced. In 1932, the output amounted to 212,695 tons. The annual report of the New Brunswick Inspector of Mines indicates that a prime incentive to increased business has been that of a satisfactory price, yet the fact of repeat orders and a steady business points to a quality which is satisfactory to the buyer. The large operators who produce over ninety per cent of all coal mined in the Minto district carefully screen, eliminate waste and grade their coal so that the purchaser can obtain the coal best suited for his purpose.

Three general methods of mining prevail: (a) Longwall, where the coal is disengaged from the horizontal shale band, with which it is associated, by a machine with a four foot cutter arm travelling along the face of the coal. By this process the coal is undercut or overcut as the case may be by one shift of machine men and helpers, while the next shift of miners and wheelers removes the coal thus partially released and starts it on its way to the surface. This system is in use by the Minto Coal Company and the Avon Coal Company. It is also being installed by one or possibly two other of the Minto operators. (b) Much of the coal is still won by the old room and pillar system, involving usually a vertical shaft, a main level following the nearly horizontal floor of the coal and bye levels thirty feet apart at right angles to the main level. This coal is mined by hand pick, wheeled along bye level and main level to the shaft, then hoisted to the surface. (c) Stripping. This consists in stripping the over-burden of loose material from shallow coal by means of a steam shovel. The bed of coal thus exposed may be taken out either by hand or by steam shovel and loaded on trucks which carry it direct to waiting railway cars. This "stripping coal" as it is commonly called, is usually light in weight and friable but is generally well received and for a cheap fuel found efficient for certain commercial purposes.

Coal mines active in New Brunswick produced 82 per cent of their possible output; in 1932 the active mines were operated at 71 per cent of their capacity. Approximately 14·5 per cent of the output loss in 1933 was due to lack of orders.

Railroads consumed approximately 53·8 per cent of the total mine shipments in 1933 as compared with 65·1 per cent in the preceding year. Sales to industrial users totalled 90,000 tons or 29·5 per cent of the tonnage shipped. Shipments to retail coal dealers included 15,000 tons of run of mine, 19,000 tons of lump, 1,500 tons of nut, and 5,000 tons of slack. Direct sales to domestic consumers amounted to 9,600 tons. Minor tonnages were shipped to Prince Edward Island, Nova Scotia, the United States, Quebec and Ontario.

New Brunswick mines employed, on the average, 1,025 wage-earners, who received \$861,408 as compared with 709 in 1932, whose wages totalled \$507,664. The 1933 employees were given 256,208 man-days' work; in the preceding year wage-earners obtained 155,131 man-days' work.

Table 64.—Output of Coal from New Brunswick Mines, 1887-1933

(Short tons)

Calendar year	Output	Value	Calendar year	Output	Value	Calendar year	Output	Value
	\$				\$			\$
1887.....	10,040	23,607	1903.....	16,000	40,000	*1919.....	160,377	735,386
1888.....	5,730	11,050	1904.....	9,112	18,224	*1920.....	171,610	1,091,440
1889.....	5,673	11,733	1905.....	29,400	58,800	*1921.....	187,192	920,666
1890.....	7,110	13,850	1906.....	34,076	68,152	*1922.....	287,513	1,107,043
1891.....	5,422	11,030	1907.....	34,584	77,814	*1923.....	276,617	1,196,772
1892.....	6,768	9,375	1908.....	60,000	125,000	*1924.....	217,121	932,185
1893.....	6,200	9,837	1909.....	49,029	98,496	*1925.....	208,012	815,367
1894.....	6,469	10,264	1910.....	55,455	110,910	*1926.....	173,111	710,245
1895.....	9,500	14,250	1911.....	55,781	111,562	*1927.....	203,950	885,038
1896.....	7,500	11,250	1912.....	44,780	89,580	*1928.....	207,738	869,104
1897.....	6,000	9,000	1913.....	70,311	166,637	*1929.....	218,706	909,169
1898.....	6,160	9,240	1914.....	98,049	241,075	*1930.....	209,349	864,118
1899.....	10,528	15,792	1915.....	127,391	309,612	*1931.....	182,181	743,196
1900.....	10,000	15,000	1916.....	143,540	386,016	*1932.....	212,695	794,168
1901.....	17,630	51,857	1917.....	189,095	708,010	*1933.....	312,303	1,041,744
1902.....	18,795	39,680	1918.....	268,212	1,331,710	Total.....	4,658,515	17,831,634

* For the years 1919-1933 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 65.—Output of Coal from New Brunswick Mines, by Months, 1929-1933
(Short tons)

Month	1929	1930	1931	1932	1933
January.....	22,139	24,964	21,122	20,281	25,510
February.....	23,096	20,083	21,223	19,520	26,151
March.....	20,891	18,626	16,030	20,370	33,270
April.....	19,682	18,254	14,177	10,015	25,001
May.....	16,606	13,935	11,643	16,863	24,037
June.....	14,327	15,470	10,920	14,770	27,310
July.....	14,717	14,923	13,426	14,720	23,501
August.....	16,979	15,747	12,245	15,395	21,412
September.....	16,815	14,265	12,399	17,392	24,288
October.....	16,883	17,152	14,629	13,856	24,458
November.....	17,417	15,921	14,339	22,018	20,117
December.....	19,154	20,010	20,028	27,486	28,248
Total.....	218,706	209,349	182,181	212,695	312,303

Table 66.—Tonnage Lost in New Brunswick Coal Mines, Showing the Relative Percentage Produced and Lost, with an Analysis of the Percentage Lost, 1932 and 1933

Year	Per cent produced	Per cent lost	Percentage lost through				
			Absenteeism	Lack of orders	Car shortage	Mine disability	Other causes
1932.....	71	29	2.5	25.5	0.0	0.4	0.6
1933.....	82	18	3.2	14.5	0.0	0.2	0.1

Table 67.—Disposition of Coal from New Brunswick Mines, by Grades, 1932 and 1933

—	1932				1933					
	Run-of-mine	Screened	Slack	Total		Run-of-mine	Screened	Slack	Total	
				Quantity	Value				Quantity	Value
Supplied to employees for domestic consumption.....	2,482	33	16	2,531	9,840	3,069	20	3	3,092	9,499
Shipped as per Table 68.....	69,157	104,274	32,422	205,853	770,887	94,619	139,878	70,846	365,343	1,023,335
Used under colliery boilers, etc.....	1,463	1	834	2,298	8,011	1,531	1	545	2,077	6,641
Used by companies' railroads.....	825			825	3,464	750			750	2,663
Put on bank.....	3,577	1,392	6,254	11,223	36,182	911	1,680	7,499	10,890	28,083
Put on waste heap.....				71					1,098	
Total disposition.....	77,564	105,700	39,326	222,801	828,384	100,880	141,679	78,893	322,150	1,069,821
Lifted from bank.....	3,760	1,707	4,639	10,106	34,216	558	1,725	7,564	10,147	28,977
Total output.....	73,744	103,993	34,887	212,695	794,168	100,022	139,854	71,329	312,303	1,041,744

Table 68.—Shipments of Coal from New Brunswick Mines, by Grades and Destination, 1932 and 1933

(Short tons)

Destination	1932				1933			
	Run-of-mine	Screened	Slack	Total	Run-of-mine	Screened	Slack	Total
New Brunswick.....	29,872	12,218	27,113	69,203	58,230	19,022	56,860	134,112
Nova Scotia.....					64	668	1,426	2,158
Prince Edward Island.....		1,019		1,019	7	2,543	112	2,662
Quebec.....	234	814		1,048	223	203	435	861
Ontario.....						30		30
United States.....	439	50	49	538	591	657	45	1,293
Railroads.....	38,612	90,173	5,260	134,045	35,504	116,755	11,908	164,227
Total.....	69,157	104,274	32,422	205,853	94,619	139,878	70,846	305,343

Table 69.—Output of Coal by Principal Collieries in New Brunswick, 1931-1933
(Average output of 500 tons or more per month)

(Short tons)

Name	Address	1931	1932	1933
Avon Coal Co., Ltd.	St. John	27,443	35,167	52,874
Evans, W. B.	Minto	18,427	21,759	29,987
King, Gerald H.	Clipman	1,624	2,378	10,241
Minto Coal Co., Ltd.	Minto	62,315	70,511	93,246
Miramichi Lumber Co., Ltd.	Minto	24,203	34,809	51,371
Welton, Harvey	Minto	14,254	12,956	18,235
Welton & Henderson Ltd.	Minto	27,315	26,128	39,613
All other operators		6,510	8,986	16,736
Total		182,181	212,695	312,383

Table 70.—Exports of Canadian Coal through New Brunswick Ports, 1929-1933

(Short tons)

Port	1929	1930	1931	1932	1933
McAdam Junction					
St. Andrews					
St. John	14,789	5,149	4,705	1,061	962
St. Stephen	5,820	19,575	50,281	50,254	54,734
Woodstock					
Total	20,609	24,724	54,986	51,315	55,716

Table 71.—Imports into New Brunswick of Anthracite and Bituminous Coal, by Sources and by Ports of Entry, 1932 and 1933

(Short tons)

Port	Source	1932						1933					
		Anthracite			Total	Bitum- inous, all grades	Total	Anthracite			Total	Bitum- inous, all grades	Total
		Grate, egg, stove, nut, and pea	Screen- ings or dust	N.O.P.				Grate, egg, stove, nut, and pea	N.O.P.	Total			
Bathurst	U.S.				33	33						34	34
Campbellton	U.S.	42			42	34	76					41	41
	G.B.	555			555	981	1,536					28	28
Chatham	U.S.												
Fredericton	U.S.				35	35						71	71
McAdam Junct.	U.S.					12	12						
Sackville	U.S.	54			54	54							
	G.B.	92			92	92							
St. Andrews	U.S.	85			85	85							
St. John	U.S.	28,989		252	29,241	10,809	40,050	18,673	231	18,904	8,817	27,721	34
	G.B.	72,660			72,660	10,555	83,215	73,035		73,035	7,920	80,935	
St. Stephen	U.S.	138			105	243	227	470	7	30	34	144	144
	G.B.	4,980	60		288	5,328	1,787	7,113	3,296	247	3,543	2,842	6,385
Woodstock	U.S.	1			1	199	200	200	1		1	180	187
	G.B.					2,469	2,469						
Total	U.S.	29,308			357	29,666	11,349	41,015	18,635	267	18,952	9,249	28,201
	G.B.	78,287			60	226	78,633	15,792	94,425	247	76,578	10,790	87,368
Grand total		107,596			643	108,299	27,141	135,410	95,016	514	95,530	20,183	115,713

Table 72.—Summary Statistics for 1933—Output, Exports, Interprovincial Shipments, Imports and Coal made Available for Consumption in New Brunswick, by Months and by Kinds

(Short tons)

Month	Canadian coal				Imported from U.S.A.	Imported from Great Britain	Imported from Germany	Coal available for consumption
	Output	Received from other provinces	Shipped to other provinces	Exported				
January—								
Anthracite					2,768	10,269		13,037
Bituminous	25,510	24,930	239	4,200		458		46,459
Total	25,510	24,930	239	4,200	2,768	10,727		59,496
February—								
Anthracite					974	22,718		23,692
Bituminous	26,151	24,015	344	4,668	2,076	3,883		51,113
Total	26,151	24,015	344	4,668	3,050	26,601		74,805
March—								
Anthracite					3	9,929		9,932
Bituminous	33,270	27,196	185	5,327	100	2,448		57,502
Total	33,270	27,196	185	5,327	103	12,377		67,434
April—								
Anthracite					31	3,535		3,566
Bituminous	25,001	19,064	76	3,367	32	732	144	41,530
Total	25,001	19,064	76	3,367	63	4,267	144	45,096
May—								
Anthracite					990	2,259		3,249
Bituminous	24,037	22,078	189	3,654	2,846	141		46,259
Total	24,037	22,078	189	3,654	3,836	2,400		48,508
June—								
Anthracite					2,844	4,103		6,947
Bituminous	27,310	25,106	1,349	4,956	2,182			48,293
Total	27,310	25,106	1,349	4,956	5,026	4,103		55,240
July—								
Anthracite					14			14
Bituminous	23,501	23,648	64	6,836	43	28		40,320
Total	23,501	23,648	64	6,836	57	28		40,334
August—								
Anthracite					3,116	1,936		5,052
Bituminous	21,412	21,014	343	4,880	104			37,307
Total	21,412	21,014	343	4,880	3,220	1,936		42,359
September—								
Anthracite					1,823	1,703		3,526
Bituminous	24,288	27,153	756	4,410	44	1,750		48,069
Total	24,288	27,153	756	4,410	1,867	3,453		51,595
October—								
Anthracite					1,179	3,956		5,135
Bituminous	24,458	31,432	628	4,650	1,661	732		53,005
Total	24,458	31,432	628	4,650	2,840	4,688		58,140
November—								
Anthracite					1,053	2,980		4,933
Bituminous	29,117	32,311	906	4,183	54			56,393
Total	29,117	32,311	906	4,183	2,007	2,980		61,326
December—								
Anthracite					3,257	13,190		16,447
Bituminous	28,248	42,444	632	4,585	107	618		60,200
Total	28,248	42,444	632	4,585	3,364	13,808		82,647
Total—								
Anthracite					18,952	76,578		95,530
Bituminous	312,303	320,391	5,711	55,716	9,249	10,790	144	591,450
Total	312,303	320,391	5,711	55,716	28,201	87,368	144	686,980

Table 73.—Employees, Salaries and Wages in the Coal Mines of New Brunswick, 1932 and 1933

		1932	1933
Number of salaried employees—			
Male.....		20	22
Female.....		7	7
Number of wage-earners—			
Surface.....		140	209
Underground.....		569	816
Total.....		736	1,054
Salaries and wages—			
Salaries.....		\$ 53,094	\$ 55,146
Wages.....		\$ 507,604	\$ 861,408
Total.....		\$ 560,708	\$ 916,554

Table 74.—Employment and Earnings in the Coal Mines of New Brunswick, 1929-1933

	1929	1930	1931	1932	1933
Average number of employees—					
Surface.....	126	125	148	140	209
Underground.....	452	459	460	569	816
Total.....	578	584	608	709	1,023
Days' work done—					
Surface.....	31,359	29,735	28,996	30,049	46,079
Underground.....	110,252	104,985	90,384	125,082	210,129
Total.....	141,611	134,720	119,380	155,131	256,208
Average number of days worked per man per year—					
Surface.....	248	238	196	215	220
Underground.....	243	229	196	220	258
By all wage-earners.....	245	230	196	219	250
Total wages paid.....	\$ 542,469	\$ 514,119	\$ 451,686	\$ 507,604	\$ 861,408

Table 75.—Wage-Earners and Work Done, by Months, in the Coal Mines of New Brunswick, 1933

Month	Number of wage-earners			Days' work done		
	Surface	Under-ground	Total	Surface	Under-ground	Total
January.....	187	800	996	2,946	17,067	20,013
February.....	165	834	999	2,867	16,225	19,092
March.....	174	862	1,036	3,922	21,230	25,152
April.....	169	810	979	3,034	16,794	19,828
May.....	198	791	989	3,603	16,500	20,103
June.....	241	837	1,078	4,713	19,266	23,979
July.....	212	830	1,042	4,029	16,836	20,865
August.....	218	793	1,011	3,794	14,527	18,321
September.....	232	772	1,004	3,582	15,620	19,202
October.....	242	788	1,030	4,163	16,265	20,428
November.....	248	838	1,086	5,094	20,920	26,014
December.....	219	831	1,050	4,332	18,879	23,211
Total.....				46,679	210,129	256,208

Table 76.—Wage-Earners Employed in the Coal Mines of New Brunswick, by Classes, 1932 and 1933

Classification	1932			1933		
	Surface	Under-ground	Total	Surface	Under-ground	Total
Administration.....	14		14	16		16
Foremen and clerks.....	11	12	23	18	13	31
Officials.....						
Screenmen and loaders.....	34		34	56		56
Hand cutters and helpers.....		437	437		619	619
Machine cutters and helpers.....		36	36		68	68
Machine loaders and helpers.....		15	15		11	11
Horse haulage employees.....	1	1	2	1	1	2
Mechanical haulage employees.....		5	5		2	2
Ventilation employees.....		2	2		3	3
Roadmakers.....		10	10		7	7
Timbermen.....	4	19	23	2	23	25
Pumpmen.....	2	2	4	2	2	4
Engineers.....	12	3	15	13		13
Firemen.....				1		1
Machinists.....	1		1	1		1
Carpenters and masons.....	4		4	6		6
Other mechanics.....	4		4	1		1
All other employees.....	53	27	80	92	67	159
Total.....	140	569	709	209	816	1,025

Table 77.—Capital Employed in the Coal Mines of New Brunswick, 1932 and 1933

	1932	1933
	\$	\$
Capital employed as represented by—		
Cost of lands, buildings, machinery and tools.....	1,449,380	1,541,080
Cost of supplies and stock on hand.....	18,885	25,335
Cash, trading and operating accounts and bills receivable.....	178,190	214,956
Total.....	1,646,455	1,781,371

CHAPTER FIVE

QUEBEC

Nova Scotia, Great Britain and the United States were the principal sources of Quebec's fuel supply in 1933, in addition, minor tonnages were received from New Brunswick and Alberta. Coal made available for consumption in Quebec totalled 4,408,625 tons in 1933, of which Nova Scotia supplied 45·3 per cent, Great Britain, 38·4 per cent, and the United States, 16·3 per cent.

As pointed out in the 1932 report, the source of Quebec's supply of imported coal has changed; in 1931 Great Britain accounted for 21·2 per cent of the coal available for use in the province and the United States, 34·5 per cent; in 1932 Great Britain supplied 37·8 per cent and the United States, 21·7 per cent, and in 1933, Great Britain's contribution was 38·5 per cent and the United States, 16·3 per cent. Receipts from Great Britain rose to 1,692,135 tons, made up of 1,447,859 tons of anthracite coal and 244,276 tons of bituminous coal. Imports from the United States consisted of 283,799 tons of anthracite coal and 433,706 tons of bituminous coal. Water and rail trans-shipments of Great Britain anthracite coal from Montreal to Ontario points totalled 467,833 tons in 1933 as against 417,416 tons in the preceding year.

Table 78.—Exports of Canadian Coal through Quebec Ports, 1929-1933

(Short tons)

Port	1929	1930	1931	1932	1933
Athelstan.....			47		
Coaticook.....					
Lake Megantic.....				4	
Montreal.....	30				
Rock Island			10	12	
St. John's.....	100	200		50	
Sutton.....					
Three Rivers.....					
Total.....	130	200	57	66	

Table 79.—Imports into Quebec of Anthracite and Bituminous Coal, by Ports of Entry,
1932 and 1933

(Short tons)

Port	Source	1932					1933					
		Anthracite					Anthracite					
		Grate, egg, stove, nut and pea	Screen- ings or dust and N.O.P.	Total	Bitum- inous, all grades	Total	Grate, egg, stove, nut and pea	Screen- ings or dust	N.O.P.	Total	Bitum- inous, all grades	
Athelstan	U.S.	83,319	6,327	89,646	23,381	113,027	53,504	.....	4,586	58,090	14,196	72,286
Chicoutimi	U.S.				6,500	6,500					9,771	9,771
	G.B.	7,751		7,751		7,751	4,300			4,300	3,475	7,775
Coaticook	U.S.	51		51	71	122	195			195	36	231
	G.B.											
Drummond- ville	U.S.	170	85	255	358	613	167	.....	65	232	479	711
Gaspé	U.S.										618	618
Grainy	U.S.	106	258	364	75	439	102			102	188	290
Hull	U.S.	3,729	443	4,172	4,160	8,332	2,886		647	3,533	2,077	5,610
Lake Meg- antic	U.S.	95		95		95	82			82	31	113
Montreal	U.S.	5,008	270	5,338	351,403	356,741	5,826	.....	8,014	13,840	349,836	363,676
	G.B.	1,046,927	58,335	1,105,262	214,633	1,319,895	1,188,416	2,168	113,476	1,304,060	193,933	1,497,993
Paspébiac	U.S.	52,189		52,189		52,189						
Quebec	U.S.	701		701		701						
	G.B.	34,134		34,134	13,732	47,866	31,431	52		31,483	3,885	35,368
	G.B.	108,087	5,041	113,128	24,105	137,233	118,703			118,703	3,190	121,893
Rimouski	U.S.					2	2					
	G.B.											
Rock Isl.	U.S.	1,804	314	2,118	653	2,671	1,000	.....	183	1,183	256	1,439
St. Armand	U.S.	384	541	925	602	1,527	72	.....	361	423	206	629
St. Hyacinthe	U.S.			134	134	460	603	245	342	587	311	898
St. John's	U.S.	205,622	38,255	243,877	60,837	304,714	128,130	5,676	23,246	157,052	34,839	191,891
Shawinigan	U.S.					207	207				31	31
Falls	U.S.											
Sherbrooke	U.S.	4,059	12,572	16,631	3,279	19,910	2,716	33	5,694	8,443	2,112	10,555
	G.B.											
Sorel	U.S.	1,846	142	1,988	3,504	5,492	489			489	7,017	7,506
	G.B.				26,375	26,375					30,850	30,850
Sutton	U.S.	2		2	88	90	57			57	48	105
	G.B.											
Three Rivers	U.S.	4,811		4,811	357	5,168	5,052	.....		5,052	7,148	12,200
	G.B.	14,563	1,000	15,563	25,667	41,230	14,030	.....	3,132	17,162	12,828	29,990
Valleyfield	U.S.	2,753	10	2,763	1,205	3,968	2,956	.....		2,956	621	3,577
Total	U.S.	348,654	59,351	408,005	470,781	878,786	234,910	5,761	431,128	283,299	433,706	717,505
	G.B.	1,177,328	61,376	1,241,704	290,780	1,532,484	1,329,083	2,168	116,608	1,447,859	241,276	1,692,135
	Germany	52,189		52,189		52,189						
	Nfld.					2	2					
Grand total		1,578,171	123,727	1,701,898	761,563	2,463,461	1,563,993	7,929	159,736	1,731,658	677,982	2,409,610

Table 80.—Summary Statistics for 1933—Exports, Interprovincial Shipments, Imports and Coal made Available for Consumption in Quebec, by Months and by Kinds

(Short tons)

Month	Canadian coal		Imported from U.S.A.	Imported from Great Britain	Coal available for consumption
	Received from other provinces	Exported			
January—					
Anthracite.....			21,545	1,778	23,323
Bituminous.....	11,958		5,459	.....	17,417
Total.....	11,958		27,004	1,778	40,740
February—					
Anthracite.....			18,934	20,565	39,499
Bituminous.....	12,657		5,762	.....	18,419
Sub-bituminous.....	32			.....	32
Total.....	12,689		24,696	20,565	57,950
March—					
Anthracite.....			15,569	12,488	28,057
Bituminous.....	13,471		11,004	.....	24,475
Total.....	13,471		26,573	12,488	52,532
April—					
Anthracite.....			12,060	81,114	93,174
Bituminous.....	80,770		8,005	5,785	94,560
Total.....	80,770		20,065	86,899	187,734
May—					
Anthracite.....			14,880	218,620	233,500
Bituminous.....	178,503		36,674	28,530	241,707
Total.....	178,503		51,554	245,150	475,207
June—					
Anthracite.....			21,208	188,937	210,145
Bituminous.....	200,710		82,075	22,587	305,372
Total.....	200,710		103,283	211,524	515,517
July—					
Anthracite.....			28,346	174,086	202,432
Bituminous.....	227,320		95,350	15,358	338,028
Total.....	227,320		123,696	189,444	540,460
August—					
Anthracite.....			28,786	161,441	190,227
Bituminous.....	287,063		61,424	30,035	378,522
Total.....	287,063		90,210	191,476	568,749
September—					
Anthracite.....			47,486	154,343	201,829
Bituminous.....	299,838		40,878	21,164	367,880
Total.....	299,838		94,364	175,507	569,709
October—					
Anthracite.....			25,804	193,013	218,817
Bituminous.....	416,934		23,631	48,208	488,773
Total.....	416,934		49,435	241,221	707,590
November—					
Anthracite.....			29,979	216,581	246,560
Bituminous.....	253,510		39,328	65,945	358,783
Total.....	253,510		69,307	282,526	605,343
December—					
Anthracite.....			19,202	24,893	44,095
Bituminous.....	16,219		18,116	8,664	42,999
Total.....	16,219		37,318	33,557	87,094
Total—					
Anthracite.....			283,799	1,447,859	1,731,658
Bituminous.....	1,998,953		433,706	244,276	2,676,335
Sub-bituminous.....	32				32
Total.....	1,998,985		717,565	1,692,125	4,468,625

CHAPTER SIX

ONTARIO

Ontario is dependent upon outside sources for its coal supply. During 1933, the United States shipped 8,171,444 tons into Ontario; these shipments consisted of 1,104,155 tons of anthracite coal and 7,067,289 tons of bituminous coal. Direct importations from Great Britain amounted to 26,099 tons, in addition to which 467,833 tons were trans-shipped from Montreal to Ontario points. Receipts of Nova Scotia coal from the mines were recorded at 7,485 tons, an additional 513,598 tons was shipped from stock at Montreal to Ontario consumers. Shipments of Alberta coal to Ontario reached a total of 38,978 tons in 1933.

Table 81.—Exports of Canadian Coal through Ontario Ports, 1929-1933

(Short tons)

Port	1929	1930	1931	1932	1933
Bridgeburg.....	.....	.....	.....	.....	.....
Fort Frances.....	97	70	68	6	.....
Niagara Falls.....	49	.....	.....	.....	.....
Toronto.....	.....	.....	.....	2	.....
Total.....	146	70	68	8	.....

Table 82.—Imports into Ontario of Anthracite and Bituminous Coal, by Ports of Entry, 1932 and 1933

(Short tons)

Port	Source	1932			1933					Bituminous, all grades	Total		
		Anthra- cite	Bitum- inous, all grades	Total	Anthracite			N.O.P.	Total				
					Grate, egg, stove, nut and pea	Screen- ings or dust	N.O.P.						
CENTRAL ONTARIO—													
Amherstburg.....	U.S.	6,100	48,451	54,551	4,904	.....	57	5,051	61,921	66,972		
Bellevoile.....	U.S.	11,090	36,887	47,977	8,574	.....	184	8,758	17,313	26,071		
Bowmanville.....	U.S.	5,872	5,800	11,672	4,572	.....	106	4,678	2,298	6,976		
Brantford.....	U.S.	26,870	26,116	52,986	25,271	.....	2,425	27,696	24,078	51,774		
Brookville.....	U.S.	18,010	12,269	30,279	7,447	.....	3,491	10,938	10,662	21,609		
Chatham.....	U.S.	2,939	482,278	485,217	3,642	.....	269	3,911	473,761	477,672		
Cobourg.....	U.S.	10,596	220,700	231,296	9,803	.....	135	9,738	140,757	150,495		
Collingwood.....	U.S.	5,845	4,617	10,462	4,480	.....	347	4,827	3,602	8,429		
Cornwall.....	U.S.	10,738	10,408	21,146	6,844	.....	616	7,460	2,496	9,958		
Fort Erie.....	U.S.	61,194	61,623	122,817	42,311	383	2,143	44,837	87,140	131,977			
Fort Frances.....	U.S.	3	48,915	48,918	8	.....	8	30,108	30,116			
Galt.....	U.S.	19,367	33,750	53,123	17,403	122	1,020	18,545	31,272	49,817			
Gananoque.....	U.S.	3,190	2,620	5,819	2,376	.....	119	2,495	1,928	4,123		
Goderich.....	U.S.	15,276	31,310	46,592	14,778	.....	604	15,372	30,416	45,788		
Guelph.....	U.S.	25,232	48,721	73,953	22,050	46	1,849	23,945	39,882	63,837			
Hamilton.....	U.S.	87,363	1,089,760	1,177,123	65,614	115	13,080	78,809	1,346,824	1,425,633			
	G.B.	1,656	.....	1,656	1,453	.....	1,453	.....	.....	1,453	
Ingersoll.....	U.S.	6,546	12,536	19,092	5,044	.....	210	5,254	12,211	17,465		
Kenora.....	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....
Kingston.....	U.S.	29,449	39,956	69,405	23,026	.....	2,782	25,808	43,225	69,023		
Kitchener.....	U.S.	29,648	63,305	89,953	24,250	.....	1,555	25,805	55,241	81,046		
Lindsay.....	U.S.	6,619	10,017	16,636	5,861	.....	122	5,983	4,723	10,706		
London.....	U.S.	50,566	43,699	94,265	50,432	7	2,569	53,008	39,389	92,397			
Midland.....	U.S.	2,304	78,717	81,021	1,647	.....	461	2,108	66,253	68,361		
Morrisburg.....	U.S.	2,631	106	2,737	3,044	.....	51	3,095	109	3,204		
Napanee.....	U.S.	4,778	17,498	22,276	4,691	.....	180	4,871	15,095	19,966		
Niagara Falls.....	U.S.	32,689	380,236	412,925	22,634	.....	3,200	25,834	251,923	277,757		
North Bay.....	U.S.	8,406	25,583	33,959	6,677	.....	362	7,039	20,679	27,718		
Orillia.....	U.S.	9,282	6,908	16,250	5,738	.....	363	6,101	2,745	8,846		
Oshawa.....	U.S.	10,905	27,553	38,438	7,382	.....	675	8,057	31,768	39,825		
Ottawa.....	U.S.	77,938	74,759	152,697	58,406	.....	11,980	70,386	74,350	144,736		
	G.B.	3,001	3,901	.....	.....	.....	.....	.....	1,205	1,205	
Owen Sound.....	U.S.	2,855	14,028	16,883	2,665	.....	46	2,711	12,770	15,481		
Paris.....	U.S.	6,032	12,231	19,163	5,838	.....	210	6,048	11,311	17,359		
Parry Sound.....	U.S.	6,710	354,014	360,724	991	.....	.....	991	360,229	361,229	
Peterborough.....	U.S.	22,182	29,813	51,995	17,869	.....	566	18,435	19,563	37,998		
Picton.....	U.S.	6,066	3,886	9,952	5,522	.....	34	5,556	4,813	10,369		
Port Hope.....	U.S.	5,823	7,153	12,976	6,192	.....	119	6,311	3,951	19,262		
Port McNicoll.....	U.S.	124	19,223	19,347	172	.....	172	9,991	10,163			
Prescott.....	U.S.	11,553	487,569	499,122	8,243	.....	2,800	11,152	364,809	375,961		
St. Catharines.....	U.S.	29,322	126,708	156,120	24,060	360	2,075	26,495	89,975	116,470			
St. Thomas.....	U.S.	10,777	119,555	130,332	11,557	.....	424	11,981	118,052	130,333		
Sarnia.....	U.S.	3,717	202,603	206,320	2,799	313	34	3,146	243,583	246,839			
Sault Sto. Marie.....	U.S.	1,968	345,091	316,119	2,069	.....	33	3,002	599,847	602,849		
Simcoe.....	U.S.	2,619	13,699	16,318	2,377	.....	37	2,414	10,721	13,135		
Stratford.....	U.S.	31,003	32,215	63,248	27,541	170	2,649	30,360	26,187	58,547			
Sudbury.....	U.S.	5,769	5,518	11,287	4,471	.....	314	4,785	4,016	8,861		
Tillsonburg.....	U.S.	1,770	235,002	237,672	2,033	.....	2,093	2,093	222,009	224,042		
Toronto.....	U.S.	441,851	1,179,134	1,620,955	360,682	416	42,383	403,481	1,133,532	1,537,013			
	G.B.	25,203	.....	25,263	23,441	.....	23,441	.....	.....	23,441	
Trenton.....	U.S.	4,904	7,826	12,820	4,270	28	53	4,351	15,887	20,238			
Wallaceburg.....	U.S.	232	25,416	25,648	299	.....	.....	299	19,213	19,512	
Welland.....	U.S.	21,363	205,883	227,246	18,247	.....	4,621	22,838	227,559	250,397		
Whitby.....	U.S.	8,099	2,062	11,061	5,997	.....	25	6,022	5,702	11,724		
Windsor.....	U.S.	8,076	517,885	523,361	7,582	313	391	8,286	623,808	632,091			
Woodstock.....	U.S.	12,488	19,648	32,136	11,674	.....	1,195	12,869	16,572	29,441		
TOTAL FOR CENTRAL ONTARIO.....	U.S.	1,223,839	6,913,221	8,137,060	992,819	2,273	109,063	1,104,155	7,067,289	8,171,414			
	G.B.	26,919	3,001	29,920	24,894	.....	.....	24,894	1,205	26,099	
HEAD OF LAKES—													
Fort William.....	U.S.	8,008	691,831	699,839	8,742	.....	.....	8,742	482,206	490,948	
	G.B.	4,669	.....	4,669	.....	.....	.....	.....	.....	.....
Port Arthur.....	U.S.	.....	62,019	62,019	.....	.....	.....	.....	74,934	74,934	
TOTAL HEAD OF LAKES.....	U.S.	8,008	753,850	761,858	8,742	.....	.....	8,742	557,140	565,882	
	G.B.	4,669	.....	4,669	.....	.....	.....	.....	.....	.....
Total for Ontario.....	U.S.	1,231,847	7,667,071	8,893,918	1,001,561	2,273	109,063	1,112,897	7,624,429	8,737,326			
	G.B.	31,588	3,001	31,589	24,894	.....	.....	24,894	1,205	26,099	
Grand total.....	.....	1,263,435	7,670,072	8,933,507	1,026,455	2,273	109,063	1,137,791	7,625,634	8,763,425		

Table 83.—Summary Statistics for 1933—Interprovincial Shipments, Exports, Imports and Coal made Available for Consumption in Ontario, by Months and by Kinds

(Short tons)

Month	Central Ontario				Head of Lakes		Total Ontario
	Canadian coal		Imported from U.S.A.	Imported from Great Britain	Coal available for consumption	Coal available for consumption	
	Received from other provinces	Exported				Imported from United States	Imported from Great Britain
January—							
Anthracite.....		97,382		97,382			97,382
Bituminous.....	33	318,812		318,845			318,815
Sub-bituminous.....	559			559			559
Lignite.....	1,539			1,539			1,539
Total.....	2,131	416,194		418,325			418,325
February—							
Anthracite.....		107,043		928	108,571		108,571
Bituminous.....	35	255,879		255,914			255,914
Sub-bituminous.....	676			676			676
Lignite.....	1,200			1,200			1,200
Total.....	1,911	363,522		928	366,361		366,361
March—							
Anthracite.....		91,464		91,464			91,464
Bituminous.....		340,577		340,577			340,577
Sub-bituminous.....	145			145			145
Lignite.....	483			483			483
Total.....	628	432,041		432,669			432,669
April—							
Anthracite.....		51,269		51,269			51,269
Bituminous.....		260,035		260,035			260,035
Sub-bituminous.....					97		97
Lignite.....	97						
Total.....	97	311,304		311,401			311,401
May—							
Anthracite.....		24,712	9,247	33,959			33,959
Bituminous.....		568,002	1,205	569,207	26,802		569,009
Sub-bituminous.....					116		116
Lignite.....	116						
Total.....	116	592,714	10,452	603,292	26,802		630,894
June—							
Anthracite.....		63,956	2,225	66,181			66,181
Bituminous.....		679,882		679,882	41,744		721,626
Sub-bituminous.....	105			105			105
Lignite.....	156			156			156
Total.....	261	743,838	2,225	746,324	41,744		788,608
July—							
Anthracite.....		134,074	1,655	135,729			135,729
Bituminous.....	2,815	754,417		757,232	25,826		783,058
Sub-bituminous.....	415			415			415
Lignite.....	692			692			692
Total.....	3,922	888,491	1,655	894,068	25,826		919,894
August—							
Anthracite.....		107,435	2,721	110,156	5,850		116,006
Bituminous.....	3,016	755,216		758,232	133,212		891,444
Sub-bituminous.....	1,346			1,346			1,346
Lignite.....	693			693			693
Total.....	5,055	862,651	2,721	870,427	139,062		1,009,489
September—							
Anthracite.....		154,914	8,118	163,032	2,892		165,924
Bituminous.....	195	865,249		865,444	140,395		1,005,839
Sub-bituminous.....	2,546			2,546			2,546
Lignite.....	2,191			2,191			2,191
Total.....	4,932	1,020,163	8,118	1,033,213	143,287		1,176,500

Table 83.—Summary Statistics for 1933—Interprovincial Shipments, Exports, Imports and Coal made Available for Consumption in Ontario, 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	Coal available for consumption	Coal available for consumption		
	Received from other provinces	Exported				Imported from United States	Imported from Great Britain	
October—								
Anthracite.....		89,866		89,866				89,866
Bituminous.....	2,454	744,218		746,672	59,053			803,725
Sub-bituminous.....	5,033			5,033				5,033
Lignite.....	4,423			4,423				4,423
Total.....	11,910	834,084		845,994	59,053			905,047
November—								
Anthracite.....		98,913		98,913				98,913
Bituminous.....	613	841,275		841,888	102,187			944,075
Sub-bituminous.....	5,648			5,648				5,648
Lignite.....	3,769			3,769				3,769
Total.....	10,030	940,168		950,218	102,187			1,052,485
December—								
Anthracite.....		82,527		82,527				82,527
Bituminous.....	497	683,727		684,224	27,921			712,115
Sub-bituminous.....	2,693			2,693				2,693
Lignite.....	2,988			2,988				2,988
Total.....	6,178	766,254		772,432	27,921			800,353
Total—								
Anthracite.....		1,101,155	24,894	1,129,049	8,742			1,137,791
Bituminous.....	9,658	7,967,289	1,205	7,078,152	557,110			7,633,292
Sub-bituminous.....	*19,166			19,166				19,166
Lignite.....	*18,347			18,347				18,347
Total.....	47,171	8,171,444	26,099	8,244,714	565,882			8,810,596

*Shipments to any point in Ontario from western mines.

CHAPTER SEVEN

MANITOBA

Coal production in Manitoba amounted to 3,880 tons; in the preceding year 1,552 tons were produced. These tonnages were extracted from the lignite seams in the Turtle Mountains near Deloraine.

The United States, Alberta, Saskatchewan and British Columbia continued to be Manitoba's principal sources of coal supply. Alberta's shipments to Manitoba declined 6.5 per cent to 452,952 tons from the previous year's total of 484,459 tons. The 1933 shipments consisted of 144,011 tons of bituminous coal, 66,256 tons of sub-bituminous coal and 242,685 tons of lignite coal. A decrease of 3.9 per cent was recorded in the shipments of Saskatchewan coal into Manitoba in 1933; the total for the year was 376,653 tons. Mines in the Crow's Nest Pass field in British Columbia shipped 71,946 tons of bituminous coal to Manitoba points in 1933; during the preceding year, 54,135 tons were shipped to this province.

In considering Manitoba's importations of coal it is necessary to consider the tonnages brought in through the Customs' ports of the province and through Fort William and Port Arthur, Ontario. During the year under review 585,056 tons were imported into Manitoba and the Head of the Lakes; of this quantity 322,763 tons were for railroad use.

Table 84.—Disposition of Coal Output from Manitoba Mines, by Grades, 1932 and 1933

(Short tons)

Disposition	1932		1933	
	Quantity	Value	Quantity	Value
Supplied to employees for domestic consumption.....	70	\$ 190	48	\$ 96
Shipped (all to Manitoba points).....	1,384	3,494	3,832	9,118
Put on waste heap.....	98	.....	.....	.....
Total disposition.....	1,552	3,684	3,880	9,214

Table 85.—Exports of Canadian Coal through Manitoba Ports, 1929-1933

(Short tons)

Port	1929	1930	1931	1932	1933
Brandon.....	100	57	4	92	519
Emerson.....	1,319	702	332	191	116
Gretna.....	1,204	693	389	233	23
Winnipeg.....	711	950	563	804	560
Total.....	3,334	2,402	1,284	1,320	1,218

Table 86.—Imports into Manitoba and the Head of Lakes, of Anthracite and Bituminous Coal, by Ports of Entry, 1932 and 1933
(Short tons)

Port	Source	1932					1933					
		Anthra-cite	Lignite	Bitum-inous, all grades	Total	Anthracite			N.O.P.	Total	Lignite	Bitum-inous, all grades
						Grate, egg, stove, nut and pea	Screen- ings or dust					
MANITOBA—												
Brandon.....	U.S.	21	146	638	805				4	4	259	1,751 2,014
Emerson.....	U.S.			71	71				15	15	188	203
Gretta.....	U.S.		10	22	32	3			3	33	1	37
Portage la Prairie.....	U.S.											
Winnipeg.....	U.S.	3,779		11,567	15,346	1,801	95	3,001	5,497		10,095	15,592
	G.B.								150	150	1,178	1,328
Total for Manitoba.....	U.S.	3,800	156	12,298	16,254	1,804	95	3,620	5,519	292	12,035	17,846
	G.B.								150	150	1,178	1,328
HEAD OF LAKES—												
Fort William.....	U.S.	8,008		691,831	699,839	8,742				8,742	482,206	490,948
	G.B.	4,669			4,669							
Port Arthur.....	U.S.			62,019	62,019						74,934	74,934
Total Head of Lakes.....	U.S.	8,008		753,850	761,858	8,742				8,742	557,140	565,882
	G.B.	4,669			4,669							
Total.....		12,677		753,850	760,527	8,742				8,742	557,140	565,882
Total for Manitoba and Head of Lakes.....	U.S.	11,808	156	766,148	778,112	10,546	95	3,620	14,261	292	569,175	583,728
	G.B.	4,669			4,669				150	150	1,178	1,328
Grand Total.....		16,477	156	766,148	782,781	10,546	95	3,770	14,411	292	570,353	585,056

Table 87.—Summary Statistics for 1933—Interprovincial Shipments, Exports, Imports and Coal Made Available for Consumption in Manitoba, (exclusive of Shipments Cleared at Head of Lakes) 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.....						
Bituminous.....		26,596	13		553	553
Sub-bituminous.....		6,487		1,585		28,168
Lignite.....	825	91,546	146		27	6,487
Total.....	825	124,629	159	2,165		92,252
February—						
Anthracite.....						
Bituminous.....		25,359	2		423	423
Sub-bituminous.....		6,071		1,558		28,915
Lignite.....	721	88,325	245		39	8,071
Total.....	721	119,755	247	2,020		88,840
March—						
Anthracite.....						
Bituminous.....		20,004			333	333
Sub-bituminous.....		3,514		1,380		21,384
Lignite.....	321	51,788	49		26	3,514
Total.....	321	75,306	49	1,739		52,086
April—						
Anthracite.....						
Bituminous.....		10,469	4		257	257
Sub-bituminous.....		351		709		11,174
Lignite.....		18,199			11	351
Total.....		29,019	4	977		18,210
						29,092

Table 87.—Summary Statistics for 1933—Interprovincial Shipments, Exports, Imports and Coal Made Available for Consumption in Manitoba, (exclusive of Shipments Cleared at Head of Lakes) 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			
May—						
Anthracite.....				392		302
Bituminous.....	8,508			705		9,213
Sub-bituminous.....	1,019					1,019
Lignite.....	11,403					11,403
Total.....		20,930		1,097		22,027
June—						
Anthracite.....				340		340
Bituminous.....	9,939			762		10,701
Sub-bituminous.....	163					163
Lignite.....	11,098		64			11,034
Total.....		21,200	64	1,102		22,238
July—						
Anthracite.....				477		477
Bituminous.....	10,614			645		11,259
Sub-bituminous.....	1,549					1,549
Lignite.....	8,672					8,672
Total.....		20,835		1,122		21,957
August—						
Anthracite.....				479	150	629
Bituminous.....	11,944			1,040		12,984
Sub-bituminous.....	2,590					2,590
Lignite.....	13,285					13,285
Total.....		27,819		1,519	150	29,488
September—						
Anthracite.....				524		524
Bituminous.....	15,712			533	1,052	17,297
Sub-bituminous.....	7,019					7,019
Lignite.....	190	39,215	30	157		39,532
Total.....	190	61,946	30	1,214	1,052	64,372
October—						
Anthracite.....				431		431
Bituminous.....	22,043			934	126	23,103
Sub-bituminous.....	8,431					8,431
Lignite.....	478	92,752	39			93,191
Total.....	478	123,226	39	1,365	126	125,156
November—						
Anthracite.....				657		657
Bituminous.....	23,014		5	1,191		24,200
Sub-bituminous.....	14,951					14,951
Lignite.....	695	88,733	314			88,114
Total.....	695	126,698	319	1,848		128,922
December—						
Anthracite.....				653		653
Bituminous.....	31,755			993		32,748
Sub-bituminous.....	14,111					14,111
Lignite.....	650	104,322	307	32		104,697
Total.....	650	150,188	307	1,678		152,209
Total—						
Anthracite.....				5,519	150	5,669
Bituminous.....	215,957		24	12,035	1,178	229,146
Sub-bituminous.....	66,256					66,256
Lignite.....	3,880	619,338	1,194	292		622,316
Total.....	3,880	901,551	1,218	17,846	1,323	923,387

Table 88.—Employment and Earnings in the Coal Mines of Manitoba, 1932 and 1933

		1932	1933
Average number of wage-earners—			
Surface.....		2	4
Underground.....		4	6
Total.....		6	10
Days' work done—			
Surface.....		373	889
Underground.....		755	1,167
Total.....		1,128	2,056
Average number of days worked per man per year—			
Surface.....		187	222
Underground.....		189	195
By all wage-earners.....		188	206
Total wages paid.....		\$ 3,204	\$ 4,318

Table 89.—Wage-Earners Employed and Work Done, by Months, in the Manitoba Coal Mines, in 1932 and 1933

Month	Number of employees			Days' work done		
	Surface	Under-ground	Total	Surface	Under-ground	Total
1932						
January.....	6	13	19	89	202	291
February.....	6	13	19	90	205	295
March.....	3	6	9	30	60	90
October.....	3	3	3	20	20	20
November.....	3	4	7	72	96	168
December.....	3	8	11	72	192	264
Total.....				373	755	1,128
1933						
January.....	9	16	25	190	338	528
February.....	8	14	22	156	268	424
March.....	4	10	14	20	138	158
September.....	6	4	10	54	40	94
October.....	8	4	12	144	40	184
November.....	10	9	19	195	117	312
December.....	7	12	19	130	226	356
Total.....				889	1,167	2,056

CHAPTER EIGHT
SASKATCHEWAN

Saskatchewan's coal output since 1930 has shown a very rapid increase; in that year 579,424 tons were produced while in 1933 the output was 927,649 tons. The 1933 production set up a new high record for the province.

The mines active during the year produced approximately 69 per cent of their possible output; lack of orders accounted for 30·6 per cent of the production loss. Man-days' work lost through causes other than strikes totalled 79,049 as against 63,450 in the previous year.

Saskatchewan mines shipped 477,209 tons of coal for consumption within the province as compared with 429,990 tons in 1932. A 3·9 per cent increase was recorded in Saskatchewan shipments to Manitoba; the 1933 total was 376,653 tons and the preceding year's, 362,569 tons. The remainder of the shipments consisted of 27,049 tons for railroad use and minor tonnages to the United States and Ontario.

The usual pronounced seasonal variation was apparent in the employment in Saskatchewan coal mines in 1933; in January, 1,212 men were on the payrolls, but a sharp decline was recorded in the following six months. During August a slight recovery was recorded and in September, 1,067 men were engaged; the maximum for the year was reached in October when 1,521 men were on the mine payrolls. The year closed with 1,352 wage-earners employed. An average of 942 employees were working in or about the Saskatchewan mines in 1933, and these received a total remuneration of \$676,844. During 1932, there were 800 employees, whose salaries and wages totalled \$634,045. Wage-earners worked on the average 216 days during the year at a computed average daily rate of \$3.01.

Table 90.—Output of Coal from Saskatchewan Mines, 1887-1933

Calendar year	Short tons	Value	Calendar year	Short tons	Value	Calendar year	Short tons	Value
		\$			\$			\$
1887.....(a)	400	800	1903.....	116,703	109,618	*1919.....	379,347	819,390
1888.....			1904.....	124,885	187,021	*1920.....	335,222	797,828
1889.....			1905.....	107,596	152,334	*1921.....	335,632	823,180
1890.....	200	200	1906.....	108,398	164,146	*1922.....	382,437	802,053
1891.....			1907.....	151,232	252,437	*1923.....	458,100	858,448
1892.....	5,400	9,325	1908.....	150,556	253,790	*1924.....	479,118	886,668
1893.....	8,325	12,485	1909.....	192,125	296,333	*1925.....	471,965	870,875
1894.....(b)	15,051	15,153	1910.....	181,156	293,929	*1926.....	439,803	819,805
1895.....	15,769	31,538	1911.....	206,779	347,248	*1927.....	470,216	868,867
1896.....	18,706	25,059	1912.....	235,342	368,135	*1928.....	471,713	831,491
1897.....	25,000	37,500	1913.....	212,897	358,192	*1929.....	580,189	993,226
1898.....	25,000	37,500	1914.....	232,299	374,245	*1930.....	579,424	968,863
1899.....	25,000	37,500	1915.....	240,107	305,246	*1931.....	662,836	945,259
1900.....	40,500	60,750	1916.....	281,300	441,836	*1932.....	887,139	1,229,449
1901.....	45,000	72,000	1917.....	355,445	602,451	*1933.....	927,649	1,285,996
1902.....	70,400	112,640	1918.....	346,847	722,148		Total	11,367,208
								19,682,957

(a) From Turtle Mountain district, Manitoba.

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

*For the years 1919-1933 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, 1929-1933

(Short tons)

Month	1929	1930	1931	1932	1933
January.....	69,117	78,063	81,308	110,505	130,121
February.....	60,542	50,186	55,094	112,934	119,071
March.....	41,753	47,140	63,088	85,140	71,938
April.....	32,813	25,550	30,420	37,360	34,957
May.....	30,209	20,744	22,521	16,586	20,739
June.....	27,707	20,993	17,970	15,388	10,916
July.....	28,741	20,264	16,347	19,075	18,447
August.....	27,617	21,517	19,527	19,330	26,363
September.....	47,448	42,690	35,130	51,814	67,330
October.....	65,108	91,030	84,518	130,498	146,510
November.....	73,274	81,955	130,998	148,312	129,398
December.....	75,860	79,292	105,915	140,216	142,861
Total.....	580,188	579,424	662,836	887,139	927,649

OPEN-CUT COAL MINING IN SASKATCHEWAN



(Left) Electric stripping shovel for the removal of clay overburden at the Truxx Tropic mine.

(Right) Loading coal into four-ton pit cars at the Truxx Tropic mine.



(Left) Tipple at the Truxx Tropic mine. Rotary dump on left and pneumatic cleaning plant on right.



Courtesy, Truxx Tropic Coal Company.

Table 92.—Output of Coal by Principal Collieries in Saskatchewan for 1931-1933
(Average of 500 tons or more per month)

(Short tons)

Name	Address	1931	1932	1933
Anderson, N.	Estevan	2,418	2,916	4,408
Banks, H.	Taylorton	2,906	3,265	5,567
Banulis Bros.	Roche Perce	1,122		6,678
Bienfait Commercial Co. (formerly National Mines Ltd., and Progressive Mines Ltd.)	Bienfait	19,766	22,888	1,320
Bienfait Mines, Ltd.	Bienfait	65,885	92,902	89,706
Crescent Collieries, Ltd.	Bienfait	46,330	54,476	60,172
Eastern Collieries of Bienfait, Ltd.	Estevan	34,439	66,354	58,762
Edwardson, A. (Sinclair Mine).	Roche Perce		2,177	5,050
Galloway, John.	Estevan		1,919	1,541
Jenish Bros.	Estevan	5,073	5,746	7,647
Lignite Coal Mines, Ltd. (formerly Canadian Coal Briquettes & Power (Bienfait), Ltd.)	Taylorton	1,247	6,055	16,662
Manitoba and Saskatchewan Coal Co., Ltd.	503 Avenue Block, Winnipeg, Man.	107,910	140,198	130,309
Moose Jaw Coal Mine Ltd. (formerly Regina Mfg. & Supply Co. and J. Williams).	Regina		1,113	9,025
Parkinson, George.	Estevan	3,798	3,789	4,418
Poage, H. E.	Roche Perce	6,411	12,449	18,536
Shand Coal and Brick Co.	Shand	9,777	10,991	25,398
Trux Traer Coal Co., Ltd.	Estevan	229,436	239,620	249,457
Uhrich & Matheson.	Taylorton		391	2,278
Western Dominion Collieries, Ltd.	Taylorton	94,220	139,575	120,191
All other operators.		33,160	79,193	110,626
Total.		662,836	887,139	927,649

Table 93.—Tonnage Lost in Saskatchewan Coal Mines, Showing the Relative Percentage Produced and Lost, with an Analysis of the Percentage Lost, 1932 and 1933

Year	Per cent produced	Per cent lost	Percentage lost through				
			Absenteeism	Lack of orders	Car shortage	Mine disability	Other causes
1932.	70	30	29.5			0.3	0.2
1933.	69	31	30.6			0.0	0.4

Table 94.—Disposition of Coal from Saskatchewan Mines, by Grades, 1932 and 1933

(Short tons)

Disposition	1932					1933				
	Run-of-mine	Lump	Slack	Total		Run-of-mine	Lump	Slack	Total	
				Quantity	Value				Quantity	Value
Supplied to employees for domestic consumption	2,267	1,553	.....	3,820	5,763	1,816	2,110	10	3,936	5,819
Shipped as per Table 95	282,732	328,544	202,800	821,166	1,168,180	210,687	385,777	285,253	881,717	1,217,585
Used under colliery boilers, etc.	822	27	24,453	25,302	24,706	316	256	25,870	26,442	21,828
Used in making briquettes	6,530	.....	6,753	13,283	16,602	953	.....	.....	953	1,161
Used by companies' railroads	5,361	.....	.....	5,361	8,012	3,058	2,387	.....	5,445	7,101
Put on bank	20	.....	11,840	11,860	10,947	1,580	510	2,183	4,279	4,296
Put on waste heap	.....	.....	8,075	.....	.....	.....	.....	.....	9,879	.....
Total disposition	307,732	330,124	245,936	891,867	1,234,240	218,416	391,010	313,316	932,651	1,291,093
Lifted from bank	1	.....	4,727	4,728	4,791	1,481	510	3,011	5,002	5,097
Total output	307,731	330,124	241,209	887,139	1,229,443	216,935	390,530	310,305	927,649	1,285,996

Table 95.—Shipments of Coal from Saskatchewan Mines, by Grades and Destination, 1932 and 1933

(Short tons)

Destination	1932				1933			
	Run-of-mine	Lump	Slack	Total	Run-of-mine	Lump	Slack	Total
Saskatchewan.....	191,363	170,412	68,215	429,990	157,841	220,230	99,138	477,209
Alberta.....								
British Columbia.....								
Manitoba.....	96,515	153,188	112,866	362,563	52,175	163,365	161,113	376,633
Ontario.....	924	4,153	1,069	6,146		269		269
United States.....	358	235		593	347	190		537
Railroads.....	3,572	556	20,740	24,868	324	1,723	25,002	27,649
Total.....	292,732	328,544	262,890	824,166	210,687	385,777	285,253	881,717

Table 96.—Exports of Canadian Coal through Saskatchewan Ports, 1929-1933

(Short toas)

Port	1929	1930	1931	1932	1933
Moose Jaw.....	38	87	133	424	415
North Portal.....	7,495	5,658	2,073	2,072	3,148
Regina.....	694	330	36	312	150
Total.....	8,227	6,075	2,242	2,808	3,713

Table 97.—Imports into Saskatchewan of Anthracite, Bituminous and Lignite Coal, by Ports of Entry, 1932 and 1933

(Short tons)

Table 98.—Summary Statistics for 1933—Output, Exports, Interprovincial Shipments, Imports and Coal made Available for Consumption in Saskatchewan, 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	Shipped to other provinces	Exported			
January—							
Anthracite.....		11,887	.....	9			11,878
Bituminous.....		2,878	.....				2,878
Sub-bituminous.....			57,268	818			185,771
Lignite.....	130,121	113,736					
Total.....	130,121	128,501	57,268	827			200,527
February—							
Anthracite.....		10,529	.....	9	33		10,553
Bituminous.....		2,335	.....				2,335
Sub-bituminous.....			53,054	101			191,581
Lignite.....	119,071	125,665					
Total.....	119,071	138,529	53,054	110	33		204,469
March—							
Bituminous.....		6,381	.....	1	227		6,607
Sub-bituminous.....		1,066	.....				1,066
Lignite.....	71,938	51,935	36,423	119			87,331
Total.....	71,938	59,382	36,423	120	227		95,004
April—							
Bituminous.....		5,967	.....		62		6,029
Sub-bituminous.....		58	.....				58
Lignite.....	34,957	30,389	14,353	12			50,981
Total.....	34,957	36,414	14,353	12	62		57,068
May—							
Anthracite.....			.....		32		32
Bituminous.....		4,932	.....		230		5,162
Sub-bituminous.....		787	.....				787
Lignite.....	20,739	17,619	8,637	54			29,667
Total.....	20,739	23,338	8,637	54	262		35,648
June—							
Bituminous.....		4,999	.....		199		5,198
Sub-bituminous.....		1,364	.....				1,364
Lignite.....	19,916	15,521	6,841	97			28,499
Total.....	19,916	21,884	6,841	97	199		35,081
July—							
Anthracite.....			.....		235		5,381
Bituminous.....		5,146	.....				5,162
Sub-bituminous.....		1,562	.....				27,096
Lignite.....	18,447	14,921	6,263	9			
Total.....	18,447	21,629	6,263	9	235		34,039
August—							
Bituminous.....		5,960	.....		165	101	6,226
Sub-bituminous.....		1,116	.....				1,116
Lignite.....	26,363	43,894	7,642	7	21		62,629
Total.....	26,363	50,970	7,642	7	186	101	69,971
September—							
Anthracite.....			.....		41		9,354
Bituminous.....		9,313	.....				2,976
Sub-bituminous.....		2,976	.....				158,555
Lignite.....	67,330	110,878	19,502	151			
Total.....	67,330	123,167	19,502	151	41		170,885
October—							
Anthracite.....			.....		34		9,705
Bituminous.....		9,671	.....				3,731
Sub-bituminous.....		3,731	.....				271,352
Lignite.....	146,510	174,303	48,501	1,108	148		
Total.....	146,510	187,705	48,501	1,108	182		284,788

Table 98.—Summary Statistics for 1933—Output, Exports, Interprovincial Shipments, Imports and Coal made Available for Consumption in Saskatchewan, 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	Shipped to other provinces	Exported			
November—							
Anthracite.....		9,080			25		25
Bituminous.....		1,558					9,078
Sub-bituminous.....		116,760	53,314	887	143		1,558
Lignite.....	129,396						192,098
Total.....	129,396	127,398	53,314	889	168		202,759
December—							
Anthracite.....		10,362					10,362
Bituminous.....		2,276					2,276
Sub-bituminous.....		142,861	146,153	65,124	329	5	223,566
Lignite.....							
Total.....	142,861	158,811	65,124	329	5		236,224
Total—							
Anthracite.....					57		57
Bituminous.....		94,247		21	1,226	101	95,533
Sub-bituminous.....		21,707					21,707
Lignite.....	927,649	961,774	376,922	3,692	317		1,569,126
Total.....	927,649	1,977,728	376,922	3,713	1,600	101	1,626,443

Table 99.—Employees, Salaries and Wages in the Coal Mines of Saskatchewan, 1932 and 1933

		1932	1933
Number of Salaried employees—			
Male.....		47	44
Female.....		5	7
Number of Wage-earners—			
Surface.....		224	267
Underground.....		524	624
Total.....		800	912
Salaries and wages—			
Salaries.....	\$ 109,833	\$ 98,629	
Wages.....	\$ 524,212	\$ 578,215	
Total.....	\$ 634,045	\$ 676,844	

Table 100.—Employment and Earnings in the Coal Mines of Saskatchewan, 1929-1933

	1929	1930	1931	1932	1933
Average number of wage-earners—					
Surface.....	127	140	166	224	267
Underground.....	434	389	372	524	624
Total.....	561	529	538	748	891
Days' work done—					
Surface.....	28,893	29,146	32,398	47,044	56,964
Underground.....	97,151	79,157	73,312	117,132	135,079
Total.....	126,044	108,302	105,710	164,176	192,043
Average number of days worked per man per year—					
Surface.....	227	208	195	210	213
Underground.....	224	203	197	223	216
By all wage-earners.....	225	205	196	219	216
Total wages paid.....	\$530,391	\$419,669	\$401,432	\$524,212	\$578,215

Table 101.—Wage-Earners Employed, and Work Done, by Months, in Saskatchewan Coal Mines in 1933

Month	Number of wage-earners			Days' work done		
	Surface	Under-ground	Total	Surface	Under-ground	Total
January.....	295	917	1,212	6,505	19,501	26,006
February.....	283	876	1,159	5,394	16,294	21,688
March.....	244	598	842	4,248	10,237	14,485
April.....	152	310	462	1,845	4,284	6,129
May.....	148	266	414	1,293	2,778	4,071
June.....	137	253	390	1,105	2,581	3,686
July.....	127	221	348	1,224	2,391	3,615
August.....	187	318	505	2,230	4,044	6,274
September.....	352	715	1,067	5,566	12,578	18,144
October.....	472	1,049	1,521	11,351	22,207	33,558
November.....	422	1,005	1,427	8,113	18,483	26,596
December.....	389	963	1,352	8,090	19,701	27,791
Total.....				56,961	135,079	192,043

Table 102.—Wage-Earners in Saskatchewan Coal Mines, by Classes, 1932 and 1933

Classification	1932			1933		
	Surface	Under-ground	Total	Surface	Under-ground	Total
Administration.....	11		11	9		9
Foremen and clerks.....	34	40	74	47	42	89
Officials.....						
Screencleaners and loaders.....	71		71	91		91
Stripping shovel operators.....	5		5	4		4
Hand cutters and helpers.....	296		296			
Machine cutters.....	25		25			
Machining loaders and helpers.....	42		42			
Horse haulage employees.....	7	48	55	11	54	65
Mechanical haulage employees.....	8	15	23	15	10	25
Ventilation employees.....						
Roadmakers.....	25		25	1		5
Timbermen.....	9		9	17		18
Pumpmen.....						
Loading shovel.....	7		7	7		7
Cleaning shovel.....						
Engineers.....	11		11	11		11
Tiremen.....	10		10	12		12
Machinists.....	3		3	5		5
Carpenters and masons.....	7		7			
Other mechanics.....	8	1	9	5		5
All other employees.....	42	10	52	41	21	62
Total.....	224	524	748	267	624	891

Table 103.—Capital Employed in the Coal Mines of Saskatchewan, 1932 and 1933

	1932	1933
Capital employed as represented by—	\$	\$
Cost of lands, buildings, machinery and tools.....	4,583,920	4,882,884
Cost of supplies and stock on hand.....	88,922	75,362
Cash, trading and operating accounts and bills receivable.....	257,489	252,917
Total.....	4,930,331	5,211,163

CHAPTER NINE

ALBERTA

Alberta mines produced 4,718,788 tons of coal in 1933, a decline of 3·1 per cent from the 1932 total of 4,870,648 tons. Bituminous coal production declined 0·5 per cent to 1,726,256 tons, sub-bituminous coal 1·2 per cent to 554,118 tons and lignite coal 5·3 per cent to 2,438,414 tons.

Alberta mines in operation during the year produced 61 per cent of their possible output as compared with 65 per cent in 1932. An estimated output loss in 1933 of 2,959,266 tons was due to causes other than strikes, principally lack of orders. In addition, there were ten labour disputes involving 1,222 men with a computed production loss of 47,739 tons.

A 7·6 per cent falling off was recorded in the purchases of Alberta coal by railroads; the 1933 total was 1,496,703 tons while in the previous year 1,620,224 tons were purchased. Alberta coal distributed within the province totalled 1,084,845 tons in 1933. Sales to Saskatchewan consumers declined slightly to 1,058,154 tons from the 1932 total of 1,102,649 tons. Shipments to Manitoba points amounted to 452,952 tons as compared with 484,459 tons a year ago. British Columbia received 116,723 tons of Alberta coal in 1933 or 19·3 per cent below the preceding year's receipts. Lesser tonnages were shipped to Ontario, the United States and Quebec.

Sales of Alberta coal through retail coal dealers in 1933 included 101,423 tons of run of mine, 1,056,261 tons of lump, 137,363 tons of egg, 184,294 tons of nut, 29,114 tons of pea and 181,674 tons of slack. Direct shipments to domestic consumers and to employees totalled 596,451 tons. Industrial users purchased 463,697 tons of coal direct from the mines.

Six of the principal producing districts in Alberta accounted for 80·9 per cent of the province's total coal output in 1933, these were: Drumheller, Crowsnest, Mountain Park, Edmonton, Coalspur and Lethbridge. Coal from the Crowsnest and Mountain Park districts is classed as bituminous, from Coalspur, sub-bituminous, and from Drumheller, Edmonton and Lethbridge, lignite.

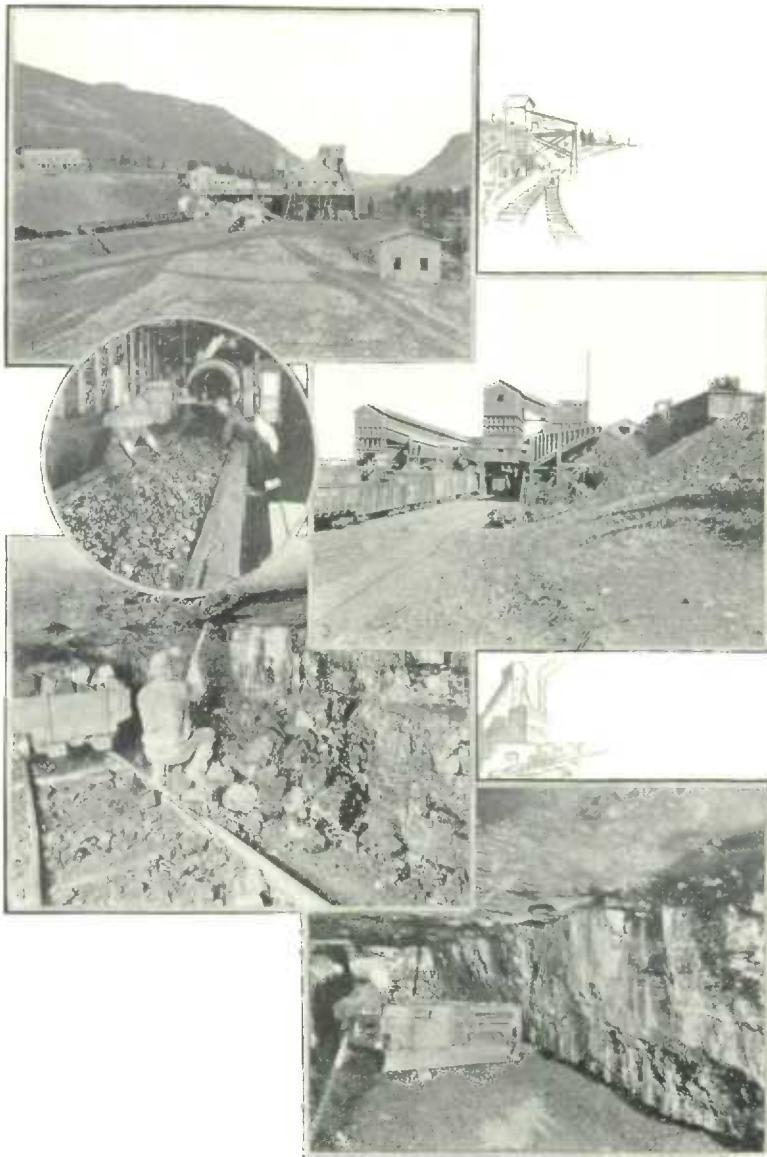
During January, 10,015 men were on the payrolls of the Alberta coal mines; during the following six months there was a falling off in the number of men employed. A gradual recovery in employment was noted during the succeeding months and in December the maximum for the year was reached. The 1933 average was 7,971 as compared with 7,824 in 1932. Salaries and wages paid in 1933 totalled \$8,049,744, a decline of 8·2 per cent from the previous year's total of \$8,767,751.

Table 104.—Output of Coal from Alberta Mines, 1886-1933

Calendar year	Short tons	Value	Calendar year	Short tons	Value	Calendar year	Short tons	Value
		\$			\$			\$
1886.....	43,220	81,112	1903.....	495,893	1,117,541	1919.....	4,933,860	18,205,205
1887.....	74,152	157,577	1904.....	661,732	1,404,524	1920.....	6,907,765	30,186,933
1888.....	115,124	183,354	1905.....	931,917	1,993,915	1921.....	5,909,217	27,246,514
1889.....	97,364	179,640	1906.....	1,246,360	2,614,762	1922.....	5,990,911	24,351,913
1890.....	128,753	198,298	1907.....	1,591,579	3,836,286	1923.....	6,854,397	28,018,303
1891.....	174,131	437,243	1908.....	1,685,861	4,127,311	1924.....	5,189,729	18,884,318
1892.....	178,970	460,605	1909.....	1,994,741	4,838,109	1925.....	5,869,031	20,021,484
1893.....	230,070	586,260	1910.....	2,894,469	7,065,736	1926.....	6,503,705	20,886,103
1894.....	184,940	473,827	1911.....	1,511,036	3,979,264	1927.....	6,934,162	21,982,058
1895.....	169,885	382,526	1912.....	3,240,577	8,113,525	1928.....	7,336,330	23,532,414
1896.....	209,162	581,832	1913.....	4,014,755	10,418,941	1929.....	7,150,693	22,928,182
1897.....	242,163	630,408	1914.....	3,683,015	9,350,302	1930.....	5,755,528	18,063,225
1898.....	315,088	787,720	1915.....	3,360,818	8,283,079	1931.....	4,564,015	13,342,675
1899.....	309,600	774,000	1916.....	4,559,054	11,386,577	1932.....	4,870,648	13,526,309
1900.....	311,450	778,625	1917.....	4,736,308	14,153,085	1933.....	4,718,788	12,307,258
1901.....	340,275	850,687	1918.....	5,972,816	20,537,287	Total.....	135,536,536	435,208,143
1902.....	402,819	960,601						

*For the years 1919-1933 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.

COAL MINING IN ALBERTA



1. Coal Tipple at Greenhit Mine, Blairmore, Alberta.
2. Rotary dump and picking table for coke coal, Midland Mine, Drumheller, Alberta.
3. Briquetting plant, Camrose, Alberta.
4. Underground scene in an Alberta coal mine.
5. Undercutting machine at work in an Alberta coal mine.

Courtesy, W. J. Oliver and the Canadian Government Motion Picture Bureau.

Table 105.—Output of Coal from Alberta Mines, by Months, 1929-1933

(Short tons)

Month	1929	1930	1931	1932	1933
January.....	705,142	791,019	471,591	533,481	478,445
February.....	788,832	448,488	336,502	569,038	498,571
March.....	571,908	400,098	387,512	410,541	348,742
April.....	567,603	270,679	273,615	252,995	245,912
May.....	523,766	300,745	270,571	196,979	216,998
June.....	494,375	355,055	236,010	232,854	220,517
July.....	482,380	322,281	267,268	107,158	197,522
August.....	481,966	399,708	261,816	265,196	290,808
September.....	550,492	559,071	423,541	431,159	436,088
October.....	666,039	776,172	502,641	654,704	622,504
November.....	655,554	589,131	617,716	577,391	535,564
December.....	682,576	543,081	509,432	549,152	626,517
Total.....	7,150,693	5,755,528	4,564,015	4,870,648	4,718,788

Table 106.—Output of Coal in Alberta, by Districts, 1931-1933

(Short tons)

District	1931	1932	1933
BITUMINOUS—			
Cascade*.....	166,297	169,328	124,308
Crowsnest.....	951,948	714,356	876,402
Mountain Park.....	560,846	712,361	584,431
Nordegg.....	167,215	138,660	141,115
Total bituminous.....	1,846,306	1,734,705	1,726,256
SUB-BITUMINOUS—			
Calgary.....	398,021	452,536	427,486
Pekisko.....	873	1,542	1,643
Pincher.....	2,414	2,790	1,978
Prairie Creek.....	35,523	68,127	84,676
Saunders.....	34,512	35,907	38,335
Total sub-bituminous.....	471,343	560,902	554,118
LIGNITE—			
Archie.....	10,608	18,463	20,951
Big Valley.....	3,340	4,598	4,407
Brooks.....	4,908	6,623	6,870
Camrose.....	41,235	42,356	37,394
Carbon.....	85,831	88,394	100,525
Castor.....	24,319	37,118	34,298
Champion.....	12,113	17,321	20,497
Drumheller.....	1,070,710	1,245,673	1,112,277
Edmonton.....	370,657	452,814	478,225
Gleichen.....	3,166	5,058	4,662
Halcourt.....	1,702	2,163	2,894
Lethbridge.....	358,749	387,147	337,009
Magrath.....	1,750	1,786	2,006
Milk River.....	3,854	4,091	5,202
Pukan.....	196	196	196
Pakowski.....	1,602	2,717	2,879
Pembina.....	92,859	99,101	101,726
Redcliff.....	25,120	24,064	32,299
Rochester.....	225	358	1,214
Sexsmith.....	34	34	34
Sheerness.....	19,684	24,530	28,353
Steveville.....	136	136	115
Tabor.....	11,856	14,389	16,049
Tofield.....	101,843	95,647	88,213
Wetaskiwin.....	175	190	171
Whitecourt.....	25	8	38
Area not designated.....			141
Total lignite.....	2,246,366	2,575,041	2,438,414
Total Alberta.....	4,564,015	4,870,648	4,718,788

*Includes a small quantity of anthracite coal.

Table 107.—Output of Coal by Principal Collieries in Alberta, 1931-1933
(Average of 500 tons or more per month)

(Short tons)

Name and address	1931	1932	1933
Bituminous			
CASCADE DISTRICT—			
Canmore Coal Co., Ltd., Canmore.....	165,388	168,393	123,218
All other operators.....	909	935	1,090
Total.....	166,297	169,328	124,308
CROWSNEST DISTRICT—			
Hillcrest Collieries, Ltd., Hillcrest.....	163,331	172,484	127,774
Byron Creek Collieries, Ltd. (Hillcrest Collieries, Ltd.), Hillcrest.....	25,853	—	—
International Coal and Coke Co., Ltd., Coleman.....	158,440	138,298	214,886
McGillivray Creek Coal and Coke Co., Ltd., Coleman.....	185,114	148,590	149,789
Mohawk Bituminous Mines, Ltd., Bellevue.....	83,179	84,719	60,603
West Canadian Collieries, Ltd., Blairmore.....	331,980	167,109	319,613
All other operators.....	4,051	3,156	3,737
Total.....	951,948	714,356	876,402
MOUNTAIN PARK DISTRICT—			
Cadomin Coal Co., Ltd., Cadomin (mine office); Edmonton (business office).....	304,874	337,497	292,112
Luscar Collieries, Ltd., Edmonton.....	122,345	187,375	125,677
Mountain Park Collieries, Ltd., 410 Tegler Bldg., Edmonton.....	133,237	185,802	166,642
All other operators.....	390	1,687	—
Total.....	560,846	712,361	584,431
NORDEGG DISTRICT—			
Brazeau Collieries Ltd., Nordegg.....	167,215	138,660	141,115
Total.....	167,215	138,660	141,115
Total bituminous.....	1,846,300	1,734,705	1,726,256
Sub-Bituminous			
COALSPUR DISTRICT—			
Bryan Coal Co., Ltd., Edmonton.....	13,424	17,180	12,971
Coal Valley Mining Co., Ltd., Coal Valley.....	163,174	184,856	164,363
Foothills Collieries, Ltd., Foothills.....	43,895	45,596	45,417
Lakeside Coal Ltd., Edmonton.....	29,692	26,698	37,199
McLeod River Hard Coal Co., Ltd., Mercoal.....	27,127	24,733	22,291
Sterling Collieries Ltd., Edmonton.....	117,076	153,410	145,162
Val D'Or Collieries Ltd., Reco.....	1,745	—	—
All other operators.....	1,881	63	83
Total.....	398,021	452,536	427,486
PEKISKO DISTRICT.			
873	1,542	1,643	—
PINCHER DISTRICT.			
2,414	2,790	1,978	—
PRAIRIE CREEK DISTRICT—			
Hinton Collieries, Ltd., Hinton.....	17,463	46,046	65,955
Jasper Coal Co., Ltd., Edmonton.....	18,060	22,081	18,721
Total.....	35,523	68,127	84,676
SAUNDERS DISTRICT—			
Alexo Coal Co., Ltd., Alexo.....	18,462	18,418	23,131
Bighorn and Saunders Creek Collieries, Ltd., Saunders.....	16,050	17,489	15,204
Total.....	34,512	35,907	38,335
Total sub-bituminous.....	471,343	560,902	554,118
Lignite (Sub-bituminous)			
ARDLEY DISTRICT—			
Super Heat Coal Co., Ardley.....	6,176	10,642	12,343
All other operators.....	4,433	7,821	8,608
Total.....	10,609	18,463	20,951
BIG VALLEY DISTRICT.			
3,340	4,698	4,407	—

*Anthracite coal produced by Frank Wheatley and Sons.

Table 107.—Output of Coal by Principal Collieries in Alberta, 1931-1933
(Average of 500 tons or more per month)—Continued

(Short tons)

Name and address	1931	1932	1933
Lignite—Continued			
BROOKS DISTRICT—			
Kleenburn Collieries Ltd., Eyremore.....	4,908	4,944	5,617
Larson, J. L., Wheat Centre.....	1,507	834	
All other operators.....	172	419	
Total.....	4,908	6,623	6,870
CAMROSE DISTRICT—			
Canadian Dinant Coal Co., Ltd., Dinant.....	28,091	27,894	23,327
Stoney Creek Collieries, Ltd., Camrose.....	7,279	7,823	7,480
All other operators.....	5,865	6,639	6,587
Total.....	41,235	42,356	37,394
CARBON DISTRICT—			
Balogh Coal Co., Ltd., Carbon.....	7,498	8,620	9,315
Canadian Dinant Coal Co., Three Hills.....	14,593	15,966	19,470
Oiphiant, J. H., Carbon.....	8,801	16,881	22,047
Peerless Carbon Collieries, Carbon.....	45,815	37,557	35,773
All other operators.....	9,124	9,370	13,920
Total.....	85,831	88,394	100,525
CASTOR DISTRICT—			
Total.....	24,319	37,118	34,298
CHAMPION DISTRICT—			
Total.....	12,113	17,321	20,497
DRUMHELLER DISTRICT—			
Acton Coal Co., Ltd., Drumheller.....	37,142	45,580	30,231
Alberta Block Coal Co., Ltd., Drumheller.....	20,759	10,736	12,446
Atlas Coal Co., Ltd., East Coulee.....	85,680	110,034	99,252
Brilliant Coal Co., Ltd. (formerly Drumheller Consolidated Collieries, Ltd.), Drumheller.....	1,950	12,585	29,020
Elgin Coal Co., Ltd., Drumheller.....	13,962	5,596	2,448
Empire Collieries, Ltd. (formerly Arcadia Coal Co.), East Coulee.....	54,766	90,071	81,410
Excelsior Collieries, Ltd., Wayne.....	19,992	30,919	13,520
Fireside Coal Co., Ltd., Drumheller.....	54,702	52,993	57,336
Great West Coal Co., Ltd. (Star Mine), Aerial.....	60,515	61,615	36,927
Hy-Grade Coal Co. of Drumheller, Ltd., Drumheller.....	31,300	27,156	41,838
Ideal Coal Co., Ltd., Wayne.....	64,234	53,953	61,501
Jewel Collieries, Ltd., Wayne.....	37,904	57,302	31,537
Maple Leaf Minerals Ltd., Drumheller.....	126,137	156,615	135,937
Midland Coal Mining Co., Ltd., Midlandvale.....	2,093	4,192	5,026
Minute Coal Co., Drumheller.....	47,869	78,446	80,310
Murray Collieries, Ltd., East Coulee.....	50,099	84,214	78,360
Newcastle Coal Co., Ltd., Drumheller.....	1,129		
Newcastle Junior Mining Co., Ltd., Drumheller.....	72,066	78,225	57,194
Rosedale Coal Co., Ltd., Rosedale.....	57,693	68,589	47,378
Rose Deer Coal Mining Co., Ltd., Wayne.....	38,048	31,394	30,017
Sovereign Coal Mining Co., Ltd., Wayne.....	19,105	22,253	12,684
Superior Grade Coal Co., Ltd., Wayne.....	73,190	83,625	76,597
Thomas Coal Co., Ltd., The, Drumheller.....	93,415	74,302	77,820
Western Gem Coal Co., Ltd., Drumheller.....	6,958	5,278	9,249
All other operators.....			
Total.....	1,070,710	1,245,673	1,112,277
EDMONTON DISTRICT—			
Beverly Coal Co., Ltd., Edmonton.....	330	23,919	50,326
Bush Mines, Ltd., Edmonton.....	25,175	41,286	42,049
Dawson Coal Co., Ltd., Edmonton.....	14,732	16,437	18,897
Edina Coal Co., Ltd. (formerly Premier Coal Co., Ltd.), Edmonton.....	8,004	15,732	23,417
Fridell Red Hot Coal Co., Edmonton.....	3,718	7,513	5,347
Fraser-Mackay Collieries, Ltd., 10055-101st St., Edmonton.....	47,458	48,635	49,696
Gibb, W. E., Edmonton.....	21,467	25,681	21,417
Great West Coal Co., Ltd. (Black Diamond Mine), Edmonton.....	70,552	84,474	79,079
Keith and Fulton Coal Co., Edmonton.....	2,034	4,874	4,799
McDonnell & Gwilliam, Numa.....	6,847	0,098	11,169
Marcus Coal Mines, Ltd., Edmonton.....	56,692	52,674	52,816
Ottewell Coal Co., Clover Bar.....	16,267	21,502	12,727
Penn Coals Ltd. (formerly Sturgeon Valley Collieries Ltd.), Edmonton.....	61,057	55,653	81,278
Parker, L., Cardiff.....	6,346	6,539	5,253
Sinoski, M., Strathcona.....	6,107	7,474	5,715
All other operators.....	23,871	34,333	34,240
Total.....	370,657	452,814	478,225

Table 107.—Output of Coal by Principal Collieries in Alberta, 1931-1933
(Average of 500 tons or more per month)—Continued

(Short tons)

Name and address	1931	1932	1933
Lignite—Continued			
GLEICHEN DISTRICT.....	3,166	5,058	4,662
HALCOURT DISTRICT.....	1,702	2,183	2,894
LETHBRIDGE DISTRICT—			
Canadian Pacific Railway Co., Dept. of Natural Resources, Calgary.....	161,985	167,565	145,917
City of Lethbridge Coal Mines, Lethbridge.....	15,135	13,118	13,056
Cadillac Coal Co., Ltd., Lethbridge.....	72,245	99,470	77,673
Coal Producers, Ltd., Calgary.....	90,430	79,408	67,291
Land, Nelson & Degunst, Lethbridge.....	3,312	4,537	5,017
Rollingson, J., Lethbridge.....	2,402	2,488	5,178
Royal Lethbridge Collieries, Lethbridge.....	6,137	11,042	12,948
All other operators.....	7,103	9,519	9,928
Total.....	358,749	387,147	337,008
MAGRATH DISTRICT.....	1,750	1,786	2,006
MILK RIVER DISTRICT.....	3,854	4,091	5,202
PAKAN DISTRICT.....		196	.....
PAKOWKI DISTRICT.....	1,602	2,717	2,879
PAMBINA DISTRICT—			
Lakeside Coals Ltd., Edmonton.....	29,461	34,158	50,666
Coal Producers, Ltd., Calgary.....	63,321	64,867	50,706
All other operators.....	77	76	354
Total.....	92,859	90,101	101,726
REDCLIFF DISTRICT—			
Gunderson Brick & Coal Co., Ltd. (formerly Redcliff Brick and Coal Co., Ltd.)			
Redcliff.....	13,434	12,900	21,499
Oliphant, John, Medicine Hat.....	11,074	11,148	10,771
All other operators.....	12	16	29
Total.....	25,120	24,064	32,299
ROCHESTER DISTRICT.....	225	358	1,214
SEXSMITH DISTRICT.....	34	.....	.....
SHEERNESS DISTRICT—			
Leavell Coal Co. Ltd. (formerly J. Warnebolt), Sheerness.....	5,847	5,279	6,768
All other operators.....	13,837	19,251	21,585
Total.....	19,684	24,530	28,353
SLAVE LAKE DISTRICT.....	.....	.....	.....
STEVENVILLE DISTRICT.....		136	115
TABER DISTRICT.....	11,856	14,389	16,049
TOFIELD DISTRICT—			
Tofield Coal Co., Ltd., Tofield.....	96,889	87,105	74,780
Troddway & Co. (formerly Dodds Coal Co., Ltd.), Dodds.....	260	2,259	11,870
All other operators.....	4,694	6,283	3,563
Total.....	101,843	95,647	88,213

Table 107.—Output of Coal by Principal Collieries in Alberta, 1931-1933
(Average of 500 tons or more per month)—Concluded

(Short tons)

Name and address	1931	1932	1933
Lignite—Concluded			
WETASKIWIN DISTRICT.....	175	190	171
WHITECOURT DISTRICT.....	25	8	38
Area not designated.....			141
Total lignite.....	2,246,366	2,575,041	2,438,414
Total Alberta.....	4,564,015	4,870,648	4,718,288

Table 108.—Tonnage Lost in Alberta Coal Mines, Showing by Districts the Relative Percentage Produced and Lost, with an Analysis of the Percentage Lost, 1932 and 1933

District	Per cent produced		Per cent lost		Percentage lost through									
					Absenteeism		Lack of orders		Car shortage		Mine disability		Other causes	
	1932	1933	1932	1933	1932	1933	1932	1933	1932	1933	1932	1933	1932	1933
BITUMINOUS—														
Cascade.....	62	51	38	49	2·0	1·4	36·0	47·6						
Crowsnest.....	63	57	37	43			37·0	43·0						
Mountain Park.....	85	73	15	27	0·2		14·7	28·9					0·1	0·1
Nordegg.....	59	59	41	41			41·0	41·0						
Total bituminous.....	70	61	30	39	0·3	0·1	29·7	38·9						
SUB-BITUMINOUS—														
Coalspur.....	82	85	18	15			17·9	14·8					0·1	0·1
Pekisko.....	38	44	62	56			60·6	54·3					1·4	1·7
Pincher.....	48	49	52	51			52·0	51·0						
Prairie Creek.....	75	69	25	31	1·0	1·0	24·0	20·4			0·6			
Saunders.....	41	58	59	42			59·0	42·0						
Total sub-bituminous.....	76	79	24	21	0·1	0·2	23·8	20·5			0·1		0·1	0·1
LIGNITE—														
Ardley.....	67	62	33	38			31·8	35·5			1·4	1·7		0·8
Big Valley.....	48	48	54	52			54·0	52·0						
Brooks.....	59	61	41	39			41·0	39·0						
Camrose.....	76	67	24	33			24·0	33·0						
Carbon.....	66	55	34	45			34·0	45·0						
Castor.....	62	57	38	43		0·1	38·0	42·4					0·5	
Champion.....	68	72	32	28		0·6	32·0	27·4						
Drumheller.....	59	57	41	43			40·3	43·0			0·1	0·6		
Edmonton.....	71	68	29	32	1·1	1·0	27·2	30·4			0·5	0·2	0·6	
Gleichen.....	46	68	54	32			54·0	31·5			0·5			
Halcourt.....	63	73	37	27			37·0	27·0						
Lethbridge.....	50	48	50	52	0·1	0·2	49·5	50·6			0·2	0·2	0·2	1·0
Macgrath.....	72	65	28	35			27·1	33·3			0·9	1·7		
Milk River.....	63	63	37	37		0·1	37·0	35·4				1·5		
Pakon.....	12	.....	88	.....			88·0	.....					
Pinkowki.....	58	46	42	54			42·0	84·0						
Pembina.....	64	70	36	30		0·2	35·8	29·8				0·2		
Redcliff.....	54	65	46	35			46·0	35·0						
Rochester.....	79	63	21	37			18·1	29·7			2·9	4·4		2·9
Sexsmith.....	.....	.....	.....	.....						
Sheerness.....	63	53	37	47	0·2	0·1	33·4	45·7			0·6	0·6	2·8	0·6
Steveville.....	54	54	46	46			46·0	46·0						
Tafer.....	58	58	42	42	1·0	0·0	38·7	42·0			1·2		1·1	
Tonle.....	85	84	15	16			15·0	16·0						
Wetaskiwin.....	30	36	70	64			70·0	52·8					11·2	
Whitecourt.....	12	24	88	76			88·0	76·0						
Area not designated.....	.....	89	.....	11									11	
Total lignite.....	61	59	39	41	0·1	0·2	38·5	40·5	0·0	0·0	0·0	0·1	0·4	0·2
Total Alberta.....	65	61	35	39	0·2	0·3	34·4	38·4	0·0	0·0	0·1	0·0	0·3	0·3

Table 109.—Total Disposition of Coal from Alberta Mines, by Grades, 1932 and 1933

(Short tons)

	1932		1933				Total	
	Total		Run-of-mine	Lump	Nut and other grades	Slack	Total	
	Quantity	Value					Quantity	Value
Supplied to employees for domestic consumption	37,249	94,907	17,412	18,704	3,917	65	40,098	98,042
Coal shipped as per Table 113	4,495,608	13,024,257	1,806,915	1,321,425	533,002	605,540	4,266,885	11,551,006
Used under colliery boilers	179,703	338,378	74,652	3,690	7,424	95,870	181,636	346,434
Used by companies' railroads	7,168	16,154	5,601	.....	394	.....	5,995	13,282
Used in making coke at colliery	4,591	14,258	.....	.....	.....	75,276	75,276	227,111
Used in making briquettes	12,629	41,047	.....	.....	.....	14,933	14,933	48,539
Put on bank	42,291	124,057	15,554	5,328	2,914	14,395	38,191	95,369
Put on waste heap	132,869	.....	.....	.....	.....	.....	137,335	.....
Total disposition	4,912,116	13,653,089	1,926,137	1,349,147	547,651	806,079	4,760,319	12,403,783
Lifted from bank	40,710	126,786	16,704	4,936	2,431	12,671	36,742	98,525
Lifted from waste	723	.....	.....	.....	.....	.....	4,819	.....
Total output	4,870,649	13,526,309	1,903,433	1,344,211	545,220	793,468	4,718,788	12,307,258

Table 110.—Disposition of Bituminous Coal from Alberta Mines, 1932 and 1933

(Short tons)

	1932		1933				Total	
	Total		Run-of-mine	Lump	Nut und other grades	Slack	Total	
	Quantity	Value					Quantity	Value
Supplied to employees for domestic consumption	14,994	36,143	13,551	3,281	.....	38	16,870	41,244
Coal shipped as per Table 114	1,612,455	5,104,029	1,261,615	12,741	15,920	232,314	1,522,530	4,901,625
Used under colliery boilers	71,172	218,672	57,076	.....	.....	19,371	76,447	219,984
Used by companies' railroads	1,121	3,745	801	.....	.....	.....	801	2,667
Used in making coke at colliery	4,591	14,258	.....	.....	.....	75,276	75,276	227,111
Used in making briquettes	12,629	41,047	.....	.....	.....	14,933	14,933	48,539
Put on bank	22,002	76,192	14,310	41	51	2,662	17,064	57,496
Put on waste heap	13,707	.....	.....	.....	.....	.....	21,868	.....
Total disposition	1,755,671	5,794,002	1,347,353	16,063	15,971	344,534	1,745,849	5,498,666
Lifted from bank	20,966	78,601	15,438	41	48	2,820	18,347	63,010
Lifted from waste . . . . .	.....	.....	.....	.....	.....	.....	1,246	.....
Total output	1,734,705	5,715,491	1,331,915	16,022	15,923	341,774	1,726,256	5,435,656

Table 111.—Disposition of Sub-Bituminous Coal from Alberta Mines, by Grades, 1932 and 1933

(Short tons)

	1932		1933				Total	
	Total		Run-of-mine	Lump	Nut and other grades	Slack	Total	
	Quantity	Value					Quantity	Value
Supplied to employees for domestic consumption	1,968	6,225	1,308	447	366	.....	2,181	6,442
Coal shipped as per Table 115	432,616	1,262,238	243,874	87,977	63,598	28,422	123,871	1,205,432
Used under colliery boilers	28,556	49,709	17,211	185	1,476	11,771	30,643	52,734
Used by companies' railroads	4,776	9,552	4,258	.....	.....	.....	4,258	8,516
Put on bank	1,998	3,828	1,141	305	339	584	2,323	7,430
Put on waste heap	92,587	.....	.....	.....	.....	.....	93,099	.....
Total disposition	567,531	1,331,549	267,852	88,974	65,779	40,777	556,481	1,280,554
Lifted from bank	1,629	2,233	1,199	78	421	665	2,363	6,537
Total output	566,902	1,329,316	266,653	88,896	65,358	40,112	554,118	1,271,017

Table 112.—Disposition of Lignite Coal from Alberta Mines, 1932 and 1933
(Short tons)

	1932		1933					Total	
	Total		Run-of-mine	Lump	Nut and other grades	Slack	Total		
	Quantity	Value					Quantity	Value	
Supplied to employees for domestic consumption	20,287	\$2,539	2,493	14,976	3,551	27	21,047	\$0,356	
Coal shipped as per Table 116	2,450,307	6,357,890	301,429	1,220,707	453,484	344,804	2,320,424	5,473,919	
Used under colliery boilers	26,977	69,993	365	8,505	5,948	64,728	74,516	67,716	
Used by companies' railroads	1,271	2,857	542	—	394	—	936	2,699	
Put on bank	18,301	41,069	103	4,922	2,524	11,149	18,698	30,443	
Put on waste heap	26,565	—	—	—	—	—	22,368	—	
Total disposition	2,593,908	6,527,448	304,932	1,244,110	465,901	428,708	2,458,819	5,624,563	
Lifted from bank	18,145	45,946	67	4,817	1,902	9,186	16,032	26,978	
Lifted from waste	722	—	—	—	—	—	3,573	—	
Total output	2,575,041	6,481,502	304,863	1,239,293	463,939	411,522	2,438,414	5,597,585	

Table 113.—Total Shipments of Coal from Alberta Mines, by Grades and Destination, 1932 and 1933

(Short tons)

Destination	1932					1933				
	Run-of-mine	Lump	Nut and other grades	Slack	Total	Run-of-mine	Lump	Nut and other grades	Slack	Total
Alberta	196,891	425,548	252,182	220,822	1,085,413	195,174	422,076	244,235	223,360	1,084,845
Saskatchewan	86,986	673,421	192,733	149,499	1,102,649	116,775	605,959	165,926	169,494	1,034,154
British Columbia	6,059	81,816	39,344	17,444	144,663	2,900	65,152	32,119	16,552	116,723
Manitoba	40,839	216,556	66,043	101,021	481,459	44,237	184,332	65,753	158,630	452,952
Ontario	203	17,242	3,310	250	21,005	210	28,179	8,608	1,981	38,978
Quebec	—	135	—	—	135	—	—	—	32	32
United States	492	8,875	12,140	5,523	27,030	97	7,993	6,268	4,140	18,498
Railroads	1,558,822	16,325	13,829	31,248	1,620,224	1,447,525	7,734	10,061	31,383	1,496,783
Total	1,890,292	1,439,918	579,591	585,807	4,495,608	1,806,918	1,321,425	533,002	605,540	4,266,885

Table 114.—Shipments of Bituminous Coal from Alberta Mines, by Grades and Destination, 1932 and 1933

(Short tons)

Destination	1932					1933				
	Run-of-mine	Lump	Nut and other grades	Slack	Total	Run-of-mine	Lump	Nut and other grades	Slack	Total
Alberta	13,447	2,437	1,161	10,513	27,558	13,773	2,257	1,337	11,091	28,463
Saskatchewan	28,869	5,131	1,029	23,867	56,896	21,001	3,773	1,201	48,698	74,673
British Columbia	2,153	1,817	552	16,587	21,109	2,202	905	455	16,158	19,723
Manitoba	15,853	1,896	1,552	127,718	147,019	15,241	1,662	4,289	122,819	141,011
Ontario	162	171	45	48	426	99	102	98	1,435	1,734
United States	161	607	48	5,197	6,013	97	311	—	3,800	4,298
Railroads	1,313,167	7,380	10,435	22,472	1,333,434	1,209,197	3,731	8,537	28,313	1,249,778
Total	1,371,812	19,419	11,822	206,402	1,612,455	1,261,615	12,741	15,920	232,314	1,522,590

Table 115.—Shipments of Sub-Bituminous Coal from Alberta Mines, by Grades and Destination, 1932 and 1933

(Short tons)

Destination	1932					1933				
	Run-of-mine	Lump	Nut and other grades	Slack	Total	Run-of-mine	Lump	Nut and other grades	Slack	Total
Alberta.....	3,005	11,464	6,885	2,393	23,747	3,573	15,703	9,105	8,380	36,761
Saskatchewan.....	1,199	12,430	16,549	3,680	33,858	1,019	10,722	7,728	2,238	21,707
British Columbia.....	293	25,036	13,388	31	38,748	521	19,546	12,898	70	33,032
Manitoba.....	553	27,790	20,056	14,988	63,837	322	24,972	26,672	14,290	66,256
Ontario.....	41	5,089	541	38	5,709	111	12,998	5,639	418	19,166
United States.....	204			68	272		33			33
Railroads.....	245,655	8,965	3,394	8,776	266,790	238,328	4,003	1,524	3,026	246,841
Quebec.....		135			135			32		32
Total.....	250,950	30,909	60,813	29,974	432,646	243,874	87,977	63,598	28,422	423,871

Table 116.—Shipments of Lignite Coal from Alberta Mines, by Grades and Destination, 1932 and 1933

(Short tons)

Destination	1932					1933				
	Run-of-mine	Lump	Nut and other grades	Slack	Total	Run-of-mine	Lump	Nut and other grades	Slack	Total
Alberta.....	180,439	411,647	244,136	207,916	1,044,138	177,823	404,116	233,793	203,889	1,019,621
Saskatchewan.....	58,918	655,860	175,105	121,952	1,011,895	94,755	591,464	156,997	118,558	961,774
British Columbia.....	3,613	54,963	25,404	826	84,806	177	44,701	18,763	324	63,965
Manitoba.....	24,433	186,870	44,435	18,315	274,053	28,674	157,698	34,792	21,521	242,685
Ontario.....		11,982	2,724	164	14,870		15,079	2,871	128	18,078
United States.....	127	8,268	12,092	258	20,713		7,649	6,268	340	14,257
Railroads.....									44	44
Total.....	267,530	1,329,590	503,956	349,431	2,450,507	301,429	1,220,767	453,484	344,804	2,320,424

Table 117.—Exports of Canadian Coal through Alberta Ports, 1929-1933

(Short tons)

Port	1929	1930	1931	1932	1933
Lethbridge.....	1,060	1,321	1,191	996	1,126
Total.....	1,060	1,321	1,191	996	1,126

Table 118.—Imports into Alberta of Anthracite and Bituminous Coal by Ports of Entry, 1932 and 1933

(Short tons)

Port	Source	1932						1933						
		Anthracite					Anthracite							
		Grate, egg, stove, nut and pea	Screen- ings or dust	N.O.P.	Total	Bitum- inous, all grades	Total	Grate, egg, stove, nut and pea	Screen- ings or dust	N.O.P.	Total	Bitum- inous, all grades	Total	
Calgary.....	U.S.					240	240						222	223
Edmonton.....	U.S.			3	3	576	579			75	75		706	781
Lethbridge.....	U.S.					14	14						70	76
Medicine Hat.....	U.S.													
Total.....	U.S.			3	3	830	833			75	75		998	1,073

Table 119.—Summary Statistics for 1933—Output, Exports, Interprovincial Shipments, Imports and Coal made Available for Consumption in Alberta, 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.....	132,531	581	27,210	11		105,885
Sub-bituminous.....	45,945		14,641			31,304
Lignite.....	299,969		156,855	30		143,084
Total.....	478,445	581	198,712	41		280,273
February—						
Anthracite.....					75	75
Bituminous.....	137,403	236	27,138	6	73	110,568
Sub-bituminous.....	53,223		13,235			39,988
Lignite.....	307,945		170,401	77		137,467
Total.....	498,571	236	210,774	83	148	288,098
March—						
Bituminous.....	144,623	277	19,471	28	121	125,522
Sub-bituminous.....	45,893		6,397			39,496
Lignite.....	158,226		71,679	52		86,495
Total.....	348,742	277	97,547	80	121	251,513
April—						
Bituminous.....	127,845	224	11,527			110,542
Sub-bituminous.....	36,910		1,240			35,670
Lignite.....	81,157		35,584	3		45,570
Total.....	245,912	224	48,351	3		197,782
May—						
Bituminous.....	129,754	81	10,218	12	64	119,669
Sub-bituminous.....	35,382		2,364			33,018
Lignite.....	51,862		21,653	6		30,203
Total.....	216,998	81	34,235	18	64	182,890
June—						
Bituminous.....	159,121	164	13,130	13	197	140,339
Sub-bituminous.....	10,949		2,004			14,945
Lignite.....	44,447		20,913	5		23,529
Total.....	220,517	164	36,047	18	197	184,813
July—						
Bituminous.....	139,062	111	13,268	7	200	126,108
Sub-bituminous.....	14,800		4,765			10,035
Lignite.....	43,660		19,444	2		24,214
Total.....	197,522	111	37,467	9	200	160,357
August—						
Bituminous.....	163,111	301	14,402		175	149,185
Sub-bituminous.....	30,990		6,580			24,410
Lignite.....	96,707		52,935	12		43,760
Total.....	290,808	301	73,917	12	175	217,355
September—						
Bituminous.....	117,799	249	19,641	17	70	98,460
Sub-bituminous.....	62,189		15,918			46,251
Lignite.....	256,720		141,812	44		114,864
Total.....	436,688	249	177,371	61	70	259,575
October—						
Bituminous.....	142,590	2,626	23,436	42	67	121,805
Sub-bituminous.....	66,841		21,573			45,268
Lignite.....	413,073		233,397	261		179,415
Total.....	622,504	2,626	278,406	303	67	346,488
November—						
Bituminous.....	169,278	721	28,871	45	31	141,114
Sub-bituminous.....	72,950		26,302			46,648
Lignite.....	293,336		163,743	201		129,392
Total.....	535,564	721	218,916	246	31	317,154
December—						
Bituminous.....	163,139	350	31,833	129		131,527
Sub-bituminous.....	72,066		25,177			46,889
Lignite.....	391,312		198,086	123		193,103
Total.....	620,517	350	255,096	252		371,519
Total—						
Anthracite.....					75	75
Bituminous.....	1,726,256	5,921	240,141	310	998	1,492,724
Sub-bituminous.....	554,118		140,196			413,922
Lignite.....	2,438,413		1,286,502	816		1,151,096
Total.....	4,718,788	5,921	1,666,839	1,126	1,073	3,057,817

Table 120.—Employees, Salaries and Wages, in the Coal Mines of Alberta, by Districts, 1932

District	Average number of employees					Salaries and wages		
	Salaried employees		Wage-earners			Salaries	Wages	Total
	Male	Female	Surface	Under-ground	Total			
BITUMINOUS—								
Cascade.....	19	1	73	222	315	53,009	315,962	369,871
Crowsnest.....	136	5	352	993	1,489	299,767	1,202,631	1,582,398
Mountain Park.....	77	8	234	514	823	190,762	1,078,348	1,278,110
Nordegg.....	20	1	89	162	272	44,536	235,503	280,039
Total bituminous.....	252	15	738	1,894	2,899	597,974	2,832,444	3,430,418
SUB-BITUMINOUS—								
Coalspur.....	26	3	255	160	444	89,008	563,649	652,657
Pekisko.....			3	5	8		2,812	2,842
Pincher.....			3	8	11		4,784	4,784
Prairie Creek.....	5		37	96	138	9,700	170,842	180,542
Saunders.....	12		22	63	97	25,888	90,335	116,223
Total sub-bituminous.....	43	3	320	332	698	124,596	832,452	957,048
LIGNITE—								
Ardley.....	2		8	31	41	3,600	19,709	23,309
Big Valley.....			11	9	20		8,076	6,076
Brooks.....	1		6	6	13	3,200	10,117	13,317
Canmore.....	8		16	49	73	17,502	43,603	61,105
Carbon.....	7	1	29	123	160	10,826	133,927	144,753
Castor.....	4		12	63	79	1,799	45,849	47,648
Champion.....	2		6	42	50	1,668	28,816	30,482
Drumheller.....	109	8	346	1,549	2,612	268,837	1,870,417	2,148,254
Edmonton.....	62	4	126	504	736	99,300	520,116	628,416
Glenchen.....	1		1	10	12	1,600	8,049	9,649
Halcourt.....	1			8	9	600	3,708	4,308
Lothbridge.....	41	4	280	804	1,189	91,042	842,440	933,482
Magrath.....			3	5	8		3,750	3,750
Milk River.....			7	7	14		7,173	7,173
Pakan.....			7		7		100	100
Pakowki.....			3	8	11		3,661	3,661
Pembina.....	12		39	85	136	23,282	107,924	131,206
Redcliff.....	6		9	35	50	8,600	22,304	30,904
Rochester.....			1	1	2		500	500
Sleevness.....	2		26	25	53	4,000	24,509	28,509
Steveville.....				1	1		250	250
Taber.....			12	34	46		19,943	19,943
Tofield.....	12		65	6	83	33,660	69,680	103,340
Wetaskiwin.....				2	2		150	150
Whitecourt.....								
Total lignite.....	270	17	1,013	3,527	4,827	569,514	3,810,771	4,380,285
Total Alberta.....	563	35	2,071	5,753	8,424	1,292,084	7,475,667	8,767,751

Table 121.—Employees, Salaries and Wages in the Coal Mines of Alberta, by Districts, 1933

District	Average number of employees					Salaries and wages		
	Salaried employees		Wage-earners			Total	Salaries	Wages
	Male	Female	Surface	Under-ground				
BITUMINOUS—								
Cascade.....	23	1	77	220	321	59,865	239,858	299,723
Crownnest.....	129	5	423	1,192	1,749	291,885	1,471,345	1,763,230
Mountain Park.....	51	8	210	512	781	137,047	930,142	1,067,189
Nordegg.....	15	1	85	157	258	40,128	236,219	276,347
Total bituminous.....	218	15	795	2,081	3,169	529,525	2,877,564	3,407,089
SUB-BITUMINOUS—								
Coalspur.....	34	3	247	180	461	102,053	507,010	609,093
Pakisko.....			2	5	7	.....	3,060	3,060
Pincher.....			3	6	9	.....	3,368	3,368
Prairie Creek.....	9		36	106	151	17,535	154,270	171,805
Saunders.....	12		27	71	110	24,893	86,698	111,591
Total sub-bituminous.....	55	3	315	368	741	144,511	754,406	898,917
LIGNITE—								
Ardley.....	3		9	35	47	3,803	21,377	25,180
Big Valley.....			6	9	15	.....	5,611	5,611
Brocks.....	2		8	4	11	3,000	9,843	12,843
Camrose.....	10	1	16	50	77	14,634	38,238	52,872
Carbon.....	9	1	34	166	210	12,015	127,741	139,756
Castor.....	2		12	69	83	725	41,652	42,377
Champion.....	2		8	56	66	1,514	29,157	30,671
Drumheller.....	102	8	317	1,407	1,834	209,733	1,463,001	1,672,734
Edmonton.....	60	5	126	610	807	81,027	549,741	630,768
Gleichen.....	1		2	12	15	624	6,506	7,130
Halcourt.....	1		1	11	13	600	5,606	6,206
Lethbridge.....	48	5	249	809	1,111	91,347	712,098	803,445
Magrath.....			2	5	7	.....	2,922	2,922
Milk River.....			6	8	14	.....	8,202	8,202
Pakan.....			2	11	13	.....	4,134	4,134
Pakowski.....	8		36	66	110	15,943	96,042	111,985
Pembina.....			4	10	53	5,758	31,186	36,914
Redcliff.....			1		7	105	1,539	1,704
Rochester.....	1		4	2	7	2,305	28,494	30,859
Shoerness.....	4		39	29	72	.....	150	150
Steveville.....				1	1	.....	.....	.....
Taber.....			12	35	47	.....	23,217	23,217
Tofield.....	10		66	4	80	31,657	61,706	93,363
Wetaskiwin.....				1	1	.....	300	300
Whitecourt.....				1	1	.....	90	90
Area not designed.....				1	1	.....	275	275
Total lignite.....	267	20	965	3,447	4,699	474,910	3,268,828	3,743,738
Total Alberta.....	540	38	2,075	5,896	8,519	1,148,916	6,900,798	8,049,744

Table 122.—Employment and Earnings in the Coal Mines of Alberta, 1929-1933

—	1929	1930	1931	1932	1933
Average number of wage-earners—					
Surface.....	2,446	2,279	2,089	2,071	2,075
Underground.....	7,085	6,570	5,935	5,753	5,896
Total.....	9,534	8,849	8,024	7,824	7,971
Days' work done—					
Surface.....	638,771	540,522	445,753	477,200	469,430
Underground.....	1,570,360	1,233,052	928,713	1,001,994	958,835
Total.....	2,209,110	1,773,574	1,374,466	1,479,194	1,428,265
Average number of days worked per man per year—					
Surface.....	261	237	213	230	226
Underground.....	222	187	156	174	162
Total.....	232	200	171	189	179
Total wages paid.....	\$ 13,128,462	\$ 10,067,115	\$ 7,376,358	\$ 7,475,667	\$ 6,900,798

Table 123.—Wage-Earners Employed, and Work Done, by Months, in the Coal Mines of Alberta in 1933

Month	Number of wage-earners			Days' work done		
	Surface	Under-ground	Total	Surface	Under-ground	Total
January.....	2,408	7,807	10,015	45,454	100,320	145,774
February.....	2,304	7,067	9,371	43,280	98,022	141,302
March.....	2,087	5,979	8,066	38,611	68,341	106,952
April.....	1,731	4,507	6,238	28,712	46,128	74,840
May.....	1,639	4,011	5,650	30,178	41,813	71,991
June.....	1,554	3,894	5,448	26,934	46,431	73,365
July.....	1,530	3,874	5,113	25,869	43,335	68,204
August.....	1,882	4,624	6,516	36,023	65,009	101,032
September.....	2,230	6,440	8,679	42,115	92,217	134,332
October.....	2,490	7,491	9,981	51,750	126,660	178,410
November.....	2,504	7,616	10,120	47,981	107,871	155,852
December.....	2,515	7,638	10,153	52,523	122,688	175,211
Total.....				469,430	958,835	1,428,265

Table 124.—Number of Man-Days' Work Done in Alberta Coal Mines, by Districts, 1932 and 1933

District	1932			1933		
	Surface	Under-ground	Total	Surface	Under-ground	Total
BITUMINOUS—						
Brûlé.....						
Cascade.....	19,254	33,801	52,855	16,850	26,186	43,036
Crowsnest.....	80,565	159,800	240,365	95,986	185,275	281,261
Mountain Park.....	61,005	130,309	191,314	52,384	106,886	159,270
Nordegg.....	21,671	23,365	45,036	20,099	23,245	43,344
Total bituminous.....	182,495	347,075	529,570	185,319	341,592	526,911
SUB-BITUMINOUS—						
Coulspur.....	74,413	25,346	99,759	70,673	30,349	101,022
Morley.....	455	626	1,081	299	596	895
Pekisko.....	528	1,404	1,932	473	880	1,353
Pincher.....	8,748	21,839	30,587	9,500	20,101	29,661
Prairie Creek.....	3,636	8,747	12,383	5,199	11,496	16,695
Total sub-bituminous.....	87,780	57,962	145,742	80,144	63,482	149,626
LIGNITE—						
Ardley.....	1,781	6,107	7,888	2,189	5,923	8,112
Big Valley.....	799	1,527	2,326	1,413	938	2,351
Brooks.....	920	1,523	2,443	1,584	1,090	2,674
Camrose.....	4,446	10,625	15,071	4,049	9,445	13,491
Carbon.....	6,593	23,696	30,289	7,317	26,972	34,289
Castor.....	2,725	11,397	14,122	3,430	10,638	14,068
Champion.....	1,444	8,553	9,997	2,025	11,893	13,918
Drumheller.....	70,714	263,940	334,654	62,332	225,859	288,191
Edmonton.....	29,808	119,170	149,038	29,531	122,236	151,767
Gleichen.....	433	2,049	2,482	594	2,108	2,762
Halcourt.....	62	1,593	1,655	408	2,287	2,695
Lethbridge.....	49,007	111,557	160,564	42,668	98,450	141,118
Magrath.....	490	985	1,475	337	892	1,229
Milk River.....	1,550	979	2,529	1,226	1,425	2,651
Pakani.....	349		349			
Pakowki.....	531	1,135	1,666	494	1,337	1,831
Pembina.....	9,214	14,015	23,229	8,385	13,165	21,550
Pedcliff.....	1,516	5,784	7,300	2,006	7,929	9,925
Rochester.....	260	121	381	707	311	1,018
Sixsmith.....						
Sheerness.....	4,345	4,844	9,189	6,543	4,252	10,795
Steveville.....	5	119	124	7	108	115
Taber.....	2,033	5,930	7,969	2,575	5,499	8,074
Tofield.....	17,833	1,173	19,006	18,018	752	18,770
Wetaskiwin.....	7	123	130	36	58	94
Whitecourt.....						
Area not designated.....				93	39	39
Total lignite.....	206,925	596,957	803,882	197,967	553,761	751,728
Total Alberta.....	477,200	1,001,994	1,479,194	469,430	958,835	1,428,265

Table 125.—Wage-Earners Employed in Alberta Coal Mines, by Classes, 1932 and 1933

Classification	1932			1933		
	Surface	Under-ground	Total	Surface	Under-ground	Total
Administration.....	77	4	81	66	.....	66
Foremen and clerks.....	224	360	584	228	374	602
Officials.....						
Screeenmen and loaders.....	730	730	707	707	707	707
Hand cutters and helpers.....	1,743	1,743	1,916	1,916	1,916	1,916
Machine cutters and helpers.....	392	392	371	371	371	371
Machine loaders and helpers.....	1,668	1,668	1,632	1,632	1,632	1,632
Horse haulage employees.....	10	452	471	29	421	450
Mechanical haulage employees.....	53	275	328	64	287	351
Ventilation employees.....	1	63	64	1	70	71
Roadmakers.....	3	128	131	2	125	127
Timbermen.....	.....	217	217	.....	232	232
Pumpmen.....	2	41	43	3	40	43
Chute loaders.....	.....	132	132	.....	126	126
Enginemen.....	153	.....	153	157	.....	157
Piremen.....	100	.....	100	94	.....	94
Machinists.....	56	6	62	57	6	63
Carpenters and masons.....	42	.....	42	47	1	48
Other mechanics.....	71	7	78	74	8	82
All other employees.....	540	265	805	546	287	833
Total.....	2,071	5,753	7,824	2,075	5,806	7,971

Table 126.—Capital Employed in the Coal Mines of Alberta, 1932 and 1933

	1932	1933
	\$	\$
Capital employed as represented by—		
Cost of lands, buildings, machinery and tools.....	36,803,903	36,577,858
Cost of supplies and stock on hand.....	1,324,810	1,207,324
Cash, trading and operating accounts and bills receivable.....	5,826,217	6,070,698
Total.....	43,954,930	43,855,880

CHAPTER TEN

BRITISH COLUMBIA

Production from British Columbia coal mines declined to the lowest point since 1898. The 1933 output was 1,382,272 tons or 17·8 per cent below the 1932 total of 1,681,490 tons. The decrease in production was general in the three coal-producing districts and was due mainly to a lessened industrial and domestic demand.

Crow's Nest Pass mines produced 502,334 tons, a 19·2 per cent falling off from the previous year's total. In the Inland district, 194,041 tons were mined or 12·3 per cent below the 1932 output. Mines in the Island district had an output of 685,897 tons, which was 18·2 per cent lower than the 1932 production.

Shipments from British Columbia mines for use within the province declined 3·7 per cent to 620,393 tons from the 1932 total of 644,189 tons. Coal shipped for railroad use totalled 415,004 tons as compared with 483,884 tons in the previous year. A 32·9 per cent increase was recorded in shipments to Manitoba; the 1933 total was 71,946 tons and the 1932 quantity, 54,135 tons.

Retail coal dealers were supplied with 10,906 tons of run of mine, 228,162 tons of lump, 31,621 tons of egg, 30,366 tons of nut, 36,636 tons of pea and 34,595 tons of slack. Shipments direct from the mines to industrial users were recorded at 222,000 tons. Coal sold direct to domestic consumers and supplied to employees totalled 33,676 tons.

Employment was furnished on the average to 3,050 wage-earners who received wages amounting to \$2,886,364. These wage-earners worked 616,510 man-days or an average of 202 days per man. In 1932, there were 3,684 wage-earners who received 780,567 man-days' work or an average of 212 days per man.

Seventy-one compressed air machines and one electric machine were used in 1933 by British Columbia mines to produce 570,629 tons of coal or 41·3 per cent of the total tonnage mined. During the preceding year 53 compressed air machines and three electric machines produced 363,404 tons or 21·6 per cent of the coal mined.

Table 127.—Output of Coal from British Columbia Mines, 1836-1933

(Short tons)

Calendar year	Output	Value	Calendar year	Output	Value	Calendar year	Output	Value
	\$			\$				\$
1836-1806.....	214,410	765,748	1880.....	630,439	1,704,747	1912.....	3,208,997	10,028,116
1807.....	34,988	124,956	1890.....	767,586	2,056,035	1913.....	2,714,420	8,482,562
1868.....	49,286	176,020	1891.....	1,130,227	3,027,528	1914.....	2,239,799	6,999,374
1869.....	40,008	143,208	1892.....	937,218	2,510,406	1915.....	2,065,613	6,455,041
1870.....	33,424	119,372	1893.....	1,003,980	2,930,304	1916.....	2,584,061	8,075,190
1871.....			1894.....	1,112,628	2,980,254	1917.....	2,433,888	8,235,716
1872.....	166,274	593,830	1895.....	1,058,045	2,834,049	1918.....	2,568,589	11,494,681
1873.....			1896.....	1,003,769	2,688,666	1919.....	2,649,516	13,512,532
1874.....	90,788	243,183	1897.....	1,019,390	2,730,510	*1920.....	3,095,011	18,105,844
1875.....	109,361	292,932	1898.....	1,263,680	3,384,858	*1921.....	2,890,291	15,676,774
1876.....	157,907	420,555	1899.....	1,431,101	3,833,307	*1922.....	2,927,033	14,622,317
1877.....	156,455	419,076	1900.....	1,791,833	4,799,553	*1923.....	2,823,306	13,813,520
1878.....	213,750	572,544	1901.....	1,919,488	5,141,487	*1924.....	2,193,667	10,601,998
1879.....	260,277	697,170	1902.....	1,808,441	4,844,040	*1925.....	2,742,252	11,720,373
1880.....	305,045	817,086	1903.....	1,676,581	4,490,844	*1926.....	2,613,719	10,612,915
1881.....	257,056	688,542	1904.....	1,862,625	4,988,174	*1927.....	2,746,243	10,934,777
1882.....	323,201	865,716	1905.....	1,945,452	5,211,030	*1928.....	2,804,594	11,094,353
1883.....	240,075	643,059	1906.....	2,146,262	5,748,915	*1929.....	2,490,378	10,160,789
1884.....	441,130	1,181,598	1907.....	2,364,898	7,390,306	*1930.....	2,083,818	8,421,372
1885.....	372,987	999,072	1908.....	2,333,708	7,292,835	*1931.....	1,876,406	7,150,996
1886.....	375,415	1,005,576	1909.....	2,606,127	8,144,147	*1932.....	1,681,490	6,302,801
1887.....	486,142	1,302,165	1910.....	3,330,745	10,408,580	*1933.....	1,382,272	5,306,287
1888.....	539,467	1,445,001	1911.....	2,542,532	7,945,413	Total.....	97,461,751	348,501,904

* The tonnage shown for 1919-1933 inclusive, is the total output from all mines; for previous years the figures given include only sales, colliery consumption and coal used by operators.

COAL MINING IN BRITISH COLUMBIA

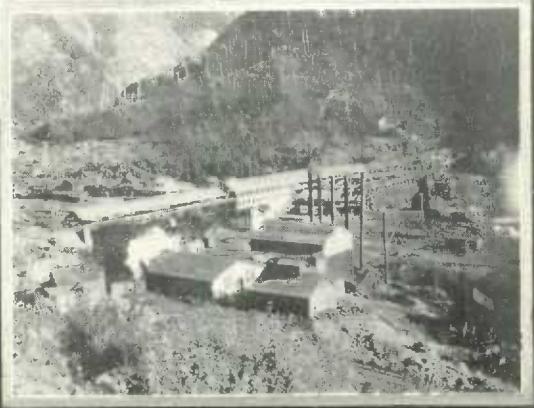
(Right) Canadian Collieries (Dunsmuir) Limited. Loading coal at Nanaimo.



(Left) Crows Nest Pass Coal Company, Michel Colliery.



(Right) Coal Creek Colliery, Fernie.



Courtesy Crows Nest Pass Coal Company and the Canadian Government Motion Picture Bureau.

Table 128.—Output of Coal from British Columbia Mines, by Months, 1929-1933
(Short tons)

Month	1929	1930	1931	1932	1933
January.....	233,706	207,324	166,369	153,154	123,596
February.....	225,926	199,979	146,485	171,911	128,959
March.....	214,432	175,394	153,241	159,870	111,615
April.....	220,641	161,136	135,976	147,194	96,316
May.....	211,637	157,604	131,775	127,712	81,988
June.....	210,820	213,322	194,382	168,105	85,218
July.....	169,489	137,616	138,318	111,601	92,485
August.....	183,783	136,685	137,886	114,826	126,280
September.....	198,420	160,540	145,079	125,834	112,632
October.....	212,934	182,110	163,423	122,428	130,658
November.....	202,645	169,530	171,791	126,287	137,642
December.....	204,945	182,578	191,681	152,568	145,883
Total.....	2,490,378	2,083,818	1,876,406	1,681,490	1,382,272

Table 129.—Output of Coal by Districts in British Columbia, 1929-1933
(Short tons)

District	1929	1930	1931	1932	1933
Crow's Nest Pass.....	962,552	738,370	707,277	621,431	502,334
Inland.....	273,054	237,978	238,354	221,172	194,041
Island.....	1,254,772	1,107,470	930,775	838,887	685,897
Total.....	2,490,378	2,083,818	1,876,406	1,681,490	1,382,272

Table 130.—Output of Coal by Principal Collieries in British Columbia, 1931-1933
(Average of 500 tons or over per month)

(Short tons)

Name	Address	1931	1932	1933
CROW'S NEST PASS DISTRICT—				
Corbin Collieries, Ltd.....	Corbin.....	254,547	274,001	210,614
Crow's Nest Pass Coal Co., Ltd.....	Fernie.....	452,730	347,430	291,720
Total.....		707,277	621,431	502,334
INLAND DISTRICT—				
Coalmont Collieries, Ltd.....	Coalmont.....	111,789	107,412	86,345
Middleboro Collieries, Ltd.....	Merritt.....	32,188	23,257	28,824
Pleasant Valley Mining Co., Ltd.....	Princeton.....	14,112	16,346	9,479
Tulameen Coal Mines, Ltd.....	Princeton.....	64,671	57,965	54,061
Wilson Mining and Investment Co. Ltd. (formerly Blue Flame Coal Co.).....	Vancouver.....	13,037	11,780	10,373
All other operators.....		2,547	4,412	4,959
Total.....		238,354	221,172	194,041
ISLAND DISTRICT—				
Canadian Collieries (Dunsmuir) Ltd.....	Nanaimo.....	440,021	365,714	380,046
Granby Consolidated Mining, Smelting and Power Co., Ltd.....	Cassidy.....	127,675	69,918	
Western Fuel Corporation of Canada, Ltd.....	Nanaimo.....	352,373	394,505	293,075
All other operators.....		10,706	8,659	12,776
Total.....		930,775	838,887	685,897
Total British Columbia.....		1,876,406	1,681,490	1,382,272

Table 131.—Tonnage Lost in British Columbia Mines, Showing by Districts the Relative Percentage Produced and Lost, with an Analysis of the Percentage Lost, 1932 and 1933

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.....	1932	53	47	46.9	.....	.....	.....	0.1
	1933	60	40	40.0	.....	.....	.....	.....
Inland.....	1932	76	24	17.8	5.7	.....	.....	0.5
	1933	74	26	25.3	0.3	.....	.....	0.4
Island.....	1932	71	29	0.5	28.5	.....	.....	0.4
	1933	67	33	0.4	32.2	.....	.....	.....
British Columbia.....	1932	63	37	0.2	35.8	0.8	.....	0.2
	1933	65	35	0.2	34.6	.....	.....	0.2

Table 132.—Disposition of Coal from British Columbia Mines, by Grades, 1932 and 1933
(Short tons)

Description	1932					1933				
	Run-of-mine	Screened	Slack	Total		Run-of-mine	Screened	Slack	Total	
				\$	\$				\$	\$
Supplied to employees for domestic consumption.	1,290	18,353	.....	19,643	64,239	1,420	15,518	.....	16,938	54,286
Shipped as per Table 133.	353,270	816,741	250,501	1,420,572	5,821,283	303,397	751,163	182,146	1,235,706	5,025,758
Used under colliery boilers, etc.....	21,533	68,116	27,750	117,405	320,769	20,214	66,192	18,594	105,000	273,361
Used by companies' railroads.....	5,527	5,275	.....	10,902	40,368	5,137	3,508	.....	8,645	30,950
Used in making coke at colliery.....	.....	.....	47,640	47,640	166,368	.....	.....	9,447	9,447	22,701
Put on bank.....	3,240	38,822	3,178	45,219	181,514	3,397	27,956	580	31,933	129,913
Put on waste heap.....	.....	.....	.....	71,716	.....	.....	.....	40,496	.....	.....
Total disposition....	384,869	947,307	329,135	1,733,027	6,594,481	333,565	864,337	210,767	1,449,165	5,536,974
Lifted from bank.....	3,342	38,335	8,029	49,706	201,680	3,342	57,068	210	60,620	230,681
Lifted from waste heap.....	.....	.....	1,831	1,831	.....	.....	1,734	4,539	6,273	.....
Total output.....	381,527	908,972	319,275	1,681,490	6,392,801	330,223	865,335	206,018	1,382,272	5,306,287

Table 133.—Shipments of Coal from British Columbia Mines, by Grades and Destination, 1932 and 1933

(Short tons)

Destination	1932				1933			
	Run-of-mine	Screened	Slack	Total	Run-of-mine	Screened	Slack	Total
British Columbia.....	12,606	510,536	121,047	644,189	16,462	510,615	84,310	626,325
Alberta.....	3,801	116	7,314	11,231	1,714	110	4,097	5,911
Saskatchewan.....	7,480	1,304	46,209	54,993	5,791	281	13,502	19,574
Manitoba.....	4,170	2,410	47,555	54,135	3,638	1,653	66,655	71,916
Ontario.....	.....	.....	.....	.....	272	137	.....	405
United States.....	875	22,302	17,765	40,942	480	8,750	9,080	18,316
Alaska.....	.....	14,779	.....	14,779	.....	14,249	.....	14,429
Railroads for locomotive use:	.....	.....	.....	.....	.....	.....	.....	.....
(a) In Canada.....	324,338	148,875	10,671	483,881	264,482	135,468	4,496	461,446
(b) In the United States.....	.....	.....	.....	.....	10,558	.....	.....	10,558
Bunker.....	.....	116,419	.....	116,419	.....	70,894	.....	70,894
Total.....	353,270	\$16,741	250,501	1,420,572	303,397	751,163	182,146	1,235,706

Table 134.—Exports of Canadian Coal through British Columbia Ports, 1929-1933
(Short tons)

Port	1929	1930	1931	1932	1933
Abbotsford.....	367	278	218	77	.....
Cranbrook.....	65,697	65,287	51,816	48,389	35,430
Fernie.....	235,186	60,732	27,073	9,329	2,641
Grand Forks.....	10	45	.....	.....	.....
Nanaimo.....	155,130	111,468	67,971	62,273	42,679
New Westminster.....	451	153	2	160	195
Penticton.....	1,292	1,189	817	287	143
Prince Rupert.....	103	414	164	77	71
Vancouver.....	54	.....	48	284	203
Victoria.....	.....	.....	.....	.....	.....
Total.....	458,290	239,566	148,109	120,876	81,362

Table 135.—Imports into British Columbia of Anthracite, Bituminous and Lignite Coal, by Ports of Entry, 1932 and 1933

(Short tons)

Port	Source	1932				1933					
		Anthracite	Lignite	Bituminous, all grades	Total	Anthracite				Lignite	Bituminous, all grades
						Grate, egg, stove, nut and pea	Screen- ings or dust	N.O.P.	Total		
Abbotsford.....	U.S.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cranbrook.....	U.S.....	.....	.....	.....	.....	.....	.....	.....	.....	297	1 298
Fernie.....	U.S.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Grand Forks.....	U.S.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Greenwood.....	U.S.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Nanaimo.....	U.S.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Nelson.....	U.S.....	137	55	192	.....	.....	.....	.....	.....	73	90 163
New Westminster.....	U.S.....	74	32	106	.....	.....	.....	.....	.....	384	38 422
Penticton.....	U.S.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Prince Rupert.....	U.S.....	.....	.....	.....	1,471	1,471	.....	1	1	5,957	5,958
Revelstoke.....	Alaska.....	.....	.....	.....	.....	.....	.....	2	2	.....	2
Vancouver.....	U.S.....	2,620	689	3,309	.....	.....	.....	1	1	1,344	911 2,256
	G.B.....	.....	1,154	1,154	.....	.....	.....	3,504	3,504	.....	16,976 20,489
	French.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	E. Ind.....	700	.....	700	.....	.....	.....	6	6	.....	6
	China.....	.....	.....	.....	.....	.....	.....	.....	.....	131	131
Victoria.....	U.S.....	.....	115	115	.....	.....	.....	143	143	1,874	2,017
	G.B.....	2	.....	2	.....	.....	.....	143	143	.....	.....
Total.....	U.S.....	2,831	2,424	5,255	.....	.....	2	2	2,098	7,220	9,320
	G.B.....	2	1,154	1,156	.....	.....	3,617	3,617	.....	18,856	22,497
	French.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	E. Ind.....	700	.....	700	.....	.....	6	6	.....	.....	6
	China.....	.....	.....	.....	.....	.....	6	6	.....	.....	2
	Alaska.....	.....	.....	.....	.....	.....	2	2	.....	.....	.....
Grand total.....	.....	702	2,831	3,578	7,111	.....	.....	3,657	3,657	2,098	26,070 31,825

Table 136.—Summary Statistics for 1933—Output, Exports, Interprovincial Shipments, Imports and Coal made Available for Consumption in British Columbia, by Months and by Kinds

(Short tons)

Month	Canadian Coal				Im- ported from United States	Im- ported from Great Britain	Im- ported from China	Im- ported from Alaska	Coal available for con- sumption
	Output	Received from other provinces	Shipped to other provinces	Ex- ported					
January—									
Anthracite.....	123,596	536	12,417	12,130	30	1	7,393		107,000
Bituminous.....		4,717							4,717
Sub-bituminous.....		7,302		972		361			6,691
Lignite.....									
Total.....	123,596	12,555	12,417	13,102	392	7,393			118,417
February—									
Bituminous.....	123,959	865	9,886	10,412	1,961	2,244			113,737
Sub-bituminous.....		4,121							4,121
Lignite.....		8,265		1,521		452			7,190
Total.....	123,959	13,251	9,886	11,933	2,413	2,244			125,048
March—									
Bituminous.....	111,615	351	7,542	8,073	1,561	380			98,295
Sub-bituminous.....		1,672							1,672
Lignite.....		3,896		553					3,342
Total.....	111,615	5,919	7,542	8,626	1,561	380			103,307
April—									
Anthracite.....									
Bituminous.....	96,316	34	5,167	3,975	538		646		646
Sub-bituminous.....		831							831
Lignite.....		1,252							1,252
Total.....	96,316	2,117	5,167	3,975	538	646			90,477
May—									
Anthracite.....									
Bituminous.....	81,988	775	4,078	3,682	1,669		6		76,672
Sub-bituminous.....		558							558
Lignite.....		1,152		47					1,105
Total.....	81,988	2,485	4,078	3,729	1,669		6		78,341
June—									
Anthracite.....									
Bituminous.....	85,218	1,173	3,145	3,761	687				80,172
Sub-bituminous.....		372							372
Lignite.....		979				45			1,024
Total.....	85,218	2,524	3,145	3,761	732				81,568
July—									
Anthracite.....									
Bituminous.....	92,485	671	3,320	3,841	116				86,111
Sub-bituminous.....		1,239							1,239
Lignite.....		1,422				54			1,470
Total.....	92,485	3,332	3,320	3,841	170				88,826
August—									
Bituminous.....	126,280	1,366	5,503	3,841	210				118,512
Sub-bituminous.....		1,528							1,528
Lignite.....		2,705							2,705
Total.....	126,280	5,599	5,503	3,841	210				122,748
September—									
Anthracite.....									
Bituminous.....	112,632	1,644	7,472	6,788	128	1	2,798	2	2,801
Sub-bituminous.....		3,377							100,144
Lignite.....		9,030		305		78			3,377
Total.....	112,632	14,051	7,472	7,093	207	2,798		2	8,803
October—									
Anthracite.....									
Bituminous.....	139,658	1,838	13,142	8,757	216		182		132
Sub-bituminous.....		4,378							119,813
Lignite.....		10,420		672		143			4,378
Total.....	139,658	16,636	13,142	9,429	359	182			9,891

Table 136.—Summary Statistics for 1933—Output, Exports, Interprovincial Shipments, Imports and Coal made Available for Consumption in British Columbia, by Months and by Kinds—Concluded

(Short tons)

Month	Canadian coal				Im- ported from United States	Im- ported from Great Britain	Im- ported from China	Im- ported from Alaska	Coal available for con- sumption
	Output	Received from other provinces	Shipped to other provinces	Ex- ported					
November—									
Anthracite.....						21			21
Bituminous.....	137,642	5,659	10,216	6,888	11	7,132			134,340
Sub-bituminous.....		4,145							4,145
Lignite.....		7,795		1,169	499				7,125
Total.....	137,642	17,599	10,216	7,057	510	7,153			145,631
December—									
Anthracite.....									
Bituminous.....	145,883	4,811	15,962	4,147	93	1,701			132,378
Sub-bituminous.....		6,097							6,097
Lignite.....		8,747		828	466				9,385
Total.....	145,883	20,655	15,962	4,875	559	1,701			147,861
Total—									
Anthracite.....						2	3,647	6	2 3,657
Bituminous.....	1,382,272	19,723	97,850	75,295	7,220	18,850			1,254,928
Sub-bituminous.....		33,035							33,035
Lignite.....		63,965		6,067	2,098				59,996
Total.....	1,382,272	116,723	97,850	81,362	9,320	22,497	6	2	1,351,668

Table 137.—Employees, Salaries and Wages in the Coal Mines of British Columbia, by Districts, 1932 and 1933

District	Average number of employees					Salaries and wages		
	Salaried employees		Wage-earners		Total	Salaries		Wages
	Male	Female	Surface	Under- ground				Total
1932								
Crow's Nest Pass.....	82	5	248	879	1,214	198,591	1,080,690	1,279,280
Inland.....	30	4	173	342	549	71,493	564,884	636,377
Island.....	105	8	615	1,427	2,155	257,069	2,126,479	2,383,548
British Columbia.....	217	17	1,036	2,648	3,918	527,153	3,772,062	4,299,215
1933								
Crow's Nest Pass.....	74	5	176	536	791	174,824	706,233	881,057
Inland.....	27	4	168	320	519	57,065	483,841	540,906
Island.....	105	9	581	1,269	1,964	226,108	1,096,290	1,322,398
British Columbia.....	206	18	925	2,125	3,274	457,997	2,886,384	3,344,361

Table 138.—Employment and Earnings in the Coal Mines of British Columbia, 1929-1933

	1929	1930	1931	1932	1933
Average number of wage-earners—					
Surface.....	1,385	1,270	1,094	1,036	925
Underground.....	3,406	3,093	2,796	2,648	2,125
Total.....	4,791	4,363	3,890	3,684	3,050
Days' work done—					
Surface.....	395,045	333,856	276,698	255,509	210,503
Underground.....	842,584	677,634	571,075	524,968	406,007
Total.....	1,237,629	1,011,490	847,773	780,567	616,510
Average number of days worked per man per year—					
Surface.....	285	263	253	247	228
Underground.....	247	219	204	198	191
By all wage-earners.....	268	232	218	212	202
Total wages paid.....	\$ 6,094,389	\$ 5,097,632	\$ 4,190,889	\$ 3,772,062	\$ 2,886,364

Table 139.—Wage-Earners Employed, and Work Done by Months in the Coal Mines of British Columbia in 1933

Month	Number of wage-earners			Days' work done		
	Surface	Under-ground	Total	Surface	Under-ground	Total
January.....	1,006	2,538	3,544	18,985	38,117	57,102
February.....	995	2,433	3,428	19,828	40,850	60,728
March.....	976	2,387	3,363	18,211	34,613	52,824
April.....	878	1,970	2,848	16,217	30,302	46,519
May.....	872	1,952	2,824	15,354	27,728	43,482
June.....	887	1,913	2,800	16,006	26,072	42,078
July.....	887	1,939	2,826	14,544	24,786	39,330
August.....	801	1,914	2,805	17,275	33,861	51,136
September.....	907	2,008	2,915	16,409	31,460	47,878
October.....	928	2,100	3,037	18,486	38,526	57,012
November.....	940	2,185	3,135	18,140	38,494	56,634
December.....	938	2,139	3,077	21,048	41,080	63,127
Total.....				210,503	406,007	616,510

Table 140.—Number of Man-Days Worked in British Columbia, by Districts, 1932 and 1933

District	1932			1933		
	Surface	Under-ground	Total	Surface	Under-ground	Total
Crow's Nest Pass.....	46,253	135,419	181,672	37,500	92,354	129,854
Inland.....	47,037	71,425	118,462	42,855	64,091	107,546
Island.....	162,309	318,124	480,433	130,148	248,962	379,110
Total.....	255,599	524,268	780,567	210,503	406,007	616,510

Table 141.—Wage-Earners in British Columbia Coal Mines, by Classes, 1932 and 1933

Classification	1932			1933		
	Surface	Under-ground	Total	Surface	Under-ground	Total
Administration.....	19	1	20	12	.....	12
Foremen and clerks.....	98	132	230	84	104	188
Officials.....	127	.....	127	117	.....	117
Screwpromen and loaders.....	1,150	1,150	.....	813	813	.....
Hand cutters and helpers.....	93	93	.....	115	115	.....
Machine cutters.....	143	143	.....	184	184	.....
Machine loaders and helpers.....	6	6	.....	8	8	.....
Chute loaders.....	7	239	246	8	184	192
Horse haulage employees.....	14	249	263	16	229	245
Mechanical haulage employees.....	2	54	56	1	39	40
Ventilation employees.....	10	138	148	10	100	110
Roadmakers.....	.....	27	27	.....	18	18
Timberman.....	64	64	63	.....	63	.....
Pumpmen.....	41	41	38	.....	38	.....
Engineers.....	48	3	51	38	.....	38
Firsmen.....	50	.....	50	39	.....	39
Carpenters and masons.....	103	9	112	98	14	112
Other mechanics.....	329	250	579	290	286	576
All other white employees.....	1	54	55	1	8	9
Japanese.....	123	70	193	110	3	113
Chinese.....	.....	1	1	.....	.....	.....
Indians.....	.....	.....	.....	.....	.....	.....
Total.....	1,036	2,648	3,684	925	2,125	3,050

Table 142.—Capital Employed in the Coal Mines of British Columbia, 1932 and 1933

	1932	1933
	\$	\$
Capital employed as represented by—		
Cost of lands, buildings, machinery and tools.....	21,225,502	19,348,706
Cost of supplies and stock on hand.....	649,393	516,109
Cash, trading and operating accounts and bills receivable.....	2,474,969	2,316,949
Total.....	21,349,861	22,171,764

CHAPTER ELEVEN

YUKON

The Five Finger mine near Carmacks, Yukon Territory, produced 862 tons of coal in 1933 as compared with 808 tons in the preceding year. Of the total tonnage produced in 1933 shipments to other Yukon points accounted for 328 tons while employees received 4 tons and 22 tons were used under colliery boilers. Seven tons of United States coal were cleared through the White Horse customs port during the year.

Table 143.—Output of Coal from Yukon Mines, 1901-1933
(Short tons)

Calendar year	Short tons	Value	Calendar year	Short tons	Value	Calendar year	Short tons	Value
		\$			\$			\$
1901.....(a)	5,864	86,230	1911.....	2,840	12,780	1922.....	465	4,650
1902.....	4,910	37,250	1912.....	9,245	44,958	1923.....	313	1,485
1903.....	1,849	29,553	1913.....	19,722	95,945	1924.....	1,121	8,265
1904.....	7,000	21,000	1914.....	13,443	53,760	1925.....	730	7,147
1905.....	7,000	28,000	1915.....	9,724	38,896	1926.....	316	800
1906.....	6,000	60,000	1916.....	3,300	13,206	1927.....	414	2,052
1907.....	15,000	60,000	1917.....	4,872	129,232	1928.....	414	2,915
1908.....	3,847	21,158	1918.....	2,900	11,600	1929.....	458	1,848
1909.....	7,394	49,502	1919.....	.....	.....	1930.....	653	3,110
1910.....	16,185	110,925	*1920.....	.....	.....	*1931.....	904	5,039
			*1921.....	233	2,472	*1932.....	808	3,491
						*1933.....	862	3,670
						Total.....	142,756	790,994

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

† Value not reported, but estimated.

*For the years 1919-1933 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, 1932 and 1933
(Short tons)

Disposition	1932				1933					
	Run of mine	Screened	Slack	Total		Run of mine	Screened	Slack	Total	
				Quantity	Value				Quantity	Value
Supplied to employees for domestic consumption					\$					\$
Shipped (all to Yukon points).....	341	8	8	341	3,410	328	4	4	328	3,280
Used under colliery boilers, etc.		19	19				22	22		78
Put on bank.....				440			30		30	300
Put on waste heap.....								478		
Total disposition.....	341	27	808	3,491		358	26	862		3,670

Table 145.—Imports of Coal into Yukon and Exports of Canadian Coal through Yukon Ports, 1929-1933
(Short tons)

	1929	1930	1931	1932	1933
IMPORTS—					
Dawson.....					
White Horse.....	67	7	10	4	7
Total.....	67	7	10	4	7
EXPORTS—					
Dawson.....					
White Horse.....					
Total.....					

Table 146.—Summary Statistics for 1933—Output, Exports, Interprovincial Shipments, Imports and Coal made Available for Consumption in Yukon, by Months and by Kinds

(Short tons)

Month	Canadian coal				Imported from U.S.A.	Coal available for consumption
	Output	Received from other provinces	Shipped to other provinces	Exported		
May— Bituminous.....	90	.....	.....	.....	5	95
June— Bituminous.....	229	.....	.....	.....	.....	229
July— Bituminous.....	280	.....	.....	.....	.....	280
August— Bituminous.....	263	.....	.....	.....	.....	263
October— Bituminous.....	.....	.....	.....	.....	2	2
Total—Bituminous.....	863	.....	.....	.....	7	863

Table 147.—Employment and Earnings in the Coal Mines of Yukon, 1929-1933

—	1929	1930	1931	1932	1933
Average number of wage-earners—					
Surface.....	1	1	1	1	2
Underground.....	2	2	2	2	2
Total.....	3	3	3	3	4
Days' work done—					
Surface.....	102	102	58	103	98
Underground.....	204	204	106	179	104
Total.....	306	306	164	282	202
Average number of days worked per man per year—					
Surface.....	102	102	58	103	49
Underground.....	102	102	53	90	52
By all wage-earners.....	102	102	55	94	51
Total wages paid.....	\$ 1,200	\$ 2,221	\$ 984	\$ 2,425	\$ 2,500

Table 148.—Wage-Earners Employed and Work Done by Months in the Yukon Coal Mines in 1933

Month	Number of employees			Days' work done		
	Surface	Under ground	Total	Surface	Under ground	Total
May.....	1	2	3	6	12	18
June.....	2	2	4	24	24	48
July.....	2	2	4	28	28	56
August.....	2	2	4	40	40	80
Total.....				98	104	202

Table 149.—Capital Employed in the Coal Mines of Yukon, 1932 and 1933

—	1932	1933
Capital employed as represented by—	\$	\$
Cost of lands, buildings, machinery and tools.....	203,000	203,000
Cost of supplies and stock on hand.....	.....	.....
Cash, trading and operating accounts and bills receivable.....	.....	.....
Total.....	203,000	203,000

CHAPTER TWELVE

WORLD PRODUCTION OF COAL

The world output of coal in 1933 was estimated at 1,135,454,000 long tons, an advance of 2.3 per cent over the 1932 total of 1,110,000,000 long tons.

A 0.9 per cent decline was recorded in Great Britain's production; the 1933 output was 206,929,000 long tons and the total for the preceding year, 208,733,140 long tons. The United States production of coal increased 6.1 per cent in 1933 to 336,814,000 long tons. Germany produced 232,912,000 long tons as compared with 223,795,905 long tons in 1932. The Russian output declined 10.1 per cent to 58,249,000 long tons. Coal production in France was slightly above the 1932 level, on the other hand, Czechoslovakia's output decreased 15 per cent. Canadian coal mines recorded a 1.4 per cent increase in 1933.

Table 150.—World Production of Coal* 1929-1933

(Including brown coal)

(Long tons)

Country	1929	1930	1931	1932	1933
BRITISH EMPIRE					
Great Britain—					
Anthracite.....	6,304,036	6,400,705	5,829,175	6,616,972	206,929,000
Bituminous.....	251,542,766	237,481,119	213,629,776	202,116,168	
Lignite.....	322				
Irish Free State—					
Anthracite.....	67,734	†	73,393	†	†
Semi-bituminous.....	17,453	†	18,347	†	†
Nigeria (b).....	344,937	347,842	327,681	252,485	†
Southern Rhodesia.....	1,020,446	923,915	577,983	431,183	476,000
Union of South Africa.....	12,812,790	12,029,529	10,709,114	9,764,425	10,542,000
Canada—					
Bituminous.....	11,481,984	9,665,035	7,911,929	6,887,749	7,124,360
Sub-bituminous.....	597,055	538,712	420,842	500,805	494,748
Lignite.....	3,542,887	3,083,149	2,598,668	3,092,618	3,008,878
British Borneo—					
State of North Borneo.....	58,339	58,491	28,926	.....	†
Sarawak.....	13,610	14,680	18,213	†	†
Federated Malay States.....	661,514	565,573	402,355	277,848	†
India—					
Gondwana Coalfields.....	23,001,586	23,342,372	21,331,672	19,814,524	19,679,000
Tertiary Coalfields.....	417,148	460,676	384,563	338,863	
Australia—					
Bituminous.....	10,365,319	9,531,359	8,401,260	8,544,000	
Lignite.....	1,741,176	1,831,507	2,194,453	2,613,000	(a) 7,045,000
New Zealand—					
Bituminous.....	1,367,164	1,382,875	970,636	928,234	†
Brown coal.....	1,049,663	1,046,877	1,069,719	806,397	†
Lignite.....	119,097	112,540	108,371	107,391	†
Total British Empire.....	327,000,000	309,000,000	277,000,000	263,000,000	.....
FOREIGN COUNTRIES					
Albania—					
Lignite.....	†	4,215	3,109	†	†
Austria—					
Bituminous.....	204,735	212,478	224,541	217,819	†
Brown coal.....	3,469,123	3,014,065	2,934,978	3,055,021	†
Belgium—					
Anthracite and semi-anthracite.....	5,826,029	5,710,956	5,865,655	21,075,313	24,872,000
Bituminous.....	20,688,421	21,270,706	20,749,689		
Bulgaria—					
Anthracite.....	2,479	2,303	6,117	†	†
Bituminous.....	75,130	67,233	78,161	†	†
Brown coal.....	1,548,121	1,498,345	1,414,217	†	†
Czechoslovakia—					
Bituminous.....	16,260,524	14,207,021	12,895,773	13,034,000	10,469,000
Brown coal.....	22,204,480	18,890,532	17,648,430	16,792,000	14,882,000
France—					
Star.....	13,364,882	13,026,730	11,187,485	10,273,195	10,394,000
Other districts—					
Anthracite and bituminous.....	52,930,400	53,048,640	50,256,326	45,535,513	47,170,000
Lignite.....	1,178,329	1,124,685	1,023,591	975,695	
Germany—					
Bituminous.....	160,859,314	140,444,006	110,766,357	103,086,309	108,154,000
Lignite.....	171,700,057	143,704,018	131,205,263	120,709,596	124,758,000
Greece—					
Lignite.....	154,054	127,576	103,546	†	†
Hungary—					
Bituminous.....	813,220	798,731	764,150	880,674	826,000
Brown coal.....	6,059,925	5,746,580	5,650,352	5,395,004	5,529,000
Lignite.....	272,765	332,348	304,451	442,726	

Table 150.—World Production of Coal* 1929-1933—Concluded

(Including brown coal)

(Long tons)

Country	1929	1930	1931	1932	1933
Italy—					
Anthracite.....	14,007	19,530	15,331	47,004	†
Bituminous.....	205,813	207,946	216,640	204,390	†
Brown coal.....	769,694	567,750	358,730	370,107	†
Jugoslavia—					
Bituminous.....	435,131	360,430	426,740	3,480,533	†
Brown coal.....	4,326,603	3,748,858	3,465,459	1,097,503	†
Lignite.....	1,036,945	1,077,869	1,022,048	1,097,503	†
Netherlands—					
Bituminous.....	11,398,293	12,018,229	12,697,631	12,554,978	12,372,000
Brown coal.....	154,095	141,873	120,269	122,115	
Poland—					
Bituminous.....	45,505,863	36,914,003	37,660,667	28,379,163	26,861,000
Brown coal.....	73,147	54,000	38,800	32,900	
Portugal—					
Anthracite.....	175,864	183,471	223,475	187,632	†
Bituminous.....	18,098	27,345	†	49,753	†
Brown coal.....	28,880	33,928	†	16,043	†
Roumania—					
Anthracite.....				12,052	†
Bituminous.....	365,088	294,105	282,005	172,992	†
Lignite.....	2,632,831	2,058,348	1,606,088	1,440,807	†
Russia—					
Anthracite.....					
Bituminous—					
European.....	40,711,700	47,635,600	56,804,500	64,770,000	58,249,000
Asiatic.....					
Brown coal.....					
Spain—					
Anthracite.....	491,851	515,306	516,402	539,110	5,638,000
Bituminous.....	6,504,199	6,492,054	6,462,526	6,206,607	
Brown coal.....	432,018	381,904	336,073	330,981	279,000
Spitzebergen and Bear Island.....	247,218	185,413	239,267	250,000	†
Sweden.....	388,737	391,675	337,777	327,816	†
Switzerland.....		4,000	4,000	4,000	†
Algeria.....	15,873	16,922	25,188	24,584	†
Belgian Congo.....	112,642	131,700	84,359	17,000	†
Madagascar.....	25				†
Morocco (French) —					
Anthracite.....		965	5,574	14,724	†
Mozambique.....	†	†	†	19,430	†
Greenland.....	3,500	4,700	4,630	†	†
Mexico.....	1,043,277	1,273,818	907,723	642,314	†
United States—					
Anthracite.....	65,918,031	61,950,747	53,255,040	44,500,000	44,004,000
Bituminous (c).....	477,668,387	417,434,196	341,151,246	272,917,000	292,720,000
Brazil.....	167,251	359,673	454,061	450,000	†
Chile.....	1,484,031	1,419,367	1,090,100	1,068,100	†
Colombia (estimated).....	100,000	200,000	200,000	200,000	†
Peru.....	217,120	196,855	176,000	†	†
Venezuela (c).....	16,593	12,360	3,000	†	†
China (d).....	25,437,000	26,037,000	27,245,000	26,985,000	†
Dutch East Indies.....	1,802,811	1,811,278	1,382,223	1,033,639	†
Fernando.....	1,505,800	1,573,478	1,399,093	†	†
French Indo-China—					
Anthracite.....	1,872,373	1,860,000	1,647,000	1,642,000	†
Bituminous.....	38,277	47,000	30,000	23,000	†
Brown coal.....	30,228	28,000	22,000	23,000	†
Japan—					
Semi-anthracite.....	33,716,762	30,880,669	27,545,251	27,610,311	†
Bituminous.....	137,000	126,593	115,881	106,818	†
Karsafuto.....	625,478	634,788	627,886	666,601	†
Korea—					
Anthracite.....	529,744				
Bituminous.....	393,345	870,174	904,000	†	†
Philippine Islands.....	17,047	20,423	18,668	†	†
Turkey in Asia—					
Bituminous.....	1,399,565	1,569,966	1,549,230	1,494,741	†
Lignite.....	11,375	8,043	7,651	13,345	†
New Caledonia.....	21,000	9,517	†	†	†
Total Foreign countries.....	1,210,000,000	1,080,000,000	960,600,000	850,000,000	.....
Grand Total.....	1,549,000,000	1,399,000,000	1,240,000,000	1,110,000,000	1,135,451,000

* Data for 1929-1932 obtained from *The Mineral Industry of the British Empire and Foreign Countries*; data for 1933 from a preliminary report issued by the United States Bureau of Mines, Washington, D. C.

† Information not available.

(a) New South Wales only.

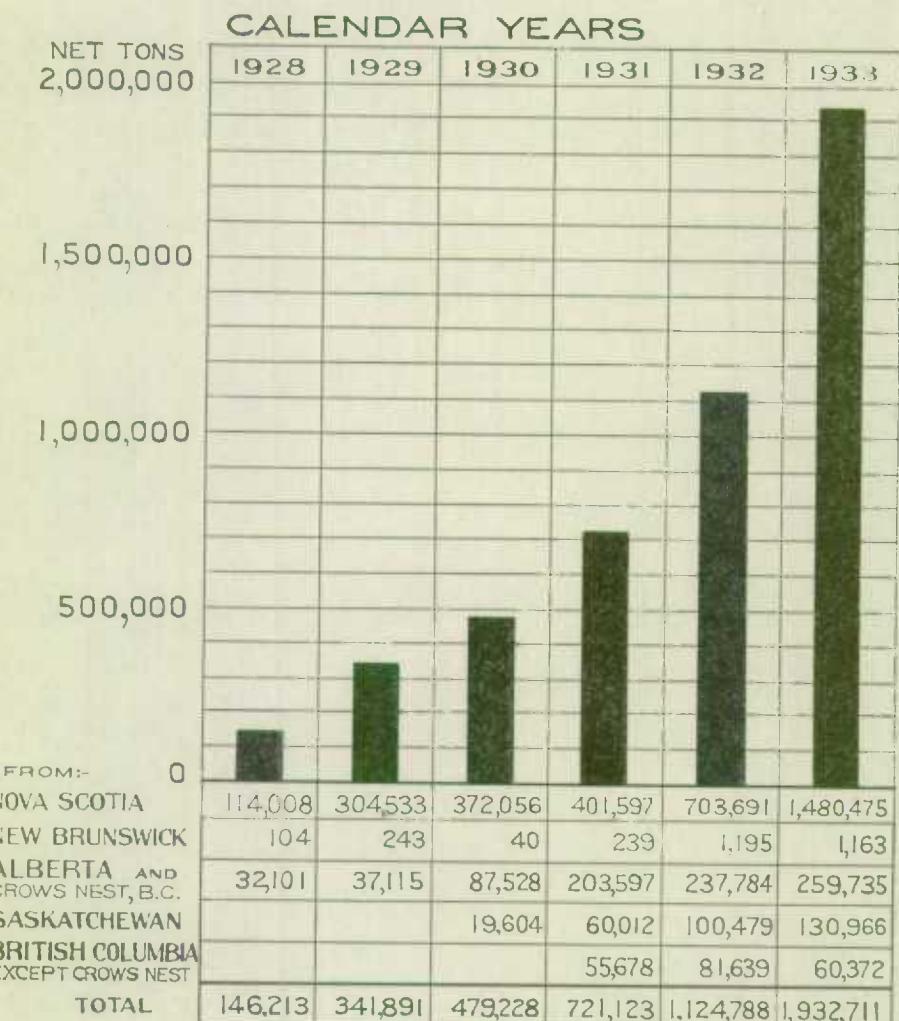
(b) Years ended 31st March of the year following that stated.

(c) Including lignite.

(d) Approximate production.

(e) Exports.

**CANADIAN COAL
MOVED
UNDER ASSISTED RATES
1928 - 1933**



Prepared by the Dominion Fuel Board

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 of 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. 1048 (*Superseded by P.C. 1119—May 14, 1934*)

The Committee of the Privy Council have had before them a Report, dated 28th April, 1932, from the Minister of Mines, submitting that movements of coal from the Maritime Provinces authorized by certain Orders in Council have demonstrated that these coals can with limited assistance secure considerable markets at points in the Provinces of Quebec and Ontario where under existing conditions such coals are at a disadvantage in competing with imported coals. The Minister also observes that a serious condition of unemployment prevails in the coal mining industry of the Maritime Provinces because of a reduction in the markets for the coal that the industry is capable of producing.

The Committee, therefore, on the recommendation of the Minister of Mines, advise—in order to enable coals from the Maritime Provinces to compete to a greater extent in the areas aforementioned—

- (1) That movements of coal mined in the Maritime Provinces and shipped to points in Ontario and Quebec be assisted by payments out of such sums as may be provided by Parliament from year to year for the purpose.
- (2) That with respect to coal mined in the Province of Nova Scotia and carried by water transportation to St. Lawrence ports and thence transhipped by the railways to points in the Province of Quebec for use by consumers other than the railways, the assistance granted for such shipments shall be by the reduction of one-fifth of one cent per ton per mile from the existing rail rates; provided that the amount of said reduction shall in no instance exceed 75 cents per net ton, the amount of said reduction being payable to the railways.
- (3) That with respect to coal mined in the Province of Nova Scotia and carried by water transportation to St. Lawrence ports and thence transhipped by the railways to points in the Province of Ontario for use by consumers other than the railways, the assistance granted for such shipments shall be by the reduction of one-third of one cent per ton per mile from the existing rail rates; provided that the amount of said reduction shall in no instance exceed \$1.50 per net ton, the amount of said reduction being payable to the railways.
- (4) That with respect to coal mined in the Province of Nova Scotia and transported wholly by rail to points in the Provinces of Quebec and Ontario, for use by consumers other than the railways the assistance granted shall be by payments to the railways of one-seventh of one cent per ton per mile from the existing rail rates; provided that the assistance shall in no instance exceed \$2.00 per ton, and shall be effective only from November 15th, to April 13th in each year of the assisted coal movement herein authorized.
- (5) That with respect to coal mined in the Maritime Provinces and carried by water transportation to any point situated west of the Island of Montreal, the assistance granted shall be the sum of \$1.00 per net ton payable to the coal mine operators or distributors of the said coal.
- (6) That with respect to coal mined in the Maritime Provinces and carried by water transportation to any point situated west of the Island of Montreal under the assistance provided by Section (5) hereof, and thence transhipped by the railways to points in the Province of Ontario situated west of the City of Kingston for use by consumers other than the railways, the assistance granted shall be by the reduction of one-third of one cent per ton per mile from the existing rail rates; provided that the amount of said reduction shall in no instance exceed \$1.00 per net ton, the amount of said reduction being payable to the railways.

- (7) That with respect to coal mined in the Maritime Provinces and purchased by railway companies for their own use at points in the Provinces of Quebec and Ontario payments shall be made to the coal mine operators or coal distributors of the difference in amount per net ton between the laid-down cost to the railways of coal mined in the Maritime Provinces and the laid-down cost at the same points of imported coal that would otherwise be used, up to a maximum of \$2.00 per net ton: Provided that
- for the purpose of this Order in Council the said difference of laid-down cost shall be determined by the Dominion Fuel Board.
 - the assistance shall apply only on that quantity of Canadian coal purchased by the railway companies in excess of the quantity of Canadian coal purchased during the year 1931.
- (8) That the assistance shall apply only on movements of coal to points where the Canadian coal to be used is at a disadvantage in competing with foreign coal.
- (9) That the assistance shall apply only on shipments of coal from coal mines or coal properties which were in operation and shipping prior to December 31, 1930.
- (10) That the assistance shall not apply on shipments of less than carload lots.
- (11) That the assistance shall not be granted to those participating who refuse or fail to furnish such information as the Minister of Mines may consider necessary in the administrative duties connected with this movement; and that for the purpose of certifying such information the Minister of Mines or such officers of the Dominion Fuel Board as he may designate shall have free access to all books, records or accounts kept by shippers or the railways in connection with this movement and make such examination thereof as may be considered necessary or expedient.
- (12) That the Minister of Mines reserves the right of refusing approval in each and every application for assistance under this authority.
- (13) That the Dominion Fuel Board be charged with the duty of administering this Order in Council and be required to report to the Minister of Mines as to the amounts paid under this Order in Council each year during the said period.
- (14) That Order in Council P.C. 1300 of May 30, 1931, be hereby rescinded but that shipments shall be continued on acceptances that were granted under authority thereof until the tonnages authorized have been shipped.

P.C. 415 (*Superseded by P.C. 1119—May 14, 1934*)

The Committee of the Privy Council have had before them a report, dated February 24, 1934, from the Minister of Mines, submitting that Section (5) of Order in Council, P.C. 1048 of May 9, 1932, reads as follows:—

- (5) "That with respect to coal mined in the Maritime Provinces and carried by water transportation to any point situated west of the Island of Montreal, the assistance granted shall be the sum of \$1.00 per net ton payable to the coal mine operators or distributors of the said coal."

The committee, on the recommendation of the Minister of Mines, advise that the provisions of the said Section (5) be rescinded, and the following substituted in lieu thereof:—

- "That with respect to coal mined in the Maritime Provinces and carried by water transportation to any point situated west of the Island of Montreal, the assistance granted shall be the sum of one dollar per net ton payable to the coal mine operators or distributors of the said coal: provided that in no case shall the assistance exceed that provided by rail transportation under sections (2) and (3) of the said Order in Council."

P.C. 1676 (*Superseded by P.C. 1119—May 14, 1934*)

The Committee of the Privy Council have had before them a report, dated 14th July, 1932, from the Minister of Mines, submitting that Section (4) of Order in Council of 9th May, 1932, reads as follows:—

- (4) "That with respect to coal mined in the Province of Nova Scotia and transported wholly by rail to points in the Provinces of Quebec and Ontario, for use by consumers other than the railways the assistance granted shall be by payments to the railways of one-seventh of one cent per ton per mile from the existing rail rates: provided that the assistance shall in no instance exceed \$2.00 per ton, and shall be effective only from November 15th, to April 15th in each year of the assisted coal movement herein authorized."

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

- That with respect to coal mined in the Province of Nova Scotia and transported wholly by rail to points in the Provinces of Quebec and Ontario, for use by consumers other than the railways the assistance granted shall be by payments to the railways of one-seventh of one cent per ton per mile from the existing rail rates: provided that the assistance shall in no instance exceed \$2.00 per ton.

P.C. 2563 (*Superseded by P.C. 1119—May 14, 1934*)

The Committee of the Privy Council have had before them a report, dated 16th November, 1932, from the Minister of Mines, submitting that subsection (b) of section 7 of Order in Council of 9th May, 1932—P.C. 1048—with reference to movements of coal from the Maritime Provinces to points in Ontario and Quebec—reads as follows:—

- (b) The assistance shall apply only on that quantity of Canadian coal purchased by the railway companies in excess of the quantity of Canadian coal purchased during the year 1931.

The Committee, on the recommendation of the Minister of Mines, advise that the provisions of the said subsection (b) of section 7 be rescinded.

P.C. 604 (*Superseded by P.C. 1119—May 14, 1934*)

The Committee of the Privy Council have had before them a report, dated 25th March, 1933, from the Minister of Mines, with reference to an Order in Council, P.C. 1048 of the 9th May, 1932, Section (7) of which reads as follows:—

- "That with respect to coal mined in the Maritime Provinces and purchased by railway companies for their own use at points in the Provinces of Quebec and Ontario, payments shall be made to the coal mine operators or coal distributors of the difference in amount per net ton between the laid-down cost to the railways of coal mined in the Maritime Provinces and the laid-down cost at the same points of imported coal that would otherwise be used, up to a maximum of \$2.00 per net ton."

The Committee, on the recommendation of the Minister of Mines, advise that the provisions of said Section (7) be rescinded and the following substituted in lieu thereof:—

- "That with respect to coal mined in the Maritime Provinces and purchased by railway companies for their own use at points in the Provinces of Quebec and Ontario, payments shall be made to the coal mine operators or coal distributors of the difference in amount per net ton between the laid-down cost to the railways of coal mined in the Maritime Provinces and the laid-down cost at the same points of imported coal that would otherwise be used, up to a maximum of \$2.50 per net ton."

P.C. 1119

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

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

- (1) Movements of coal mined in the Maritime Provinces and shipped to points in the Provinces of Ontario and Quebec be assisted by payments out of such sums as may be provided by Parliament from year to year for that purpose.
- (2) That with respect to coal mined in the Province of Nova Scotia and carried by water transportation to St. Lawrence ports and thence transhipped by the railways to points in the Province of Quebec for use by consumers other than the railways and as hereinafter excepted, the assistance granted for such transhipments shall be by the reduction of one-fifth of one cent per ton per mile from the existing rail rates, provided that the amount of said reduction shall in no instance exceed 75c. per net ton, the amount of said reduction being payable to the railways.
- (3) That with respect to coal mined in the Province of Nova Scotia and carried by water transportation to St. Lawrence ports and thence transhipped by the railways to points in the Province of Ontario and to the City of Hull in the Province of Quebec for use by consumers other than the railways, the assistance granted for such transhipments shall be by the reduction of one-third of one cent per ton per mile from the existing rail rates provided that the amount of said reduction shall in no instance exceed \$1.50 per net ton, the amount of said reduction being payable to the railways.
- (4) That with respect to coal mined in the Province of Nova Scotia and transported wholly by rail to points in the Provinces of Quebec and Ontario for use by consumers other than the railways, the assistance granted shall be by payments to the railways of one-seventh of one cent per ton per mile from the existing rail rates, provided that the assistance shall in no instance exceed \$2 per net ton.
- (5) That with respect to coal mined in the Maritime Provinces and carried by water transportation to any point situated west of the Island of Montreal the assistance granted shall be the sum of \$1 per net ton payable to the coal mine operators or distributors of the said coal, provided that in no instance shall the assistance exceed that provided by railway transportation under sections (2) and (3) of this Order in Council.
- (6) That with respect to coal mined in the Maritime Provinces and carried by water transportation to any point situated west of the Island of Montreal under the assistance provided by section (5) hereof, and thence transhipped by the railways to points in the Province of Ontario situated west of the City of Kingston for use by consumers other than the railways, the assistance granted shall be by the reduction of one-third of one cent per ton per mile from the existing rail rates, provided that the amount of said reduction shall in no instance exceed \$1 per net ton, the amount of said reduction being payable to the railways.
- (7) That with respect to coal mined in the Maritime Provinces and purchased by railway companies for their own use at points in the Provinces of Quebec and Ontario, payments shall be made to the coal mine operators or coal distributors of the difference in amount per net ton between the laid-down cost to the railways of coal mined in the Maritime Provinces and the laid-down cost at the same points of imported coal that would otherwise be used up to a maximum of \$2 per net ton; Provided that:
 - (a) for the purpose of this Order in Council the said difference of laid-down costs shall be determined by the Dominion Fuel Board.
- (8) That the assistance shall apply only on movements of coal to points where the Canadian coal to be used is at a disadvantage in competing with foreign coal.
- (9) That the assistance shall apply only on shipments of coal from coal mines or coal properties which were in operation and shipping prior to December 31, 1930.
- (10) That the assistance shall not apply on shipments of less than carload lots.
- (11) That the assistance shall not be granted to those participating who refuse or fail to furnish such information as the Minister of Mines may consider necessary in the administrative duties connected with this movement; and that for the purpose of certifying such information the Minister of Mines or such officers of the Dominion Fuel Board as he may designate shall have free access to all books, records or accounts kept by shippers or the railways in connection with this movement and make such examination thereof as may be considered necessary or expedient.
- (12) That the Minister of Mines be given the right to refuse approval in each and every application for assistance under this authority.
- (13) That the Dominion Fuel Board be charged with the duty of administering this Order in Council and be required to report to the Minister of Mines as to the amounts paid under this Order in Council each year during the said period.
- (14) That Order in Council P.C. 1048 of May 9, 1932, and amendments thereto, be hereby rescinded, but that shipments shall be continued on acceptances that were granted under authority thereof until the tonnages authorized have been shipped.

NEW BRUNSWICK COAL TO QUEBEC AND ONTARIO

P.C. 1299 (*Superseded by P.C. 951—May 30, 1933*)

The Committee of the Privy Council have had before them a report, dated May 30, 1931, from the Minister of Mines, stating that the test movements of New Brunswick coals authorized by Order in Council P.C. 539 of March 30, 1928, and further extended by P.C. 2256 of October 2, 1930, will expire March 31, 1932. These test rates have not demonstrated the full extent to which the markets for New Brunswick coals could be increased at competitive points in Quebec and Ontario where under the existing freight rates these coals are at a disadvantage with coals imported from the United States. In order, therefore, to enable New Brunswick coals to compete to a greater extent in the areas aforementioned the Minister of Mines recommends:

- (1) That assisted movements be instituted of shipments of coal mined in the Province of New Brunswick and shipped to points in the provinces of Quebec and Ontario;
- (2) That the assistance granted shall be by the reduction of one-sixth of a cent per ton per mile from the existing freight rates, provided that the assistance shall in no instance exceed \$1.50 (one dollar and fifty cents) per ton;
- (3) That the amount of the said assistance shall be payable to the railways under the following conditions:
 - (a) That the assistance shall apply only to movements of coal to points where the Canadian coal to be used is at a disadvantage in competing with foreign coal;
 - (b) That the assistance shall apply from June 1, 1931, to June 30, 1933;
 - (c) That the assistance shall not apply to coal when used for household purposes;
 - (d) That the assistance shall apply only to shipments of coal from coal mines or coal properties which were in operation and shipping coal prior to December 31, 1930;
 - (e) That the assistance shall not apply on shipments of less than carload lots.

- (f) That the assistance shall not be granted to shippers 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 distributors in connection with this movement and make such examination thereof as may be considered necessary or expedient;
- (g) That the Minister of Mines reserves the right of refusing approval in each and every application for assistance under this authority.

The Minister further recommends:

- (4) That in order to provide for the payments to the railways hereby proposed and to provide for the expenses of administration of this Order in Council, a vote be placed in the estimates of the Department of Mines to cover payments to be made hereunder;
- (5) That the Dominion Fuel Board be charged with the administrative duties connected with this movement and shall report annually to the Minister of Mines as to the amount paid the railways during the period of the movement;
- (6) That Order in Council P.C. 539 of March 30, 1928, and the extension, P.C. 2256 of October 2, 1930, in so far as the movements relate to New Brunswick coals, be hereby rescinded.

P.C. 951

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

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

1. Movements of coal mined in the Province of New Brunswick and shipped to points in the Provinces of Quebec and Ontario be assisted by payments out of such sums as may be provided by Parliament from year to year for that purpose;
2. The assistance granted shall be the reduction of one-sixth of a cent per ton per mile from the existing rail freight rates provided that the amount of said reduction shall in no instance exceed one dollar and fifty cents per net ton;
3. The amount of said assistance shall be payable to the railways under the following conditions:—
 - (a) That the assistance shall apply only to movements of coal to points where the Canadian coal to be used is at a disadvantage in competing with foreign coal;
 - (b) That the assistance shall apply only to shipments of coal from coal mines or coal properties which were operating under legal permit and shipping coal prior to December 31, 1930;
 - (c) That the assistance shall not apply to shipments of less than minimum carload lots;
 - (d) That the assistance shall not be granted to those applying who refuse or fail to furnish such information as the Minister of Mines may consider necessary in the administrative duties connected with this movement; and that for the purpose of certifying such information the Minister of Mines or such officers of the Dominion Fuel Board as he may designate shall have free access to all books, records or accounts kept by shippers or the railways in connection with this movement and make such examination thereof as may be considered necessary or expedient.
4. The Minister of Mines reserves the right of refusing approval in each and every application under this authority.
5. The Dominion Fuel Board be charged with the duty of administering this Order in Council and be required to report to the Minister of Mines as to the amounts paid under the provisions thereof each year.
6. With respect to acceptances issued by the Dominion Fuel Board under the authority of Order in Council P.C. 1299 of 30th May, 1931, and whereof the tonnages designated have not been shipped, shipments may be continued under the authority of those acceptances for a period of ninety days from the 27th May, 1933.

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

SASKATCHEWAN LIGNITE TO MANITOBA

P.C. 1301 (*Superseded by P.C. 953—May 30, 1933*)

The Committee of the Privy Council have had before them a report dated the 30th May, 1931, from the Minister of Mines, submitting that Order in Council P.C. 1399 of June 14, 1930, provides assistance on lignite coal mined in the Province of Saskatchewan and shipped to competitive points in the Province of Manitoba. The amount of the assistance authorized is 50 cents per net ton.

The Minister states that the lignites of Saskatchewan, due to certain chemical and physical disadvantages when compared with higher grade bituminous coals have had only a limited utilization, particularly in the Manitoba market.

In order to encourage the further use of these Canadian coals, the Minister of Mines recommends:

- (1) That assisted movements be instituted of shipments of coal mined in the Province of Saskatchewan and shipped to points in the Province of Manitoba and to points in that portion of the Province of Ontario lying west of Sioux Lookout and Fort Frances;
- (2) That the assistance granted shall be by the reduction of one-seventh of a cent per ton per mile from the existing rates, provided that the assistance shall in no instance exceed \$1 per ton;
- (3) That the amount of the said assistance shall be payable to the railways under the following conditions:—
 - (a) That the assistance shall apply only to movements of coal to points where the Canadian coal to be used is at a disadvantage in competing with foreign coal;
 - (b) That the assistance shall apply from June 1, 1931 to June 30, 1933;
 - (c) That the assistance shall not apply to coal when used for household purposes;
 - (d) That the assistance shall apply only to shipments of coal from coal mines or coal properties which were in operation and shipping coal prior to December 31, 1930;
 - (e) That the assistance shall not apply on shipments of less than carload lots;
 - (f) That the assistance shall not be granted to shippers 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 distributors in connection with this movement and make such examination thereof as may be considered necessary or expedient;
- (4) That the Minister of Mines reserves the right of refusing approval in each and every application for assistance under this authority.

The Minister further recommends:

- (4) That in order to provide for the payments to the railways hereby proposed and to provide for the expenses of administration, of this Order in Council, a vote be placed in the estimates of the Department of Mines to cover payments to be made hereunder;
- (5) That the Dominion Fuel Board be charged with the administrative duties connected with this movement and shall report annually to the Minister of Mines as to the amount paid the railways during the period of the movement.

SASKATCHEWAN COAL TO MANITOBA AND WESTERN ONTARIO

P.C. 953 (*Superseded by P.C. 1120—May 28, 1934*)

The Committee of the Privy Council have had before them a report, from the Minister of Mines, submitting that the provisions of Order in Council, P.C. 1301 of May 30th, 1931, which provides assistance to the movement of coal mined in the Province of Saskatchewan, to points in the Province of Manitoba and to points in the Province of Ontario west of and including Sioux Lookout and Fort Frances, will expire on June 30th, 1933;

The Minister recommends that upon expiry of the aforesaid Order in Council:—

1. Movements of coal mined in the Province of Saskatchewan and shipped to points in the Province of Manitoba and to points in that portion of Ontario west of and including Sioux Lookout and Fort Frances, be assisted by payments out of such sums as may be provided by Parliament from year to year for that purpose;

2. With respect to coal mined in the Province of Saskatchewan and shipped to points in the Province of Manitoba and to points in that portion of the Province of Ontario west of and including Sioux Lookout and Fort Frances, the assistance granted shall be by the reduction of one-seventh of one per cent per ton per mile from the existing rail rates; provided that the amount of said reduction shall in no instance exceed forty cents per net ton on shipments to points in the Province of Manitoba and shall in no instance exceed one dollar per net ton on shipments to points in the Province of Ontario;

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

- (a) That the assistance shall apply only to movements of coal where the Canadian coal to be used is at a disadvantage in competing with foreign coal;
- (b) That the assistance shall not apply to coal when used for household purposes;
- (c) That the assistance shall not apply to shipments of less than minimum carload lots;
- (d) That the assistance shall apply only to shipments of coal from coal mines or coal properties which were operating under legal permit and shipping coal prior to December 31, 1930;
- (e) That the assistance shall not be granted to shippers or distributors who refuse or fail to furnish such information as the Minister of Mines may consider necessary in the administrative duties connected with this movement; and that for the purpose of certifying such information the Minister of Mines or such officers of the Dominion Fuel Board as he may designate shall have free access to all books, records or accounts kept by shippers or the railways in connection with this movement and make such examination thereof as may be considered necessary or expedient;

4. The Minister of Mines reserves the right of refusing 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 be required to report to the Minister of Mines as to the amounts paid under the provisions thereof each year.

6. With respect to acceptances issued by the Dominion Fuel Board under the authority of Order in Council, P.C. 1301 of 30th May, 1931, and whereof the tonnages designated have not been shipped, shipments may be continued under the authority of those acceptances for a period of ninety days from the 27th May, 1933.

P.C. 1120

The Committee of the Privy Council have had before them a report, dated 15th May, 1934, from the Minister of Mines with reference to an Order in Council, P.C. 953 of May 30th, 1933, which provides assistance to the movement of coal mined in the Province of Saskatchewan and shipped to points in the Province of Manitoba and to points in the Province of Ontario west of and including Sioux Lookout and Fort Frances.

The Committee, on the recommendation of the Minister of Mines, advise that the said Order in Council, P.C. 953 be rescinded and that:—

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

2. With respect to coal mined in the Province of Saskatchewan and shipped to points in the Province of Manitoba and to points in the Province of Ontario for use by consumers other than the railways, the assistance granted shall be as follows:

- (a) To points in the Province of Manitoba the assistance granted shall be in the sum of fifteen cents per net ton, the same to be deducted from the existing rail rate and payable to the railways.
 - (b) To points in the Province of Ontario the assistance granted shall be the sum of one dollar per net ton, the same to be deducted from the existing rail rate and payable to the railways.
3. The said assistance shall be payable under the following conditions:—
- (a) That the assistance shall apply only to movements of coal to points where the Canadian coal to be used is at a disadvantage in competing with foreign coal.
 - (b) That the assistance shall not apply to coal when used for household purposes.
 - (c) That the assistance shall not apply to shipments of less than minimum carload lots.
 - (d) That the assistance shall apply only to shipments of coal from coal mines or coal properties which were operating under legal permit and shipping coal prior to December 31, 1930.
- (e) That the assistance shall not be granted to shippers or distributors who refuse or fail to furnish such information as the Minister of Mines may consider necessary in the administrative duties connected with this movement; and that for the purpose of certifying such information the Minister of Mines or such officers of the Dominion Fuel Board as he may designate shall have free access to all books, records or accounts kept by shippers or the railways in connection with this movement and make such examination thereof as may be considered necessary or expedient.

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

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

6. With respect to acceptances issued by the Dominion Fuel Board under authority of Order in Council P.C. 953 of May 30, 1933, and whereof the tonnages designated have not been shipped, shipments may be continued under the authority of these acceptances for a period of ninety days from the date of this Order in Council.

ALBERTA COAL TO ONTARIO

P.C. 740

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

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

- (1) That movements of coal mined in the Province of Alberta and shipped to certain points in the Province of Ontario be assisted by payments out of such sums as may be provided by Parliament from year to year for that purpose.
- (2) That with respect to such movements of coal referred to in the above Section (1) the assistance granted shall be by the reduction of \$2.50 per net ton from the existing rail rates when same amount to \$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.

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

P.C. 952 (*Superseded by P.C. 1121—May 28, 1934*)

The Committee of the Privy Council have had before them a report from the Minister of Mines, submitting that the provisions of Order in Council P.C. 1303 of May 30, 1931, as amended by P.C. 827 of April 15, 1932, which provides assistance to the movement of coal gained in the Province of Alberta and in the Crowsnest Pass district of British Columbia, to points in the Province of Manitoba and to points in the Province of Ontario west of and including Sioux Lookout and Fort Frances, will expire on June 30, 1933.

The Minister recommends that, upon expiry of the aforesaid Order in Council:—

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 that portion of the Province of Ontario west of and including Sioux Lookout and Fort Frances, 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 that portion of the Province of Ontario west of and including Sioux Lookout and Fort Frances, the assistance granted shall be as follows:—
 - (a) To points in the Province of Manitoba the assistance granted shall be by the reduction of one-seventh of one cent per ton per mile from the existing rail rates; provided that the amount of said reduction shall in no instance exceed one dollar and twenty cents per net ton.
 - (b) To points in that portion of the Province of Ontario west of and including Sioux Lookout and Fort Frances, the assistance granted shall be by the reduction of one-third of one cent per ton per mile from the existing rail rates; provided that the amount of said reduction shall in no instance exceed two dollars per net ton.
- (3) With respect to coal purchased by railway companies for their own use at points within the areas herein prescribed the assistance shall apply only on that tonnage of Canadian coal used by the railways over and above the average consumption of Canadian coal at those points during the years 1930, 1931 and 1932;
- (4) The amount of said assistance shall be payable to the railways under the following conditions:—
 - (a) That the assistance shall apply only to movements of coal where the Canadian coal to be used is at a disadvantage in competing with foreign coal.
 - (b) That the assistance shall not apply to coal when used for household purposes.
 - (c) That the assistance shall not apply to shipments of less than minimum carload lots.
 - (d) That the assistance shall apply only to shipments of coal from coal mines or coal properties which were operating under legal permit and shipping coal prior to December 31, 1930.
 - (e) That the assistance shall not be granted to shippers or distributors who refuse or fail to furnish such information as the Minister of Mines may consider necessary in the administrative duties connected with this movement; and that for the purpose of certifying such information the Minister of Mines or such officers of the Dominion Fuel Board as he may designate shall have free access to all books, records or accounts kept by shippers or the railways in connection with this movement and make such examination thereof as may be considered necessary or expedient.
- (5) The Minister of Mines reserves the right of refusing approval in each and every application for assistance under this authority;
- (6) The Dominion Fuel Board be charged with the duty of administering this Order in Council and be required to report to the Minister of Mines as to the amounts paid under the provisions thereof each year;
- (7) With respect to acceptances issued by the Dominion Fuel Board under the authority of Order in Council P.C. 1303 of 30th May, 1931, as amended by P.C. 827 of 15th April, 1932, and whereof the tonnages designated have not been shipped, shipments may be continued under the authority of those acceptances for a period of ninety days from 27th May, 1933.

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

P.C. 1121

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

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

1. Movements of coal mined in the Province of Alberta and in the Crowsnest Pass district of British Columbia and shipped to points in the Province of Manitoba and to points in the Province of Ontario be assisted by payments out of such sums as may be provided by Parliament from year to year for that purpose;
2. With respect to coal mined in the Province of Alberta, and in the Crowsnest Pass district of British Columbia and shipped to points in the Province of Manitoba and to points in the Province of Ontario for use by consumers other than the railways and as hereinafter excepted, the assistance granted shall be as follows:
 - (a) To points in the Province of Manitoba the assistance granted shall be by the reduction of one-twelfth of one cent per ton per mile from the existing rail rates; provided that the amount of said reduction shall in no instance exceed *seventy cents per net ton*, the amount of said reduction being payable to the railways.
 - (b) To points on the Province of Ontario the assistance granted shall be by the reduction of one-fifth of one cent per ton per mile from the existing rail rates; provided that the amount of said reduction shall in no instance exceed *two dollars per net ton*, the amount of said reduction being payable to the railways.
3. With respect to coal mined in the Province of Alberta and in the Crowsnest Pass district in the Province of British Columbia and purchased by railway companies for their own use at points in the Provinces of Manitoba and Ontario east of and including Carrick, Decimal and Eagle River, the assistance granted shall be by the reduction of one-fifth of one cent per ton per mile from the existing rates provided that the amount of said reduction shall in no instance exceed *two dollars per net ton*, the amount of said reduction being payable to the railways.
4. The said assistance shall be payable under the following conditions:
 - (a) That the assistance shall apply only to movements of coal where the Canadian coal to be used is at a disadvantage in competing with foreign coal.
 - (b) That the assistance shall not apply to coal when used for household purposes.
 - (c) That the assistance shall not apply to shipments of less than minimum carload lots.
 - (d) That the assistance shall apply only to shipments of coal from coal mines or coal properties which were operating under legal permit and shipping coal prior to December 31, 1930.
 - (e) That the assistance shall not be granted to shippers or distributors who refuse or fail to furnish such information as the Minister of Mines may consider necessary in the administrative duties connected with this movement; and that for the purpose of certifying such information the Minister of Mines or such officers of the Dominion Fuel Board as he may designate shall have free access to all books, records or accounts kept by shippers or the railways in connection with this movement and make such examination thereof as may be considered necessary or expedient.
5. The Minister of Mines be given the right to refuse approval in each and every application for assistance under this authority.
6. The Dominion Fuel Board be charged with the duty of administering this Order in Council and be required to report to the Minister of Mines as to the amounts paid under the provisions thereof each year.
7. With respect to acceptances issued by the Dominion Fuel Board under authority of Order in Council P.C. 952 of May 30, 1933, and whereof the tonnages designated have not been shipped, shipments may be continued under the authority of those acceptances for a period of ninety days from the date of this Order in Council.

BRITISH COLUMBIA COAL FOR BUNKER AND EXPORT

P.C. 1302 (*Superseded by P.C. 954—May 30, 1933*)

The Committee of the Privy Council have had before them a report, dated 30th May, 1931, from the Minister of Mines stating that the Government appreciates the importance to the Province of British Columbia of the welfare of the coal mining industry of that province and is aware that in recent years the output of coal from those mines has been considerably diminished owing to severe competition from other fuels. This curtailment of output has caused unsatisfactory industrial conditions in connection with a major industry of the province. It appears that with reasonable assistance certain restoration of markets can be made possible by improving the position of British Columbia coals in competing with other fuels for the bunkering or export trade.

In order, therefore, to enable British Columbia coals to obtain a wider range of utilization the Minister of Mines recommends:

- (1) That assistance to the extent of the sum of twenty-five cents per net ton be paid to coal producers or coal distributors on sales of coal mined in British Columbia and sold as fuel for ships' stores or for export to foreign countries, in the manner and under the conditions set forth as follows:
 - (a) That the assistance shall apply to coal for fuelling ocean-going vessels but not for 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 from June 1st, 1931, to June 30, 1933;
 - (d) That the assistance shall apply only to shipments of coal from coal mines or coal properties which were in operation and shipping coal prior to December 31st, 1930;
 - (e) That the assistance shall not be granted to coal producers or coal distributors 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 the said coal producers or coal dealers in connection with this assistance and make such examination thereof as may be considered necessary or expedient;
 - (f) That total annual payments to be made under this authority shall not exceed the sum of \$50,000 (fifty thousand dollars);
 - (g) That the Minister of Mines reserves the right of refusing approval in each and every application for assistance under this authority.

The Minister further recommends:

- (2) That in order to provide for the payments to be made under this authority and to provide for the expenses of administration of same, a vote be placed in the estimates of the Department of Mines to cover payments to be made hereunder;
- (3) That the Dominion Fuel Board be charged with the administrative duties connected with this assistance and shall report to the Minister of Mines as to the amount paid during the period of its operation.

P.C. 954 (*Superseded by P.C. 1122—May 28, 1934*)

The Committee of the Privy Council have had before them a report, from the Minister of Mines, submitting that the provisions of Order in Council, P.C. 1302 of May 30, 1931, as amended by P.C. 2699 of October 27, 1931, which provides assistance to the movement of coal mined in the Province of British Columbia and sold as fuel for ships' stores or for export to foreign countries, will expire on June 30, 1933.

The Minister recommends, in order to enable British Columbia coal to continue to compete with foreign coals for bunkering and export markets, that upon expiry of the aforesaid Orders in Council:

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 by payments out of such sums as may be provided by Parliament from year to year for that purpose.

2. The said payments shall be the sum of fifty cents per gross ton on coal sold as fuel for ships' stores and the sum of one dollar per gross ton on coal sold for export to foreign countries, and shall be paid to coal producers or coal 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;
- (e) That total annual payments to be made under this authority shall not exceed the sum of One Hundred Thousand dollars.

3. The Minister of Mines reserves the right of refusing approval in each and every application for assistance under this authority;

4. 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.

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

P.C. 1122

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

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

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