

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

COAL STATISTICS FOR CANADA

FOR THE CALENDAR YEAR

1930

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1931

NOTES ON STATISTICS OF PRODUCTION

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

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

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

Manufactures of—

- (1) **Vegetable Products**, including—Coffee and Spices; Cocoa and Chocolate; Preserved and Canned Products; Pickles, Vinegar and Cider; Flour and Cereals; Bread and other Bakery Products; Macaroni and Vermicelli; Distilled and Brewed Liquors and Wines; Rubber Products; Starch and Glucose; Sugar; Tobacco Products; Linseed Oil and Oil Cake.
- (2) **Animal Products**, including—Fish and Fish Products; Dairy Factory Products; Meat and Meat Products; Leather and Leather Products; Furs and Fur Products.
- (3) **Textiles and Textile Products**, including—Cotton Textiles (Cloth, Yarn, Thread and Waste); Woolen Textiles (Cloth, Yarn, Blankets, Felt and Waste); Silk Products; Factory-Made Clothing; Carpets, Rugs and Mats; Cordage, Rope and Twine.
- (4) **Wood and Paper**, including—Pulp and Paper Mill Products; Paper Goods; Printing, Publishing and Lithographing; Saw and Planing Mill Products; Furniture; Carriages, Wagons and Sleighs; Wooden Containers; Woodenware; Turned Wood Products; and the Output of Similar Wood-Using Industries.
- (5) **Iron and Steel and Their Products**, including—Pig Iron and Ferro-Alloys; Steel and Rolled Products; Castings and Forgings; Boilers, Tanks and Engines; Agricultural Implements; Machinery; Automobiles; Auto Parts and Accessories; Bicycles; Railway Rolling Stock; Wire and Wire Goods; Sheet Metal Products; Hardware and Tools; Miscellaneous Iron and Steel Products.
- (6) **Manufactures of Non-Ferrous Metal Products**, including—Aluminium and Aluminum Ware; Brass and Copper Products; Lead, Tin and Zinc Products; Jewellery and Silverware; Electrical Apparatus and Supplies; Miscellaneous Non-Ferrous Metal Products.
- (7) **Manufactures of the Non-Metallic Minerals**, including—Aerated Waters—Asbestos and Allied 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—Stone Dressing—Miscellaneous Non-Metallic Mineral Products including (a) Artificial Abrasives and Abrasive Products (b) Artificial Graphite and Electrodes (c) Gypsum Products (d) Mica Products (e) Miscellaneous Non-Metallic Mineral Products, n.e.s.
- (8) **Chemicals and Allied Products**, including—Coal Tar Distillation; Acids, Alkalies, and Salts—Compressed Gases; Explosives; Ammunition and Fireworks; Fertilizers; Medicinal and Pharmaceutical Preparations; Paints, Pigments and Varnishes; Soaps and Washing Compounds—Toilet Preparations; Inks; Adhesives; Tissues and Dressings; Wood 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.e.s.
- (9) **Miscellaneous Products**, including—Brooms and Brushes; Electric Light and Power; Musical Instruments, etc.

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

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

PREFACE

Canada's coal production in 1930 decreased 15 per cent in quantity and 16 per cent in value from the preceding year. Output was less in all provinces although in Saskatchewan the decrease was slight.

Production during 1930 was 14,881,324 tons; imports totalled 17,620,074 tons; exports amounted to 624,512 tons; thus giving an apparent consumption during the year of 31,876,886 tons as compared with 35,272,885 tons in 1929. The decrease in consumption was due to the general industrial depression.

Experimental work is being carried on particularly on the western coast with a view to extending the use of pulverized coal. Under Federal Government assistance to interprovincial shipments of Canadian coal, 376,646 tons were moved from the Maritime Provinces to points in Quebec and Ontario, and 105,467 tons were moved from western coal mines to points in Manitoba and Ontario.

A strip mining plant which commenced operations at Estevan, Saskatchewan, in September, 1930, marked a new development in the mining of Saskatchewan lignite. The lignites of that province are obtaining wider markets for both industrial and domestic use and it is to be noted that the decrease in Saskatchewan's coal output was proportionally less than in any other province in 1930.

The Dominion Bureau of Statistics issues statistical information on coal and coke through three channels: (1) a monthly multigraphed report 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 quarterly and annual statistics which must necessarily be more accurate are obtained from producers' written reports which are signed by officers of the companies furnishing the figures.

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, July 25, 1931.

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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DOMINION BUREAU OF STATISTICS

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COAL STATISTICS FOR CANADA

FOR THE CALENDAR YEAR 1930

CHAPTER ONE

CANADA

The production of coal in Canada during 1930 amounted to 14,881,324 tons valued at \$52,849,748, a decrease of 14.95 per cent in quantity and 16.2 per cent in value from the 1929 total of 17,496,557 tons worth \$63,065,170. A decline of 11.39 per cent was shown in the Nova Scotia output, 4.28 per cent in New Brunswick, 0.13 per cent in Saskatchewan, 19.51 per cent in Alberta, and 16.33 per cent in British Columbia.

Interprovincial shipments of Canadian coal assume large proportions each year. During 1930, Nova Scotia mines supplied the New Brunswick market with 443,111 tons of coal, Prince Edward Island with 87,788 tons and Quebec with 1,893,679 tons. New Brunswick operators made minor shipments to Prince Edward Island and Quebec. Saskatchewan mines shipped 223,552 tons to Manitoba, 1,535 tons to Alberta and 1,388 tons to Ontario. Alberta shipments included 1,225,274 tons to Saskatchewan points, 226,941 tons to British Columbia, 540,893 tons to Manitoba, 30,217 tons to Ontario and 32 tons to Quebec. British Columbia shipped 34,444 tons to Alberta, 65,845 tons to Saskatchewan, 11,419 tons to Manitoba, and 107 tons to Ontario.

Railroads supplied an important outlet for Canadian coal in 1930, with total purchases amounting to 4,085,228 tons or 30.37 per cent of the Canadian shipments as against 5,210,989 tons or 32.9 per cent of the total mine shipments in 1929.

Coal mines in operation during 1930 suffered a total loss in output of 6,523,251 tons due to lack of orders, mine disability, absenteeism, car shortage and other causes. In addition, it is estimated that labour disputes at the mines, which involved 6,228 men with a consequent loss in working time of 24,183 man-days were responsible for a further loss of 59,200 tons. Active mines in Nova Scotia produced 72 per cent of their possible output; in New Brunswick, 74 per cent; in Saskatchewan, 64 per cent; in Alberta, 66 per cent; and in British Columbia, 73 per cent.

Canadian coal exported in 1930 declined to 624,512 tons; the lowest point on record since 1888. Exports from Nova Scotia declined slightly while those from British Columbia showed a decrease of 47.73 per cent. Coal cleared through ports in these two provinces accounted for 94.43 per cent of the total Canadian external shipments.

Imports of anthracite, bituminous and lignite coal into Canada during 1930 totalled 17,620,074 tons, or 5.37 per cent below the 1929 total of 18,619,300 tons. The United States is the principal source of Canada's imports of coal. In 1930 receipts of American coal amounted to 16,173,706 tons, including 2,955,954 tons of anthracite, 13,199,076 tons of bituminous, and 18,676 tons of lignite. Importations from Great Britain continued on a large scale, totalling 1,142,326 tons made up of 996,127 tons of anthracite and 146,199 tons of bituminous. Imports of anthracite coal from Russia advanced 148 per cent in 1930 to a total of 291,407 tons. Canada's coal supply was further supplemented by small importations from Germany, French Indo-China, and Newfoundland.

Canadian coal mines furnished employment to 29,172 employees during 1930. In Nova Scotia and New Brunswick an average of 14,526 employees worked in or about the coal mines; in western Canada employment was at a much lower level than in 1929. An average of 250 days work was furnished surface employees while underground men worked 210 days; in the preceding year the averages were—surface, 275 days and underground, 246. Salaries and wages paid during 1930 totalled \$36,442,361 as compared with \$42,376,378 in 1929 and \$43,320,811 in 1928.

Labour statistics show that this industry supplied 6,076,684 man-days work during the year as compared with 7,117,692 man-days in 1929 and 7,167,010 man-days in 1928. The computed average daily earning power per man was \$5.47 in 1930; in 1929 the average was \$5.49 and in 1928 it was \$5.57.

Fixed and current assets of the companies operating in the coal mining industry in Canada during 1930 were reported at \$140,316,395. Fuel used at the mines for power purposes was valued at \$2,685,068 and consisted principally of bituminous, sub-bituminous and lignite coal, although small quantities of gasoline, kerosene, and wood were also used. The consumption of electricity during the year increased 13.2 per cent and included 74,054,109 k.w.h. purchased at a cost of £910,348 and 94,972,298 k.w.h. generated by the operating companies for their own use. In addition, 16,069,530 k.w.h. were produced and sold for use apart from coal mining operations.

Domestic and industrial consumers in Canada used large quantities of coke, manufactured and natural gas, fuel oil and electricity, in addition to the 31.88 million tons of coal consumed in 1930. Coke production during the year totalled 2,385,994 tons, of which quantity 1,130,280 tons were sold. Exports of coke amounted to 29,801 tons while imports reached a total of 1,061,040 tons. The apparent consumption of coke in Canada was 3,417,233 tons as against 3,879,226 tons in 1929. The coal equivalent of the coke imported in 1930 was 1,632,368 tons. Canadian coal used at the collieries for the manufacture of coke amounted to 109,955 tons in 1930; in the previous year 115,482 tons were used.

Sales of manufactured gas in Canada are steadily increasing and the 1930 records show 17,713,477 thousand cubic feet sold for domestic and industrial use as compared with 17,649,371 thousand cubic feet in 1929. Natural gas consumption is also on the upward trend; approximately 18,000,000 thousand cubic feet were used for domestic purposes in 1930 and 11,000,000 thousand cubic feet for industrial use. The domestic consumption represented an estimated displacement of 720,000 tons of coal.

Fuel oil consumption for various industrial and domestic purposes amounted to 513 million imperial gallons in 1930 as against 516 million imperial gallons in 1929. The Dominion Fuel Board survey of domestic fuel consumption in 1929 showed a total distribution of 38,753,000 imperial gallons of fuel oil for domestic heating in Quebec and Ontario. A possible coal displacement of 310,000 tons is indicated by this fuel oil consumption.

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	340.5	7,530,817	9,718,968	
New Brunswick.....			121.0	151,000	151,000	
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	386,302,800	50,578.0	685,254,000	1,072,647,400	
British Columbia.....	439.0	23,831,242	5.606.0	52,203,700	76,034,942	
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	8,000,000	6,000,000	
Total.....	26,219.31	†414,804,193	84,949.5	819,465,117	†1,234,269,310	
The World—						
Oceania.....					170,110,000	
Asia.....					1,279,584,000	
Africa.....					57,832,000	
America.....					5,105,528,000	
Europe.....					784,192,000	
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, 1785-1930

Year	Short tons	Value	Average per ton	Year	Short tons	Value	Average per ton
1785-1806	2,863,826	4,905,462	1.71	1800	5,777,319	13,742,178	2.38
1807	631,320	1,056,725	1.67	1801	6,486,325	12,699,243	1.96
1808	623,392	1,073,061	1.72	1802	7,466,081	15,210,877	2.04
1809	687,825	1,155,282	1.68	1803	7,960,364	15,942,833	2.00
1810	752,035	1,243,139	1.65	1804	8,254,505	16,592,231	2.01
1811				1805	8,667,048	17,520,263	2.02
1812				1806	9,762,601	19,732,019	2.02
1813				1807	10,511,426	24,381,842	2.32
1814				1808	10,886,311	25,194,573	2.31
1815				1809	10,501,475	24,781,236	2.36
1816				1810	12,904,152	30,900,779	2.39
1817				1811	11,323,388	26,467,646	2.34
1818				1812	14,512,829	36,010,044	2.48
1819				1813	15,012,178	37,334,940	2.49
1820				1814	13,637,529	33,471,801	2.45
1821				1815	13,267,023	32,111,182	2.42
1822				1816	14,483,395	38,817,481	2.68
1823				1817	14,046,759	43,199,831	3.08
1824				1818	14,977,326	55,192,806	3.68
1825				1819*	13,919,006	55,622,670	3.99
1826				1820*	16,946,764	82,199,538	4.86
1827				1821*	15,057,493	72,451,656	4.81
1828				1822*	15,157,431	65,518,497	4.32
1829				1823*	16,990,571	72,058,986	4.24
1830				1824*	13,638,197	53,593,988	3.93
1831				1825*	13,134,968	49,261,951	3.75
1832				1826*	16,478,131	50,875,091	3.03
1833				1827*	17,426,861	61,867,463	3.55
1834				1828*	17,564,293	63,757,833	3.66
1835				1829*	17,190,557	63,065,170	3.60
1836				1830*	14,881,324	52,849,748	3.55
1837				Total	472,168,946	1,407,311,991	
1838							
1839							

*For the years 1919-1930 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, 1918-1930

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	14,636,100				3,226,331		14,977,924	55,192,896	
1919	85,579	10,802,046				2,941,471		13,919,096	55,622,670	
1920	127,513	13,122,924				3,696,327		16,946,764	82,496,538	
1921	96,064	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		3,486,520	12,047,452	15,157,431	65,518,497	
1923	107	322	12,041,877	58,478,670	466,492	1,399,424	3,582,085	12,180,570	16,990,571	72,058,986
1924			9,483,732	40,602,894	590,108	1,701,086	3,504,297	11,170,008	13,638,197	53,593,988
1925			8,939,607	36,793,503	570,654	1,731,267	3,624,707	10,737,183	13,134,968	49,361,951
1926			12,393,079	48,153,572	489,736	1,458,116	3,595,316	10,263,406	16,478,131	59,875,091
1927			13,006,996	49,385,818	506,155	1,784,973	3,823,710	10,696,672	17,426,861	61,867,463
1928			12,071,744	50,584,108	740,496	2,076,212	3,852,053	11,097,513	17,561,293	63,757,833
1929			12,859,822	49,985,261	668,702	1,908,954	3,908,033	11,160,955	17,496,557	63,065,170
1930			10,824,839	41,789,061	603,358	1,705,236	3,453,127	9,355,451	14,881,324	52,849,748

*Not separately reported prior to 1923.

Table 4.—Output and Value of Coal in Canada by Kinds and by Provinces,
1929 and 1930

(Short tons)

Province	1929			1930		
	Number of mines	Quantity	Value	Number of mines	Quantity	Value
NOVA SCOTIA (Bituminous).....	36	7,056,133	\$28,071,956	36	6,252,552	\$24,528,860
NEW BRUNSWICK (Bituminous).....	11	218,706	909,169	15	209,340	864,118
SASKATCHEWAN (Lignite).....	58	580,189	903,226	57	579,424	968,863
ALBERTA—						
Bituminous.....	17	3,094,147	10,851,499	17	2,278,467	7,971,401
Sub-bituminous.....	19	668,702	1,908,954	22	603,358	1,705,236
Lignite.....	245	3,387,844	10,107,720	254	2,873,703	8,336,588
Total.....	281	7,150,693	22,928,182	293	5,755,528	18,063,225
BRITISH COLUMBIA (Bituminous).....	26	2,490,378	10,160,789	28	2,083,818	8,421,572
YUKON (Bituminous).....	1	458	1,848	1	653	3,110
CANADA—						
Bituminous.....	91	12,850,822	49,995,261	97	10,824,820	41,789,061
Sub-bituminous.....	19	668,702	1,908,954	22	603,358	1,705,236
Lignite.....	303	3,968,033	11,160,955	311	3,453,127	9,355,451
Total.....	413	17,498,557	\$63,065,170	430	11,881,324	\$22,849,748

Table 5.—Output of Coal from Canadian Mines by Months, 1926-1930

(Short tons)

Month	1926	1927	1928	1929	1930
January.....	1,230,878	1,570,480	1,697,565	1,585,072	1,643,623
February.....	1,076,457	1,384,131	1,406,341	1,649,960	1,194,711
March.....	1,070,824	1,407,753	1,404,401	1,387,696	1,136,765
April.....	995,622	1,315,255	1,146,311	1,395,817	913,203
May.....	1,136,655	1,309,173	1,264,127	1,404,861	1,124,645
June.....	1,393,187	1,444,251	1,350,941	1,300,774	1,151,963
July.....	1,350,330	1,230,652	1,341,091	1,316,153	1,058,424
August.....	1,340,816	1,318,069	1,552,191	1,362,168	1,111,676
September.....	1,413,721	1,341,765	1,413,523	1,410,020	1,252,902
October.....	1,711,772	1,480,097	1,742,530	1,568,659	1,659,315
November.....	1,834,267	1,756,556	1,722,304	1,534,386	1,349,694
December.....	1,923,582	1,871,769	1,522,968	1,490,993	1,284,503
Total.....	16,478,131	17,428,861	17,564,293	17,496,557	14,881,324

Table 6.—Output and Value of Coal in Canada by Kinds and by months, 1930

(Short tons)

Month	Bituminous		Sub-Bituminous		Lignite		Total	
	Short tons	Value	Short tons	Value	Short tons	Value	Short tons	Value
January.....	975,606	\$3,894,917	83,546	\$25,954	584,471	\$1,668,101	1,643,623	\$5,820,972
February.....	865,508	3,501,769	50,590	140,417	278,613	730,743	1,194,711	4,382,929
March.....	865,186	3,416,833	28,642	73,037	242,937	616,556	1,136,765	4,106,426
April.....	786,163	3,042,917	24,318	56,846	102,722	216,271	913,203	3,318,634
May.....	990,014	3,679,961	22,310	52,102	112,221	256,445	1,124,515	3,988,598
June.....	1,006,182	3,793,113	34,758	85,686	111,023	262,740	1,151,963	4,117,539
July.....	913,880	3,393,378	44,531	115,702	100,013	248,397	1,058,421	3,757,737
August.....	885,006	3,329,040	56,109	154,930	170,567	467,101	1,111,676	3,951,071
September.....	862,789	3,314,119	63,642	187,771	326,471	932,259	1,252,902	4,434,149
October.....	952,645	3,682,323	70,201	235,287	630,460	1,845,965	1,659,315	5,763,375
November.....	847,766	3,284,375	57,727	164,800	444,201	1,201,770	1,349,694	4,651,012
December.....	874,100	3,450,118	60,984	178,494	349,419	899,094	1,284,503	4,527,706
Total.....	10,824,839	\$1,789,061	603,358	\$1,705,236	3,453,127	\$9,355,451	14,881,324	\$5,849,748

Table 7.—Tonnage Lost in the Coal Mines of Canada in 1929 and 1930 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.....	1929	81	19	3.8	7.3	0.0	6.5
	1930	72	28	2.0	20.0	0.0	5.2
NEW BRUNSWICK.....	1929	79	21	0.1	9.0	0.0	0.1
	1930	74	26	1.2	23.0	0.0	0.1
SASKATCHEWAN.....	1929	68	32	0.0	31.0	0.0	0.0
	1930	61	36	0.0	35.6	0.0	0.4
ALBERTA.....	1929	74	26	0.6	21.0	1.6	0.7
	1930	66	34	0.2	32.2	0.3	0.3
BRITISH COLUMBIA.....	1929	81	19	0.8	15.2	1.6	0.4
	1930	73	27	0.5	25.3	0.3	0.5
Canada.....	1929	78	22	1.8	15.0	0.8	2.8
	1930	70	30	0.8	26.2	0.1	2.2

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 1930

Month	Per cent produced	Per cent lost	Percentage lost through				
			Absenteeism	Lack of orders	Car shortage	Mine disability	Other causes
January.....	77	23	1.1	11.8	0.3	8.5	1.3
February.....	64	36	1.0	26.2	0.4	6.4	2.0
March.....	62	38	2.0	31.4	0.7	2.3	1.6
April.....	63	37	0.6	35.0	0.1	1.0	0.3
May.....	74	26	0.4	23.2	0.0	2.0	0.4
June.....	75	25	0.9	21.4	0.1	2.4	0.2
July.....	70	30	1.2	27.1	0.0	0.9	0.8
August.....	68	32	0.5	30.1	0.1	1.1	0.2
September.....	71	29	0.8	26.9	0.0	0.9	0.4
October.....	28	22	0.5	20.6	0.0	0.4	0.5
November.....	70	30	0.3	28.8	0.0	0.7	0.2
December.....	62	38	2.0	35.5	0.0	0.1	0.4
Total.....	70	30	0.8	26.4	0.1	2.2	0.7

Table 9.—Disposition of Coal from Canadian Mines, 1929 and 1930

	1929			1930		
	Total coal	Total value	Average value per ton	Total coal	Total value	Average value per ton
Supplied to employees for domestic consumption.....	204,581	\$ 707,280	\$ 3.46	189,684	\$ 670,882	\$ 3.54
Used for power purposes—						
(a) Shops.....	108,509	392,114	3.61	103,269	350,910	3.40
(b) Colliery boilers.....	795,683	2,379,147	2.99	704,437	2,043,076	2.90
(c) Companies' railroads.....	75,704	300,144	3.98	72,807	275,296	3.78
(d) Harbour tugs and dredges.....	724	2,966	4.10			
Shipped. (See Table 11)—						
(a) Ships' bunkers.....	365,422			333,687		
(b) Railroads.....	5,210,989	58,272,666	3.68	4,085,228	48,730,804	3.62
(c) Other.....	10,247,724			9,032,933		
Used in making coke at colliery.....	115,482	409,900	3.55	109,955	390,338	3.55
Used in making briquettes.....	105,635	194,639	1.84	45,183	113,303	2.51
Put on bank.....	1,006,497	3,806,745	3.78	774,297	2,948,723	3.81
Put on waste heap.....	235,284			221,530		
Total disposition.....	18,472,214	\$ 66,465,661	3.60	15,673,010	\$ 55,523,332	3.54
Lifted from bank.....	975,657	3,300,491	3.49	791,086	2,673,584	3.38
Total output.....	17,496,557	\$ 63,065,170	3.60	14,881,324	\$ 52,849,748	3.55

Table 10.—Disposition of Coal from Canadian Mines by Provinces, 1930
(Short tons)

	Nova Scotia	New Brunswick	Saskatchewan	Alberta	British Columbia	Yukon	Canada
Supplied to employees for domestic consumption	120,846	3,036	3,252	40,326	22,214	10	189,684
Coal shipped. (See Table 11).	5,648,034	199,746	515,010	5,379,121	1,709,641	293	13,451,848
Used under colliery boilers, etc.	306,179	5,362	33,024	220,389	139,433	50	704,437
Used by companies' railroads	47,326	900	3,911	7,722	12,948		72,807
Used for manufacture of coke at colliery					109,955		109,955
Used in making briquettes			22,911	22,272			45,183
Used in shops, etc.	103,269						103,269
Used by harbour tugs and dredges							
Put on bank	685,242	9,731	2,262	41,576	35,486		771,297
Put on waste heap	14,024	53	903	97,447	108,713	300	221,530
Total disposition	6,924,920	218,831	581,363	5,866,853	2,131,396	653	15,673,610
Lifted from bank	672,388	9,482	1,939	53,325	54,572		791,656
Total output	6,252,552	209,349	579,424	5,755,528	2,083,818	653	14,881,324

Table 11.—Shipments of Coal from Canadian Mines by Grades and Destinations, 1929 and 1930

(Short tons)

Destination	1929				1930			
	Run-of-mine	Screened	Slack	Total	Run-of-mine	Screened	Slack	Total
Prince Edward Island	3,130	77,241	2,214	82,585	3,398	82,343	2,193	87,994
Nova Scotia	335,851	651,042	843,299	1,830,192	214,339	572,208	738,516	1,523,063
New Brunswick	214,058	150,133	129,667	493,855	167,344	141,067	195,737	504,138
Quebec	67,591	1,137,112	1,167,838	2,372,541	33,633	964,711	875,749	1,891,094
Ontario	703	46,330	9,236	56,269	845	26,022	4,845	31,712
Manitoba	158,420	426,495	240,024	821,939	167,621	366,714	241,531	773,866
Saskatchewan	259,890	1,032,840	424,147	1,716,817	265,247	893,078	440,544	1,538,869
Alberta	261,088	537,838	599,652	1,394,578	256,352	463,005	508,441	1,227,798
British Columbia	46,451	724,672	252,979	1,024,103	40,213	710,160	249,036	999,409
Yukon	-	221	-	221		293		293
Total domestic shipments	1,347,152	4,783,924	3,669,056	9,800,132	1,108,993	4,219,571	3,256,592	8,585,136
Railroads	4,029,986	817,399	363,604	5,210,989	3,021,284	750,493	313,451	4,685,228
Ships' bunkers	253,946	111,476		365,122	250,311	82,481	895	333,657
Total railroads and ships' bunkers	4,283,932	928,875	363,604	5,576,411	3,271,595	832,974	314,346	4,418,915
United States	19,592	104,618	53,764	177,974	10,647	74,234	64,869	119,750
Alaska		23,891		23,891		26,456		26,456
Newfoundland	9,916	234,264	540	244,720	2,080	204,120	57,637	263,837
Other places		438		438				
Lost at sea		569		569		4,318	3,416	7,734
Total external shipments	29,508	363,780	54,304	447,692	12,727	309,128	125,922	417,777
Total	5,660,592	6,676,579	4,086,964	15,824,135	4,393,315	5,361,673	3,696,860	13,451,848

Table 12.—Exports of Canadian Coal, 1873-1930(Compiled in the *External Trade Branch*)

Calendar year	Short tons	Value	Calendar year	Short tons	Value
1873	420,683	\$	1903	1,954,629	\$
1874	310,988		1904	1,557,412	
1875	250,348		1905	1,635,287	
1876	248,638		1906	1,835,041	
1877	301,317		1907	1,894,074	
1878	327,958		1908	1,729,833	
1879	306,648		1909	1,588,099	
1880	432,188		1910	2,377,049	
1881	395,382		1911	1,500,639	
1882	412,682		1912	2,127,133	
1883	486,811		1913	1,562,020	3,951,351
1884	474,405		1914	1,423,126	3,780,175
1885	427,937		1915	1,766,543	5,406,058
1886	520,703		1916	2,135,359	7,090,387
1887	580,905		1917	1,733,156	7,387,192
1888	588,627		1918	1,817,195	9,405,423
1889	665,315		1919	2,070,050	12,438,885
1890	724,480		1920	2,558,174	(8,014,899)
1891	971,250		1921	1,987,251	13,896,370
1892	823,733		1922	1,818,582	11,159,060
1893	960,312		1923	1,654,406	10,661,399
1894	1,103,694		1924	773,246	4,836,818
1895	1,011,235		1925	785,910	4,329,173
1896	1,106,661		1926	1,028,200	5,739,436
1897	986,130		1927	1,113,330	5,800,259
1898	1,150,029		1928	863,941	4,469,999
1899	1,293,169		1929	812,972	4,375,328
1900	1,787,777		1930	624,512	3,345,998
1901	1,573,061				
1902	2,090,268		Total	67,491,179	

Table 13.—Exports of Canadian Coal from Eastern and Western Canada, 1926-1930

(Short tons)

—	1926	1927	1928	1929	1930
Eastern Canada.....	585,750	585,822	370,671	372,061	375,148
Western Canada.....	442,450	527,508	493,270	470,911	249,364
Total.....	1,028,200	1,113,330	863,941	842,972	624,512

Table 14.—Exports of Canadian Coal by Destinations*, 1928-1930

(Compiled in the *External Trade Branch*)

Destination	1928		1929		1930	
	Short tons	Value	Short tons	Value	Short tons	Value
BRITISH EMPIRE		\$		\$		\$
United Kingdom.....	27,390	202,252	26,605	195,958	18,453	132,602
Irish Free State.....	484	3,002	683	4,343	1,745	10,531
British South Africa.....	4,578	27,468	12,089	74,057	6,466	38,796
Bermuda.....	198	1,595	950	7,600		
British Guiana.....	1,098	6,383				
British Honduras.....	514	4,266			125	738
British India.....						
British West Indies—						
Jamaica.....	3,017	25,040				
Other B.W.I.....					396	3,286
Gibraltar.....	3,924	23,892	1,335	8,010	5,123	30,737
Malta.....	161	1,328				
Newfoundland.....	246,100	1,301,592	269,168	1,426,701	286,630	1,472,301
Sierra Leone.....	433	3,572			3,226	18,056
Australia.....	22,458	186,310	19,225	159,409	26,305	200,504
New Zealand.....	6,994	40,214	6,752	41,834	2,837	17,017
Total British Empire.....	317,317	1,826,925	336,807	1,917,012	351,306	1,934,508.
FOREIGN COUNTRIES						
Argentina.....	4,046	24,276	1,066	6,306	5,193	31,158
Belgium.....	7,354	49,695	3,493	20,406	4,816	32,621
Brazil.....	4,046	24,276			1,530	9,180
China.....	499	4,141	4,994	41,448	565	4,690
Cuba.....	1,015	8,531	380	3,135	352	2,112
Denmark.....	513	3,163	758	4,548		
Finland.....	147	882				
France.....	1,701	11,666	5,168	35,171	2,832	17,815
French Possessions—						
French Africa.....	1,737	10,416			1,209	7,254
St. Pierre and Miquelon.....	5,742	34,831	2,218	13,746	2,652	16,021
Syria.....	333	1,998	290	1,740		
Germany.....	5,622	36,813	2,140	12,711	1,640	11,659
Greece.....	3,283	20,139	1,085	8,097	4,157	25,885
Honduras.....	276	1,380				
Iceland.....	135	844				
Italy.....	8,181	50,338	3,327	22,991	4,700	29,031
Japan.....	5,970	38,870			3,455	19,250
Netherlands.....	7,467	55,120	5,247	35,510	1,945	11,829
Norway.....	1,704	11,142	421	2,521	2,440	9,799
Peru.....					801	5,807
Poland and Danzig.....	398	2,491	371	2,489		
Portugal.....	1,672	12,829				
Russia.....	361	2,166				
San Domingo.....					38	190
Spain.....	3,221	19,512	916	5,493	705	5,816
Sweden.....	680	4,080	552	3,162	470	2,820
Turkey.....	383	2,298	641	4,352		
United States.....	455,495	2,028,482	451,516	2,080,807	210,326	1,003,080
Alaska.....	22,298	168,381	21,642	152,663	23,272	165,413
Porto Rico.....	264	1,650				
Uruguay.....	2,021	12,631				
Total foreign countries.....	546,624	2,643,074	506,165	2,457,416	273,206	1,411,430
Total.....	863,911	4,169,999	842,972	4,375,328	621,512	3,315,998

Table 15.—Imports of Coal into Canada "Entered for Consumption" 1880-1930

(Compiled in the External Trade Branch)

Year	Anthracite coal and anthracite dust		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	2,739,599
1881.....	572,092	2,325,937	587,021	1,741,568	337	666			1,159,153	4,068,171
1882.....	638,273	2,666,356	636,374	1,992,081	471	900			1,255,118	4,659,337
1883.....	751,891	3,344,936	911,029	2,990,198	8,154	10,082			1,671,674	6,551,216
1884.....	868,000	3,831,283	1,118,615	3,613,470	12,782	14,600			1,999,397	7,439,353
1885.....	910,324	3,939,844	1,011,875	3,197,539	20,185	23,412			1,942,384	7,127,795
1886.....	995,425	4,028,050	930,949	2,501,554	36,230	36,999			1,962,691	6,651,600
1887.....	1,100,165	4,423,062	1,149,792	3,126,225	31,401	33,178			2,281,358	7,582,165
1888.....	2,138,627	5,261,875	1,231,234	3,451,601	28,808	34,730			3,398,663	8,778,266
1889.....	1,291,705	5,199,481	1,248,340	3,255,171	30,080	47,130			2,583,226	8,501,791
1890.....	2,101,335	4,565,727	1,400,282	2,525,359	53,104	29,818			2,663,721	8,154,501
1891.....	1,399,067	5,224,452	1,595,855	4,060,896	60,127	36,130			3,058,019	9,321,478
1892.....	1,479,106	5,640,346	1,615,220	4,099,221	82,091	39,840			3,176,417	9,779,107
1893.....	1,500,550	6,355,285	1,603,154	3,967,704	100,585	44,474			3,213,289	10,367,523
1894.....	1,530,522	6,354,040	1,359,509	3,313,094	117,573	49,510			3,406,644	9,318,611
1895.....	1,404,342	5,350,621	1,444,928	3,321,387	181,318	52,221			3,630,588	8,721,235
1896.....	1,574,355	6,667,096	1,538,489	3,299,025	210,386	53,742			3,323,23	9,049,863
1897.....	1,457,295	5,695,108	1,543,476	3,251,217	225,562	59,609			3,223,335	9,008,991
1898.....	1,490,701	5,874,685	1,094,024	3,179,595	229,345	45,556			3,374,179	9,099,586
1899.....	1,745,460	6,490,500	2,171,358	3,601,016	276,547	44,717			4,191,363	10,227,172
1900.....	1,654,101	6,602,912	2,439,764	4,310,064	330,174	98,349			4,421,039	11,012,225
1901.....	1,933,283	7,923,950	2,516,392	4,956,025	414,432	275,550			4,864,105	13,155,534
1902.....	1,682,453	7,021,939	3,047,392	5,712,058	489,548	264,550			3,189,391	12,895,547
1903.....	1,436,713	7,028,664	3,511,412	7,776,717	550,883	420,317			3,519,008	15,225,698
1904.....	2,275,018	10,461,223	4,034,900	9,108,298	608,041	544,128			6,935,259	27,113,539
1905.....	2,604,137	12,603,371	4,176,274	8,002,898	650,261	343,456		1923	7,431,672	23,439,723
1906.....	2,200,863	10,304,308	4,485,550	8,363,348	747,251	489,180			7,413,681	19,153,938
Calendar year—										
1907.....	3,141,873	14,506,129	6,370,152	13,232,445	1,139,258	1,121,949			10,651,281	29,889,523
1908.....	3,160,110	14,478,536	6,025,574	12,516,748	1,111,811	1,355,677			10,297,495	29,350,961
1909.....	3,017,844	13,936,152	5,625,063	11,453,818	1,230,017	1,499,889			9,872,921	26,881,859
1910.....	3,266,235	14,735,062	5,966,466	11,919,341	1,365,281	1,795,598			10,597,982	24,450,041
1911.....	4,020,577	18,791,193	8,905,815	18,407,608	1,632,530	2,000,792			11,558,892	38,292,591
1912.....	4,184,017	20,080,388	8,491,840	16,846,727	1,919,933	2,550,922			11,556,819	39,478,405
1913.....	4,042,057	22,034,830	10,743,473	21,756,658	2,816,423	4,157,622			18,211,935	47,919,119
1914.....	4,435,010	21,241,924	7,770,415	14,954,321	2,509,632	3,605,253			14,721,657	39,881,194
1915.....	4,072,192	18,735,930	6,106,794	7,564,369	2,285,016	2,027,256			12,155,932	24,345,605
1916.....	4,570,815	22,216,363	9,504,552	12,368,679	3,505,236	3,704,624			17,584,693	38,289,666
1917.....	5,320,198	28,109,586	12,407,486	33,712,894	3,129,776	8,739,877			21,857,460	7,587,357
1918.....	4,785,160	26,007,988	13,456,360	37,291,057	3,237,667	8,351,939			21,678,587	71,655,584
1919.....	4,937,095	31,595,694	10,127,905	24,750,717	2,228,197	4,814,388			17,293,237	61,169,799
1920.....	4,082,313	36,773,351	11,548,473	50,808,626	2,312,754	10,451,621			18,813,512	99,033,953
1921.....	4,553,820	40,293,639	11,104,635	41,000,322	2,553,607	7,630,773			18,312,062	88,921,731
1922.....	2,705,752	23,705,143	8,163,366	21,971,375	2,184,497	7,215,910			13,023,525	61,182,907
1923.....	5,165,382	46,457,902	11,933,610	39,511,011	3,888,630	10,387,188	2,331	12,846	20,958,933	95,350,907
1924.....	4,152,558	37,280,910	9,222,019	23,120,128	3,324,195	6,508,515	26,007	117,955	16,721,779	67,027,508
1925*	3,782,557	32,096,509	12,548,460 tons		\$20,974,340		18,653	87,832	16,319,677	59,158,081
1926.....	4,192,419	34,202,166	12,376,606 tons		\$25,511,932		10,423	45,567	16,5,8,418	39,759,657
1927.....	4,107,554	31,282,371	14,568,671 tons		\$31,457,884		10,829	44,254	18,687,351	61,751,500
1928.....	3,748,816	27,680,018	13,445,945 tons		\$26,608,427		10,780	44,247	17,236,341	31,332,693
1929.....	4,019,017	28,809,702	14,170,138 tons		\$27,140,9,8		14,408	62,508	28,264,163	56,013,268
1930.....	4,256,090	30,098,910	14,407,955 tons		\$26,522,765		18,676	72,691	18,772,721	56,691,366

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

Table 16.—Imports of Coal into Eastern and Western Canada, 1929 and 1930

(Short tons)

Destination	Anthracite			Bituminous	Lignite	Total all grades
	Egg, nut, etc.	Dust	Total anthracite			
EASTERN CANADA—						
1929—						
United States.....	2,803,825	306,467	3,110,292	12,673,250	.....	15,783,542
Great Britain.....	721,601	7,857	729,458	115,273	.....	844,731
Russia.....	117,304	.....	117,304	.....	.....	117,304
Newfoundland.....	.....	.....	.....	76	.....	76
Total.....	3,642,730	314,324	3,957,054	12,788,599	.....	16,745,633
1930—						
United States.....	2,595,284	306,738	2,902,022	11,698,687	.....	14,600,709
Great Britain.....	954,675	41,452	996,127	146,199	.....	1,142,326
Russia.....	291,407	.....	291,407	.....	.....	291,407
Newfoundland.....	.....	.....	.....	33	.....	33
Germany.....	11,480	.....	11,480	.....	.....	11,480
Total.....	3,852,846	348,190	4,201,036	11,844,919	.....	16,945,955
WESTERN CANADA*—						
1929—						
United States.....	60,271	2,480	62,751	1,796,581	14,108	1,873,440
Great Britain.....	.....	.....	95	.....	.....	95
Japan.....	112	.....	112	.....	.....	112
Total.....	60,383	2,480	62,863	1,796,676	14,108	1,873,647
1930—						
United States.....	50,372	3,560	53,932	1,500,389	18,676	1,572,997
Great Britain.....	.....	.....	1,122	.....	.....	1,122
French East Indies.....	1,122	.....	1,122	.....	.....	1,122
Total.....	51,494	3,560	55,654	1,500,389	18,676	1,574,119
Canada—						
1929—						
United States.....	2,861,096	308,947	3,173,013	14,469,831	14,108	17,656,982
Great Britain.....	721,601	7,857	729,458	115,368	.....	844,826
Russia.....	117,304	.....	117,304	.....	.....	117,304
Newfoundland.....	.....	.....	.....	76	.....	76
Japan.....	112	.....	112	.....	.....	112
Total.....	3,783,113	316,864	4,019,917	14,585,275	14,108	18,619,380
1930—						
United States.....	2,645,656	310,298	2,955,934	13,199,876	18,676	16,173,706
Great Britain.....	954,675	41,452	996,127	146,199	.....	1,142,326
Russia.....	291,407	.....	291,407	.....	.....	291,407
Newfoundland.....	.....	.....	.....	33	.....	33
Germany.....	11,480	.....	11,480	.....	.....	11,480
French East Indies.....	1,122	.....	1,122	.....	.....	1,122
Total.....	3,904,340	351,750	4,256,000	13,345,386	18,676	17,620,074

* 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, 1929 and 1930

(Short tons)

Destination	1929			1930		
	Anthracite		Bituminous, all grades	Anthracite		Bituminous all grades
	Egg, nut, etc.	Dust		Egg, nut, etc.	Dust	
Prince Edward Island.....	2,223					1,496
Nova Scotia.....	31,612		21,091	29,859		19,557
New Brunswick.....	50,798	1,911	341	60,844		35
Quebec.....	502,838	5,946	92,941	803,972	30,950	124,931
Ontario.....	44,130					
British Columbia.....			95			
Canada.....	721,601	7,857	115,368	954,675	41,452	146,199

Table 18.—Imports of Anthracite, Bituminous and Lignite Coal into Canada from the United States by Grades and by Provinces, 1929 and 1930

(Short tons)

Destination	1929			1930		
	Anthracite		Bituminous, all grades	Anthracite		Bituminous, all grades
	Egg, nut, etc.	Dust		Egg, nut, etc.	Dust	
Prince Edward Island.....	4,121	830	8,982	5,274	2,759	4,408
Nova Scotia.....	26,695		14,153	30,086		18,018
New Brunswick.....	44,653	455	75,767	26,827	1,498	72,299
Quebec.....	682,533	148,763	1,242,180	509,520	155,377	1,111,811
Ontario.....	2,098,544	156,413	13,067,713	1,078,818	147,104	11,955,589
Manitoba.....	6,701	2,479	38,801	1,806	4,764	24,898
Saskatchewan.....	365		2,477	41	367	1,816
Alberta.....			1,327			736
British Columbia.....	484	1	18,364	12,171		1,351
Yukon.....			67			8,879
Canada.....	2,861,096	388,947	14,469,831	14,108	2,645,656	13,192,876
						18,676

Table 19.—Imports of Anthracite and Bituminous Coal into Canada from Other Countries, by Provinces, 1929 and 1930

(Short tons)

Destination	Source	1929			1930		
		Anthracite		Bitu- minous, all grades	Anthracite		Bitu- minous, all grades
		Egg, nut, etc.	Dust		Egg, nut, etc.	Dust	
Nova Scotia.....	Russia.....	5,601				14,340	
New Brunswick.....	Russia.....	12,697				24,880	
Quebec.....							
British Columbia.....	Germany.....					11,480	
	Russia.....	99,006				252,187	
	Newfoundland.....			76			33
	Japan.....	112					
	French East Indies.....				1,122		
Canada.....		117,416			76	304,000	33

Table 20.—Imports of Anthracite, Bituminous and Lignite Coal into Canada by Months, 1929 and 1930

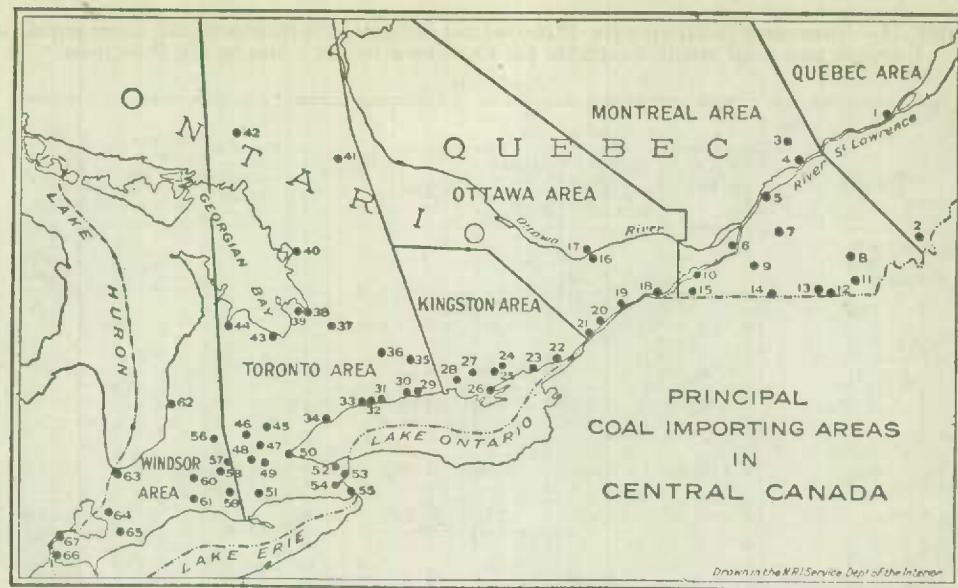
(Short tons)

Month	1929				1930			
	United States	Great Britain	Other countries	Total	United States	Great Britain	Other countries	Total
ANTHRACITE—								
January	253,773	20,281	2,872	276,726	331,283	16,048	.....	347,329
February	303,992	9,932	2,432	316,356	327,674	29,097	7,136	363,967
March	251,092	12,938	4,612	268,642	211,890	55,080	.....	266,970
April	129,511	7,346	2,646	139,503	112,483	6,392	6,200	125,675
May	222,955	71,309	.....	294,264	191,048	113,989	7,527	312,564
June	223,328	86,488	.....	309,816	204,025	138,372	63,668	406,665
July	196,528	72,229	11,589	280,346	176,368	107,214	27,388	310,970
August	215,892	103,403	29,861	349,156	193,193	121,581	52,999	367,753
September	303,470	97,489	26,950	427,909	341,207	118,780	51,578	511,565
October	446,017	85,749	15,129	546,855	321,293	129,733	45,509	496,335
November	323,035	92,657	14,781	430,483	297,062	113,515	34,948	415,555
December	303,450	69,637	6,734	379,821	248,398	46,348	7,056	301,862
Total	8,173,043	729,458	117,416	4,019,917	2,955,954	996,127	304,009	4,256,090
BITUMINOUS—								
January	834,784	4,892	35	839,711	850,111	800	.....	850,911
February	713,499	2,971	.....	716,470	673,315	3,498	10	676,823
March	920,070	170	.....	920,210	797,599	5	.....	797,604
April	591,351	2,735	.....	594,086	532,204	2,800	.....	535,004
May	1,256,003	16,996	.....	1,272,999	1,035,101	25,523	.....	1,060,626
June	1,417,991	26,441	.....	1,441,432	1,463,150	17,988	.....	1,481,138
July	1,731,400	11,525	.....	1,742,920	1,442,013	27,291	20	1,169,324
August	1,525,787	8,111	.....	1,533,897	1,416,961	15,620	3	1,432,587
September	1,496,010	19,360	.....	1,515,375	1,510,255	24,019	.....	1,531,233
October	1,610,882	7,874	41	1,618,798	1,444,240	22,132	.....	1,465,372
November	1,455,332	11,245	.....	1,466,577	1,118,665	3,654	.....	1,122,319
December	916,722	3,048	.....	919,776	915,459	2,868	.....	918,327
Total	14,469,831	115,368	76	14,585,275	13,109,076	146,190	33	13,345,308
LIGNITE—								
January	1,680	.....	.....	1,680	2,593	.....	.....	2,593
February	2,747	.....	.....	2,747	2,311	.....	.....	2,311
March	1,258	.....	.....	1,258	806	.....	.....	806
April	1,030	.....	.....	1,030	383	.....	.....	383
May	571	.....	.....	571	383	.....	.....	383
June	252	.....	.....	252	294	.....	.....	294
July	38	.....	.....	38	989	.....	.....	989
August	414	.....	.....	414	258	.....	.....	258
September	822	.....	.....	822	1,028	.....	.....	1,028
October	1,520	.....	.....	1,528	3,115	.....	.....	3,115
November	1,761	.....	.....	1,761	3,613	.....	.....	3,613
December	2,015	.....	.....	2,015	2,903	.....	.....	2,903
Total	14,108	.....	.....	14,108	18,676	.....	.....	18,676

Table 21.—Average Imports of Coal into Central Canada by Principal Areas for the Five Years, 1926-1930

(Short tons)

Destination	Anthracite			Total bituminous	Total all grades
	Egg, nut, etc.	Dust	Total		
Quebec	109,374	5,925	115,299	118,226	233,525
Montreal	1,275,597	177,410	1,453,007	1,253,824	2,706,831
Ottawa	225,228	40,026	265,254	987,743	1,252,997
Kingston	99,603	2,574	102,177	228,745	330,922
Toronto	1,483,251	92,859	1,576,110	5,310,356	6,886,466
Windsor	271,990	4,376	276,366	3,121,306	3,397,672
Total	3,465,043	323,170	3,788,213	11,630,200	14,886,413



Key to the Ports of Entry Shown on the Map

QUEBEC AREA—	OTTAWA AREA—	TORONTO AREA—Con.	TORONTO AREA—Con.
1 Quebec City	16 Ottawa	32 Oshawa	51 Simcoe
2 Megantic	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 Three Rivers		38 Port McNicoll	WINDSOR AREA—
5 Sorel	KINGSTON 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 Beebe Junction	28 Trenton	46 Kitchener	63 Sarnia
13 Mansenville	TORONTO AREA—	47 Galt	64 Wallaceburg
14 St. Armand	29 Cobourg	48 Paris	65 Chatham
15 Athelstan	30 Port Hope	49 Brantford	66 Amherstburg
	31 Bowmanville	50 Hamilton	67 Windsor

Table 22.—Average Imports of Coal into Canada by Kinds and by Provinces for the Five Years, 1926-1930

(Short tons)

Destination	Anthracite			Total bituminous	Lignite	Total all grades
	Egg, nut, etc.	Dust	Total			
Prince Edward Island.....	5,550	1,018	6,568	5,163		11,731
Nova Scotia.....	61,931	2	61,933	33,350		95,283
New Brunswick.....	97,911	1,449	99,360	78,449		177,809
Quebec.....	1,414,997	188,991	1,603,988	1,504,629		3,108,617
Central Ontario.....	2,077,796	139,874	2,217,670	10,932,382		13,150,062
Head of Lakes.....	58,681	429	59,110	1,507,065		1,546,175
Total Ontario.....	2,136,477	140,303	2,276,780	12,439,457		14,716,237
Manitoba.....	9,304	2,998	12,302	90,587	379	103,288
Manitoba and Head of Lakes.....	67,985	3,427	71,412	1,597,652	379	1,669,443
Saskatchewan.....	452		452	2,172	167	2,791
Alberta.....				1,375		1,375
British Columbia.....	2,690	4	2,703	20,322	12,417	35,442
Yukon.....				26		26
Canada.....	3,729,321	334,765	4,064,086	14,175,530	12,963	18,252,579

Table 23.—Summary Statistics for 1926-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 except as noted	Coal available for consumption
	Output	Received from other provinces	Shipped to other provinces	Exported				
PRINCE EDWARD ISLAND—					5,344			5,344
Anthracite.....		87,230			1,622			88,852
Bituminous.....								
Total.....		87,230			6,966			94,196
Nova Scotia—								
Anthracite.....					39,194	11,523	2,240	52,957
Bituminous.....	6,747,477		2,536,796	559,546	23,921		(a) 100	3,675,156
Total.....	6,747,477		2,536,796	559,546	63,115	11,523	2,340	3,728,113
NEW BRUNSWICK—								
Anthracite.....					61,704	35,197		98,901
Bituminous.....	173,111	483,995	2,754	24,897	97,548	110		727,113
Lignite.....		32		32				
Total.....	173,111	484,027	2,754	24,920	159,252	35,307		824,014
QUEBEC—								
Anthracite.....					1,253,246	207,899	(b) 83,475	1,544,590
Bituminous.....		1,968,325		675	1,783,980	3,005		3,764,705
Lignite.....		221						221
Total.....		1,968,546		675	3,047,236	210,934	83,475	5,309,516
CENTRAL ONTARIO—								
Anthracite.....					2,444,280	12,589	(c) 1,895	2,458,674
Bituminous.....				600	10,531,095			10,530,495
Sub-bituminous.....		*4,725						*4,725
Lignite.....		*72,564						*72,564
Total.....		77,289		600	12,975,375	12,589	1,805	13,066,458
MANITOBA AND HEAD OF LAKES—								
Anthracite.....					78,800			78,800
Bituminous.....		69,348		1,859	1,314,387			1,381,878
Sub-bituminous.....		68,400						68,400
Lignite.....		663,266		2,793				669,473
Total.....		801,023		4,652	1,303,187			2,189,558
SASKATCHEWAN—								
Anthracite.....					464			464
Bituminous.....		110,253		1,638	1,887			110,502
Sub-bituminous.....		54,515						54,515
Lignite.....	439,803	1,174,610	204,728	4,458				1,405,227
Total.....	439,803	1,339,378	204,728	6,096	2,351			1,570,708
ALBERTA—								
Bituminous.....	2,858,456	28,145	164,168	519	1,515			2,723,429
Sub-bituminous.....	489,736		149,486					340,250
Lignite.....	3,155,513		1,778,014	112				1,377,387
Total.....	6,503,705	28,145	2,091,668	631	1,515			4,441,066
BRITISH COLUMBIA—								
Anthracite.....					752	4,992		5,744
Bituminous.....	2,613,719	34,920	78,408	423,217	31,980	729	(d) 303	2,179,916
Sub-bituminous.....		21,837						21,837
Lignite.....		72,049		7,854	10,384	39		74,618
Total.....	2,613,719	128,806	78,408	431,071	43,096	5,760	303	2,282,115
Yukon—								
Bituminous.....	316				10			326
Total.....	316				10			326
CANADA—								
Anthracite.....					3,883,784	272,170	87,520	4,243,474
Bituminous.....	12,393,079	2,782,216	2,782,216	1,012,951	13,797,935	3,904	403	25,182,370
Sub-bituminous.....	489,736	149,486	149,486					489,736
Lignite.....	3,595,316	1,982,742	1,982,742	15,249	10,384	39		3,590,480
Total.....	16,478,131	4,914,444	4,914,444	1,028,200	17,692,103	276,113	(e) 87,923	33,506,070

(a) Imported from the Netherlands. (b) Includes 37,755 tons imported from the Netherlands. (c) Includes 47 tons imported from the Netherlands. (d) Imported from Japan. (e) Includes 37,902 tons imported from the Netherlands also 303 tons from Japan. *Includes all coal shipped to any point in Ontario from western mines.

Table 24.—Summary Statistics for 1927-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.....					3,814	3,210		7,024
Bituminous.....		85,268			5,050			90,318
Total.....		85,268			8,804	3,210		97,342
NOVA SCOTIA—								
Anthracite.....					29,522	29,864		59,386
Bituminous.....	7,071,876		2,856,984	529,967	37,155			3,722,080
Total.....	7,071,876		2,856,984	529,967	66,677	29,864		3,781,466
NEW BRUNSWICK—								
Anthracite.....					70,468	31,192		101,660
Bituminous.....	203,950	469,774	9,083	\$55,354	95,559	17		704,863
Total.....	203,950	469,774	9,083	55,354	166,927	31,209		806,523
QUEBEC—								
Anthracite.....					952,837	709,709	(a) 9,973	1,072,519
Bituminous.....		2,307,185		91	1,572,692	140,267		4,020,053
Lignite.....								
Total.....		2,307,185		91	2,525,529	849,976	9,973	5,692,572
CENTRAL ONTARIO—								
Anthracite.....					2,113,072	10,494		2,123,566
Bituminous.....		*35			11,663,542			11,663,577
Sub-bituminous.....		1,813						1,813
Lignite.....		*22,777		410				22,387
Total.....		24,625		410	13,776,614	10,494		13,811,323
MANITOBA AND HEAD OF LAKE—								
Anthracite.....					95,168			95,168
Bituminous.....		80,922		907	1,638,245			1,727,260
Sub-bituminous.....		75,978						75,978
Lignite.....		682,405		4,580				677,825
Total.....		848,305		5,487	1,733,413			2,576,231
SASKATCHEWAN—								
Anthracite.....					484			484
Bituminous.....		133,510		48	2,141			135,603
Sub-bituminous.....		72,504						72,504
Lignite.....	470,216	1,274,110	228,916	6,247				1,509,163
Total.....	470,216	1,480,124	228,916	6,295	2,625			1,717,754
ALBERTA—								
Bituminous.....	2,984,513	40,854	218,700	409	1,324			2,807,582
Sub-bituminous.....	596,155		183,577					412,578
Lignite.....	3,353,494		73	1,852,203	176			1,501,188
Total.....	6,034,162	40,927	2,254,480	585	1,324			4,731,348
BRITISH COLUMBIA—								
Anthracite.....								3,812
Bituminous.....	2,746,243	51,347	93,128	498,782	22,292			2,228,320
Sub-bituminous.....		33,282						33,282
Lignite.....		101,754			16,358	10,829		96,223
Total.....	2,746,243	186,383	93,128	515,140	33,167	3,791	323	2,361,639
YUKON—								
Bituminous.....		414			1	8		421
Total.....		414			1	8		421
CANADA—								
Anthracite.....								
Bituminous.....	13,000,996	3,177,895	3,177,895	1,085,559	3,263,411	788,235	(a) 9,973	4,003,619
Sub-bituminous.....	596,155	181,577	183,577		15,038,008	140,309	(b) 323	27,100,077
Lignite.....	3,823,710	2,081,119	2,081,119	27,771	10,829			596,155
Total.....	17,426,861	5,442,591	5,442,591	1,113,330	18,314,248	928,544	10,296	35,568,619

(a) Includes 5,155 tons from the Netherlands and 1,818 tons from Germany. (b) Imported from Japan.

*Includes all coal shipped to any point in Ontario from western mines.

† Includes 11 tons of Saskatchewan lignite shipped through Saint John, N.B.

Table 25.—Summary Statistics for 1928—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.....		78,062		76	3,765			3,765
Bituminous.....					4,076			82,062
Total.....		78,062		76	7,841			85,827
NOVA SCOTIA—								
Anthracite.....					29,815	29,314		59,129
Bituminous.....	6,743,504		2,864,254	344,379	27,473	4,381		3,568,725
Total.....	6,743,504		2,864,254	344,379	57,288	33,605		3,625,854
NEW BRUNSWICK—								
Anthracite.....					39,615	34,061		73,676
Bituminous.....	207,738	400,684	101	25,740	49,484	1,083		633,148
Total.....	207,738	400,684	101	25,740	89,099	35,144		706,824
QUEBEC—								
Anthracite.....					902,155	441,465	(a) 7,635	1,351,255
Bituminous.....		2,332,246		440	1,303,607	137,549	(b) 2	3,822,964
Total.....		2,382,246		440	2,205,762	579,014	7,637	5,174,219
CENTRAL ONTARIO—								
Anthracite.....					2,159,657	19,407		2,179,004
Bituminous.....		33		4	10,643,002			10,643,031
Sub-bituminous.....		*13,061						13,061
Lignite.....		*32,187		32				33,155
Total.....		45,281		36	12,802,659	19,407		12,867,311
MANITOBA AND HEAD OF LAKES—								
Anthracite.....					67,624			67,624
Bituminous.....		47,340		479	1,772,948			1,819,809
Sub-bituminous.....		96,230						96,250
Lignite.....		684,820		3,009				681,211
Total.....		828,410		4,088	1,840,572			2,664,894
SASKATCHEWAN—								
Anthracite.....					579			579
Bituminous.....		139,454		52	2,536			141,938
Sub-bituminous.....		85,915						85,915
Lignite.....	471,713	1,341,217	223,551	7,754	60			1,581,685
Total.....	471,713	1,566,586	223,551	7,806	3,175			1,810,117
ALBERTA—								
Anthracite.....								
Bituminous.....	3,215,494	56,097	220,840	241	1,360			3,051,870
Sub-bituminous.....	740,496		234,003					506,493
Lignite.....	3,380,340		1,970,026	602				1,409,712
Total.....	7,336,330	56,097	2,424,869	843	1,360			4,968,075
BRITISH COLUMBIA—								
Anthracite.....					21	2,220		2,241
Bituminous.....	2,804,594	93,348	112,069	458,063	17,510	1,132		2,346,422
Sub-bituminous.....		38,777						38,777
Lignite.....		135,353		22,440	10,720			123,633
Total.....	2,804,594	267,478	112,069	480,533	28,251	3,352		2,511,073
YUKON—								
Bituminous.....		414			40			454
Total.....		414			40			454
CANADA—								
Anthracite.....								
Bituminous.....	12,971,744	3,197,264	3,197,264	829,504	3,203,231	526,467	7,635	3,737,333
Sub-bituminous.....	740,496	234,003	234,003		13,822,036	144,145	2	26,108,423
Lignite.....	3,852,053	2,193,577	2,193,577	34,437	10,780			740,496
Total.....	17,564,293	5,624,844	5,624,844	863,941	17,036,047	670,612	7,637	34,414,648

(a) Includes 6,204 tons from Russia, 1,102 tons from the Netherlands, 328 tons from British South Africa and 1 ton from Belgium.

(b) Imported from Newfoundland.

*Includes all coal shipped to any point in Ontario from western mines.

Table 26.—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.....					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.....								
Bituminous.....	7,056,133		2,889,053	331,176	26,695	31,612	(a) 5,601	63,908
Total.....	7,056,133		2,889,053	331,176	14,153	21,991		3,852,048
NEW BRUNSWICK—								
Anthracite.....	218,706	427,236	295	20,609	45,108	52,709	(a) 12,697	110,514
Bituminous.....					75,767	341		701,146
Total.....	218,706	427,236	295	20,609	120,875	53,050	12,697	811,680
QUEBEC—								
Anthracite.....								
Bituminous.....	2,372,541			130	831,296	598,784	(a) 99,006	1,529,086
Total.....	2,372,541			130	1,242,180	92,941	(b) 78	3,707,808
CENTRAL ONTARIO—								
Anthracite.....								
Bituminous.....				110	2,202,236	44,130		2,246,366
Sub-bituminous.....	*10,195				11,332,168			11,332,058
Lignite.....	*46,074			36				10,195
Total.....	56,269			146	13,534,404	44,130		46,038
13,634,657								
MANITOBA AND HEAD OF LAKES—								
Anthracite.....								
Bituminous.....	46,804			397	61,901			61,901
Sub-bituminous.....	91,867				1,774,346			1,820,733
Lignite.....	686,208			2,937	1,896			91,867
Total.....	824,939			3,334	1,838,143			685,227
2,659,748								
SASKATCHEWAN—								
Anthracite.....								
Bituminous.....	150,612			76	365			365
Sub-bituminous.....	74,560				2,477			153,013
Lignite.....	580,189	1,300,783	231,858	8,151	41			74,560
Total.....	580,189	1,525,955	231,858	8,227	2,883			1,641,004
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
2,193,180								
BRITISH COLUMBIA—								
Anthracite.....								
Bituminous.....	2,490,378	52,402	111,925	438,286	485		(c) 112	507
Sub-bituminous.....		53,681			18,364	95		2,011,028
Lignite.....		135,707		20,004		12,171		53,681
Total.....	2,490,378	241,790	111,925	458,290	31,020	95	112	127,874
2,193,180								
YUKON—								
Bituminous.....	458				67			525
Total.....	458				67			525
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		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	117,416	35,272,885

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

*Includes all coal shipped to any point in Ontario from western mines.

Table 27.—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	1,406			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	24,724	100,624	60,879	24,880	813,620	
QUEBEC—									
Anthracite				754,897	803,928	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							33	
Total	1,894,094			200	1,866,708	1,028,859	252,187	11,513	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			32				5,729	
Lignite	• 25,843							25,811	
Total	31,712			70	12,572,832			12,602,744	
MANITOBA AND HEAD OF LAKES—									
Anthracite				53,564				53,564	
Bituminous	87,548			433	1,488,336			1,575,434	
Sub-bituminous	74,031							74,031	
Lignite	614,287			1,989				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	225,475	6,059	736			1,449,224	
Total	579,424	1,291,119	226,475	6,075	2,919			1,640,912	
ALBERTA—									
Bituminous	2,278,467	34,444	179,702	99	1,351			2,134,404	
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			(c) 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	239,566	26,820		1,122	1,987,320	
YUKON—									
Bituminous	653				7			660	
Total	653				7			660	
CANADA—									
Anthracite							(c) 1,122	1,123	
Bituminous	10,824,830	2,716,594	2,716,594	594,490	2,955,954	996,127	291,407	12,602	
Sub-bituminous	603,358	193,321	193,321		13,199,076	146,199		33	
Lignite	3,453,127	1,876,811	1,876,811	30,022	18,676			23,575,657	
Total	14,881,324	4,786,726	4,786,726	624,512	16,173,766	1,142,326	291,407	12,635	
								31,876,886	

(a) Imported from Germany. (ab) Imported from Newfoundland. (c) Imported from French East Indies.

*Includes all coal shipped to any point in Ontario from western mines.

Table 28.—Coal Made Available for Consumption in Canada, 1929 and 1930
(Short tons)

Month	1929				1930			
	Output	Imports	Exports	Coal made available for use	Output	Imports	Exports	Coal made available for use
January.....	1,585,072	1,118,117	89,414	2,613,775	1,643,623	1,200,833	71,356	2,773,100
February.....	1,649,960	1,035,573	76,464	2,609,060	1,194,711	1,043,041	45,801	2,191,051
March.....	1,387,696	1,190,140	74,235	2,503,601	1,136,765	1,065,380	35,830	2,166,315
April.....	1,395,817	734,619	31,660	2,098,776	913,203	660,462	14,731	1,558,934
May.....	1,404,861	1,567,834	62,436	2,910,259	1,124,545	1,373,573	38,900	2,459,218
June.....	1,380,774	1,784,500	80,227	3,035,047	1,151,963	1,887,497	68,362	2,371,098
July.....	1,316,153	2,023,309	49,781	3,289,681	1,058,424	1,781,283	21,551	2,816,153
August.....	1,362,166	1,883,468	65,187	3,180,447	1,111,676	1,800,598	88,341	2,823,933
September.....	1,410,020	1,044,101	78,211	3,275,910	1,252,902	2,040,866	67,384	3,232,384
October.....	1,508,059	2,167,212	82,964	3,682,907	1,659,315	1,986,022	47,250	3,578,078
November.....	1,534,386	1,898,821	74,926	3,358,281	1,340,694	1,571,487	62,266	2,858,915
December.....	1,490,993	1,301,606	77,467	2,715,132	1,284,503	1,223,032	60,728	2,446,807
Total.....	17,496,557	18,619,300	842,972	35,272,883	14,881,324	17,620,074	624,512	31,876,886

Table 29.—Annual Consumption of Coal in Canada, 1902-1930

Calendar year	Imported coal "entered for consumption"						Total	Per capita		
	Canadian		From U.S.A.	From Great Britain	Total*					
	Short tons	%			Short tons	Short tons				
1902.....	5,376,413	53.1	4,650,286	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	7,238,809	83,687	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	15,885,885	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	10,455,424	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	2,682		
1910.....	10,532,103	50.2	10,545,451	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	24,247,698	3,365		
1912.....	12,385,696	46.0	14,557,124	38,668	14,549,104	54.0	26,934,800	3,657		
1913.....	13,450,158	42.6	18,145,769	37,925	18,132,387	57.4	25,582,325	4,196		
1914.....	12,214,403	45.5	14,687,853	33,101	14,637,920	54.5	26,852,323	3,490		
1915.....	11,500,480	48.1	12,450,796	15,001	12,406,212	51.9	23,906,692	3,041		
1916.....	12,348,036	41.3	17,576,202	4,401	17,517,820	58.7	29,865,856	3,717		
1917.....	12,313,603	37.2	20,848,009	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	4,173		
1919.....	11,611,168	40.3	17,292,913	344	17,230,269	59.7	28,847,437	3,402		
1920.....	14,025,566	42.9	18,732,981	.....	18,668,741	57.1	32,694,307	3,788	
1921.....	12,715,734	41.1	18,300,081	1,591	18,258,387	58.0	30,974,121	3,524		
1922.....	13,044,352	50.2	12,255,555	765,986	12,002,189	49.8	26,006,541	2,909		
1923.....	15,070,902	41.8	20,417,239	572,570	20,907,971	58.2	36,038,933	3,968		
1924.....	12,529,358	42.8	16,405,344	317,112	16,714,143	57.2	29,243,501	3,100		
1925.....	12,125,290	42.6	15,744,957	604,117	16,331,071	57.4	28,457,261	3,039		
1926.....	15,086,296	47.7	16,204,405	287,299	16,565,555	52.3	31,631,851	3,371		
1927.....	15,944,983	46.0	17,769,963	907,220	18,680,832	54.0	34,625,815	3,638		
1928.....	16,487,807	48.9	16,515,149	682,755	17,200,013	51.1	33,687,850	3,488		
1929.....	16,387,461	47.4	17,243,017	843,502	18,186,727	52.6	34,574,188	3,529		
1930.....	14,052,671	42.8	17,323,818	1,144,861	18,763,024	57.2	32,516,595	3,303		

*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.

Table 30.—Coke made Available for Consumption in Canada, with the Coal Equivalent of the Imported Coke, 1902-1930

Year	Output	Imports	*Exports	Coke made available for consumption	Coal equivalent of imported coke	
					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	.110
1906	782,055	501,942	37,003	1,246,994	772,218	.122
1907	842,003	624,649	70,617	1,396,035	960,997	.147
1908	858,257	426,971	58,708	1,226,520	656,878	.096
1909	862,011	661,425	74,067	1,449,309	1,017,576	.146
1910	902,715	737,088	57,971	1,581,832	1,133,980	.160
1911	635,651	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	1,539,499	723,906	68,235	2,188,170	1,113,700	.147
1914	1,023,860	553,046	67,838	1,509,068	850,839	.110
1915	1,170,473	637,857	35,860	1,772,461	981,337	.126
1916	1,469,741	757,116	48,539	2,178,318	1,164,793	.144
1917	1,245,802	970,100	23,555	2,192,373	1,492,469	.182
1918	1,250,744	1,165,590	29,612	2,386,722	1,793,213	.215
1919	1,675,032	383,374	14,709	2,043,697	589,805	.069
1920	1,708,203	580,406	39,536	2,255,073	902,162	.104
1921	1,403,999	228,030	20,907	1,671,122	350,815	.039
1922	1,232,646	336,270	19,831	1,519,055	517,338	.058
1923	1,668,298	733,604	34,407	2,367,495	1,128,820	.125
1924	1,436,912	521,725	23,144	1,935,493	802,653	.087
1925	1,546,739	852,427	25,578	2,373,585	1,311,405	.141
1926	2,027,058	998,034	41,609	2,973,393	1,520,051	.161
1927	2,026,438	772,235	74,109	2,724,564	1,188,053	.123
1928	2,314,127	1,060,029	25,058	3,349,098	1,630,812	.168
1929	2,677,581	1,226,853	25,208	3,879,226	1,887,464	.193
1930	2,385,894	1,061,040	20,801	3,417,233	1,632,368	.164

* Previous to 1925 export of petroleum coke was included.

Table 31.—Annual Consumption of Coal by Railroad Locomotives in Canada, 1911-1930
(Compiled in the Transportation Branch)

Year	Anthracite		Bituminous		Total	
	Short tons	Value	Short tons	Value	Short tons	Value
Year ended June 30—		\$		\$		\$
1911	6,444		6,769,903		6,776,347	
1912	5,374		7,732,938		7,738,312	
1913	4,662		9,040,963		9,045,625	
1914	5,271		8,268,186		8,273,457	
1915	3,691		6,673,845		6,677,536	
1916	4,899		8,672,455		8,677,354	
1917	4,900		9,783,524		9,788,424	
1918	3,283		9,830,623		9,839,966	
1919	4,430		9,136,593		9,141,023	
Calendar year—						
1920	4,270		10,372,687		10,376,957	
1921	9,681		8,784,607		8,794,288	
1922	8,721	70,523	9,032,366	57,638,011	9,041,087	57,706,534
1923	15,184	97,243	9,925,792	58,480,294	9,910,976	58,586,537
1924	12,400	69,496	9,003,116	49,592,428	9,015,516	49,661,324
1925	12,809	61,066	8,809,069	44,954,692	8,822,778	45,015,758
1926	13,636	61,420	9,294,051	44,111,138	9,307,687	44,172,558
1927	12,570	58,857	9,487,390	44,728,524	9,499,960	44,787,381
1928	10,708	64,166	10,313,198	47,173,847	10,321,996	47,238,013
1929	11,409	70,091	9,628,711	43,130,696	9,640,120	43,200,790
1930	7,062	33,249	8,251,167	36,292,562	8,258,729	36,323,811

Table 32.—Average Price per Short Ton of Canadian Coal at the Mines by Grades for each District and Province, 1929 and 1930

District	Run-of-Mine				Screened				Slack			
	1929		1930		1929		1930		1929		1930	
	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
NOVA SCOTIA—												
Cape Breton.....	3.88	3.74	3.92	3.73	5.34	4.17	5.20	4.27	2.11	1.10	2.21	1.27
Cumberland.....	4.26	3.72	4.18	3.75	4.90	4.39	4.99	4.20	2.21	1.50	2.21	1.49
Inverness.....	5.13	3.00	5.13	3.00	7.05	5.00	7.05	3.00	2.29	1.00	2.29	1.00
Pictou.....	5.27	4.74	5.11	4.68	6.45	5.27	6.44	5.27	3.45	3.14	3.47	3.16
Average.....	4.42	3.14	4.37	3.90	5.67	4.63	5.58	4.33	2.51	1.75	2.50	1.72
NEW BRUNSWICK.....	3.98	3.55	3.78	3.38	4.73	4.22	4.91	4.28	2.50	2.21	2.52	2.31
SASKATCHEWAN.....	2.27	2.02	2.20	1.83	2.36	2.15	2.30	1.80	1.26	0.91	1.28	0.96
ALBERTA—												
Bituminous—												
Cascade.....	5.00	4.10	5.00	4.15	7.95	4.00	7.95	3.40	3.50	3.50	3.50	3.50
Crowsnest.....	4.13	3.57	3.68	3.22	5.11	4.56	4.63	4.13	2.46	2.20	2.63	2.02
Mountain Park.....	3.92	3.33	3.92	3.42	.....	.....	.....	.....	.....	.....	.....	.....
Nordegg.....	3.50	3.50	3.50	3.50	.....	.....	.....	.....	.....	.....	.....	.....
Average bituminous.....	4.10	3.55	3.87	3.35	5.52	4.48	5.00	4.06	2.59	2.35	2.72	2.17
Sub-bituminous—												
Coalspur.....	3.33	3.16	3.62	2.88	4.71	3.22	4.35	3.16	1.05	0.84	1.32	1.00
Pekisko.....	3.95	3.33	3.88	3.88	.....	.....	.....	.....	.....	.....	.....	.....
Pincher.....	3.00	3.00	3.00	3.00	4.00	4.00	4.25	3.75	1.5	1.25	1.12	0.75
Prairie Creek.....	.....	.....	3.50	3.50	5.50	2.25	4.82	3.32	1.15	1.15	1.15	1.15
Saunders.....	4.40	4.15	4.32	4.28	5.81	4.12	6.02	4.00	1.36	1.00	1.37	1.17
Average sub-bituminous.....	3.59	3.33	3.73	3.38	4.47	3.42	4.04	3.39	1.15	0.97	1.28	1.00
Lignite—												
Ardley.....	3.00	3.00	2.75	2.62	4.00	2.50	.....	.....	.....	.....	.....	.....
Big Valley.....	3.19	2.54	2.85	2.55	3.55	3.55	3.58	2.83	1.00	1.00	.....	.....
Brooks.....	.....	.....	.....	.....	4.00	3.00	4.00	3.00	.....	.....	.....	.....
Camrose.....	1.85	1.75	2.67	1.92	3.12	2.17	3.47	2.27	0.55	0.33	0.50	0.47
Carbon.....	3.13	2.79	2.83	2.64	3.58	2.64	3.56	2.56	0.55	0.53	0.56	0.47
Castor.....	2.61	2.36	2.14	1.92	2.75	2.75	2.39	2.39	0.75	0.75	.....	.....
Champion.....	.....	.....	4.00	4.00	4.37	4.37	4.00	4.00	2.00	2.00	2.00	2.00
Drumheller.....	3.58	3.17	3.19	2.89	4.07	2.86	4.06	2.74	0.67	0.42	0.68	0.44
Edmonton.....	2.44	2.07	2.38	2.11	3.29	2.39	3.31	2.43	0.73	0.54	0.74	0.55
Gleichen.....	.....	.....	5.50	5.50	2.50	2.50	5.50	2.50	.....	.....	.....	.....
Halcourt.....	.....	.....	3.00	3.00	5.00	4.00	5.00	5.00	1.00	1.00	1.00	1.00
Lethbridge.....	3.75	3.63	4.08	4.08	5.43	3.25	4.89	3.33	0.92	0.53	0.92	0.65
Magrath.....	2.50	2.50	.....	.....	5.00	5.00	5.00	3.50	.....	.....	.....	.....
Mile River.....	.....	.....	4.00	4.00	5.00	5.00	5.00	5.00	.....	.....	.....	.....
Pakowski.....	3.00	3.00	2.75	2.75	.....	.....	3.50	3.50	.....	.....	.....	.....
Penubina.....	1.89	1.89	2.02	1.49	3.62	1.38	3.50	1.82	1.12	0.65	1.20	0.85
Redcliff.....	3.00	2.00	2.37	2.00	3.75	2.50	3.38	2.75	0.50	0.50	0.50	0.50
Sheerness.....	2.75	2.62	2.52	2.40	2.94	2.60	2.62	2.12	1.00	1.00	.....	.....
Slave Lake.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Steveville.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Taber.....	2.75	2.75	2.38	2.37	3.80	2.95	3.22	3.18	.....	.....	0.60	0.60
Tofield.....	1.72	1.42	1.88	1.60	2.50	2.25	2.88	1.62	1.00	1.00	1.00	1.00
Wetaskiwin.....	.....	.....	2.50	2.50	.....	.....	2.50	2.00	.....	.....	.....	.....
Whitecourt.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Average lignite.....	2.73	2.45	2.62	2.40	3.83	2.86	3.72	2.77	0.76	0.54	0.74	0.54
Average for Alberta.....	3.04	2.72	2.93	2.65	4.06	3.03	3.92	2.94	1.03	0.81	1.00	0.83
BRITISH COLUMBIA—												
Crow's Nest Pass.....	4.49	4.10	4.25	3.11	5.47	4.79	5.77	4.75	2.37	2.31	3.62	2.30
Inland.....	4.52	4.47	4.17	3.04	5.21	4.39	4.93	4.19	1.86	1.58	1.79	1.51
Island.....	4.69	4.60	4.20	4.20	5.68	5.23	5.56	5.00	3.04	3.04	2.03	2.03
Average.....	4.54	4.40	4.19	3.82	5.44	4.79	5.36	4.69	2.20	2.02	2.17	1.81
YUKON.....	.....	.....	.....	.....	8.00	8.00	10.00	10.00	.....	.....	.....	.....
Canada.....	3.21	2.82	3.16	2.81	4.26	3.37	4.16	3.23	1.48	1.13	1.44	1.13

Table 33.—Yearly Average Retail Prices of Coal in Canada by Principal Municipalities,
1928-1930

(Compiled in the *Internal Trade Branch*)

Province and municipality	Anthracite			Bituminous		
	1928	1929	1930	1928	1929	1930
	\$	\$	\$	\$	\$	\$
PRINCE EDWARD ISLAND—						
Charlottetown.....				10.13	10.12	10.12
NOVA SCOTIA—						
Amherst.....				9.25	9.25	9.25
Halifax.....				10.95	10.88	10.87
Truro.....				10.25	10.25	10.25
NEW BRUNSWICK—						
Bathurst.....				10.50	10.00	10.00
Fredericton.....				11.42	11.06	11.60
Moncton.....				10.38	10.68	11.00
St. John.....				12.48	12.46	12.37
QUEBEC—						
Hull.....	15.50	15.50	15.50			
Montreal.....	15.09	15.79	15.90			
Quebec.....	15.75	15.61	15.26			
St. Hyacinthe.....	15.19	14.92	14.62			
St. Johns.....	14.21	14.29	14.21			
Sherbrooke.....	15.67	15.85	16.08			
Sorel.....	14.20	14.47	14.38			
Three Rivers.....	14.71	14.81	14.75			
ONTARIO—						
Belleville.....	15.43	15.33	15.22			
Brantford.....	15.04	15.42	15.00			
Brockville.....	15.36	15.23	15.04			
Chatham.....	15.25	15.25	15.50			
Fort William.....	17.25	17.00	16.75			
Galt.....	15.17	15.25	15.06			
Guelph.....	15.02	14.96	15.04			
Hamilton.....	15.04	15.08	14.92			
Kingston.....	15.06	14.83	14.75			
Kitchener.....	15.33	15.69	15.92			
London.....	15.63	15.75	15.54			
Niagara Falls.....	13.72	13.70	13.85			
Orillia.....	15.76	16.00	15.75			
Ottawa.....	15.50	15.50	15.50			
Owen Sound.....	15.34	15.17	15.04			
Peterborough.....	15.17	15.29	15.23			
Port Arthur.....	17.25	17.25	17.25			
St. Catharines.....	15.00	14.88	14.58			
St. Thomas.....	15.92	15.63	15.42			
Sault Ste. Marie.....	15.75	15.75	15.75			
Stratford.....	15.42	15.42	15.33			
Toronto.....	15.08	15.09	15.17			
Windsor.....	15.58	15.59	15.50			
Woodstock.....	14.54	15.04	15.06			
MANITOBA—						
Brandon.....				11.38	11.50	11.50
Winnipeg.....				12.00	12.00	12.00
SASKATCHEWAN—						
Moose Jaw.....				10.00	10.00	10.00
Prince Albert.....				10.00	10.00	10.00
Regina.....				10.49	10.59	10.50
Saskatoon.....				9.75	9.75	9.75
ALBERTA—						
Calgary ... (Drum heller lump.....)				8.50	8.50	8.50
Edmonton Lump.....				9.25	9.25	9.25
Edmonton.....				5.75	5.75	5.75
BRITISH COLUMBIA—						
Nelson.....				11.50	11.50	11.50
New Westminster.....				11.75	11.79	11.71
Prince Rupert.....				11.50	11.58	12.00
Trail.....				11.00	11.00	11.00
Vancouver.....				11.92	11.90	11.62
Victoria.....				11.73	11.34	11.46

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 1929 and 1930

		1929			1930		
		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	3.777	2.717	.270	3.703	2.803	.321	
Cumberland	4.525	2.908	.506	4.310	2.870	.509	
Inverness	4.392	3.541	.403	4.307	3.611	.458	
Pictou	4.781	3.263	.271	4.815	3.400	.321	
Total Nova Scotia	3.978	2.813	.306	3.923	2.900	.348	
NEW BRUNSWICK—(Bituminous)	4.157	2.714	.140	4.128	2.725	.121	
SASKATCHEWAN—(Lignite)—	1.712	1.035	.073	1.672	.942	.074	
ALBERTA—							
Bituminous—							
Cascade	4.085	2.111	.260	4.108	2.381	.317	
Crowsnest	3.495	2.013	.182	3.457	2.130	.241	
Mountain Park	3.354	1.998	.098	3.386	1.857	.125	
Nordegg	3.493	2.047	.132	3.491	2.053	.152	
Total Bituminous	3.507	2.020	.158	3.499	2.059	.203	
Sub-bituminous—							
Coalspur	2.633	1.780	.072	2.631	1.773	.083	
Pekisko	3.596	1.882	.012	2.361	1.344	.007	
Pincher	3.309	2.130	.017	3.321	1.818	.029	
Prairie Creek*	2.718	11.755	.193	3.108	4.618	.367	
Saunders	4.227	3.047	.155	4.291	3.172	.219	
Total Sub-bituminous	2.854	2.051	.631	2.826	1.996	.104	
Lignite—							
Ardley	2.965	1.721	.037	2.600	1.092	...	
Big Valley	2.860	1.530	.011	2.606	.874	.050	
Brooks	3.969	2.628	...	3.990	2.663	...	
Camrose	2.379	1.635	.028	2.369	1.595	.034	
Carbon	2.595	1.851	.071	2.474	1.659	.065	
Castor	2.267	1.080	.026	2.250	1.000	.033	
Champion	4.137	1.905	...	3.927	1.579	.001	
Drumheller	3.128	2.169	.081	3.030	1.972	.082	
Edmonton	2.235	1.511	.047	2.130	1.474	.035	
Gleichen	5.122	2.148	.484	4.557	1.880	.327	
Halcourt	4.091	2.480	...	4.358	3.389	...	
Lethbridge	3.827	2.600	.078	3.811	2.673	.105	
Magrath	3.486	1.371	...	3.937	1.977	.025	
Milk River	4.782	1.088	.073	4.092	3.653	.004	
Pakowki	2.855	1.529	...	2.842	1.663	...	
Pembina	2.103	1.760	.057	2.035	1.603	.077	
Redcliff	2.365	1.878	.087	2.253	1.529	.048	
Rochester	...	...	...	1.485	3.000	...
Sheerness	2.356	.964	.121	2.229	.940	.091	
Taber	2.974	2.280	.132	2.622	1.393	.004	
Tofield	1.747	1.088	.049	1.780	.985	.063	
Wetaskiwin	3.055	2.778	...	2.561	2.50	...	
Total Lignite	3.001	2.061	.072	2.918	1.940	.076	
Total Alberta	3.206	2.042	.110	3.138	1.993	.129	
BRITISH COLUMBIA—(Bituminous)—							
Crow's Net Pass	3.412	2.419	.279	3.373	2.386	.320	
Inland	4.157	3.244	.234	3.989	3.273	.258	
Island	4.575	2.800	.240	4.497	2.866	.272	
Total British Columbia	4.080	2.701	.254	4.041	2.742	.287	
YUKON—(Bituminous)	4.034	2.620	.082	4.763	3.401	.444	
Canada	3.604	2.421	.209	3.551	2.448	.241	

*High labour costs due to development work.

Table 35.—Employees, Salaries and Wages in the Coal Mines in Canada, by Provinces, 1930

Province	Average number of employees						Salaries and wages		
	Salaried employees		Wage-earners		Total	Salaries	Wages	Total	
	Male	Female	Surface	Under-ground					
Nova Scotia.....	470	67	2,291	11,085	13,913	1,005,979	17,126,422	18,132,401	
New Brunswick.....	23	6	125	459	613	56,487	514,119	570,606	
Saskatchewan.....	45	5	140	388	579	96,360	449,669	546,029	
Alberta.....	559	35	2,279	6,570	9,443	1,408,660	10,067,115	11,475,775	
British Columbia.....	238	20	1,270	3,093	4,621	617,697	5,007,632	5,715,329	
Yukon.....			1	2	3		2,221	2,221	
Canada.....	1,335	133	6,106	21,598	29,172	3,185,183	33,257,178	38,442,361	

Table 36.—Employment and Earnings in the Coal Mines of Canada, 1926-1930

—	1926	1927	1928	1929	1930
Average number of wage-earners—					
Surface.....	6,268	6,446	6,522	6,323	6,106
Underground.....	20,610	21,911	22,232	21,904	21,598
Total.....	26,878	28,357	28,754	28,227	27,704
Days work done—					
Surface.....	1,700,806	1,790,624	1,808,183	1,736,276	1,529,602
Underground.....	4,855,221	5,322,664	5,358,827	5,381,416	4,547,082
Total.....	6,556,027	7,113,288	7,167,010	7,117,692	6,076,684
Average number of days worked per man per year—					
Surface.....	271	278	277	275	250
Underground.....	235	243	241	246	210
By all wage-earners.....	244	251	249	252	219
Total wages paid.....	\$ 32,603,276	\$ 35,807,290	\$ 39,932,353	\$ 39,082,429	\$ 33,257,178
Average wage earned per man per day.....	\$ 4.97	\$ 5.03	\$ 5.57	\$ 5.49	\$ 5.47

Table 37.—Wage-earners Employed in the Coal Mines of Canada by Months and by Provinces, 1926-1930

Month and year	Nova Scotia	New Brunswick	Saskatch-eewan	Alberta	British Columbia	Yukon	Canada
January.....	11,495	605	650	10,538	5,602		28,890
1927	13,473	551	706	10,790	5,184		30,704
1928	13,498	587	726	11,512	5,330		31,653
1929	12,906	674	711	11,174	4,995		30,460
1930	13,328	617	723	11,060	5,141		30,869
February.....	10,520	580	614	9,664	5,506		26,884
1927	13,480	571	654	10,175	5,198		30,078
1928	13,444	573	603	10,245	5,231		30,095
1929	12,665	698	691	11,098	4,953		30,105
1930	13,202	625	631	9,784	5,056		29,298
March.....	9,571	616	637	8,318	5,178		24,229
1927	13,351	603	524	8,604	5,116		28,198
1928	13,501	565	521	9,174	5,147		28,908
1929	12,400	666	582	9,212	5,105		27,975
1930	13,183	601	521	8,616	4,197		27,118
April.....	11,623	591	366	7,045	4,805		24,430
1927	13,227	552	352	7,080	5,044		26,255
1928	13,504	529	333	7,660	4,800		26,833
1929	12,578	560	413	7,010	4,946		26,107
1930	13,325	592	364	6,617	4,178		25,076
May.....	12,503	536	335	6,195	4,927		24,496
1927	12,922	541	316	6,782	4,873		25,434
1928	13,617	523	307	6,837	4,870		26,163
1929	12,700	533	373	7,220	4,365		25,201
1930	13,366	555	338	6,299	4,149		24,707
June.....	12,505	530	286	6,511	4,847		24,679
1927	13,285	528	300	6,925	4,844		25,882
1928	13,528	532	298	7,200	4,983	4	26,545
1929	12,824	533	368	7,707	4,285	3	25,720
1930	13,318	553	312	6,496	4,153	3	24,835
July.....	12,615	513	271	6,483	4,809	2	24,673
1927	13,227	543	287	7,477	4,757	3	26,304
1928	13,433	527	304	7,698	4,958	4	26,924
1929	12,620	530	375	8,053	4,370	3	25,968
1930	13,225	566	329	6,800	4,164	3	25,087
August.....	12,515	522	241	7,583	4,880	2	25,749
1927	13,184	552	327	8,409	4,811	2	27,285
1928	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
September.....	12,501	489	388	9,057	4,918	2	27,355
1927	13,273	541	432	8,917	4,964	2	28,129
1928	12,950	549	457	9,370	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	27,898
October.....	12,844	498	568	10,193	5,128		29,231
1927	13,469	582	662	9,576	5,114		29,463
1928	12,913	843	738	10,412	5,269		30,173
1929	12,936	538	732	10,989	5,041		30,236
1930	13,561	589	777	10,946	4,324		30,197
November.....	13,089	522	698	11,114	5,284		30,687
1927	13,424	551	789	10,808	5,268		30,849
1928	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	4,306		30,650
December.....	13,420	541	694	11,323	5,273		31,251
1927	13,496	590	740	11,647	5,293		31,766
1928	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
Average.....	12,100	544	470	8,867	5,095	2	26,878
1927	13,317	558	509	8,932	5,034	3	29,357
1928	13,333	585	589	9,280	5,043	4	29,754
1929	12,760	578	561	9,534	4,791	3	28,227
1930	13,376	584	529	8,849	4,363	3	27,704

Table 38.—Wage-earners Employed, Days' Work Done by Months in the Coal Mines of Canada, 1930, with Comparative Totals for 1929

Month	Number of wage-earners			Days' work done		
	Surface	Under-ground	Total	Surface	Under-ground	Total
January.....	6,717	24,152	30,869	156,655	489,569	616,224
February.....	6,434	22,864	29,298	126,019	371,366	498,285
March.....	5,980	21,138	27,118	121,901	356,891	478,782
April.....	5,644	19,432	25,076	108,850	301,246	410,096
May.....	5,483	19,224	24,707	110,216	357,342	473,558
June.....	5,801	19,234	24,835	110,038	351,877	467,915
July.....	5,692	19,395	25,087	114,455	341,763	456,218
August.....	5,878	20,173	26,051	118,652	345,267	463,919
September.....	6,147	21,751	27,898	128,007	373,307	501,314
October.....	6,595	23,602	30,197	155,130	479,910	635,040
November.....	6,564	24,086	30,650	136,405	397,678	531,083
December.....	6,842	24,119	30,661	130,374	380,866	511,240
Total for 1930.....				1,529,602	4,547,082	6,076,684
Total for 1929.....				1,736,276	5,381,416	7,117,692

Table 39.—Wage-earners Employed in the Coal Mines of Canada, by Classes and by Provinces, 1930, with Comparative Totals for 1929

Classification	Province						Canada		
	Nova Scotia	New Brunswick	Saskatchewan	Alberta	British Columbia	Yukon	Surface	Under-ground	Total
SURFACE—									
Administration.....	76	13	10	94	21		188	26	214
Foremen and clerks.....	154	16	19	220	105		397	17	514
Screenmen and loaders.....	686	32	37	731	142		1,585	43	1,628
Stripping shovel.....			3				3		3
UNDERGROUND—									
Officials.....	530	4	7	326	147	2	9	1,005	1,014
Hand cutters and helpers.....	1,307	378	224	2,140	1,348	2	5	5,459	5,159
Machine cutters.....	1,507	6	21	429	83			2,136	2,136
Machine loaders and helpers.....	1,454	18	42	1,733	174			3,421	3,421
Horse haulage employees.....	683	1	46	602	330		39	1,623	1,662
Mechanical haulage employees.....	1,607	8	16	373	310		92	2,282	2,374
Ventilation employees.....	280		1	82	33		4	392	396
Roadmakers.....	288	7	19	183	71		12	556	568
Timbermen.....	995	22	8	265	184		29	1,454	1,474
Pumpmen.....	116	1	7	46	28		7	191	198
Loading shovel.....			1				1		1
MISCELLANEOUS—									
Enginemen.....	189	11	10	161	70		437	10	447
Firemen.....	138	3	14	113	57		325		325
Machinists.....	200	2	2	83	61		339	9	348
Carpenters and masons.....	119	3	8	66	79		274	1	275
Other mechanics.....	296	1	6	106	111		279	241	520
Japanese.....					53		1	52	53
Chinese.....					286		180	106	296
Indians.....					18		17	1	18
All other employees.....	2,341	58	28	1,096	646	1	1,797	2,573	4,370
Total for 1930.....	13,376	584	529	8,849	4,263	3	6,106	21,598	27,704
Total for 1929.....	12,760	578	561	8,534	4,791	3	6,323	21,904	28,227

Table 40.—Average Output of Coal per Man-Day in Canada, by Provinces and by Districts, 1929 and 1930

		1929			1930		
		Number of man days	Output	Average output per man day	Number of man days	Output	Average output per man day
NOVA SCOTIA—							
Cape Breton.....		2,288,870	5,380,652	2.350	1,950,303	4,594,446	2.355
Cumberland.....		408,398	795,714	1.988	471,248	802,266	1.702
Inverness.....		133,527	157,470	1.179	128,569	155,088	1.206
Pictou.....		512,107	722,297	1.410	498,172	700,752	1.406
Total.....		3,402,962	7,056,133	2.073	3,048,292	6,252,552	2.051
NEW BRUNSWICK.....		141,611	218,706	1.544	134,720	209,349	1.553
SASKATCHEWAN.....		126,044	580,189	4.603	108,302	579,424	5.350
ALBERTA—							
Bituminous—							
Cascade.....		87,491	299,432	3.422	67,663	212,953	3.147
Crowsnest.....		490,052	1,553,716	3.170	366,263	1,133,891	3.095
Mountain Park.....		267,418	993,414	3.714	189,947	726,777	3.826
Nordegg.....		79,777	247,585	3.103	63,677	204,846	3.216
Total Bituminous.....		924,738	3,094,147	3.345	687,550	2,278,467	3.313
Sub-Bituminous—							
Coalspur.....		139,647	566,477	4.058	124,139	515,306	4.151
Pekisko.....		1,386	4,495	3.243	2,313	4,240	1.833
Piney.....		1,089	1,871	1.718	1,364	2,320	1.700
Prairie Creek.....		8,539	6,771	0.792	8,986	15,425	1.716
Saunders.....		33,342	80,088	2.671	24,251	66,067	2.724
Total Sub-Bituminous.....		184,003	668,702	3.634	161,053	603,358	3.746
Lignite—							
Ardley.....		1,979	3,297	1.665	1,624	2,994	1.843
Big Valley.....		2,180	4,564	2.093	1,822	4,473	2.454
Brooks.....		2,855	6,635	2.323	3,358	7,984	2.377
Camrose.....		10,967	41,125	3.749	9,647	35,445	3.674
Carbon.....		37,145	111,312	2.996	29,208	91,018	3.116
Castor.....		12,866	31,203	2.425	9,679	24,662	2.547
Champion.....		4,280	10,659	2.490	5,077	12,511	2.464
Drunheller.....		468,722	1,570,301	3.362	399,274	1,432,873	3.588
Edmonton.....		142,668	477,605	3.347	133,885	417,262	3.116
Gleichen.....		1,940	2,847	1.467	1,666	3,057	1.834
Halcourt.....		325	522	1.606	272	418	1.636
Lethbridge.....		324,687	731,205	2.252	252,976	545,265	2.155
Magrath.....		617	912	1.478	632	971	1.536
Milk River.....		367	868	2.365	758	1,362	1.706
Pakowki.....		695	1,746	2.512	839	2,101	2.504
Pembina.....		38,005	162,333	4.271	30,617	119,973	3.918
Redcliffe.....		8,102	27,250	3.364	8,176	25,181	3.079
Rochester.....					140	140	1.000
Sheerness.....		6,611	20,218	3.058	6,843	21,683	3.168
Taber.....		7,665	22,139	2.888	5,136	12,293	2.393
Tofield.....		27,097	155,079	5.599	23,242	111,932	4.815
Wataskiwin.....		26	18	0.692	100	105	1.050
Total Lignite.....		1,100,399	3,387,844	3.078	924,971	2,873,703	3.106
Total Alberta.....		2,209,140	7,150,693	3.236	1,773,574	5,755,528	3.245
BRITISH COLUMBIA—							
Crows Nest Pass.....		363,491	982,552	2.648	248,839	738,370	2.967
Inland.....		151,787	273,054	1.798	141,106	237,978	1.686
Island.....		722,351	1,254,772	1.737	621,545	1,107,470	1.781
Total.....		1,237,629	2,490,378	2.012	1,011,490	2,083,818	2.060
YUKON.....		306	458	1.496	306	653	2.133
Canada.....		7,117,692	17,496,557	2.458	6,076,684	14,581,324	2.448

Table 41.—Fatal and Non-Fatal Accidents in the Coal Mining Industry in Canada, by Provinces, 1930, with Comparative Totals for 1929

	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.....	9	637	2	48	.....	8	5	53	6	176	22	922
Mine cars and locomotives.....	3	478	.....	41	.....	14	2	45	2	127	7	705
Gas and dust explosions.....	8	8	.....	.....	.....	.....	3	*45	.....	.....	53	11
Explosives.....	3	.....	8	.....	1	.....	2	.....	1	4	1	16
Electricity.....	1	.....	.....	.....	4	.....	1	.....	.....	.....	.....	6
Timbering.....	.....	.....	.....	1	.....	.....	12	.....	.....	.....	.....	13
Mining and loading.....	.....	.....	2	38	.....	.....	9	.....	.....	.....	2	47
Coal cutting machines.....	.....	.....	.....	.....	.....	.....	11	.....	.....	.....	.....	11
Miscellaneous.....	2	848	.....	80	.....	7	1	10	.....	236	3	1,179
Total underground.....	22	1,973	2	175	2	73	8	146	54	543	88	2,910
SURFACE												
Haulage and cars.....	.....	34	.....	9	.....	5	.....	7	.....	21	.....	76
Machinery.....	1	16	.....	3	.....	2	2	2	.....	29	3	52
Miscellaneous.....	.....	120	.....	7	.....	21	1	11	.....	94	1	253
Total surface.....	1	170	.....	19	.....	28	3	20	.....	144	4	381
Total for 1930	23	2,143	2	194	2	101	11	166	54	687	92	3,291
Total for 1929	22	2,564	2	267	.....	37	31	167	12	1,072	67	4,047

*These 45 deaths were due to an explosion which very probably had its origin in and was due to a mine fire.

Table 42.—Fuel and Electricity Used in the Coal Mining Industry in Canada by Kinds and by Provinces, 1930

Province	Coal			Gasoline and kerosene	Wood	Electricity purchased	Total value	Electricity generated	
	Bituminous	Sub-bituminous	Lignite					For own use	For sale
Nova Scotia—									
Quantity.....	458,774	.....	.....	.....	.....	.....	41,385,192	.....	.....
Value.....\$	1,664,425	.....	.....	.....	.....	.....	510,163	2,180,588	62,692,068 12,051,011 121,772
New Brunswick—									
Quantity.....	6,262	.....	.....	.....	.....	.....	.....	.....	.....
Value.....\$	25,397	.....	.....	.....	.....	.....	.....	.....	600,480
Saskatchewan—									
Quantity.....	.....	.....	36,935	20,576	.....	98,856	.....	300,000	.....
Value.....\$	.....	.....	35,027	6,178	.....	2,049	.....	43,234	.....
Alberta—									
Quantity.....	94,119	35,968	98,024	7,521	1,454	21,462,560	.....	12,150,221	2,136,398
Value.....\$	297,412	63,247	87,458	2,347	7,121	288,204	745,789	.....	40,757
British Columbia—									
Quantity.....	152,381	.....	.....	.....	.....	11,107,501	.....	19,229,529	1,882,121
Value.....\$	496,166	.....	.....	.....	.....	103,932	600,098	.....	37,642
Yukon—									
Quantity.....	50	.....	.....	.....	20	.....	.....	.....	.....
Value.....\$	150	.....	.....	.....	140	.....	.....	290	.....
Canada—									
Quantity.....	709,386	35,968	134,958	28,097	1,474	74,051,109	.....	94,072,298	16,069,530
Value.....\$	2,483,550	63,247	122,455	8,525	7,261	910,348	3,585,416	.....	200,171

Table 43.—Power Employed in the Coal Mining Industry in Canada, by Provinces, 1930, with Comparative Totals for 1929

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.	77 56,550	3 26	.....	80 60,685	158 4,541	238 61,126	418 44,639	576 49,180	155 36,570
New Brunswick.....No. H.P.	21 1,090	.....	.....	21 1,090	.....	21 1,090	24 373	24 373	16 1,006
Saskatchewan.....No. H.P.	32 2,020	1 2	.....	83 2,022	49 1,470	82 3,492	29 531	78 2,001	18 2,167
Alberta.....No. H.P.	181 29,058	50 394	.....	241 29,452	654 20,930	895 50,382	303 9,590	967 30,529	166 21,430
British Columbia.....No. H.P.	104 22,146	1 30	2 12,000	107 34,176	42 1,901	149 36,077	227 15,451	899 17,352	86 14,570
Yukon.....No. H.P.	.....	.....	.....	.....	.....	.....	.....	.....	1 25
Total for 1930.....No. H.P.	425 110,873	55 452	2 12,000	482 123,325	903 28,842	1,385 152,167	1,001 70,593	1,904 99,435	412 75,768
Total for 1929.....No. H.P.	457 113,711	47 380	2 12,000	506 126,121	811 27,336	1,217 153,457	882 57,369	1,693 84,765	433 78,617

Table 44.—Capital Employed in the Coal Mines of Canada by Provinces as at December 15, 1929 and 1930

Province	1929				1930					
	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.....	46,662,238	4,560,401	4,582,887	55,805,527	46,449,139	3,727,540	5,906,656	56,083,335		
New Brunswick.....	1,452,893	24,243	179,527	1,656,663	1,390,495	24,900	227,008	1,642,403		
Saskatchewan.....	3,749,528	83,339	163,851	3,996,718	4,113,672	120,979	123,199	4,357,850		
Alberta.....	47,031,532	1,072,587	7,968,965	56,073,084	45,452,048	1,070,620	7,444,514	53,967,182		
British Columbia.....	21,262,840	663,793	2,105,100	24,031,735	21,420,210	581,531	2,060,881	24,062,625		
Yukon.....	203,000	.....	.....	203,000	203,000	.....	.....	203,000	
Canada.....	120,362,032	6,404,365	15,000,330	141,766,727	119,028,564	5,525,570	15,762,261	110,316,395		

CHAPTER TWO

PRINCE EDWARD ISLAND

Prince Edward Island's coal supply is obtained from Nova Scotia, New Brunswick, the United States and Great Britain. Coal made available for consumption within the province during 1930 amounted to 103,517 tons, consisting of 87,788 tons from Nova Scotia, 116 tons from New Brunswick, 12,441 tons from the United States and 3,172 tons from Great Britain. In the previous year the available coal supply was 98,747 tons made up of 83·6 per cent from Canadian sources, 14·1 per cent from the United States and 2·3 per cent from Great Britain.

Table 45.—Imports into Prince Edward Island of Anthracite and Bituminous Coal by Ports of Entry, 1929 and 1930

(Short tons)

Port	Source	1929					1930				
		Anthracite			Bitum- inous all grades	Total coal	Anthracite			Bitum- inous all grades	Total coal
		Egg, nut, etc.	Dust	Total			Egg, nut, etc.	Dust	Total		
Charlottetown.....	U.S.....	4,121		4,121	6,446	10,567	5,274		5,274	4,408	9,682
	G.B.....	2,223		2,223		2,223				1,676	1,676
Summerside.....	U.S.....		836	836	2,536	3,372		2,759	2,759		2,759
	G.B.....						1,496	1,496			1,496
Total.....	U.S.....	4,121	836	4,957	8,982	13,939	5,274	2,759	8,033	4,408	12,441
	G.B.....	2,223		2,223		2,223		1,496	1,496	1,676	3,172
Grand total.....		6,344	836	7,180	8,982	16,162	5,274	4,255	9,529	6,084	15,613

Table 46.—Summary Statistics for 1930—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	Imported from U.S.A.	Imported from Great Britain	Coal available for consumption
January—				
Anthracite.....				
Bituminous.....	7,405	30		7,435
Total.....	7,405	30		7,435
February—				
Anthracite.....		59		59
Bituminous.....	6,886	34		6,920
Total.....	6,886	93		6,979
March—				
Anthracite.....				
Bituminous.....	4,781			4,781
Total.....	4,781			4,781
April—				
Anthracite.....				
Bituminous.....	3,468			3,468
Total.....	3,468			3,468
May—				
Anthracite.....		4,001		4,001
Bituminous.....	3,964			3,964
Total.....	3,964	4,001		7,965
June—				
Anthracite.....		1,000		1,000
Bituminous.....	6,009	1,742		7,751
Total.....	6,009	2,742		8,751
July—				
Anthracite.....		1,402		1,402
Bituminous.....	6,423	35		6,458
Total.....	6,423	1,437		7,860
August—				
Anthracite.....		2,456		12,203
Bituminous.....	9,747			
Total.....	9,747	2,456		12,203
September—				
Anthracite.....		1,571		1,571
Bituminous.....	11,367	40		11,407
Total.....	11,367	1,611		12,978
October—				
Anthracite.....			1,496	1,496
Bituminous.....	8,835	36	1,676	10,547
Total.....	8,835	36	3,172	12,043
November—				
Anthracite.....				
Bituminous.....	11,606			11,606
Total.....	11,606			11,606
December—				
Anthracite.....				
Bituminous.....	7,413	35		7,448
Total.....	7,413	35		7,448
Total—				
Anthracite.....		8,633	1,496	9,529
Bituminous.....	87,904	4,408	1,676	93,988
Total.....	87,904	12,441	3,172	103,517

CHAPTER THREE

NOVA SCOTIA

Nova Scotia mines produced 6,252,552 tons of coal during 1930, a decline of 11·4 per cent from the 1929 total of 7,056,133 tons and 7·3 per cent from the 1928 output of 6,743,504 tons. Collieries in Cape Breton recorded a falling off in production of 14·6 per cent, in Inverness 1·5 per cent and in Pictou 3·0 per cent, but mines in Cumberland district reported a slight increase in output.

Shipments from Nova Scotia mines amounted to 5,648,034 tons or 11·3 per cent below the 1929 total of 6,363,984 tons. Quebec provided the largest market for Nova Scotia coal in 1930; water and rail shipments to this province totalled 1,893,679 tons or 33·5 per cent of the total tonnage shipped from the mines. Coal shipped for consumption within the province totalled 1,525,063 tons. Coal for railroad use accounted for 20·4 per cent of the total mine shipments. New Brunswick purchased 443,111 tons of Nova Scotia coal, Newfoundland, 263,837 tons, Prince Edward Island, 87,788 tons, and the United States 20,986 tons. Coal sold for bunker purposes amounted to 252,672 tons. Ontario did not receive any coal direct from Nova Scotia but approximately 169,672 tons were shipped from stock at Montreal to Ontario points.

Nova Scotia coal mines active during 1930 produced 72 per cent of their possible output as compared with 81 per cent in 1929. Output losses, due to absenteeism, lack of orders, car shortage, mine disability and miscellaneous causes other than strikes and lockouts in 1930 were estimated at 2,425,146 tons. The average production per man-day during the year was 2·05 tons; time lost through strikes amounted to 22,023 man-days so that the computed loss in output through this cause was 45,147 tons. The total tonnage lost, through all causes in 1930 was 2,470,293 tons.

Compared with 1929, a decline of 8·3 per cent was recorded in the quantity of coal made available for consumption in Nova Scotia during 1930. The coal supply for the province totalled 3,589,680 tons obtained from the following sources—Nova Scotia Mines, 96·9 per cent; Great Britain, 1·4 per cent; United States, 1·3 per cent, and Russia, 0·4 per cent.

Table 47.—Output of Coal from Nova Scotia Mines, 1785-1930

(Short tons)

Calendar year	Output	Value	Calendar year	Output	Value
	\$			\$	
1785-1866.....	2,649,418	4,139,714	1867.....	596,332	931,769
1868.....	574,106	897,041	1869.....	647,727	1,012,074
1870.....	719,211	1,123,767	1871.....	754,827	1,179,417
1872.....	1,003,806	1,568,446	1873.....	1,108,248	1,731,632
1874.....	972,934	1,520,240	1875.....	930,613	1,454,084
1876.....	837,755	1,308,991	1877.....	880,215	1,375,339
1878.....	875,994	1,368,741	1879.....	866,220	1,353,466
1880.....	1,177,669	1,840,108	1881.....	1,280,060	2,000,070
1882.....	1,524,947	2,382,730	1883.....	1,578,609	2,466,576
1884.....	1,541,829	2,412,233	1885.....	1,547,900	2,418,735
1886.....	1,698,018	2,053,152	1887.....	1,858,596	2,904,057
1888.....	1,442,231	3,034,735	1889.....	1,918,827	2,998,167
1890.....	2,181,033	3,407,864	1891.....	2,267,919	3,543,624
1892.....	2,159,389	3,374,046	1893.....	2,441,924	3,820,191
1894.....	2,327,982	3,949,970	1895.....	2,225,145	3,476,790
1896.....	2,508,579	3,919,655	1897.....	2,493,554	3,896,179
1898.....	2,563,180	4,004,970	Total.....		245,210,823
					619,391,475

* For the years 1919-1930 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, 1926-1930

(Short tons)

Month	1926	1927	1928	1929	1930
January.....	390,408	572,013	447,538	554,068	542,253
February.....	337,949	460,060	450,318	571,584	475,975
March.....	377,315	641,697	477,465	538,652	495,308
April.....	356,880	593,027	438,009	555,078	437,584
May.....	532,973	599,947	650,711	622,643	631,517
June.....	686,217	698,671	630,030	613,431	540,900
July.....	641,615	563,451	564,932	620,712	563,177
August.....	634,439	588,369	660,767	650,706	537,856
September.....	653,950	560,799	608,501	596,730	470,172
October.....	732,906	583,315	674,725	637,695	502,851
November.....	705,741	607,798	605,448	585,496	493,157
December.....	697,084	587,749	497,464	508,458	450,542
Total.....	6,747,477	7,071,876	6,743,504	7,056,133	6,252,552

Table 49.—Output of Coal by Districts in Nova Scotia, 1926-1930

(Short tons)

District	1926	1927	1928	1929	1930
Cape Breton.....	5,091,664	5,402,531	5,070,017	5,380,652	4,594,446
Cumberland.....	715,578	663,407	730,891	795,714	802,266
Inverness.....	147,139	129,520	135,866	157,470	155,088
Pictou.....	793,096	876,318	806,730	722,297	700,752
Total.....	6,747,477	7,071,876	6,743,504	7,056,133	6,252,552

Table 50.—Output of Coal by Principal Collieries in Nova Scotia, 1928-1930
(Average of 500 tons or more per month)

(Short tons)

Name	Address	1928	1929	1930
CAPE BRETON DISTRICT—				
Braz d'Or Coal Co.	Little Bras d'Or Bridge.....	86,596	117,584	118,011
Dominion Coal Co., Ltd.	Glace Bay.....	4,178,351	4,446,377	3,852,368
Indian Cove Coal Co., Ltd.	Sydney Mines.....	45,735	49,193	46,908
Nova Scotia Steel and Coal Co., Ltd.	Sydney Mines.....	757,459	765,433	567,131
North Sydney Collieries Ltd. (formerly Harbor Side Coal Co.).	North Sydney.....	1,876	2,065	10,028
All other operators.....				
Total.....		5,070,017	5,380,652	4,594,446
CUMBERLAND DISTRICT—				
Boston Coal Co.	River Hébert.....	8,251		
Cumberland Railway and Coal Co., Ltd.	Springhill.....	556,899	637,387	647,063
Maritime Coal, Railway & Power Co., Ltd.	Joggins Mines.....	98,889	96,593	81,372
River Hébert Coal Co.	River Hébert.....	15,799	4,490	
Victoria Coal Co., Ltd. (operating No. 2 Mine Minudie Coal Co.).	New Glasgow.....	43,311	55,250	73,790
All other operators.....		7,742	1,994	41
Total.....			730,891	795,714
				802,266
INVERNESS DISTRICT—				
Inverness Railway and Coal Co.	Inverness.....	135,564	157,047	154,147
All other operators.....		302	423	941
Total.....			135,866	157,470
				155,088
PICTOU DISTRICT—				
Acadia Coal Co., Ltd.	Stellarton.....	569,905	496,807	506,752
Greenwood Coal Co., Ltd.	New Glasgow.....	30,381	31,948	25,808
Intercolonial Coal Co., Ltd.	Westville.....	206,444	193,452	108,192
Total.....			806,730	722,297
Total Nova Scotia.....			6,743,504	7,056,133
				6,252,552

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, 1929 and 1930

District	Per cent produced	Per cent lost	Percentage lost through				
			Absenteeism	Lack of orders	Car shortage	Mine disability	Other causes
Cape Breton.....	1929	81	19	2·9	7·8	0·0	8·1
	1930	69	31	1·4	23·0	.....	6·6
Cumberland.....	1929	80	20	6·4	3·2	0·0	1·4
	1930	81	19	4·5	7·7	.....	1·3
Inverness.....	1929	88	12	0·0	11·4	0·0	0·5
	1930	85	15	.....	14·1	.....	0·9
Pictou.....	1929	83	17	8·2	6·4	0·0	0·6
	1930	83	17	3·1	13·0	.....	0·3
Nova Scotia.....	1929	81	19	3·8	7·3	0·0	6·5
	1930	72	28	2·0	20·0	0·0	5·2

Table 52.—Disposition of Coal from Nova Scotia Mines, 1929 and 1930
(Short tons)

	1929		1930	
	Total		Total	
	Short tons	Value	Short tons	Value
Supplied to employees for domestic consumption.....	129,840	479,760	120,846	459,180
Coal shipped as per Table 54.....	6,363,984	25,225,533	5,648,034	22,093,765
Used under colliery boilers.....	365,492	1,382,711	306,179	1,116,240
Used by companies' railroads.....	48,424	213,451	47,326	197,269
Used in shops, etc.....	108,509	392,114	103,269	350,910
Used by harbour tugs and dredges.....	724	2,966		
Put on bank.....	855,026	3,309,452	685,242	2,633,516
Put on waste heap.....	14,844		14,024	
Total disposition.....	7,886,843	31,005,987	6,924,920	26,850,886
Lifted from bank.....	830,710	2,934,031	672,368	2,322,026
Total output.....	7,056,133	28,071,956	6,252,552	21,528,860

Table 53.—Tonnages Put on Bank and Lifted from Bank in Nova Scotia, 1926-1930
(Short tons)

Month	1926		1927		1928		1929		1930	
	Put on bank	Lifted from bank								
On bank at first of year.....	92,108		145,009		190,710		135,581		150,897	
January.....	57,193	10,506	54,036	7,928	123,182	4,110	111,666	4,037	144,409	7,700
February.....	60,493	8,559	55,338	7,081	122,871	2,100	108,507	3,013	134,530	9,310
March.....	44,566	7,192	246,211	5,379	153,281	4,157	188,875	2,957	174,050	7,398
April.....	42,499	8,158	186,871	5,960	104,256	1,851	187,488	2,599	69,586	6,160
May.....	7,871	34,302	11,798	22,594	6,004	73,440	8,141	101,314	11,538	50,985
June.....	16,555	51,775	3,564	118,838	1,886	80,469	10,616	173,870	13,630	103,083
July.....	9,616	75,652	2,568	118,021	4,978	114,502	10,188	158,076	8,474	75,642
August.....	8,080	63,496	2,718	135,151	1,887	121,402	4,424	109,467	4,361	137,599
September.....	12,622	25,734	7,086	129,460	3,407	126,895	10,737	122,699	4,001	120,022
October.....	12,299	8,319	2,635	80,572	8,846	106,256	9,435	120,688	5,088	101,525
November.....	35,387	11,429	10,410	15,507	4,147	15,942	19,849	18,996	5,016	44,082
December.....	58,170	7,550	127,689	2,882	65,029	3,779	95,100	12,994	109,650	8,856
Total.....	371,355	315,672	712,174	658,373	599,774	663,903	855,026	830,710	685,242	672,368

Table 54.—Shipments of Coal from Nova Scotia Mines by Grades and by Destinations, 1929 and 1930

(Short tons)

Destination	1929				1930			
	Run-of-mine	Screened	Slack	Total	Run-of-mine	Screened	Slack	Total
Coal supplied for bunkers.....	253,946	4,364	25,167	258,310	250,311	2,361		252,672
Coal supplied to railroads.....	617,510	493,371	25,167	1,136,018	519,849	480,902	152,413	1,133,164
Nova Scotia by land.....	293,703	587,693	808,806	1,670,202	191,422	481,208	670,662	1,343,292
Nova Scotia by sea.....	42,148	83,349	34,493	159,990	22,917	91,000	67,854	181,771
New Brunswick.....	170,287	139,158	117,791	427,236	140,166	125,366	177,579	443,411
Newfoundland.....	9,916	233,863	540	241,319	2,080	204,120	57,637	263,837
Prince Edward Island.....	3,130	77,161	2,214	82,505	3,398	82,197	2,193	87,788
Quebec.....	67,474	1,137,079	1,187,740	2,372,293	53,487	984,530	875,662	1,893,679
Manitoba (Hudson Bay).....	184	6,835		7,019				
United States.....		4,654		4,654	5,097	4,585	11,304	29,986
Labrador.....		401		401				
Other countries.....		438		438				
Lost at sea.....		569		569		4,318	3,416	7,734
Total.....	1,458,298	2,748,935	2,156,751	6,363,984	1,188,727	2,440,587	2,018,720	5,618,034

Table 55.—Exports of Canadian Coal through Nova Scotia Ports, 1926-1930

(Short tons)

Port	1926	1927	1928	1929	1930
Halifax.....	662	43	96	160	1
Liverpool.....					9
Lunenburg.....					5
North Sydney.....	117,732	127,151	101,026	122,435	104,473
Pictou.....	441,152	402,773	240,803	228,454	4,188
Sydney.....					241,483
Total.....	559,546	529,967	344,379	351,178	350,154

Table 56.—Imports into Nova Scotia of Anthracite and Bituminous Coal by Ports of Entry, 1929 and 1930

(Short tons)

Port	Source	1929					1930				
		Anthracite			Bitum. inous, all grades	Total coal	Anthracite			Bitum. inous, all grades	Total coal
		Egg, nut, etc.	Dust	Total			Egg, nut, etc.	Dust	Total		
Amherst.....	U.S.										
Annapolis.....	U.S.	308		308	5	373	341		341		341
Antigonish.....	U.S.										
Arlinghat.....	U.S.										
Baddeck.....	U.S.										
Barrington Passage.....	U.S.	719		719		719					
Bridgewater.....	U.S.										
Canso.....	U.S.	884		884		884	1,533		1,533		1,533
Digby.....	U.S.	292		292		292	554		554		554
G.B.							330		330		330
Glace Bay.....	U.S.										
Halifax.....	U.S.	8,248		8,248	13,332	21,580	6,528		6,528	17,705	24,233
	G.B.	31,612		31,612	21,991	53,603	29,859		29,859	19,109	48,968
Russia.....		5,601		5,601		5,601	14,340		14,340		14,340
Kentville.....	U.S.	515		515		515	587		587		587
Liverpool.....	U.S.	1,309		1,309		1,309	1,401		1,401	90	1,491
G.B.										448	448
Lunenburg.....	U.S.	4,930		4,930	816	5,746	6,313		6,313		6,313
G.B.											
Middleton.....	U.S.										
New Glasgow.....	U.S.										
North Sydney.....	U.S.										
Parrsboro'.....	U.S.										
Pictou.....	U.S.										
Port Hawkesbury.....	U.S.										
Port Hood.....	U.S.										
Shelburne.....	U.S.										
G.B.											
Truro.....	U.S.										
Weymouth.....	U.S.	658		658		658	420		420		420
Windsor.....	U.S.	681		681		681					
Yarmouth.....	U.S.	8,091		8,091		8,091	12,078		12,078	223	12,381
Total.....	U.S.	26,695		26,695	14,153	40,848	30,086		30,086	18,018	48,104
	G.B.	31,612		31,612	21,991	53,603	29,859		29,859	19,557	49,416
	Russia.	5,601		5,601		5,601	14,340		14,340		14,340
Grand Total.....		63,308		63,308	36,144	100,652	74,285		74,285	37,575	111,860

Table 57.—Summary Statistics for 1930—Output, Exports, Interprovincial Shipments, Imports and Coal made Available for Consumption in Nova Scotia by Months and by Kinds

(Short tons)

Province	Canadian coal				Imported from U.S.A.	Imported from Great Britain	Imported from Russia	Coal available for consumption
	Output	Received from other provinces	Shipped to other provinces	Exported				
January—								
Anthracite.....					2,142	2,308		4,450
Bituminous.....	542,253		72,031	33,282	1,684	800		439,424
Total.....	542,253		72,031	33,282	3,826	3,108		443,874
February—								
Anthracite.....					3,037	2,409		5,446
Bituminous.....	475,975		70,735	13,350	2,672	3,498		398,060
Total.....	475,975		70,735	13,350	5,709	5,907		403,506
March—								
Anthracite.....					418	2,120		2,538
Bituminous.....	495,508		56,155	6,602	4,289			437,040
Total.....	495,508		56,155	6,602	4,707	2,120		439,578
April—								
Anthracite.....						2,215		2,215
Bituminous.....	437,584		119,735	123		2,800		320,526
Total.....	437,584		119,735	123		5,015		322,741
May—								
Anthracite.....					1,168	2,938		4,106
Bituminous.....	631,517		337,649	19,967	2,621			276,522
Total.....	631,517		337,649	19,967	3,789	2,938		280,628
June—								
Anthracite.....					3,215	3,659	6,503	13,377
Bituminous.....	546,960		327,464	52,215	5,302			122,583
Total.....	546,960		327,464	52,215	8,517	3,659	6,503	185,960
July—								
Anthracite.....					3,085	4,768		7,853
Bituminous.....	563,177		204,626	8,679				349,872
Total.....	563,177		204,626	8,679	3,085	4,768		357,725
August—								
Anthracite.....					2,793			2,793
Bituminous.....	537,850		318,185	74,691	90	3,365		148,435
Total.....	537,850		318,185	74,691	2,883	3,365		151,228
September—								
Anthracite.....					5,739			5,739
Bituminous.....	476,172		269,734	50,992				155,446
Total.....	476,172		269,734	50,992	5,739			161,185
October—								
Anthracite.....					1,785	4,109		5,894
Bituminous.....	592,851		331,325	24,979		4,146		240,693
Total.....	592,851		331,325	24,979	1,785	8,255		246,587
November—								
Anthracite.....					4,235	3,621	7,837	15,693
Bituminous.....	493,157		245,533	30,548		2,080		219,156
Total.....	493,157		245,533	30,548	4,235	5,701	7,837	234,849
December—								
Anthracite.....					2,469	1,712		4,181
Bituminous.....	459,542		71,406	34,726	1,360	2,868		357,638
Total.....	459,542		71,406	34,726	3,829	4,580		361,819
Total—								
Anthracite.....	6,252,552		2,424,578	350,154	30,086	29,859	14,340	74,285
Bituminous.....					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

Table 58.—Employees, Salaries and Wages in the Coal Mines of Nova Scotia by Districts, 1929 and 1930

District	Average number of employees					Salaries and wages		
	Salaried employees		Wage-earners		Total	Salaries		Total
	Male	Female	Surface	Under-ground		\$	\$	
1929								
Cape Breton.....	384	34	1,308	7,491	9,277	785,222	13,833,918	14,619,149
Cumberland.....	51	8	334	1,308	1,701	95,834	2,217,809	2,313,643
Inverness.....	10	3	119	360	492	24,207	535,370	557,586
Pictou.....	68	6	414	1,366	1,854	156,138	2,200,407	2,356,545
Nova Scotia.....	513	51	2,235	10,525	13,324	1,061,401	18,785,513	19,846,914
1930								
Cape Breton.....	340	50	1,348	7,784	9,522	726,046	12,155,467	12,881,513
Cumberland.....	53	8	378	1,471	1,910	107,524	2,200,444	2,307,968
Inverness.....	11	3	126	376	516	24,934	535,212	560,116
Pictou.....	66	6	439	1,454	1,965	147,475	2,235,299	2,382,774
Nova Scotia.....	470	67	2,291	11,085	13,913	1,005,979	17,126,422	18,132,401

Table 59.—Employment and Earnings in the Coal Mines of Nova Scotia, 1926-1930

	1926	1927	1928	1929	1930
Average number of wage-earners—					
Surface.....	2,222	2,321	2,340	2,235	2,291
Underground.....	9,878	10,906	10,993	10,525	11,085
Total.....	12,100	13,317	13,333	12,760	13,376
Days' work done—					
Surface.....	613,136	627,536	625,764	642,108	596,242
Underground.....	2,375,145	2,634,594	2,611,523	2,760,856	2,452,050
Total.....	2,988,281	3,262,130	3,237,287	3,402,962	3,048,292
Average number of days worked per man per year—					
Surface.....	276	270	267	287	260
Underground.....	240	239	238	262	221
By all wage-earners.....	247	245	243	266	227
Total wages paid.....	\$ 14,041,702	\$ 15,676,318	\$ 18,885,377	\$ 18,785,513	\$ 17,126,422
Average wage earned per man per day.....	\$ 4.69	\$ 4.81	\$ 5.83	\$.52	.56

Table 60.—Wage-Earners, Work Done by Months in the Nova Scotia Coal Mines in 1930

Month	Number of wage-earners			Days' work done		
	Surface	Under-ground	Total	Surface	Under-ground	Total
January.....	2,294	11,034	13,328	53,104	218,528	271,722
February.....	2,302	10,900	13,202	49,143	191,901	241,041
March.....	2,269	10,914	13,183	49,455	197,783	247,248
April.....	2,277	11,048	13,325	46,762	177,510	224,272
May.....	2,267	11,090	13,366	54,122	234,250	288,372
June.....	2,291	11,027	13,318	48,480	208,580	257,060
July.....	2,251	10,974	13,225	48,751	214,767	263,518
August.....	2,224	10,981	13,205	47,961	203,465	251,426
September.....	2,274	11,157	13,431	47,056	189,108	236,164
October.....	2,338	11,223	13,561	54,258	228,619	282,877
November.....	2,341	11,289	13,630	49,499	198,143	247,642
December.....	2,363	11,379	13,742	47,561	189,386	236,947
Total.....	2,274	11,379	13,742	596,242	2,452,050	3,048,292

Table 61.—Number of Man-Days Worked, by Districts, in Nova Scotia, 1929 and 1930

District	1929			1930		
	Surface	Under-ground	Total	Surface	Under-ground	Total
Cape Breton.....	375,614	1,913,256	2,288,870	331,063	1,610,240	1,950,303
Cumberland.....	101,375	367,023	468,398	102,296	368,952	471,248
Inverness.....	35,120	98,407	133,527	35,479	93,090	128,569
Pictou.....	129,997	382,170	512,167	127,404	370,768	498,172
Total.....	612,106	2,760,856	3,382,962	596,242	2,452,050	3,048,292

Table 62.—Wage-Earners Employed in Nova Scotia Coal Mines, by Classes, 1929 and 1930

Classification	1929			1930		
	Surface	Under-ground	Total	Surface	Under-ground	Total
SURFACE—						
Administration.....	62	15	77	60	16	76
Foremen and clerks.....	153	4	157	151	3	154
Screenmen and loaders.....	648		648	686		686
UNDERGROUND—						
Officials.....	1	503	504		530	530
Handcutters and helpers.....		1,340	1,340		1,367	1,367
Machine cutters.....		1,634	1,634		1,597	1,597
Machine loaders and helpers.....		1,229	1,229		1,454	1,454
Horse haulage employees.....	3	663	666		679	683
Mechanical haulage employees.....	5	1,600	1,605	20	1,647	1,667
Ventilation employees.....	2	297	299	1	279	280
Road-makers.....		290	290		288	288
Timbermen.....		835	835		905	995
Pumpmen.....	3	109	112	3	113	116
MISCELLANEOUS—						
Engineers.....	189	13	202	179	10	189
Firemen.....	147		147	138		138
Machinists.....	189	3	192	200		200
Carpenters and masons.....	108		108	119		119
Other mechanics.....	69	204	273	74	222	296
All other employees.....	656	1,786	2,442	656	1,885	2,541
Total.....	2,235	10,525	12,760	2,291	11,085	13,376

Table 63.—Capital Employed in the Coal Mines of Nova Scotia, 1929 and 1930

	1929	1930
Capital employed as represented by—	\$	\$
Cost of lands, buildings, machinery and tools.....	40,062,239	46,449,139
Cost of supplies and stock on hand.....	4,560,401	3,727,540
Cash, trading and operating accounts and bills receivable.....	4,582,887	5,906,650
Total.....	55,805,527	56,083,335

The following tables relating to the timber, rails and steel booms used in the Nova Scotia coal mines have been abstracted from the annual report of the Minister of Public Works and Mines of Nova Scotia.

Table 64.—Rails used in Nova Scotia Mines during year ended September 30, 1930

	Number of feet of each size rail										Total Tons
	12 lb. per yd.	14 lb. per yd.	16 lb. per yd.	18 lb. per yd.	20 lb. per yd.	30 lb. per yd.	40 lb. per yd.	47-50 lb. per yd.	56 lb. per yd.	60 lb. per yd.	
Cape Breton.....			2,125		102,800	51,439		609	3,231	18,172	808.2
Cumberland.....	7,710	4,710		1,240		22,616	426		4,400		182.6
Inverness.....			7,270		1,842						25.5
Pictou.....	875				27,225	9,800					140.6
Total.....	8,585	4,710	9,395	1,240	132,057	83,655	426	609	7,631	18,172	1,156.9

Table 65.—Timber used in the Coal Mines of Nova Scotia during the years ended September 30, 1929 and 1930

District	1929								1930							
	Total	Props		Booms		Sleepers		Caps		Chocks and Butts		Special Longwall Packs		Total		
		Lin. ft.	Lin. ft.	Lin. ft.	Lin. ft.	Lin. ft.	Lin. ft.	Lin. ft.	Lin. ft.	Lin. ft.	Lin. ft.	Lin. ft.	Lin. ft.	Lin. ft.	Lin. ft.	
Cape Breton.....	18,763,399	9,239,315		774,037	1,308,624	2,170,748		613,112						14,114,836		
Inverness.....	1,337,944	705,141		300,288	92,332										1,097,761	
Victoria.....																
Richmond.....																
Pictou.....	6,731,098	3,424,265		1,675,570	7,066			1,760,975		285,610				7,153,486		
Cumberland.....	5,177,120	1,663,586		531,856	187,024	187,233		2,118,152		1,400,036				6,147,887		
Total.....	32,009,567	15,032,307		3,281,751	1,595,046	2,366,981		4,492,239		1,745,646				28,513,970		
Lin. ft. used per ton of coal raised.....		5.05													4.9	

Table 66.—Steel Booms used in the Coal Mines of Nova Scotia during the years ended September 30, 1929 and 1930

(Lineal feet)

District	Steel Booms, 60 lb.	Steel Booms, 65 lb.	Steel Booms, 80 lb.	Steel Booms, 85 lb.	Steel Booms, 100 lb.	
Cape Breton.....	90,108			61,772		29,040
Inverness.....						18,386
Pictou.....				1,030		63,935
Cumberland.....	6,075		44,280			
Total for 1930.....	96,183			107,082		92,975
Total for 1929.....	144,732	117,697	241,789		24,750	21,511

CHAPTER FOUR

NEW BRUNSWICK

Production from New Brunswick mines was well maintained in 1930, when 209,349 tons of coal were produced as compared with the 1929 output of 218,706 tons. The mines in operation during the year produced 74 per cent of their possible output; the time lost was due principally to lack of orders, with small losses from absenteeism, mine disability and other causes. These temporary stoppages occasioned a computed loss in output of 73,037 tons.

Railroads supply the principal market for New Brunswick coal; in 1930 approximately 69.19 per cent of the total shipments were for railroad use. Coal shipped for domestic and industrial consumption within the province accounted for 30.56 per cent of the total shipments. Prince Edward Island and Quebec provided a market for the remainder of the New Brunswick coal shipped during the year.

Exports through New Brunswick ports totalled 24,724 tons, an increase of 19.97 per cent over the tonnage exported in 1929, but a decline of 18.74 per cent from the five-year average of 30,427 tons.

New Brunswick mines provided employment in 1930 for 613 persons, whose earnings totalled \$570,606. There were 584 wage-earners employed who were furnished with 134,720 man-days work during the year, so that each worker averaged 230 days employment.

The annual report of the New Brunswick Inspector of Mines sums up the coal mining situation in the province during the year ending October 31, 1930, as follows:—

"It may be said of the coal output for the year that while it is somewhat below the average, it was not by any means a poor year. Had the Avon Coal Company been able to maintain its output of last year the tonnage would have considerably exceeded the average of the past ten years. The Avon Coal Company is a subsidiary of the Nashwaak Pulp and Paper Company who have indefinitely suspended their milling operations in this Province. Their pulp mill at Fairville had been using Minto coal in considerable quantity and in pulverized form with a high degree of efficiency previous to its close. It must be noted, however, in addition to this that the particular field from which the bulk of their coal was mined is now nearing depletion. The Minto Coal Company, the Miramichi Lumber Company, Welton and Henderson, and W. B. Evans (Rothwell Mine) have all had greater production than last year.

"The future of this industry in the Province depends upon at least three factors. Competition of outside coals; the state of manufacturing and transportation; methods of using the coal. The industry must meet the competition of Nova Scotia and American coals as best it can. Trade conditions must be accepted as they are. But with improved methods for using provincial coal the demands for this coal should increase. This would include mechanical stokers particularly adapted to the use of Minto coal but especially should it apply to the use of our coal in pulverized form. Reference has been made in former reports to the high rate of efficiency obtained from the use of our coal in this way. This is known from actual experience here and elsewhere. It is a sign of encouragement, therefore, that the New Brunswick Power Commission are at present erecting a 5,000 k.w. plant near Minto which will use about 25,000 tons of our coal each year in this highly economical way. The enterprise should be helpful not only for the present utilization of this coal for power but for the possibilities of future expansion of this plant and as an illustration to other industrials which will use sufficient power to warrant use of this type of plant. A recent order of a car a day for an extended period was received from a plant using pulverized fuel. This does not by any means supply the full need of that plant but is an index to the possibility of extending the coal trade through its increased use in powdered form. Since slack coal may be used to advantage in this way a ready market is now provided for this cheaper grade of coal."

Table 67.—Output of Coal from New Brunswick Mines, 1887-1930
(Short tons)

Calendar year	Output	Value	Calendar year	Output	Value
	\$				\$
1887.....	10,040	23,607	1910.....	55,455	110,910
1888.....	5,730	11,050	1911.....	55,781	111,562
1889.....	5,673	11,733	1912.....	44,780	89,560
1890.....	7,110	13,850	1913.....	70,311	166,637
1891.....	5,422	11,030	1914.....	98,049	241,075
1892.....	6,788	9,375	1915.....	127,391	309,612
1893.....	6,200	9,837	1916.....	143,540	386,016
1894.....	6,469	10,264	1917.....	189,095	708,010
1895.....	9,500	14,250	1918.....	268,212	1,331,710
1896.....	7,500	11,230	1919.....	166,377	735,386
1897.....	6,000	9,000	1920.....	171,610	1,091,440
1898.....	6,160	9,240	1921.....	187,192	920,666
1899.....	10,528	15,792	1922.....	257,513	1,107,643
1900.....	10,000	15,000	1923.....	276,617	1,196,772
1901.....	17,630	51,857	1924.....	217,121	932,185
1902.....	18,795	39,680	1925.....	208,012	815,367
1903.....	16,000	40,000	1926.....	173,111	710,245
1904.....	9,112	18,224	1927.....	203,950	885,038
1905.....	29,400	58,800	1928.....	207,738	860,104
1906.....	34,076	68,152	1929.....	218,706	809,169
1907.....	34,584	77,814	1930.....	209,349	864,118
1908.....	60,000	135,000	Total.....	3,951,636	15,253,526
1909.....	49,029	98,496			

* For the years 1919-1930 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 68.—Output of Coal from New Brunswick Mines by Months, 1926-1930
(Short tons)

Month	1926	1927	1928	1929	1930
January.....	15,787	18,596	18,940	22,139	24,964
February.....	19,893	20,211	18,949	23,096	20,083
March.....	18,977	22,300	20,798	20,891	18,025
April.....	15,151	18,645	13,620	19,682	18,254
May.....	11,154	15,662	14,591	16,606	13,035
June.....	11,908	15,094	17,157	14,327	15,470
July.....	13,069	14,134	14,962	14,717	14,923
August.....	12,425	14,401	15,972	16,979	15,747
September.....	12,870	15,252	15,531	16,815	14,265
October.....	12,307	15,539	19,499	16,883	17,152
November.....	13,086	17,185	19,314	17,417	15,921
December.....	16,484	16,931	18,405	19,154	20,010
Total.....	173,111	203,950	207,738	218,706	209,349

Table 69.—Tonnage Lost in New Brunswick Coal Mines, Showing the Relative Percentage Produced and Lost, with an Analysis of the Percentage Lost, 1929 and 1930

Year	Per cent produced	Per cent lost	Percentage lost through				
			Absenteeism	Lack of orders	Car shortage	Mine disability	Other causes
1929.....	78	21	0.1	9.0	0.0	0.1	11.8
1930.....	74	26	1.2	23.0	0.0	0.1	1.7

Table 70.—Disposition of Coal from New Brunswick Mines by Grades, 1929 and 1930
(Short tons)

	1929						1930					
	Run-of-mine	Screened	Slack	Total		Run-of-mine	Screened	Slack	Total		Run-of-mine	Screened
				Quantity	Value				Quantity	Value		
Supplied to employees for domestic consumption.....	3,333		67	3,400	12,585	2,852	148	36	3,036	11,886		
Shipped as per Table 71.....	91,193	97,744	18,967	207,904	865,868	77,053	96,582	26,114	199,749	\$25,079		
Used under colliery boilers, etc.....	5,686		608	6,294	25,758	4,750		606	5,362	21,341		
Used by companies' railroads.....	1,102			1,102	4,936	900			900	4,056		
Put on bank.....	2,093	1,847	16,800	20,748	59,453	3,815	961	4,925	5,731	31,883		
Put on waste heap.....				53					53			
Total disposition.....	103,407	99,591	36,142	239,493	965,620	89,166	97,691	31,681	218,831	896,745		
Lifted from bank.....	2,393	1,669	16,735	20,787	59,451	3,193	1,983	5,206	9,482	32,627		
Total output.....	101,014	97,922	19,717	218,706	909,169	86,213	96,608	26,475	209,349	864,118		

Table 71.—Shipments of Coal from New Brunswick Mines by Grades and Destination, 1929 and 1930

(Short tons)

Destination	1929				1930			
	Run-of-mine	Screened	Slack	Total	Run-of-mine	Screened	Slack	Total
New Brunswick.....	43,771	10,975	11,876	66,622	27,178	15,701	18,158	61,037
Prince Edward Island.....		80		80		116		116
Quebec.....	117		98	215	147	149	87	283
Ontario.....								
United States.....		41		41				
Railroads.....	47,305	86,648	6,993	140,946	49,728	80,616	7,869	138,213
Total.....	91,193	97,744	18,967	207,904	77,053	96,582	26,114	199,745

Table 72.—Output of Coal by Principal Collieries in New Brunswick 1928-1930.
(Average output of 500 tons or more per month)

(Short tons)

Name	Address	1928	1929	1930
Avon Coal Co., Ltd.....	St. John.....	46,013	51,503	40,544
Colter, A. A. (formerly Chipman Coal Co.).....	Fredericton.....	6,760	7,338	2,830
Evans, W. B.....	Minto.....	19,006	20,457	19,232
Minto Coal Co., Ltd.....	St. John.....	79,730	77,716	75,359
Miramichi Lumber Co., Ltd.....	Minto.....	22,575	22,545	27,847
Welton Harvey.....	Minto.....	17,620	17,578	16,602
Welton & Henderson Ltd.....	Minto.....	12,532	16,083	22,925
All other operators.....		3,502	4,886	4,010
Total.....		207,738	218,706	209,349

Table 73.—Exports of Canadian Coal through New Brunswick Ports, 1926-1930

(Short tons)

Port	1926	1927	1928	1929	1930
McAdam Junction.....	157	187	1	.....	.....
St. Andrews.....	12,902	49,070	21,196	14,789	5,149
St. John.....	258	.....	.....	.....	.....
St. Stephen.....	11,612	6,091	4,543	5,820	19,575
Woodstock.....	.....	.....	.....	.....	.....
Total	24,929	55,354	25,740	20,609	24,724

Table 74.—Imports into New Brunswick of Anthracite and Bituminous Coal, by Sources and by Ports of Entry, 1929 and 1930

Port	Source	1929					1930				
		Anthracite			Bitum- inous all grades	Total	Anthracite			Bitum- inous all grades	Total
		Egg, nut, etc.	Dust	Total			Egg, nut, etc.	Dust	Total		
Bathurst.....	U.S.	47	.....	47	31	78	34	.....	34	60	94
Campbellton.....	U.S.	775	.....	775	54	829	53	.....	53	34	87
Chatham.....	G.B.	.....	.....	.....	.....	1,405	.....	.....	1,405	.....	1,405
Fredericton.....	U.S.	995	.....	995	169	1,164	427	.....	427	112	539
McAdam Junction.....	U.S.	490	.....	490	42,513	43,003	207	.....	207	28,425	28,632
Moncton.....	U.S.	1,813	.....	1,813	2,428	4,241	.....	.....	.....	.....	.....
Newcastle.....	G.B.	.....	.....	.....	.....	.....	.....	.....	.....	5,792	5,792
Sackville.....	U.S.	485	218	703	.....	703	354	101	455	37	492
St. Andrews.....	U.S.	36,878	202	37,078	25,838	62,916	23,734	1,268	25,002	34,849	59,851
St. John.....	G.B.	50,798	.....	50,798	341	51,139	57,783	.....	57,783	35	57,818
Russia.....	U.S.	12,697	.....	12,697	12,697	24,880	.....	.....	24,880	24,880	24,880
St. Stephen.....	G.B.	2,782	35	2,817	893	3,710	1,931	129	2,060	2,733	4,793
Woodstock.....	U.S.	1,911	1,911	1,911	.....	1,911	1,656	.....	1,656	1,656	1,656
Total	U.S.	44,653	455	45,108	75,267	120,875	26,827	1,498	25,325	72,299	100,624
	G.B.	50,798	1,911	52,709	341	53,050	60,844	.....	60,844	35	60,879
	Russia	12,697	.....	12,697	.....	12,697	24,880	.....	24,880	.....	24,880
Grand total		108,148	2,366	110,514	76,108	186,622	112,551	1,498	114,049	72,334	186,283

Table 75.—Summary Statistics for 1930—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 Russia	Coal available for consumption
	Output	Received from other provinces	Shipped to other provinces				
January—							
Anthracite.....	24,964	46,523	46	847	4,580	6,810	11,390
Bituminous.....					5,097		76,591
Total.....	24,964	46,523	46	847	10,577	6,810	87,981
February—							
Anthracite.....	20,083	47,868	47	2,655	430	5,177	12,743
Bituminous.....					4,006		69,255
Total.....	20,083	47,868	47	2,655	4,436	5,177	81,998
March—							
Anthracite.....	18,625	40,781			597	13,753	14,350
Bituminous.....					2,552	5	59,870
Total.....	18,625	40,781		2,093	3,149	13,758	74,220
April—							
Anthracite.....	18,254	30,756	40	296	1,261	3,929	6,200
Bituminous.....					2,529		
Total.....	18,254	30,756	40	296	3,790	3,929	62,593
May—							
Anthracite.....	13,935	35,449	49	1,701	1,669	7,864	9,533
Bituminous.....					5,795		
Total.....	13,935	35,449	49	1,701	7,464	7,864	62,062
June—							
Anthracite.....	15,470	25,748	76	270	2,795	3,764	6,559
Bituminous.....					5,675		
Total.....	15,470	25,748	76	270	8,470	3,764	53,106
July—							
Anthracite.....	14,923	19,772			1,121	1,405	5,345
Bituminous.....					5,805	30	
Total.....	14,923	19,772		110	6,926	1,435	5,345
August—							
Anthracite.....	15,747	29,585			5,195	3,466	8,661
Bituminous.....					4,984		
Total.....	15,747	29,585		354	10,179	3,466	58,023
September—							
Anthracite.....	14,265	28,123	206	922	863	3,684	4,547
Bituminous.....					10,607		
Total.....	14,265	28,123	206	922	11,470	3,684	54,414
October—							
Anthracite.....	17,152	48,882			4,200	1,844	6,044
Bituminous.....					7,873		
Total.....	17,152	48,882		481	12,073	1,844	79,470
November—							
Anthracite.....	15,921	45,062			1,076	1,784	6,199
Bituminous.....					5,452		
Total.....	15,921	45,062		12,035	6,528	1,784	63,459
December—							
Anthracite.....	20,010	46,562	35	2,960	4,538	7,304	11,902
Bituminous.....					11,024		
Total.....	20,010	46,562	35	2,960	15,562	7,304	80,503
Total—							
Anthracite.....	209,349	443,111	499	24,724	28,325	60,844	114,019
Bituminous.....					72,299	35	
Total.....	209,349	443,111	499	24,724	100,624	60,879	813,620

Table 76.—Employees, Salaries and Wages in the Coal Mines of New Brunswick, 1929 and 1930

	1929	1930
Number of salaried employees—		
Male.....	25	23
Female.....	2	6
Number of wage-earners—		
Surface.....	126	125
Underground.....	452	459
Total.....	605	613
Salaries and wages—		
Salaries.....	\$ 51,312	\$ 56,487
Wages.....	\$ 542,469	\$ 514,119
Total.....	\$ 593,781	\$ 570,606

Table 77.—Employment and Earnings in the Coal Mines of New Brunswick, 1926-1930

	1926	1927	1928	1929	1930
Average number of employees—					
Surface.....	129	128	126	126	125
Underground.....	415	430	459	452	459
Total.....	544	558	585	578	584
Days' work done—					
Surface.....	32,492	36,273	35,363	31,359	29,735
Underground.....	103,098	123,047	120,438	110,252	104,985
Total.....	135,590	159,320	155,801	141,611	134,720
Average number of days worked per man per year—					
Surface.....	252	283	281	248	237
Underground.....	248	286	262	243	229
By all wage-earners.....	249	285	286	245	238
Total wages paid.....	\$ 432,066	\$ 570,043	\$ 553,447	\$ 542,469	\$ 514,119
Average wage earned per man per day.....	\$ 3.18	\$ 3.58	\$ 3.55	\$ 3.83	\$ 3.82

Table 78.—Wage-Earners and Work Done by Months in the Coal Mines of New Brunswick, 1930

Month	Number of wage-earners			Days' work done		
	Surface	Under-ground	Total	Surface	Under-ground	Total
January.....	126	491	617	3,187	12,542	15,729
February.....	127	498	625	2,546	9,704	12,330
March.....	125	476	601	2,489	9,260	11,749
April.....	118	474	592	2,380	9,284	11,664
May.....	118	437	555	2,118	7,319	9,437
June.....	118	435	553	2,469	8,533	11,002
July.....	129	437	566	2,475	7,596	10,071
August.....	135	418	553	2,623	7,085	9,708
September.....	128	435	563	1,948	6,991	8,339
October.....	127	462	589	2,431	8,699	11,130
November.....	123	452	575	2,160	7,998	10,158
December.....	128	498	626	2,009	9,974	12,883
Total.....				29,735	104,985	134,720

Table 79.—Wage-Earners Employed in the Coal Mines of New Brunswick by Classes, 1929 and 1930

Classification	1929			1930		
	Surface	Under-ground	Total	Surface	Under-ground	Total
SURFACE—						
Administration	14		14	13		13
Foremen and clerks	10	5	15	9	7	16
Screenmen and loaders	34		34	32		32
UNDERGROUND—						
Officials	10	10	10	1	3	4
Hand cutters and helpers	380	290	380	378	378	378
Machine cutters	4	4	4	6	6	6
Machine loaders and helpers	13	13	13	18	18	18
Horse haulage employees	1	1	1	1	1	1
Mechanical hauling employees	14	14	14	8	8	8
Ventilation employees						
Roadmakers	1	4	5	1	6	7
Timbermen	6	9	15	9	13	22
Pumpmen	2	2	1	1		1
MISCELLANEOUS—						
Engineers	10		10	11		11
Firemen	4		4	3		3
Machinists	1		1	2		2
Carpenters and masons	8		8	5		5
Other mechanics	2		2	1		1
All other employees	33	13	46	38	20	58
Total	126	452	578	125	459	584

Table 80.—Capital Employed in the Coal Mines of New Brunswick, 1929 and 1930

	1929	1930
	\$	\$
Capital employed as represented by—		
Cost of lands, buildings, machinery and tools	1,452,893	1,390,495
Cost of supplies and stock on hand	24,243	24,900
Cash, trading and operating accounts and bills receivable	170,527	227,008
Total	1,656,663	1,642,403

CHAPTER FIVE
QUEBEC

Quebec is dependent upon outside sources for its coal supply and in 1930 its principal sources of supply were the Maritime provinces and the United States, supplemented by considerable tonnages from Great Britain and Russia. The total coal made available for consumption in Quebec was 5,053,161 tons, made up of 37.5 per cent from Nova Scotia, 36.9 per cent from the United States, 20.4 per cent from Great Britain and 5.0 per cent from Russia.

In 1930, Quebec obtained from the United States 1,866,708 tons of coal consisting of 754,897 tons of anthracite and 1,111,811 tons of bituminous. Imports from Great Britain totalled 1,028,859 tons, including 903,928 tons of anthracite and 124,931 tons of bituminous. Importations of anthracite coal from Russia commenced in December, 1928, continued during 1929 and assumed major importance in 1930 when 252,187 tons were cleared through Quebec ports. A small shipment of bituminous coal was received from Newfoundland during the year. Imports in 1930 reached a total of 3,159,267 tons as compared with 2,864,283 tons in the preceding year.

The Federal Government, by Order-in-Council P.C. 539 dated March 30, 1928, authorized test movements of Nova Scotia and New Brunswick coal to Quebec and Ontario during 1928, 1929 and 1930. The all-rail test movement provides maximum temporary rates of \$3 per ton for Nova Scotia coal and \$2.10 per ton for New Brunswick coal shipped to points in Quebec. Further provision is made for eastern Canada coal carried by water to St. Lawrence ports and thence trans-shipped to Quebec and Ontario by rail—the Order provides a temporary rate of one-fifth of a cent per ton-mile less than the rate that would otherwise apply. A maximum reduction of 75 cents per ton is provided.

Table 81.—Exports of Canadian Coal through Quebec Ports, 1926-1930

(Short tons)

Port	1926	1927	1928	1929	1930
Abercorn.....					
Athelstan.....			40	250	
Canticoor.....					
Lake Megantic.....			1	30	30
Montreal.....					
Quebec.....	2				
St. Armand.....					
St. John's.....	673	50	155	100	200
Three Rivers.....			5		
Total.....	675	91	440	130	200

Table 82.—Imports into Quebec of Anthracite and Bituminous Coal by Ports of Entry, 1929 and 1930

(Short tons)

Port	Source	1929					1930				
		Anthracite			Bitum. inous, all grades	Total	Anthracite			Bitum. inous, all grades	Total
		Egg, nut, etc.	Dust	Total			Egg, nut, etc.	Dust	Total		
Abercorn	U.S.										
Athelstan	U.S.	271,001	2,241	273,242	198,747	471,989	153,757	3,090	157,447	118,582	276,029
Beebe Junction	U.S.	782	27	809	670	1,479					
Chicoutimi	U.S.	2,978	44	3,022	31,242	34,264	510		510	23,277	23,787
	G.B.		2,989	2,989	8,636	11,625			9,213	9,213	21,459
	Russia	7,172		7,172		7,172	13,490		13,490		13,490
Coaticook	U.S.	100		100	50	150				147	117
	G.B.						21,500	9,886	31,455		31,455
Drummondville	U.S.	4,686		4,686		4,686					
Gaspé	U.S.	644		71	71	952	1,023	135	57	192	1,057
Granby	U.S.	89		644		644					
Hull	U.S.	8,508	511	9,079	10,769	19,818	7,222	627	7,849	12,172	20,021
Lake Megantic	U.S.						32	32			57
Macdonville	U.S.	17,650	1,250	18,906	734,294	753,200	22,289	7,236	29,525	579,179	608,704
Montreal	U.S.	510,549	957	511,506	29,581	541,057	749,598	1,826	751,424	53,080	805,104
	G.B.										
	Germany						11,480				11,480
Paspébiac	U.S.	79,686		79,686		79,686	193,185				193,185
Perce	U.S.	597		597	32,972	33,569	732			732	62,334
Port Burwell	U.S.										
	G.B.	20		20		20					
Quebec	U.S.	50,043	2,401	52,444	52,802	105,306	22,577	1,009	23,586	94,591	118,177
	G.B.	74,860	1,160	76,020	42,817	118,537	83,051	4,817	87,868	34,055	121,923
	Russia						38,192		38,192		38,192
Newfoundland											
Rimouski	U.S.	444	43	487	380	873	55			33	33
Rock Island	U.S.	2,171	370	2,541	3,018	5,559	2,849	300	3,149	55	55
St. Armand	U.S.	1,113	37	1,150	634	1,784	1,457	410	1,867	720	6,055
St. Hyacinthe	U.S.	479	348	827	1,741	2,568	723	884	1,607	1,664	2,587
St. John's	U.S.	307,923	93,277	401,200	74,304	475,504	371,475	98,783	470,268	121,126	591,334
Shawinigan Falls	U.S.	714		714	3,272	3,986	394	135	529	1,256	1,785
Sherbrooke	U.S.	7,430	47,814	55,244	19,198	74,442	5,437	42,119	47,556	12,617	60,123
	G.B.	2,450		2,450		2,450			42	42	42
Sorel	U.S.	29		29		29					
	G.B.	1,124	74	1,198	4,201	5,499	701		701	7,760	8,470
Sutton	U.S.										
	G.B.	2,450		2,450		2,450					
Three Rivers	U.S.	7,433		7,433		7,433					
	G.B.	850	31	890	44,083	44,973	2,528		2,528	62,665	65,193
Valleyfield	U.S.	4,850	840	5,799	11,907	17,706	6,747	3,167	9,914	24,950	34,864
	G.B.	7,818	224	8,042	16,466	24,508	6,563	117	6,686	8,357	15,037
Total	U.S.	682,533	148,763	831,296	1,242,180	2,073,476	599,520	155,377	751,897	1,111,811	1,866,708
	G.B.	592,838	5,946	598,784	92,941	691,725	863,972	39,956	903,928	131,931	1,028,859
	Germany						11,480		11,480		11,480
	Newfoundland										
	Russia	99,006		99,006		99,006	232,187		232,187		232,187
Grand total		1,374,377	154,709	1,529,086	1,335,197	2,864,283	1,727,139	195,333	1,922,492	1,236,775	3,159,267

Table 83.—Summary Statistics for 1930—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	Imported from Russia	Imported from Germany	Imported from Newfoundland	Coal available for consumption
	Received from other provinces	Exported						
January—								
Anthracite.....			66,070	6,928				72,008
Bituminous.....	18,149		49,237					67,386
Total.....	18,149		115,307	6,928				140,384
February—								
Anthracite.....			81,658	21,511				103,169
Bituminous.....	16,028		35,806					51,844
Total.....	16,028		117,464	21,511				155,013
March—								
Anthracite.....			52,838	39,207				92,045
Bituminous.....	10,593		43,506					54,099
Total.....	10,593		96,344	39,207				146,144
April—								
Anthracite.....			28,911	248				29,150
Bituminous.....	85,551		23,855					109,406
Total.....	85,551		52,766	248				138,565
May—								
Anthracite.....			52,816	103,187	7,525			163,528
Bituminous.....	298,285		42,967	25,525				366,777
Total.....	298,285		95,783	128,712	7,525			530,305
June—								
Anthracite.....			56,678	130,949	57,165			244,790
Bituminous.....	295,783		153,119	17,988				466,881
Total.....	295,783		209,786	148,937	57,165			711,671
July—								
Anthracite.....			50,508	101,041	22,043			173,592
Bituminous.....	178,431	200	143,113	27,261				348,625
Total.....	178,431	200	193,621	128,302	22,043			522,217
August—								
Anthracite.....			53,803	118,095	52,999			224,897
Bituminous.....	278,853		138,583	12,255				429,694
Total.....	278,853		192,386	130,350	52,999			654,591
September—								
Anthracite.....			99,601	115,096	51,578			266,365
Bituminous.....	232,450		164,238	24,018				420,706
Total.....	232,450		263,929	139,114	51,578			687,071
October—								
Anthracite.....			86,543	122,284	45,509			254,336
Bituminous.....	273,608		165,973	16,310				455,891
Total.....	273,608		252,516	138,594	45,509			710,227
November—								
Anthracite.....			71,382	108,110	15,368	5,544		200,404
Sub-Bituminous.....	32							32
Bituminous.....	188,865		116,728	1,574				307,167
Total.....	188,897		188,110	109,684	15,368	5,544		507,603
December—								
Anthracite.....			54,001	37,272		5,936		97,209
Bituminous.....	17,466		34,695					52,161
Total.....	17,466		88,696	37,272		5,936		149,370
Total—								
Anthracite.....			754,897	903,928	252,187	11,480		1,922,492
Sub-bituminous.....	32							32
Bituminous.....	1,894,062	200	1,111,811	124,931				3,130,637
Total.....	1,894,064	200	1,866,708	1,028,859	252,187	11,480		5,053,161

CHAPTER SIX

ONTARIO

Ontario derives its entire supply of coal from outside sources. During 1930, the United States supplied 99.8 per cent of the coal made available for consumption in Ontario; and other Canadian provinces, the remainder. Owing to the long freight haul between Ontario and Canadian coal fields either in the east or the west, it has been found impossible to transport any very considerable tonnages to Ontario. However, experimental shipments of coal have been made from Alberta mines to Ontario points and some Nova Scotia coal has been trans-shipped from stock at Montreal to Ontario centres. The Federal government by Order-in-Council P.C. 439, dated March 16, 1928, provided for further test movements of Alberta coal to Ontario for a three-year period. A temporary freight rate of \$6.75 per ton was established to be effective for not less than three months in each year during the period of the test movement. By Order-in-Council P.C. 1268, of June 5, 1930, the provisions of the previous order were extended for a further period of one year.

It is difficult to state definitely how much coal is consumed in Ontario annually, as coal dumped at Fort William and Port Arthur is not only used in northern and western Ontario but a considerable tonnage finds its way into Manitoba. For this reason, it has been found advisable in compiling the data for this series of reports to consider Ontario in two parts. Central Ontario, or the area lying to the east and south of Sault Ste. Marie is well settled and highly industrialized. Moreover, coal imported through any port in this area is likely to be consumed within the boundaries above defined. Shipments of coal from the United States unloaded at Fort William and Port Arthur, the ports at the head of Lake Superior, find their final destination partly in the north-western section of Ontario lying between the Great Lakes and the Manitoba boundary and partly in Manitoba. A very considerable trade in coal has been established between the lower lake ports and the ports at the head of the lakes, as the vessels carrying cargoes of coal in this direction are able to obtain return cargoes of iron ore from the Minnesota iron ranges. For convenience, and because of the difficulty in making a true separation as between the tonnages of coal used in north-western Ontario and Manitoba, statistics have been prepared for the coal consuming area embracing Manitoba and north-western Ontario.

The importations of anthracite coal into Ontario during the past five years has averaged 2.3 million tons. In 1930, receipts from the United States amounted to 2,125,922 tons as compared with 2,254,957 tons in 1929. There were no direct imports of Great Britain coal into Ontario during 1930; in the previous year 44,130 tons were obtained from this source.

Importations of bituminous coal show a considerable variation from year to year, according to the fluctuations of industrial demand, but the average consumption during the past five years has been about 12.44 million tons. Receipts at Central Ontario ports in 1930 totalled 10.49 million tons and through the ports of Fort William and Port Arthur, 1.46 million tons, making a total of 11.95 million tons brought into the whole area.

Nova Scotia coal consumed in Ontario amounted to 169,672 tons in 1930 as against 140,619 tons in 1929. This coal was shipped to Ontario points from stock at Montreal.

Alberta operators shipped 30,548 tons of coal to Ontario in 1930 under the test movement temporary freight rate of \$6.75 per ton. In addition Ontario received 1,388 tons from Saskatchewan and 107 tons from British Columbia.

The Ontario Department of Mines continued investigational and development work on the lignite deposits at Onakawana. Drilling on these deposits was continued throughout the year with the exception of the in-between periods when it was impossible to get into the muskeg. The object of this drilling was to extend the area underlain by lignite and resulted in delimiting the extent in certain directions. Altogether about six square miles are underlain by the lignite seams.¹

¹From a report by T. F. Sutherland, Acting Deputy Minister, Ontario Department of Mines.

Table 84.—Exports of Canadian Coal through Ontario Ports, 1926-1930

(Short tons)

Port	1926	1927	1928	1929	1930
Bridgeburg.....					
Fort Frances.....		410	36	97	70
Niagara Falls.....				49	
Sarnia.....	600				
Total.....	600	410	36	146	70

Table 85.—Imports into Ontario of Anthracite and Bituminous Coal by Ports of Entry, 1929 and 1930

(Short tons)

Port	Source	1929			1930			Bituminous all grades	Total		
		Anthra-	Bitum-	Total	Anthracite						
					Egg, nut., etc.	Dust	Total				
CENTRAL ONTARIO—											
Amherstburg	U.S.	11,553	70,094	81,647	12,073	39	12,112	45,368	57,480		
Belleville	U.S.	20,430	111,113	131,543	17,299	313	17,612	136,566	154,178		
G.B.											
Bowmanville	U.S.	7,315	8,338	15,653	6,841	133	6,974	7,022	14,586		
Brantford	U.S.	39,131	52,615	91,746	37,031	585	37,616	44,216	81,832		
Bridgeburg	U.S.	69,729	280,863	350,592	67,130	2,833	69,963	199,562	269,525		
Brockville	U.S.	20,106	15,041	35,207	16,004	4,181	20,185	20,028	40,213		
Chatham	U.S.	6,567	489,613	496,180	6,111	271	6,382	351,786	358,168		
Cobourg	U.S.	14,509	340,347	354,856	14,507	76	14,583	307,224	321,807		
Collingwood	U.S.	11,225	11,064	22,289	8,474	467	8,941	10,444	19,385		
Cornwall	U.S.	38,467	11,061	49,528	11,455	621	12,076	9,951	22,007		
Deseronto	U.S.	748	143	891							
Fort Frances	U.S.	303	100,141	100,444	224		224	70,403	70,627		
Galt	U.S.	27,017	48,624	75,641	25,462	202	25,664	44,807	70,171		
Gananoque	U.S.	5,208	6,121	11,329	4,924	392	5,216	4,230	9,146		
Goderich	U.S.	23,371	62,573	85,944	24,416	290	24,706	48,808	73,514		
Guelph	U.S.	42,483	66,250	108,733	38,785	919	39,704	63,696	103,400		
Hamilton	U.S.	134,787	1,183,012	1,337,799	121,810	28,262	149,872	1,355,744	1,505,616		
Ingersoll	U.S.	10,272	14,121	24,393	8,380		8,380	15,124	21,504		
Kemora	U.S.	97	102	199				64	64		
Kingston	U.S.	39,025	49,962	89,887	41,275	2,328	43,603	50,473	100,076		
Kitchener	U.S.	41,939	99,783	141,722	38,040	1,986	40,026	88,258	129,281		
Lindsay	U.S.	11,041	19,004	30,815	10,579	205	10,784	15,143	25,927		
London	U.S.	97,785	103,239	201,034	89,945	2,250	92,204	85,980	178,184		
Midland	U.S.	4,674	121,075	125,749	3,793	537	4,330	95,148	99,478		
Morrisburg	U.S.	4,596	685	5,291	3,730	114	3,844	413	4,237		
Napanee	U.S.	9,871	14,682	24,533	8,623	442	9,065	16,574	25,639		
Niagara Falls	U.S.	87,100	553,625	610,725	80,919	3,305	84,224	279,152	363,376		
North Bay	U.S.	22,544	51,420	73,964	14,397	506	14,003	44,456	59,339		
Orillia	U.S.	13,622	26,900	40,522	12,709	882	13,591	17,500	31,081		
Oshawa	U.S.	26,663	71,854	98,517	22,414	1,779	24,193	60,647	84,840		
Ottawa	U.S.	153,114	135,188	288,302	121,529	14,988	136,517	125,556	262,073		
Owen Sound	U.S.	6,101	23,473	29,574	5,475	197	5,672	20,970	26,612		
Puris	U.S.	10,008	13,325	23,333	9,425	189	9,614	13,083	22,697		
Purry Sound	U.S.	1,982	552,131	554,113	2,277		2,277	659,026	664,303		
Peterboro	U.S.	33,930	53,437	87,367	32,812	740	33,552	82,804	86,356		
Pierton	U.S.	6,969	4,632	11,601	6,222		6,222	5,771	11,993		
Port Hope	U.S.	10,463	9,522	19,988	10,071	251	10,322	8,133	18,455		
Port McNicoll	U.S.	467	15,107	15,574	434		434	11,312	11,716		
Prescott	U.S.	19,112	850,721	878,833	17,089	291	17,980	818,539	836,519		
St. Catharines	U.S.	43,805	171,088	214,893	42,374	2,345	44,719	218,806	263,615		
St. Thomas	U.S.	21,191	365,471	386,665	18,232	485	18,717	294,492	313,269		
Sarnia	U.S.	5,468	486,906	492,434	5,096		5,096	369,920	375,016		
Sault Ste. Marie	U.S.	5,309	1,480,039	1,485,355	6,930	492	7,422	1,121,219	1,128,641		
Simcoe	U.S.	2,966	16,999	19,965	3,711	91	3,802	15,378	19,180		
Stratford	U.S.	51,563	64,256	115,819	48,385	650	49,035	58,094	107,329		
Sudbury	U.S.	13,092	0,652	22,744	14,239	57	14,296	13,021	27,317		
Tilsonburg	U.S.	2,841	384,816	387,652	2,915		2,915	326,660	329,675		
Toronto	U.S.	836,080	1,332,776	2,168,836	738,881	68,016	806,897	1,322,092	2,128,939		
Trenton	U.S.	44,130		44,130							
Wallaceburg	U.S.	10,819	30,222	41,041	10,523	91	10,614	29,070	39,684		
Welland	U.S.	435	37,766	38,201	501		501	32,469	32,970		
Whitby	U.S.	41,944	327,566	369,519	37,952	2,138	40,090	632,118	672,208		
Windsor	U.S.	12,571	8,679	21,350	10,498	180	10,678	12,615	23,293		
Woodstock	U.S.	25,284	943,955	969,239	19,367	1,659	21,026	809,073	830,999		
	G.B.	22,004	21,893	44,887	20,889	417	21,306	25,473	46,779		
TOTAL FOR CENTRAL-ONTARIO	U.S.	2,202,236	11,332,168	13,534,404	1,933,577	147,104	2,080,681	10,492,151	12,572,832		
	G.B.	44,130									
HEAD OF LAKES—											
Fort William	U.S.	52,369	1,591,656	1,644,025	45,241		45,241	1,297,939	1,343,180		
Port Arthur	U.S.	352	143,889	144,241				165,499	165,199		
TOTAL HEAD OF LAKES	U.S.	52,721	1,735,545	1,788,266	45,241		45,241	1,463,438	1,508,679		
Total for Ontario	U.S.	2,254,857	13,067,713	15,322,670	1,978,818	147,104	2,125,922	11,955,589	14,081,511		
	G.B.	44,130		44,130							
Grand total		2,299,087	13,067,713	15,366,800	1,978,818	147,104	2,125,922	11,955,589	14,081,511		

Table 86.—Summary Statistics for 1930-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 (All from U.S.A.)	Coal available for consumption
	Received from other provinces	Exported					
January—							
Anthracite.....			257,110		257,110		257,110
Bituminous.....			785,221		785,221	71	785,292
Sub-bituminous.....	1,088				1,088		1,088
Lignite.....	4,936				4,936		4,936
Total.....	6,024		1,042,331		1,048,355	71	1,048,426
February—							
Anthracite.....			241,332		241,332		241,332
Bituminous.....			627,268		627,268		627,268
Sub-bituminous.....	811				811		811
Lignite.....	2,760				2,760		2,760
Total.....	3,571		868,600		872,171		872,171
March—							
Anthracite.....			157,600		157,600		157,600
Bituminous.....			739,831		739,831		739,831
Sub-bituminous.....	222				222		222
Lignite.....	1,024				1,024		1,024
Total.....	1,246		897,431		898,677		898,677
April—							
Anthracite.....			82,001		82,001		82,001
Bituminous.....			503,450		503,450	164	503,614
Sub-bituminous.....	33				33		33
Lignite.....	831				831		831
Total.....	864		585,451		586,315	164	586,479
May—							
Anthracite.....			117,515		117,515	13,464	139,979
Bituminous.....			812,842		812,842	167,779	980,621
Sub-bituminous.....	75				75		75
Lignite.....	514				514		514
Total.....	589		930,357		930,946	181,243	1,112,189
June—							
Anthracite.....			129,507		129,507	10,423	139,939
Bituminous.....	30		1,089,221		1,089,251	204,827	1,294,078
Sub-bituminous.....	274				274		274
Lignite.....	1,265				1,265		1,265
Total.....	1,569		1,218,728		1,220,297	215,250	1,435,547
July—							
Anthracite.....			119,759		119,759		119,759
Bituminous.....	43		1,088,409		1,088,452	202,697	1,291,149
Sub-bituminous.....	1,163				1,163		1,163
Lignite.....	3,735				3,735		3,735
Total.....	4,941		1,208,168		1,213,100	202,697	1,415,806
August—							
Anthracite.....			126,269		126,269	5,033	131,302
Bituminous.....			994,024		994,024	275,374	1,269,388
Sub-bituminous.....	40				40		40
Lignite.....	597				597		597
Total.....	637		1,120,293		1,120,930	280,407	1,401,337
September—							
Anthracite.....			222,788		222,788	9,477	232,265
Bituminous.....	34	38	1,008,518		1,008,514	325,427	1,333,911
Sub-bituminous.....	231				231		231
Lignite.....	932	32			900		900
Total.....	1,197	70	1,231,306		1,232,433	334,904	1,567,337

Table 86.—Summary Statistics for 1930-Interprovincial Shipments, Exports, Imports and Coal made Available for Consumption in Ontario, by Months and by Kinds—Concluded

(Short tons)

	Central Ontario				Head of Lakes Coal available for consumption (All from U.S.A.)	Total Ontario Coal available for consumption		
	Canadian coal		Imported from U.S.A.	Imported from Great Britain				
	Received from other provinces	Exported						
October—								
Anthracite.....			227,518		227,518	227,518		
Bituminous.....			1,104,607		1,104,607	1,268,315		
Sub-bituminous.....	199				199	199		
Lignite.....	2,335				2,335	2,335		
Total.....	2,534		1,332,125		1,334,659	1,498,387		
November—								
Anthracite.....			215,426		215,426	215,439		
Bituminous.....	33		904,925		904,958	995,114		
Sub-bituminous.....	741				741	741		
Lignite.....	4,103				4,103	4,103		
Total.....	4,877		1,120,351		1,125,228	1,219,397		
December—								
Anthracite.....			183,856		183,856	186,687		
Bituminous.....			833,835		833,835	867,670		
Sub-bituminous.....	852				852	852		
Lignite.....	2,811				2,811	2,811		
Total.....	3,663		1,017,691		1,021,354	1,057,120		
Total—								
Anthracite.....			2,080,681		2,080,681	2,125,922		
Bituminous.....	110	38	10,492,151		10,492,253	11,955,691		
Sub-bituminous.....	5,729				5,729	5,729		
Lignite.....	25,843	32			25,811	25,811		
Total.....	31,712	70	12,572,832		12,604,474	14,113,153		

* Includes all coal shipped to any point in Ontario from western mines.

CHAPTER SEVEN

MANITOBA

Manitoba's coal supply is drawn from the United States and Canadian sources. In considering this supply it is desirable to include data regarding receipts of coal at Fort William and Port Arthur since the bulk of the coal dumped at these ports finds its way into Manitoba. Coal made available for consumption in this area during 1930 totalled 2,315,364 tons made up of 53,564 tons of anthracite, 1,575,451 tons of bituminous, 74,031 tons of sub-bituminous, and 612,318 tons of lignite. United States supplied the anthracite and 94·5 per cent of the bituminous; all the sub-bituminous, 5·5 per cent of the bituminous, and all the lignite came from the other Canadian provinces. Canadian coal cleared through Manitoba ports amounted to 2,402 tons. As a further item of value it may be observed that of the 1,463,438 tons of bituminous coal dumped at the head of the lakes in 1930, Canadian railroads used 584,362 tons.

Table 87.—Exports of Canadian Coal through Manitoba Ports, 1926-1930

(Short tons)

Port	1926	1927	1928	1929	1930
Brandon.....	73	73	126	100	57
Emerson.....	1,329	1,771	1,377	1,319	702
Gretna.....	2,370	2,372	1,537	1,204	693
Winnipeg.....	880	1,271	998	711	950
Total.....	4,652	5,487	4,088	3,334	2,402

Table 88.—Imports into Manitoba and the Head of the Lakes, of Anthracite and Bituminous Coal by Ports of Entry, 1929 and 1930

(Short tons)

Port	Source	1929					1930				
		Anthracite		Lignite	Bitum- inous all grades	Total	Anthracite		Bitum- inous all grades	Total	
		Egg. nut, etc.	Dust				Egg. nut, etc.	Dust			
MANITOBA—											
Brandon.....	U.S.	261	.....	.....	3,096	3,357	343	.....	.....	3,882	4,225
Emerson.....	U.S.	62	.....	.....	38	138	.....	.....	.....	88	88
Gretna.....	U.S.	506	.....	.....	298	804	131	.....	.....	175	306
Portage la Prairie.....	U.S.	49	.....	1,896	427	2,327	25	.....	.....	.....	25
Winnipeg.....	U.S.	5,793	2,479	.....	34,942	43,211	4,265	3,559	.....	20,753	29,577
Total for Manitoba.....	U.S.	6,701	2,479	1,896	38,801	49,877	4,761	3,559	.....	24,808	33,221
HEAD OF LAKES—											
Fort William.....	U.S.	52,369	.....	.....	1,591,656	1,644,025	45,241	.....	.....	1,207,939	1,343,180
Port Arthur.....	U.S.	352	.....	.....	143,889	144,241	.....	.....	.....	165,499	165,499
Total Head of Lakes.....	U.S.	52,721	.....	.....	1,735,545	1,788,266	45,241	.....	.....	1,463,438	1,508,679
Total for Manitoba and Head of Lakes.....	U.S.	59,422	2,479	1,896	1,774,346	1,838,143	50,005	3,559	.....	1,488,336	1,541,990

Table 89.—Summary Statistics for 1930-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			Coal available for consumption
	Received from other provinces	Exported	Imported from U.S.A.	
January—				
Anthracite.....				
Bituminous.....	7,425	117	1,381	1,381
Sub-bituminous.....	14,820		5,513	12,821
Lignite.....	101,937	305		14,820
Total.....	124,182	422	6,894	130,654
February—				
Anthracite.....				
Bituminous.....	5,332		1,111	1,111
Sub-bituminous.....	7,566		2,424	7,756
Lignite.....	56,686	131		7,508
Total.....	69,584	131	3,535	56,555
March—				
Anthracite.....				
Bituminous.....	5,079		437	437
Sub-bituminous.....	1,721		5,106	10,179
Lignite.....	48,309	263		1,721
Total.....	55,109	263	5,537	48,046
April—				
Anthracite.....				
Bituminous.....	2,502	40	310	310
Sub-bituminous.....	160		1,118	3,640
Lignite.....	15,627	34		160
Total.....	18,349	74	1,428	15,593
May—				
Anthracite.....				
Bituminous.....	1,294		415	415
Sub-bituminous.....	72		2,231	3,525
Lignite.....	13,580	35		72
Total.....	14,946	35	2,646	13,545
June—				
Anthracite.....				
Bituminous.....	1,040		409	409
Sub-bituminous.....	410		1,830	3,770
Lignite.....	13,913	33		410
Total.....	16,293	33	2,239	13,910
July—				
Anthracite.....				
Bituminous.....	4,003		448	448
Sub-bituminous.....	2,367		1,392	5,395
Lignite.....	13,074			2,367
Total.....	20,444			13,674
August—				
Anthracite.....				
Bituminous.....	5,254		100	100
Sub-bituminous.....	6,267		865	6,119
Lignite.....	20,816			6,267
Total.....	32,337		965	20,816
September—				
Anthracite.....				
Bituminous.....	8,345	1	1,077	1,077
Sub-bituminous.....	9,531		1,177	9,521
Lignite.....	54,704	77		9,531
Total.....	72,580	78	2,254	54,627

Table 89.—Summary Statistics for 1930—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.	Coal available for consumption
	Received from other provinces	Exported		
October—				
Anthracite.....			1,007	1,007
Bituminous.....	10,113	172	958	10,899
Sub-bituminous.....	13,421			13,421
Lignite.....	117,439	215		117,224
Total.....	140,973	387	1,965	142,551
November—				
Anthracite.....			925	925
Bituminous.....	14,223	63	1,255	15,415
Sub-bituminous.....	7,778			7,778
Lignite.....	84,186	160		84,026
Total.....	106,187	223	2,180	108,144
December—				
Anthracite.....			703	703
Bituminous.....	21,978	40	1,035	22,973
Sub-bituminous.....	9,918			9,918
Lignite.....	73,386	716		72,670
Total.....	105,282	756	1,738	106,284
Total—				
Anthracite.....			8,323	8,323
Bituminous.....	87,548	433	24,898	112,013
Sub-bituminous.....	74,031			74,031
Lignite.....	614,287	1,963		612,318
Total.....	775,866	2,402	33,221	806,685

CHAPTER EIGHT

SASKATCHEWAN

Production of coal from Saskatchewan mines in 1930 amounted to 579,424 tons; a slight decline from the 1929 record output of 580,189 tons. The mines in operation during the year produced 64 per cent of their possible output as compared with a production of 68 per cent in the previous year. Lack of orders was responsible for 35·6 per cent of the time lost; while the total time lost due to various causes represented an output loss of 324,259 tons.

Canadian coal dominates the Saskatchewan market as imports from the United States are only of minor importance. During 1930, 15·1 per cent of the coal used by Saskatchewan consumers came from local mines and 3·8 per cent from Alberta mines. The total quantity made available for consumption within the province amounted to 1,640,912 tons, consisting of 367 tons of anthracite, 129,588 tons of bituminous, 61,733 tons of sub-bituminous and 1,449,224 tons of lignite. In 1929 the total available supply was 1,868,942 tons.

Shipments from Saskatchewan mines included 247,750 tons distributed locally, 223,552 tons shipped to Manitoba, 40,567 tons sold for railroad use, and small quantities consigned to Alberta, Ontario, and the United States.

During January 723 wage-earners were on the mine payrolls; there was a sharp decline during the following five months, succeeded by a slight recovery in July. The upward trend in employment continued during August, September and October, but November and December witnessed a falling off in the number of men employed. Salaries and wages paid to the 579 employees in 1930 totalled \$546,029; in the previous year 592 employees received \$600,695. Wage-earners worked on an average 205 days during the year at an average daily rate of \$4.15.

"As regards the briquetting plant of Western Dominion Collieries, the past year has been one of re-organization and experimentation to overcome certain mechanical and chemical difficulties which cropped up during their first year of operation. These difficulties, or plant defects, were almost entirely confined to the briquetting operation. The Lurgi carbonizers were found to work satisfactorily and efficiently, but the carbonized coal when briquetted gave a briquette that was too weak to stand handling and resulted in the formation of a considerable quantity of fines and dust. New briquetting presses have been installed and a change in the chemical composition of the briquette binder made, which it is hoped will correct previous defects and enable the plant to operate to capacity during the 1931 season.

The Trux-Traer Coal Company commenced operations in August, 1930, and the period during the five months from August to December, 1930, accounted for twelve per cent of the total production for Saskatchewan for the year.

The stripping operations have proceeded smoothly and rapidly, and the huge shovel is well ahead of possible demands for coal. The coal seam itself in quality and uniformity has been even better than expected, and there can be no doubt but that the Trux-Traer will rapidly develop into the most important coal mining operation in the province."⁽¹⁾

(1) From a statement furnished by Thos. M. Molloy, Deputy Minister of Railways, Labour and Industries.

Table 90.—Output of Coal from Saskatchewan Mines, 1887-1930

Calendar year	Short tons	Value		Calendar year	Short tons	Value
						\$
1887.....	(a) 400	800		1910.....	181,156	293,929
1888.....				1911.....	206,779	347,248
1889.....				1912.....	225,342	308,135
1890.....	200	200		1913.....	212,897	358,192
1891.....				1914.....	232,299	374,245
1892.....	5,400	9,325		1915.....	210,107	365,246
1893.....	8,335	12,485		1916.....	281,300	441,836
1894.....	(b) 15,051	15,153		1917.....	355,445	602,451
1895.....	15,769	31,538		1918.....	346,847	722,148
1896.....	16,706	25,059		1919.....	379,377	810,390
1897.....	25,000	37,500		1920.....	335,222	707,828
1898.....	25,000	37,500		1921.....	335,632	823,180
1899.....	25,000	37,500		1922.....	382,437	802,053
1900.....	40,500	69,750		1923.....	418,100	858,448
1901.....	45,000	72,000		1924.....	479,118	886,668
1902.....	70,400	112,640		1925.....	471,965	870,875
1903.....	116,703	169,618		1926.....	439,803	819,805
1904.....	121,885	187,021		1927.....	470,216	808,867
1905.....	107,506	152,334		1928.....	471,713	831,491
1906.....	108,398	164,146		1929.....	580,189	903,226
1907.....	151,232	252,437		1930.....	579,424	908,863
1908.....	150,556	253,790		Total.....	8,889,584	16,202,233

(a) From Turtle Mountain district, Manitoba.

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

*For the years 1919-1930 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, 1926-1930
(Short tons)

Month	1926	1927	1928	1929	1930
January.....	49,328	54,330	56,525	69,117	78,063
February.....	43,235	49,632	50,608	60,542	60,186
March.....	40,504	34,728	39,760	41,753	47,140
April.....	22,930	22,882	28,732	32,813	25,550
May.....	13,385	18,153	16,579	30,208	20,744
June.....	16,591	16,658	15,445	27,707	20,993
July.....	14,030	15,123	17,380	28,741	20,264
August.....	14,256	18,130	21,977	27,617	21,517
September.....	27,628	27,959	31,531	47,448	42,690
October.....	47,867	49,878	67,769	65,108	91,030
November.....	80,537	89,361	70,088	73,274	81,955
December.....	69,494	73,372	55,219	75,860	79,292
Total.....	439,863	470,216	471,713	580,189	579,424

Table 92.—Output of Coal by Principal Collieries in Saskatchewan for 1928-1930
(Average of 500 tons or more per month)
(Short tons)

Name	Address	1928	1929	1930
Bienfait Mine.....	Bienfait.....	77,110	74,884	85,357
Bourguin, Louis.....	Box 287, Estevan.....	6,420	6,240	3,535
Crescent Colliers, Ltd.....	Bienfait.....	43,307	53,284	63,318
Eastern Collieries of Bienfait, Ltd.....	Estevan.....	35,485	30,855	41,016
Gill, William (formerly W. H. Rollinson).....	Box 65, Estevan.....	6,202	2,653	2,864
International Clay Products, Ltd.....	Estevan.....	11,928	11,820	6,444
Manitoba and Saskatchewan Coal Co., Ltd.....	503 Avenue Block, Winnipeg, Man.....	101,657	96,282	96,790
National Mines, Ltd. (formerly Bienfait Commercial Co.).....	Bienfait.....	5,442	17,644	19,136
Nicholson H.....	Estevan.....	759	7,018	4,664
Shand Coal and Brick Co.....	Shand.....	22,337	26,163	23,575
Trux Traer Coal Co., Ltd. (formerly Big Lump Coal Co.).....	Estevan.....	31,245	26,823	77,188
Western Dominion Collieries, Ltd.....	305 Trust and Loan Bldg., Winnipeg, Man.	97,336	182,139	119,847
All other operators.....		32,487	35,384	35,690
Total.....		471,713	580,189	579,424

Table 93.—Tonnage Lost in Saskatchewan Coal Mines, Showing the Relative Percentage Produced and Lost, with an Analysis of the Percentages Lost, 1929 and 1930

Year	Per cent produced	Per cent lost	Percentage lost through					
			Absenteeism	Lack of orders	Car shortage	Mine disability		
						\$	Quantity	Value
1929.....	68	32	0·0	31·0	0·0	0·0	0·0	1·0
1930.....	64	36	0·0	35·6	0·0	0·0	0·0	0·4

Table 94.—Disposition of Coal from Saskatchewan Mines by Grades, 1929 and 1930
(Short tons)

Disposition	1929						1930					
	Run-of-mine	Lump	Slack	Total		Run-of-mine	Lump	Slack	Total		Run-of-mine	Lump
				Quantity	Value				Quantity	Value		
Supplied to employees for domestic consumption.....	1,867	1,900	12	3,779	6,895	1,506	1,693	53	3,352	5,838		
Shipped as per Table 95.....	263,214	91,534	104,554	459,302	846,060	231,507	148,810	134,683	515,010	897,912		
Used under colliery boilers, etc.....	7,380		24,740	32,100	31,294	971			32,053	33,924	29,077	
Used in making briquettes.....	79,455			79,455	94,473	22,911				22,911	29,781	
Used by companies' railroads.....	4,800			4,866	7,393	3,911				3,911	5,950	
Put on bank.....	1,425	535	645	2,605	3,909	504	622	1,136	2,262	3,218		
Put on waste heap.....				614					993			
Total disposition.....	358,187	93,969	129,851	582,721	997,024	261,310	151,125	167,935	581,363	971,776		
Lifted from bank.....	1,288	444	800	2,532	3,788	509	686	744	1,939	2,913		
Total output.....	356,899	93,525	129,151	580,180	993,226	260,801	150,439	167,191	579,424	968,863		

Table 95.—Shipments of Coal from Saskatchewan Mines, by Grades and Destination, 1929 and 1930

(Short tons)

Destination	1929				1930			
	Run-of-mine	Lump	Slack	Total	Run-of-mine	Lump	Slack	Total
Saskatchewan.....	113,256	55,750	21,886	190,892	99,744	98,315	49,701	247,750
Alberta.....	785	144	—	929	1,269	197	69	1,535
British Columbia.....	113,335	35,138	81,938	230,412	98,924	49,875	74,753	223,552
Ontario.....	484	33	—	517	508	—	880	1,388
United States.....	35,351	431	729	36,514	31,062	218	218	31,567
Railroads.....	—	—	—	—	305	—	9,200	—
Total.....	263,214	91,534	104,554	459,302	231,587	148,810	134,693	515,010

Table 96.—Exports of Canadian Coal through Saskatchewan Ports, 1926-1930

(Short tons)

Port	1926	1927	1928	1929	1930
Moose Jaw.....	—	19	55	38	87
North Portal.....	3,272	4,430	6,365	7,495	5,658
Regina.....	2,824	1,837	1,386	694	330
Total.....	6,096	6,293	7,806	8,227	6,075

Table 97.—Imports into Saskatchewan of Anthracite, Bituminous and Lignite Coal by Ports of Entry, 1929 and 1930

(Short tons)

Port	Source	1929					1930				
		Anthracite		Lignite	Bitum- inous, all grades	Total	Anthracite		Lignite	Bitum- inous, all grades	Total
		Egg, nut, etc.	Dust				Egg, nut, etc.	Dust			
Moose Jaw.....	U.S.....	330	—	—	603	993	367	—	736	436	1,539
North Portal.....	U.S.....	35	—	41	553	629	—	—	—	421	421
Prince Albert.....	U.S.....	—	—	—	130	130	—	—	—	107	107
Regina.....	U.S.....	—	—	—	614	614	—	—	—	358	358
Saskatoon.....	U.S.....	—	—	—	517	517	—	—	—	494	494
Total.....	U.S....	365	—	41	2,477	2,883	367	—	736	1,816	3,919

Table 98.—Summary Statistics for 1930—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		17,671					17,671
Bituminous		11,841					11,841
Sub-bituminous							225,005
Lignite	78,063	178,932	31,312	678			
Total	78,063	208,444	31,312	678			254,517
February—							
Anthracite					47		47
Bituminous		10,593		10			10,583
Sub-bituminous		3,771					3,771
Lignite	50,186	78,601	19,982	742			108,083
Total	50,186	92,965	19,982	752	47		122,484
March—							
Bituminous		9,985			245		10,230
Sub-bituminous		889					889
Lignite	47,140	66,713	20,940	101			92,812
Total	47,140	77,587	20,940	101	245		103,931
April—							
Bituminous		5,291		4	356		5,043
Sub-bituminous		242					242
Lignite	25,550	23,239	9,847	137			38,805
Total	25,550	28,772	9,847	141	356		44,690
May—							
Bituminous		7,617			310		7,927
Sub-bituminous		398					398
Lignite	20,744	34,682	8,397	65			46,964
Total	20,744	42,697	8,397	65	310		55,280
June—							
Bituminous		6,954		2	230		7,182
Sub-bituminous		1,726					1,726
Lignite	20,993	32,637	9,034	55			44,541
Total	20,993	41,317	9,034	57	230		53,449
July—							
Anthracite					45		45
Bituminous		5,095				322	5,417
Sub-bituminous		3,600					3,600
Lignite	20,264	28,214	8,297	87		634	40,718
Total	20,264	36,909	8,297	97	1,001		49,780
August—							
Bituminous		7,851			165		8,016
Sub-bituminous		6,379					6,379
Lignite	21,517	65,455	8,997	323			77,652
Total	21,517	79,685	8,997	323	165		92,047
September—							
Anthracite							
Bituminous		14,052			103		14,155
Sub-bituminous		9,634					9,634
Lignite	42,690	127,308	17,296	837			151,865
Total	42,690	150,994	17,296	837	103		175,654
October—							
Anthracite						240	240
Bituminous		15,266				85	15,351
Sub-bituminous		12,796					12,796
Lignite	91,030	238,033	34,957	1,108			202,998
Total	91,030	266,095	34,957	1,108	325		321,385

Table 98.—Summary Statistics for 1930-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					35		35
Bituminous		12,686					12,686
Sub-bituminous		5,001					5,001
Lignite	81,955	134,680	28,118	1,198	71		187,300
Total	81,955	152,367	28,118	1,198	106		205,112
December—							
Anthracite							
Bituminous		14,727					14,727
Sub-bituminous		5,456					5,456
Lignite	70,292	93,104	29,318	718	31		142,391
Total	70,292	113,287	29,318	718	31		162,574
Total—							
Anthracite					367		367
Bituminous		127,788		16	1,816		128,588
Sub-bituminous		61,733					61,733
Lignite	579,424	1,101,598	226,475	6,059	736		1,149,224
Total	579,424	1,291,119	226,475	6,075	2,919		1,640,912

Table 99.—Employees, Salaries and Wages in the Coal Mines of Saskatchewan, 1929 and 1930

		1929	1930
Number of Salaried employees—			
Male		29	45
Female		2	5
Number of Wage-earners—			
Surface		127	140
Underground		434	389
Total		552	529
Salaries and wages—			
Salaries	\$ 70,304	\$ 96,360	
Wages	\$ 530,391	\$ 449,669	
Total	\$ 600,695	\$ 546,029	

Table 100.—Employment and Earnings in the Coal Mines of Saskatchewan, 1926-1930

	1926	1927	1928	1929	1930
Average number of wage-earners—					
Surface	107	113	111	127	140
Underground	363	396	398	431	389
Total	470	509	509	561	529
Days' work done—					
Surface	24,659	25,833	22,186	28,893	26,145
Underground	76,017	83,169	78,122	97,151	79,157
Total	100,676	109,002	100,308	126,044	105,302
Average number of days worked per man per year—					
Surface	230	228	199	227	208
Underground	209	210	196	224	203
By all wage-earners	214	214	199	225	205
Total wages paid	\$455,256	\$482,022	\$473,520	\$530,391	\$449,669
Average wage earned per man per day	\$4.52	\$4.42	\$4.72	\$4.21	\$4.15

Table 101.—Wage-Earners Employed, and Work Done by Months in Saskatchewan Coal Mines in 1930

Month	Number of wage-earners			Days' work done		
	Surface	Under-ground	Total	Surface	Under-ground	Total
January	139	584	723	3,303	12,358	15,661
February	133	498	631	2,275	7,521	9,796
March	117	404	521	2,204	6,697	8,901
April	95	269	364	1,348	3,488	4,386
May	91	247	338	1,196	2,797	3,993
June	98	214	312	1,378	2,798	4,176
July	102	227	329	1,359	3,057	4,416
August	150	232	382	1,461	2,814	4,275
September	188	377	545	2,886	6,155	9,041
October	217	560	777	4,857	12,357	17,214
November	105	545	740	3,600	9,801	13,401
December	182	521	703	3,278	9,314	12,592
Total				29,145	78,157	108,302

Table 102.—Wage-Earners in Saskatchewan Coal Mines, by Classes, 1929 and 1930

Classification	1929			1930		
	Surface	Under-ground	Total	Surface	Under-ground	Total
SURFACE—						
Administration	9	1	10	9	1	10
Foremen and clerks	16	2	18	17	2	19
Screenmen and loaders	35	—	35	37	—	37
Stripping shovel	—	—	—	3	—	3
UNDERGROUND—						
Officials	—	11	11	—	7	7
Hand cutters and helpers	253	233	486	224	224	448
Machine cutters	18	18	36	21	21	42
Machine loaders and helpers	46	46	92	42	42	84
Horse haulage employees	7	54	61	6	40	46
Mechanical haulage employees	1	10	11	3	13	16
Ventilation employees	—	1	1	—	1	1
Roadmakers	16	16	32	4	15	19
Timbermen	7	7	14	8	8	16
Pumpmen	8	8	16	7	7	14
Londing shovel	—	—	—	1	—	1
MISCELLANEOUS—						
Enginemen	10	—	10	—	—	10
Firemen	14	—	14	14	—	14
Maclinists	3	—	3	2	—	2
Carpenters and masons	7	—	7	8	—	8
Other mechanics	4	2	6	4	2	6
All other employees	21	5	26	22	6	28
Total	127	434	561	140	289	529

Table 103.—Capital Employed in the Coal Mines of Saskatchewan, 1929 and 1930

	1929	1930
	\$	\$
Capital employed as represented by—		
Cost of lands, buildings, machinery and tools	3,749,525	4,113,672
Cost of supplies and stock on hand	83,336	120,979
Cash, trading and operating accounts and bills receivable	163,851	123,199
Total	3,996,718	4,357,850

CHAPTER NINE

ALBERTA

Alberta mines produced 5,755,528 tons of coal during 1930, a 19.5 per cent decline from the 1929 output of 7,150,693 tons. Lignite coal production recorded a decrease of 15.2 per cent from the previous year's output. Bituminous coal mined reached a total of 2,278,467 tons or 26.4 per cent below the 1929 output. Sub-bituminous output showed a falling off of 9.8 per cent to a total of 603,358 tons.

Six of the principal coal producing districts accounted for 82.9 per cent of Alberta's coal output, in order of production these were:—Drumheller, Crowsnest, Mountain Park, Lethbridge, Coalspur, and Edmonton. Crowsnest and Mountain Park coals are classed as bituminous; Coalspur as sub-bituminous; and Drumheller, Edmonton and Lethbridge coals as lignite.

Alberta mines in operation during the year produced 66 per cent of their possible output as compared with 74 per cent in 1929. It is estimated that in 1930 these mines suffered an output loss of 2,944,450 tons due to causes other than strikes and lockouts. Records show only three labour disputes during the year. Loss in working time due to this cause was 2,160 man-days and as the average output per man in Alberta was 3.245 tons, the computed production loss was 7,009 tons.

Alberta's coal supply was 3,768,178 tons or 22.4 per cent below the 1929 total of 4,852,776 tons. Bituminous coal made available for use within the province totalled 2,134,461 tons; lignite, 1,223,680; and sub-bituminous, 410,037 tons. Shipments of Alberta coal to other provinces included 1,225,274 tons to Saskatchewan, 540,895 tons to Manitoba, 226,941 tons to British Columbia, and minor tonnages to Ontario and Quebec. Railroads purchased 2,119,708 tons of Alberta coal during the year; these purchases consisted of 1,838,001 tons of bituminous coal and 281,707 tons of sub-bituminous coal.

The year opened with 11,060 wage-earners employed in or about the Alberta coal mines; the succeeding four months recorded a falling off in the number employed. A slight recovery was noted in June and a steady growth in employment was observed during the following months until November when the maximum for the year of 11,339 men was reached. The average for the year was 8,849 as compared with 9,534 in 1929. Salaries and wages paid in 1930 totalled \$11,475,775, a 21.4 per cent decline from the 1929 total of \$14,605,197. Mine employees on the average worked 200 days in 1930 and their average daily wage was \$5.68. In 1929, employees averaged 232 days and received on an average \$5.94 per day.

Table 104.—Output of Coal from Alberta Mines, 1886-1930

Calendar year	Short tons	Value	Calendar year	Short tons	Value
1886	43,220	\$ 81,112	1909	1,994,741	\$ 4,838,109
1887	74,152	157,577	1910	2,891,469	7,065,736
1888	115,124	183,354	1911	1,511,036	3,979,264
1889	97,304	179,646	1912	3,249,577	8,113,525
1890	128,753	198,298	1913	4,014,755	10,418,941
1891	174,131	437,245	1914	3,683,013	9,350,392
1892	178,970	460,605	1915	3,369,818	8,283,079
1893	230,070	586,260	1916	4,559,054	11,386,577
1894	184,940	473,827	1917	4,736,368	11,153,985
1895	189,885	382,526	1918	5,972,816	23,537,287
1896	209,162	581,832	1919	4,933,660	18,205,205
1897	242,163	630,498	1920	6,907,763	30,189,933
1898	315,088	787,727	1921	5,999,217	27,210,514
1899	309,600	774,000	1922	5,993,911	24,351,913
1900	311,450	778,623	1923	6,851,397	28,018,303
1901	340,275	850,087	1924	5,189,729	18,884,318
1902	402,819	963,644	1925	5,863,031	23,021,484
1903	495,893	1,117,541	1926	6,503,705	24,886,103
1904	661,732	1,404,521	1927	6,934,162	24,982,058
1905	931,917	1,993,915	1928	7,336,330	23,532,414
1906	1,246,360	2,614,762	1929	7,150,693	22,928,182
1907	1,591,579	3,836,286	1930	5,755,528	18,063,225
1908	1,085,861	4,127,311	Total	121,443,985	398,031,901

*For the years 1919-1930 the tonnage shown is the total output from all mines; for previous years the figures given include only sales, colliery consumption and coal used by the operators.

Table 105.—Output of Coal from Alberta Mines, by Months, 1926-1930

(Short tons)

Month	1926	1927	1928	1929	1930
January	571,555	697,240	917,625	705,142	791,019
February	497,154	621,845	635,005	768,832	448,488
March	428,317	486,154	618,116	571,968	400,008
April	405,839	464,732	450,696	567,603	270,679
May	391,177	459,626	356,688	523,766	300,745
June	423,100	461,019	438,472	494,375	355,055
July	469,623	418,607	514,405	482,380	322,281
August	462,881	485,420	618,806	481,966	399,708
September	490,407	514,045	546,270	550,492	559,071
October	661,152	610,998	736,586	666,039	776,172
November	782,595	793,882	782,466	655,554	589,131
December	913,905	909,994	723,083	682,576	543,081
Total	6,503,705	6,934,162	7,336,339	7,150,693	5,755,528

Table 106.—Output of Coal by Districts in Alberta, 1928-1930

(Short tons)

District	1928	1929	1930
BITUMINOUS—			
Brûlé	75,203		
Cascade	283,580	209,432	212,953
Crowsnest	1,630,358	1,553,716	1,133,891
Mountain Park	975,583	903,414	726,777
Nordegg	241,764	247,585	204,846
Total bituminous	3,215,494	3,094,147	2,278,467
SUB-BITUMINOUS—			
Coalspur	645,353	566,477	515,306
Morley	2,199	4,495	4,240
Pekisko	3,218	1,871	2,320
Pineher		6,771	15,425
Prairie Creek	89,726	89,088	66,067
Saunders			
Total sub-bituminous	740,496	668,702	603,358
LIGNITE—			
Ardley	6,763	3,297	2,994
Big Valley	9,298	4,584	4,473
Brooks	5,668	6,635	7,084
Camrose	44,159	41,125	35,445
Carbon	110,293	111,312	91,018
Castor	33,635	31,203	24,662
Champion	8,789	10,650	12,511
Drumheller	1,489,452	1,576,301	1,432,873
Edmonton	452,883	477,605	417,262
Gleichen	3,294	2,847	3,057
Halcourt	638	522	418
Lethbridge	795,796	731,205	545,265
Magrath	598	912	971
Milk River	1,087	868	1,362
Pakowki	1,916	1,746	2,101
Pembina	158,980	162,333	110,973
Redcliff	25,696	27,256	25,181
Rochester			140
Sexsmith			
Sherrills	22,064	20,218	21,083
Slave Lake	531		
Steveville			
Taber	58,923	22,139	12,293
Tofield	149,011	155,079	111,932
Wainwright	147	18	105
Wetaskiwin	119		
Total lignite	3,380,340	3,387,844	2,873,703
Total Alberta	7,336,339	7,150,693	5,755,528

Table 107.—Output of Coal by Principal Collieries in Alberta, 1928-1930
(Average of 500 tons or more per month)

(Short tons)

Name and address	1928	1929	1930
Bituminous			
BRÛLÉ DISTRICT— Blue Diamond Coal Co., Ltd., Brûlé Mines.....	75,203		
Total.....	75,203		
CASCADE DISTRICT—			
Canmore Coal Co., Ltd., Canmore.....	283,281	298,724	212,053
All other operators.....	305	708	900
Total.....	283,586	299,432	212,953
CROWSNEST DISTRICT—			
Cartwright & Thomason (formerly Sunburst Coal Co.), Blairmore.....	2,911	6,276	1,930
Hillcrest Collieries, Ltd., Hillcrest.....	270,839	241,028	211,724
International Coal and Coke Co., Ltd., Coleman.....	328,410	293,288	205,157
McGillivray Creek Coal and Coke Co., Ltd., Coleman.....	316,543	297,957	228,976
Mohawk Bituminous Mines, Ltd., Calgary.....	34,519	84,325	61,462
West Canadian Collieries, Ltd., Blairmore.....	682,662	625,448	419,164
All other operators.....	3,474	4,794	5,078
Total.....	1,639,358	1,553,716	1,133,891
MOUNTAIN PARK DISTRICT—			
Cadomin Coal Co., Ltd., Cadomin.....	542,587	498,885	401,553
Lucas Collieries, Ltd., Edmonton.....	245,364	291,919	169,083
Mountain Park Collieries, Ltd., 410 Tegler Bldg., Edmonton.....	187,632	202,610	156,141
Total.....	975,583	993,414	726,777
NORDEGG DISTRICT—			
Brazeau Collieries Ltd., Nordegg.....	241,764	247,585	204,846
Total.....	241,764	247,585	204,846
Total bituminous.....	3,215,494	3,094,147	2,278,467
Sub-Bituminous			
COALSPUR DISTRICT—			
Bryan Coal Co., Ltd., Adams Bldg., Edmonton.....	30,043	31,507	21,517
Coalspur Collieries, Ltd., Coalspur.....	16,234		
Coal Valley Mining Co., Ltd., Coal Valley.....	212,282	177,638	170,414
Confederation Coal Co., Ltd., Lovell.....	4,176	1,404	
Foothills Collieries, Ltd., Foothills.....	81,546	83,226	69,048
Lakeside Coal Ltd., Edmonton.....	39,981	40,251	39,469
McLeod River Collieries (formerly Saunders Ridge Coal Co., Ltd.), Mercoal.....	78,601	79,642	65,193
Sterling Collieries Ltd., Edmonton.....	182,400	142,126	133,733
Superba Coal Co., Ltd., Lovett.....		10,683	13,716
Val D'Or Collieries Ltd., Reco.....			2,217
Total.....	645,353	566,477	515,306
MORLEY DISTRICT.			
PEKIBEO DISTRICT.			
PINCHER DISTRICT.			
RAIRIE CREEK DISTRICT—			
Jasper Coal Co., Ltd., Edmonton.....		5,981	14,915
All other operators.....		750	510
Total.....		6,771	15,425
SAUNDERS DISTRICT—			
Alexo Coal Co., Ltd., Alexo.....	45,667	45,846	30,441
Bighorn and Saunders Creek Collieries, Ltd., Saunders.....	44,059	43,242	35,626
Total.....	89,726	89,088	66,067
Total sub-bituminous.....	740,496	668,702	603,358
Lignite			
ARDLEY DISTRICT.			
BIG VALLEY DISTRICT—			
Watson & Ross (formerly Big Valley Power and Mining Co., Ltd.), Big Valley.....	7,452	2,430	2,517
All other operators.....	1,846	2,134	1,950
Total.....	9,298	4,564	4,473

Table 107.—Output of Coal by Principal Collieries in Alberta, 1928-1930
(Average of 500 tons or more per month)—Continued

(Short tons)

Name and address	1928	1929	1930
Lignite—Continued			
BROOKS DISTRICT—			
Kleenburn Collieries Ltd., Eyremore.....	5,668	6,635	7,984
Total.....	5,668	6,635	7,984
CAMROSE DISTRICT—			
Canadian Dinant Coal Co., Dinant.....	32,027	28,620	25,632
Stoney Creek Collieries, Ltd., Camrose.....	7,755	9,719	7,450
All other operators.....	4,377	2,786	2,363
Total.....	44,159	41,125	35,445
CARBON DISTRICT—			
Ellis Coal Co., Ltd., Three Hills.....	24,087	15,844	10,309
Fox Coal Co., Carbon.....	8,196	2,978	335
Oliphant, J. H., Carbon.....	8,351	11,177	6,354
Palisade Coal Co., Ltd. (formerly Palisade Collieries, Ltd., Three Hills).....	6,884	7,760	8,428
Peerless Carbon Collieries, Ltd., Carbon.....	51,037	63,315	51,809
All other operators.....	11,738	10,238	13,783
Total.....	110,293	111,312	91,018
CASTOR DISTRICT.....	33,635	31,203	24,662
CHAMPION DISTRICT.....	8,789	10,659	12,511
DRUMHELLER DISTRICT—			
Aetna Coal Co., Ltd., Drumheller.....	62	1,900	17,053
Alberta Block Coal Co., Ltd., Drumheller.....	83,370	37,323	49,371
Atlas Coal Co., Ltd., East Coulee.....	83,287	104,226	120,113
Caledonian Collieries, Ltd., Drumheller.....	25,735		
Drumheller Consolidated Collieries Ltd., Calgary.....		26,129	23,381
Elgin Coal Co., Ltd., Drumheller.....	110,560	62,155	28,200
Empire Collieries Ltd. (formerly Albion Coal Co., Ltd.), East Coulee.....		8,511	40,993
Excelsior Collieries, Ltd., Wayne.....	41,326	20,571	17,277
Great West Coal Co., Ltd. (Star Mine), Aerial.....	88,139	71,414	47,239
Hy-Grade Coal Co., Drumheller.....	122,215	118,331	77,255
Ideal Coal Co., Ltd., Wayne.....	50,626	69,956	63,453
Jewel Collieries, Ltd., Wayne.....	45,818	77,828	91,031
Maple Leaf Minerals Ltd., Drumheller.....		8,279	27,273
Midland Coal Mining Co., Ltd., Midlandvale.....	187,192	205,795	157,852
Middleton Collieries, Ltd. (formerly Arcadia Coal Co., Ltd.), Calgary.....	1,391	9,069	9,736
Minute Mine, Drumheller.....	5,391	4,014	3,945
Murray Collieries, Ltd., Drumheller.....	5,517	52,095	75,573
Newcastle Coal Co., Ltd., Drumheller.....	82,198	102,400	83,958
Newcastle Junior Mining Co., Ltd., Drumheller.....	85,996	58,947	11,313
Rosedale Coal Co., Ltd., Rosedale.....	121,502	151,410	133,559
Rose Deer Coal Mining Co., Ltd., Wayne.....	49,905	81,555	82,910
Sovereign Coal Mining Co., Ltd., Wayne.....	23,036	31,624	40,250
Superior Grade Coal Co., Ltd., Wayne.....	23,128	11,157	12,425
Thomas, J. D. Coal Co., Nacmine.....	126,866	123,350	90,395
Triangle Coal Co. (formerly Leech & Milne), Drumheller.....	605	2,996	6,895
Western Gem Coal Co., Ltd., Drumheller.....	119,516	129,163	117,211
All other operators.....	4,071	5,103	4,212
Total.....	1,489,452	1,576,301	1,432,873
EDMONTON DISTRICT—			
Bush Mines, Ltd. (formerly Beverly Coal Co.), Edmonton.....	13,942	12,643	23,622
Cardiff Coal Co., Cardiff.....	17,518	5,049	
Dawson Coal Co., Ltd., 7 McDougall Court, Edmonton.....	21,583	19,774	18,490
Fraser-Mackay Collieries, Ltd., 10055 101st., Edmonton.....	60,810	57,895	60,883
Gibb, W. E. (formerly Rabbit Hill Collieries, Ltd.), Strathcona.....	3,208	10,777	13,185
Great West Coal Co., Ltd. (Black Diamond Mine), Edmonton.....	93,036	99,137	85,974
Keith and Fulton Coal Co., Edmonton.....	4,794	4,422	3,135
Marcus Coal Mines, Ltd., Edmonton.....	44,999	57,571	57,206
Ottewell Coal Co., Clover Bar.....	13,265	17,008	16,131
Penn. Mines Ltd. (Mine 147), Edmonton.....	114,197	119,670	28,636
Penn. Mines Ltd. (Mine 632), Edmonton.....	7,296	8,200	25,188
Penn. Coal Ltd. (formerly Sturgeon Valley Collieries Ltd.), Edmonton.....	15,410	20,603	43,610
Premier Coal Co., Ltd., Edmonton.....	10,931	11,862	10,465
Parker, L. (formerly Sun Coal Co., Ltd.), Cardiff.....	12,676	6,284	4,610
Sinoski, M., Strathcona.....	4,565	6,137	5,802
All other operators.....	13,653	20,573	22,325
Total.....	452,883	477,605	417,262

Table 107.—Output of Coal by Principal Collieries in Alberta, 1928-1930
 (Average of 500 tons or more per month)—Continued

(Short tons)

Name and address	1928	1929	1930
Lignite—Concluded			
GLEICHEN DISTRICT.....	3,294	2,847	3,037
HALCOURT DISTRICT.....	638	522	418
LETHBRIDGE DISTRICT—			
Canadian Pacific Railway Co., Dept. of Natural Resources, Calgary.....	378,501	369,344	264,295
City of Lethbridge Coal Mines, Lethbridge.....	10,669	12,078	12,546
Consolidated Diamond Collieries, Ltd., Diamond City.....	42,765	4,650	179
Cadillac Coal Co., Ltd. (formerly Donaldson, C. S., Coal Co.), Lethbridge.....	28,113	46,595	72,560
Coal Producers Ltd. (formerly North American Collieries, Ltd.), Calgary.....	321,822	285,050	182,930
Royal Lethbridge Collieries, Lethbridge.....	5,317	4,533	5,848
All other operators.....	8,609	8,049	6,907
Total.....	795,796	731,205	545,265
MAGRATH DISTRICT.....	598	912	971
MILK RIVER DISTRICT.....	1,087	868	1,362
PAKOWKI DISTRICT.....	1,916	1,746	2,101
PEMBINA DISTRICT—			
Lakeside Coals Ltd., Edmonton.....	36,430	46,679	35,722
Coal Producers Ltd. (formerly North American Collieries, Ltd.), Calgary.....	122,422	115,546	84,146
All other operators.....	128	108	105
Total.....	158,980	162,333	119,973
REDCLIFF DISTRICT—			
Oiphant, John (formerly Ajax Coal Co., Ltd.), Medicine Hat.....	9,241	13,620	9,821
Redcliff Brick and Coal Co., Ltd., Redcliff.....	16,455	13,636	15,360
Total.....	25,696	27,256	25,181
ROCHESTER DISTRICT.....			140
SEXSMITH DISTRICT.....			
SHEERNESS DISTRICT—			
Anderson, W. J., Sheerness.....	2,521	2,570	6,045
Warneboldt, Julius, Sheerness.....	5,953	4,895	4,051
All other operators.....	14,190	12,933	11,587
Total.....	22,664	20,218	21,683
SLAVE LAKE.....	531		
STEVENVILLE DISTRICT.....			
TABER DISTRICT—			
Bow River Syndicate (Lethbridge-Canadian Collieries Ltd.), Grassy Lake.....	2,139		1,590
Leblanc, Emile, Taber.....	50,091	11,794	
Majestic Mines, Ltd. (formerly Leland Coal Co., Ltd.), Taber.....	640	777	3,119
Oliver, E., Taber.....	6,053	9,508	7,584
All other operators.....			
Total.....	58,923	22,139	12,293
TOFIELD DISTRICT—			
Eastern Alberta Coal Mines Ltd. (formerly Chappell Coal Co., Ltd.), Edmonton.....	12,095	2,844	
Dobell Coal Co., Ltd., Tofield (Mine 340 consolidated with Tofield Coal Co.'s mine, Jan. 31, 1930).....	23,308	10,173	603
Tofield Coal Co., Ltd., Tofield.....	109,472	138,799	107,684
All other operators.....	4,136	3,203	3,645
Total.....	149,011	155,079	111,932

Table 107.—Output of Coal by Principal Collieries in Alberta, 1928-1930
 (Average of 500 tons or more per month)—Concluded

(Short tons)

Name and address	1928	1929	1930
Lignite—Concluded			
WAINWRIGHT DISTRICT.....		147	18
WETASKIWIN DISTRICT.....		119	
WHITECOURT DISTRICT.....			
Total lignite.....	3,380,340	3,387,844	2,873,703
Total Alberta.....	7,336,330	7,150,693	5,755,528

Table 108.—Tonnage Lost in Alberta Coal Mines, Showing by Districts the Relative Percentage Produced and Lost, with an Analysis of the Percentage Lost, 1929 and 1930

District	Per cent produced		Per cent lost		Percentage lost through									
	1929	1930	1929	1930	Absenteeism		Lack of orders		Car shortage		Mine disability		Other causes	
					1929	1930	1929	1930	1929	1930	1929	1930	1929	1930
BITUMINOUS—														
Brûlé.....	80	67	20	33	4·3	3·0	15·6	30·0						0·1
Cascade.....														
Clearwater.....	75	63	25	37	0·4	0·0	20·5	37·0	3·8		0·1			0·2
Crowsnest.....														
Highwood.....														
Mountain Park.....	89	77	11	23	0·8	0·2	4·3	18·9	5·0	2·7	0·2	0·7	0·7	0·5
Nordegg.....	69	64	31	36			31·0	30·0						
Old Man.....														
Panther.....														
Smoky River.....														
Total bituminous.....	79	67	21	33	0·9	0·4	16·3	31·5	3·4	0·8	0·1	0·2	0·3	0·1
SUB-BITUMINOUS—														
Coalspur.....	78	78	22	22	0·1	0·1	12·7	18·6	1·4	0·4	4·4	2·1	3·4	0·8
Morley.....														
Pokisko.....	64	70	36	30					21·0		3·8	2·0	32·2	7·0
Pincher.....	50	59	50	41			43·0	39·4					7·0	1·6
Prairie Creek.....	66	66	34	34			0·8	24·6			0·6	6·5	32·6	0·9
Saunders.....	77	57	23	43			20·9	42·5			0·7		1·4	0·5
Total sub-bituminous.....	77	74	23	26		0·2	13·8	22·5	1·3	0·4	4·1	2·0	3·8	0·9
LIGNITE—														
Ardley.....	61	55	30	45			10·8	26·7					28·2	18·3
Big Valley.....	53	61	47	39			31·7	28·2				1·5	15·3	9·3
Brooks.....	98	82	2	18					14·3				2·0	3·7
Canton.....	60	53	40	47			35·9	44·5		0·2			4·1	2·3
Carbon.....	63	54	37	46			30·0	44·0			1·0	0·2	6·0	1·8
Castor.....	64	59	36	41	0·8	0·5	15·1	30·5					20·1	10·0
Champion.....	68	69	32	31			5·4	22·3					26·6	8·7
Drumheller.....	70	61	30	39	0·1		26·6	37·6			0·5	0·2	2·8	1·2
Edmonton.....	76	72	24	28	1·2	1·0	19·6	25·3			0·4	0·2	2·6	1·5
Empress.....														
Gleichen.....	84	76	16	24			8·5	23·2					7·5	0·8
Hulcourt.....	56	46	44	54					47·8				44·0	6·2
Lethbridge.....	67	66	33	34	0·8	0·7	30·3	33·0	0·1		0·2		1·6	0·3
Magrath.....	79	72	21	28					21·1				21·0	0·9
Milk River.....	65	57	35	43			17·9	35·5					17·1	7·5
Pakowki.....	55	53	45	47			1·8	32·8					43·2	14·2
Pembina.....	74	70	26	30	0·9		22·0	30·0	1·0		0·4		1·7	
Redcliff.....	63	63	37	37			34·4	35·0			2·0	2·6		
Rochester.....														
Sexsmith.....														
Shoerness.....	58	60	42	40	0·5	4·7	29·0	28·3	0·1		0·4	3·0	11·1	3·1
Slave Lake.....														
Steville.....														
Taber.....	56	62	44	38			9·6	33·6			23·7	0·2	10·7	4·2
Tofteld.....	78	81	22	19			16·6	14·0					5·4	5·0
Wainwright.....	30	33	70	67					67		32·5		37·5	
Wetaskiwin.....														
Whitecourt.....														
Total lignite.....	70	64	30	36	0·3	0·3	25·9	34·1	0·1		0·6	0·1	3·1	1·5
Total Alberta.....	74	66	26	34	0·6	0·2	21·0	32·2	1·6	0·3	0·7	0·3	2·1	1·0

Table 109.—Total Disposition of Coal from Alberta Mines by Grades, 1929 and 1930

(Short tons)

	1929		1930				1929	
	Total		Run-of-mine	Lump	Nut and other grades	Slack	Total	
	Quantity	Value					Quantity	Value
Supplied to employees for domestic consumption		\$						\$
Coal shipped as per Table 113	45,490	134,506	14,734	21,100	4,417	9	10,326	120,997
Used under colliery boilers.	6,713,906	22,187,130	2,471,782	1,744,185	618,725	544,429	5,379,121	17,109,626
Used by companies' railroads	241,139	466,662	107,524	3,610	6,487	102,768	229,389	639,161
Used in making coke at colliery	7,595	17,912	6,809	6	907		7,722	17,956
Used in making briquettes	26,180	96,166				22,272	22,272	83,522
Put on bank	61,183	195,363	18,320	11,114	6,327	5,415	41,576	137,870
Put on waste heap	110,179						97,417	
Total disposition	7,288,672	23,098,069	2,619,369	1,780,081	637,063	674,893	5,808,853	18,200,132
Lifted from bank	57,979	169,887	18,226	10,416	6,888	17,795	53,325	136,907
Total output	7,150,693	22,928,182	2,601,143	1,769,645	639,173	637,098	5,755,528	18,063,225

Table 110.—Disposition of Bituminous Coal from Alberta Mines, 1929 and 1930

(Short tons)

	1929		1930				1929	
	Total		Run-of-mine	Lump	Nut and other grades	Slack	Total	
	Quantity	Value					Quantity	Value
Supplied to employees for domestic consumption		\$						\$
Coal shipped as per Table 114	18,305	53,120	12,903	3,170			16,073	45,873
Used under colliery boilers.	2,919,439	10,363,247	1,982,438	22,042	3,985	116,675	2,125,150	7,537,610
Used by companies' railroads	101,917	323,972	93,109				93,109	293,708
Used in making coke at colliery	1,123	4,140	1,010				1,010	3,708
Used in making briquettes	26,180	96,166				22,272	22,272	83,522
Put on bank	18,769	67,332	17,815	15	20	28	17,878	65,153
Put on waste heap	23,958						18,510	
Total disposition	3,109,692	10,907,986	2,107,284	25,227	4,005	138,975	2,291,002	8,029,600
Lifted from bank	15,545	56,487	15,535				15,535	58,199
Total output	3,091,147	10,851,199	2,091,750	25,227	4,005	138,975	2,278,667	7,971,401

Table 111.—Disposition of Sub-Bituminous Coal from Alberta Mines, by Grades, 1929 and 1930

(Short tons)

	1929		1930				1929	
	Total		Run-of-mine	Lump	Nut and other grades	Slack	Total	
	Quantity	Value					Quantity	Value
Supplied to employees for domestic consumption		\$						\$
Coal shipped as per Table 115	1,348	4,797	387	752	445		1,581	5,221
Used under colliery boilers	580,748	1,836,338	259,864	149,518	50,905	58,539	518,826	1,610,038
Used by companies' railroads	28,263	45,741	14,335	372	813	13,004	30,421	52,131
Put on bank	5,147	10,291	5,536	6	2		5,314	11,116
Put on waste heap	6,771	20,113	201	595	182	500	4,478	4,458
	49,821						45,183	
Total disposition	672,098	1,917,286	280,223	151,243	52,347	71,043	606,039	1,712,965
Lifted from bank	3,356	8,332	2,033	180	55	413	2,684	7,729
Total output	668,762	1,908,954	278,190	151,063	52,292	73,638	603,358	1,705,236

Table 112.—Disposition of Lignite Coal from Alberta Mines, 1929 and 1930

(Short tons)

	1929		1930					Total	
	Total		Run-of-mine	Lump	Nut and other grades	Slack	Total		
	Quantity	Value					Quantity	Value	\$
Supplied to employees for domestic consumption.....	25,837	76,580	1,444	17,244	3,972	9	22,669	69,900	
Coal shipped as per Table 116.....	3,213,720	9,087,845	229,470	1,572,625	563,835	369,215	2,735,145	8,231,948	
Used under colliery boilers.....	113,959	96,916	180	3,238	5,674	87,764	96,856	81,322	
Used by companies' railroads.....	1,323	3,505	263	.....	905	.....	1,168	3,136	
Put on tank.....	35,643	107,918	504	10,504	6,325	4,887	22,220	68,261	
Put on waste heap.....	36,400	.....	.....	.....	.....	.....	30,754	.....
Total disposition.....	3,426,882	10,272,797	231,861	1,603,611	580,711	461,875	2,908,812	8,457,567	
Lifted from bank.....	39,038	103,068	658	10,236	6,833	17,382	35,109	70,970	
Total output.....	3,387,844	10,167,729	231,203	1,593,375	573,878	444,493	2,873,703	8,386,588	

Table 113.—Total Shipments of Coal from Alberta Mines, by Grades and Destination, 1929 and 1930

(Short tons)

Destination	1929					1930				
	Run-of-mine	Lump	Nut and other grades	Slack	Total	Run-of-mine	Lump	Nut and other grades	Slack	Total
Alberta.....	247,263	537,146	268,504	297,739	1,350,652	243,079	462,467	248,668	237,605	1,191,819
Saskatchewan.....	128,786	975,428	216,791	142,106	1,463,111	31,209	793,490	189,767	150,808	1,223,274
British Columbia.....	7,913	120,139	68,160	44,649	240,861	5,433	127,986	59,542	33,980	226,911
Manitoba.....	43,965	384,338	107,420	50,630	586,335	64,770	316,094	89,396	70,635	549,855
Ontario.....	219	40,297	9,236	.....	55,752	307	26,022	3,755	133	30,217
Quebec.....	.....	33	.....	.....	33	.....	32	.....	.....	32
United States.....	5,398	8,647	22,353	14,849	51,247	2,198	6,836	20,706	14,496	44,235
Railroads.....	2,751,413	35,913	137,054	41,517	2,965,897	2,064,789	11,259	6,891	36,772	2,119,708
Total.....	3,184,957	2,167,941	829,518	591,490	6,713,306	2,471,782	1,744,185	618,735	544,429	5,379,121

Table 114.—Shipments of Bituminous Coal from Alberta Mines, by Grades and Destination, 1929 and 1930

(Short tons)

Destination	1929					1930				
	Run-of-mine	Lump	Nut and other grades	Slack	Total	Run-of-mine	Lump	Nut and other grades	Slack	Total
Alberta.....	73,657	2,689	581	15,605	92,532	72,187	2,381	1,052	13,096	88,716
Saskatchewan.....	49,864	13,574	3,029	21,301	87,768	37,094	10,634	1,702	11,613	61,943
British Columbia.....	7,252	1,860	378	42,903	52,462	3,436	3,583	1,043	33,535	41,587
Manitoba.....	19,338	2,289	180	16,823	38,630	40,932	2,689	.....	32,508	76,129
Ontario.....	.....	.....	.....	.....	.....	.....	.....	.....	33	33
United States.....	5,398	2,042	.....	14,729	22,169	2,165	2,721	168	13,677	18,731
Railroads.....	2,612,679	151	20	13,087	2,625,937	1,825,734	34	20	12,213	1,838,001
Total.....	2,768,188	22,614	4,188	124,448	2,919,438	1,982,448	22,042	3,985	116,675	2,125,150

Table 115.—Shipments of Sub-Bituminous Coal from Alberta Mines, by Grades and Destination, 1929 and 1930

(Short tons)

Destination	1929					1930				
	Run-of-mine	Lump	Nut and other grades	Slack	Total	Run-of-mine	Lump	Nut and other grades	Slack	Total
Alberta.....	10,363	19,332	7,593	14,269	51,557	18,454	14,673	5,327	5,167	43,621
Saskatchewan.....	66	48,407	13,112	12,975	74,560	1,411	36,507	11,937	11,878	61,733
British Columbia.....	661	33,484	19,150	386	53,681	788	34,338	16,639	31	51,796
Manitoba.....	130	59,148	14,302	18,281	91,867	126	47,026	10,036	18,843	74,031
Ontario.....	8,926	1,269	—	10,193	—	5,6	62	—	61	5,729
United States.....	—	81	107	56	244	—	111	—	33	177
Railroads.....	129,509	8,810	132,295	28,030	298,644	239,052	11,225	6,871	24,559	281,707
Quebec.....	—	—	—	—	—	—	32	—	—	32
Total.....	140,735	178,188	187,828	73,997	580,748	239,964	149,518	50,905	58,539	518,336

Table 116.—Shipments of Lignite Coal from Alberta Mines by Grades and Destination, 1929 and 1930

(Short tons)

Destination	1929					1930				
	Run-of-mine	Lump	Nut and other grades	Slack	Total	Run-of-mine	Lump	Nut and other grades	Slack	Total
Alberta.....	163,243	515,125	260,330	267,865	1,206,563	152,438	445,413	242,280	219,342	1,059,482
Saskatchewan.....	78,856	913,447	200,650	107,830	1,300,783	51,804	746,349	176,128	127,317	1,101,598
British Columbia.....	—	84,786	48,632	1,360	131,778	—	90,065	41,860	414	133,548
Manitoba.....	24,491	322,901	92,938	15,526	435,856	23,712	266,379	79,360	21,284	390,735
Ontario.....	219	37,371	7,967	—	45,552	307	20,416	3,693	30	24,455
Quebec.....	—	33	—	—	33	—	—	—	—	—
United States.....	—	6,524	22,246	64	28,834	—	4,003	20,505	819	25,327
Railroads.....	9,225	28,952	4,739	400	41,316	—	—	—	—	—
Total.....	276,034	1,907,139	637,502	393,045	3,213,720	229,470	1,572,623	563,835	369,215	2,735,145

Table 117.—Exports of Canadian Coal through Alberta Ports, 1926-1930

(Short tons)

	Port	1926	1927	1928	1929	1930
Lethbridge.....		631	585	843	1,060	1,321
Total.....		631	585	843	1,060	1,321

Table 118.—Imports into Alberta of Anthracite and Bituminous Coal by Ports of Entry, 1929 and 1930

(Short tons)

Port	Source	1929					1930				
		Anthracite			Bitum- inous all grades	Total	Anthracite			Bitum- inous all grades	Total
		Egg, nut, etc.	Dust	Total			Egg, nut, etc.	Dust	Total		
Calgary.....	U.S.....	—	—	—	499	499	—	—	—	315	315
Edmonton.....	U.S.....	—	—	—	822	822	—	—	—	890	890
Lethbridge.....	U.S.....	—	—	—	6	6	—	—	—	46	46
Medicine Hat.....	U.S.....	—	—	—	—	—	—	—	—	100	100
Total.....	U.S.....	—	—	—	1,327	1,327	—	—	—	1,351	1,351

Table 119.—Summary Statistics for 1930—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.	Imported from Great Britain	Coal available for consumption
	Output	Received from other provinces	Shipped to other provinces	Exported			
January—							
Bituminous.....	201,065	2,939	24,486	.....	74	.....	179,592
Sub-bituminous.....	83,548	.....	39,188	.....	.....	.....	44,358
Lignite.....	506,408	.....	292,746	115	.....	.....	213,547
Total.....	701,019	2,939	356,420	115	74	.....	437,497
February—							
Bituminous.....	169,471	1,140	15,322	.....	137	.....	155,426
Sub-bituminous.....	50,590	.....	10,624	.....	.....	.....	33,966
Lignite.....	228,427	.....	125,140	80	.....	.....	103,207
Total.....	448,488	1,140	157,086	80	137	.....	292,599
March—							
Bituminous.....	175,659	1,804	14,328	13	219	.....	163,341
Sub-bituminous.....	28,642	.....	5,017	.....	.....	.....	23,625
Lignite.....	163,734	.....	102,253	190	.....	.....	93,354
Total.....	400,098	1,804	121,598	203	219	.....	280,320
April—							
Bituminous.....	169,189	4,498	5,829	.....	106	.....	167,964
Sub-bituminous.....	24,318	.....	986	.....	.....	.....	23,332
Lignite.....	77,172	.....	33,109	.....	.....	.....	44,063
Total.....	270,679	4,498	39,924	.....	106	.....	235,359
May—							
Bituminous.....	186,958	4,940	5,589	.....	178	.....	186,487
Sub-bituminous.....	22,310	.....	1,687	.....	.....	.....	20,623
Lignite.....	91,477	.....	42,386	.....	.....	.....	49,091
Total.....	300,745	4,940	49,662	.....	178	.....	256,201
June—							
Bituminous.....	230,267	4,001	6,587	.....	138	.....	227,819
Sub-bituminous.....	34,758	.....	3,556	.....	.....	.....	31,202
Lignite.....	90,030	.....	41,187	70	.....	.....	48,773
Total.....	355,055	4,001	51,330	70	138	.....	307,794
July—							
Bituminous.....	198,001	5,510	7,996	.....	141	.....	185,656
Sub-bituminous.....	44,531	.....	8,214	.....	.....	.....	36,317
Lignite.....	79,749	.....	40,307	33	.....	.....	39,349
Total.....	322,281	5,510	56,577	33	141	.....	271,322
August—							
Bituminous.....	194,549	3,041	10,019	.....	147	.....	187,418
Sub-bituminous.....	56,109	.....	15,311	.....	.....	.....	46,708
Lignite.....	149,050	.....	84,216	32	.....	.....	64,802
Total.....	399,708	3,041	110,446	32	147	.....	293,018
September—							
Bituminous.....	211,648	1,415	15,366	50	37	.....	197,684
Sub-bituminous.....	63,642	.....	21,213	.....	.....	.....	39,429
Lignite.....	283,781	33	178,330	90	.....	.....	105,394
Total.....	559,071	1,448	217,909	140	37	.....	342,507
October—							
Bituminous.....	160,532	1,605	20,309	.....	64	.....	141,892
Sub-bituminous.....	76,201	.....	35,417	.....	.....	.....	41,784
Lignite.....	539,439	1,467	344,012	99	.....	.....	196,795
Total.....	776,172	3,072	390,738	99	64	.....	370,471
November—							
Bituminous.....	169,158	1,470	22,757	12	75	.....	147,934
Sub-bituminous.....	57,727	.....	19,437	.....	.....	.....	38,290
Lignite.....	362,246	35	211,472	405	.....	.....	150,404
Total.....	589,131	1,505	253,666	417	75	.....	336,628
December—							
Bituminous.....	211,970	1,481	30,214	24	35	.....	183,248
Sub-bituminous.....	60,984	.....	23,674	.....	.....	.....	37,313
Lignite.....	270,127	.....	155,118	108	.....	.....	114,901
Total.....	513,081	1,481	209,003	132	35	.....	335,462
Total—							
Bituminous.....	2,278,167	34,414	179,702	99	1,351	.....	2,131,161
Sub-bituminous.....	603,358	.....	193,321	.....	.....	.....	410,037
Lignite.....	2,873,703	1,535	1,630,336	1,222	.....	.....	1,223,680
Total.....	5,755,528	33,979	2,023,359	1,321	1,351	.....	3,768,178

Table 120.—Employees, Salaries and Wages, in the Coal Mines of Alberta, by Districts,
1929

District	Average number of employees					Salaries and wages		
	Salaried employees		Wage-earners			Total	Salaries	Wages
	Male	Female	Surface	Under-ground				
BITUMINOUS—							\$	\$
Cascade.....	26	2	98	248	374	69,448	562,575	632,023
Crowsnest.....	157	7	493	1,758	2,415	386,565	2,741,167	3,127,732
Mountain Park.....	44	3	319	616	932	116,989	1,867,372	1,984,361
Nordegg.....	18	1	96	272	387	46,606	460,267	506,873
Total bituminous.....	245	13	1,008	2,894	4,158	619,608	5,631,381	6,250,989
SUB-BITUMINOUS—								
Coalspur.....	37	3	276	272	588	115,320	892,883	1,008,203
Morley.....								
Pekisko.....			2	6	8		8,461	8,461
Pincher.....			2	5	7		3,997	3,997
Prairie Creek.....	2		22	18	42	4,000	75,595	79,595
Saunders.....	9		37	98	144	25,720	245,744	271,464
Total sub-bituminous.....	48	3	339	399	789	145,040	1,226,680	1,371,720
LIGNITE—								
Ardley.....	2		1	9	12	119	5,556	5,675
Big Valley.....			2	11	13		7,022	7,022
Brooks.....	1		2	8	11	3,600	13,838	17,438
Camrose.....	7		14	44	65	16,000	51,223	67,223
Carbon.....	13		36	153	292	25,380	180,701	206,081
Castor.....	2		9	59	70	1,171	32,513	33,684
Champion.....			1	20	21		20,918	20,948
Drumheller.....	128	6	419	1,675	2,228	313,703	3,105,351	3,419,054
Edmonton.....	59	4	108	507	678	102,885	618,745	721,630
Gleichen.....			1	5	6		6,111	6,111
Halcourt.....				2	2		1,300	1,300
Lethbridge.....	35	6	327	1,066	1,434	124,082	1,777,121	1,901,203
Magrath.....			1	2	3		1,250	1,250
Milk River.....				2	2		944	944
Pakowki.....				2	2		2,670	2,670
Pembina.....	21	2	51	121	185	74,002	211,652	245,744
Redcliff.....	2		8	34	44	4,400	41,329	45,729
Sexsmith.....								
Sheerness.....	3		9	27	39	1,346	18,135	19,481
Slave Lake.....								
Steveville.....								
Taber.....	5	1	7	41	54	4,730	45,745	50,475
Tofield.....	7		107	3	117	40,574	128,202	168,776
Wainwright.....				1	2		50	50
Wetaskiwin.....								
Whitecourt.....								
Total lignite.....	285	19	1,104	3,702	5,200	712,082	0,270,406	6,982,488
Total Alberta.....	578	35	2,449	7,065	10,147	1,476,739	13,123,467	14,605,197

Table 121.—Employees, Salaries and Wages in the Coal Mines of Alberta by Districts, 1930

District	Average number of employees						Salaries and wages		
	Salaried employees		Wage-earners		Total	Salaries	Wages	Total	
	Male	Female	Surface	Under-ground					
BITUMINOUS—									
Cascade.....	22	1	84	245	352	65,243	441,901	507,144	
Crowsnest.....	158	6	469	1,435	2,003	379,830	2,035,824	2,415,651	
Mountain Park.....	53	7	245	555	800	161,655	1,188,282	1,349,937	
Nordegg.....	18	1	92	225	236	46,101	374,567	420,668	
Total bituminous.....	251	15	890	2,460	3,616	652,829	4,040,574	4,693,403	
SUB-BITUMINOUS—									
Coalspur.....	40	3	269	260	572	126,942	787,129	914,071	
Morley.....									
Pekisko.....			3	9	12		5,702	5,702	
Pincher.....			2	5	7		4,220	4,220	
Prairie Creek.....	6		16	27	43	10,812	66,428	71,240	
Saunders.....	10		35	95	110	24,453	185,167	209,620	
Total sub-bituminous.....	56	3	325	396	720	162,207	1,042,646	1,201,853	
LIGNITE—									
Ardley.....			2	8	10		3,270	3,270	
Big Valley.....			1	9	10		3,912	3,912	
Brooks.....	2		3	10	15	3,600	17,190	20,790	
Canrose.....	6		12	39	57	13,800	42,749	56,549	
Carbon.....	11		34	137	182	20,981	130,082	151,063	
Castor.....	2		9	47	58	700	25,455	26,155	
Champion.....			3	22	25		19,756	19,756	
Drumheller.....	126	7	414	1,728	2,273	332,640	2,493,686	2,826,326	
Edmonton.....	40	4	117	497	558	74,616	540,451	613,067	
Glenorchy.....			1	6	7		5,749	5,749	
Halcourt.....				2	2		1,417	1,417	
Lethbridge.....	46	6	305	1,016	1,373	106,122	1,351,497	1,457,619	
Magrath.....			1	2	3		1,920	1,920	
Milk River.....	1			4	5	1,300	3,676	4,976	
Pakowski.....				5	5		3,494	3,494	
Pembina.....	11		50	97	158	24,854	167,523	192,377	
Redcliff.....	2		7	32	41	4,400	34,123	38,523	
Rochester.....				1	1		420	420	
Sexsmith.....			14	24	38		20,398	20,398	
Sheerness.....									
Slave Lake.....									
Steveville.....									
Taber.....			6	24	30		17,128	17,128	
Tofield.....	5		85	3	93	10,611	99,739	110,350	
Wainwright.....									
Wetaskiwin.....									
Whitecourt.....									
Total lignite.....	252	17	1,064	3,714	5,047	593,624	4,983,855	5,577,519	
Total Alberta.....	559	35	2,279	6,570	9,443	1,408,660	10,067,115	11,475,775	

Table 122.—Employment and Earnings in the Coal Mines of Alberta, 1926-1930

	1926	1927	1928	1929	1930
Average number of wage-earners—					
Surface.....	2,149	2,304	2,371	2,449	2,279
Underground.....	6,518	6,628	6,909	7,085	6,570
Total.....	8,667	8,932	9,280	9,534	8,849
Days' work done—					
Surface.....	555,584	617,207	644,152	638,771	540,522
Underground.....	1,443,010	1,565,658	1,614,013	1,570,369	1,233,052
Total.....	1,998,600	2,182,925	2,258,165	2,209,140	1,773,574
Average number of days worked per man per year—					
Surface.....	258	268	272	261	237
Underground.....	221	236	234	222	187
By all wage-earners.....	230	244	243	222	200
Total wages paid.....	\$ 11,129,594	\$ 12,166,597	\$ 13,089,846	\$ 13,128,467	\$ 10,067,115
Average wage earned per man per day.....	\$ 5.56	\$ 5.57	\$ 5.79	\$ 5.94	\$ 5.68

Table 123.—Wage-Earners Employed, and Work Done by Months in the Coal Mines of Alberta in 1930

Month	Number of wage earners			Days' work done		
	Surface	Under-ground	Total	Surface	Under-ground	Total
January.....	2,667	8,393	11,060	61,261	196,205	227,466
February.....	2,414	7,370	9,784	42,527	98,331	110,858
March.....	2,235	6,381	8,616	40,158	87,689	127,847
April.....	1,912	4,705	6,617	31,331	55,739	87,670
May.....	1,802	4,497	6,299	32,804	63,486	96,280
June.....	1,891	4,005	6,496	36,346	72,288	108,634
July.....	1,978	4,822	6,800	37,483	70,266	107,719
August.....	2,184	5,538	7,702	43,605	86,242	129,817
September.....	2,397	6,926	9,323	51,047	120,067	171,111
October.....	2,672	8,274	10,946	63,216	171,364	231,580
November.....	2,823	8,716	11,339	52,633	126,470	179,103
December.....	2,594	8,609	11,203	48,021	114,905	162,926
Total				540,522	1,233,052	1,773,574

Table 124.—Number of Man-Days' Work Done by Districts in Alberta Coal Mines, 1929 and 1930

District	1929			1930		
	Surface	Under-ground	Total	Surface	Under-ground	Total
BITUMINOUS—						
Brûlé.....	29,006	58,485	87,491	23,186	44,477	67,663
Cascade.....	125,195	384,857	490,052	109,672	256,591	366,263
Crowsnest.....	93,836	173,582	267,418	82,205	127,742	189,947
Mountain Park.....	29,966	49,811	79,777	25,218	38,459	63,677
Total bituminous.....	278,003	646,735	924,738	220,281	467,269	687,550
SUB-BITUMINOUS—						
Coultspur.....	70,459	69,188	139,647	69,595	51,514	124,139
Morley.....	355	1,031	1,386	496	1,817	2,313
Pekisko.....	377	712	1,089	427	937	1,364
Piner.....	5,328	3,211	8,539	3,578	5,408	8,986
Prairie Creek.....	9,173	24,169	33,342	6,633	17,618	24,251
Total sub-bituminous.....	85,692	98,311	184,003	80,729	80,324	161,653
LIGNITE—						
Ardley.....	324	1,055	1,979	409	1,215	1,624
Big Valley.....	347	1,833	2,180	217	1,605	1,822
Brooks.....	613	2,242	2,855	744	2,614	3,358
Cainrose.....	2,721	8,216	10,937	2,327	7,320	9,647
Carbon.....	7,647	29,498	37,145	5,883	23,325	29,208
Caster.....	1,899	10,967	12,866	1,663	8,016	9,679
Chapman.....	379	3,901	4,280	772	4,305	5,077
Drunheller.....	104,333	364,399	468,722	89,108	310,166	399,274
Edmonton.....	25,078	117,590	142,668	26,540	107,345	133,885
Gleichen.....	404	1,536	1,940	396	1,270	1,666
Halcourt.....	24	301	325	43	239	272
Lethbridge.....	86,783	237,904	324,687	72,255	180,721	232,976
Magrath.....	216	401	617	164	408	632
Milk River.....	3	364	367	65	693	758
Pakowki.....	53	642	695	75	704	839
Pembina.....	12,601	25,314	38,005	11,416	19,201	30,617
Redcliff.....	1,455	6,047	8,102	1,465	6,711	8,176
Rochester.....				60	80	140
Sexsmith.....						
Sheerness.....	1,794	4,817	6,611	2,465	4,378	6,813
Sluice Lake.....						
Steveville.....						
Taber.....	1,336	6,329	7,665	1,010	4,126	5,136
Tofield.....	20,974	723	27,697	22,433	809	23,242
Wainwright.....						
Wetaskiwin.....	12	14	26	12	88	100
Total lignite.....	275,076	825,323	1,100,399	230,512	685,459	824,971
Total Alberta.....	638,771	1,570,362	2,209,140	540,522	1,233,052	1,773,574

Table 125.—Wage-Earners Employed in Alberta Coal Mines, by Classes, 1929 and 1930

Classification	1929			1930		
	Surface	Under-ground	Total	Surface	Under-ground	Total
SURFACE—						
Administration.....	87	5	92	86	8	94
Foremen and clerks.....	213	4	217	215	5	220
Screenmen and loaders.....	670	100	770	689	42	731
UNDERGROUND—						
Officials.....	4	327	331	7	319	326
Hand cutters and helpers.....	2,499	2,499		2,140	2,140	
Machine cutters.....	414	414		420	420	
Machine loaders and helpers.....	1,598	1,598		1,733	1,733	
Horse hauling employees.....	22	627	649	19	583	602
Mechanical haulage employees.....	62	329	391	59	314	373
Ventilation employees.....	1	98	99	2	80	82
Roadmakers.....	7	177	184	5	178	183
Timbermen.....	1	297	298		265	265
Pumpmen.....	2	44	46	2	44	46
MISCELLANEOUS—						
Enginemen.....	161	4	165	161		161
Firemen.....	118		118	113		113
Machinists.....	80	6	86	76	7	83
Carpenters and masons.....	76	1	77	65	1	66
Other mechanics.....	105	6	111	98	8	106
All other employees.....	840	549	1,389	682	414	1,096
Total.....	2,449	7,085	9,534	2,279	6,570	8,849

Table 126.—Capital Employed in the Coal Mines of Alberta, 1929 and 1930

	1929	1930
Capital employed as represented by—	\$	\$
Cost of lands, buildings, machinery and tools.....	47,031,532	45,452,048
Cost of supplies and stock on hand.....	1,072,587	1,070,620
Cash, trading and operating accounts and bills receivable.....	7,968,965	7,444,514
Total.....	56,073,084	53,967,182

CHAPTER TEN

BRITISH COLUMBIA

British Columbia mines produced 2,083,818 tons of coal in 1930, a decline of 13·5 per cent from the 1929 output of 2,490,378 tons. Production from mines in Crows Nest Pass district declined 23·3 per cent, in Inland district, 12·8 per cent, and in Island district, 11·7 per cent.

The mines in operation during the year produced 73 per cent of their possible output as compared with 81 per cent in 1929. Of the 27 per cent, or 756,359 tons lost during recognized operating periods in 1930, lack of orders accounted for 25·3 per cent. In the Crows Nest Pass district the operating mines worked 61 per cent of the working days in the year. Inland district mines operated at 84 per cent of their capacity; an explosion at the Number 4 mine of the Coalmont Collieries in this district caused a loss of approximately six weeks in 1930. In the Island district the mines produced 82 per cent of their possible output. The Wakesinh and Reserve mines of the Western Fuel Corporation were closed down early in the year.

Shipments of British Columbia coal for use within the province were at approximately the same level as in 1929. A decline of 32 per cent was recorded in the tonnage of coal sold for railroad use; in 1930 railroads supplied a market for 37·1 per cent of the coal shipped from the mines as compared with 44·8 per cent in the previous year. The remainder of the coal shipped was consigned to Alberta, Saskatchewan, Manitoba, Ontario, the United States, Alaska, and for ships' bunkers. As a matter of interest it should be noted that shipments to Manitoba totalled 11,419 tons in 1930 as against 1,155 tons in 1929.

Exports of Canadian coal through British Columbia ports amounted to 239,566 tons, a falling off of 47·7 per cent from the 1929 total of 458,290 tons. Imports of coal into British Columbia were recorded at 27,942 tons, consisting of 26,820 tons from the United States and 1,122 tons from French Indo-China.

A decline of 9·4 per cent was shown in the tonnage of coal made available for consumption in British Columbia during 1930. The year's coal supply was computed at 1,987,320 tons, of which quantity Alberta mines supplied 2·1 per cent; United States mines, 1·3 per cent; French Indo-China mines, 0·06 per cent and the remainder was obtained from local mines.

British Columbia coal mines furnished employment on the average to 4,621 persons who received a total remuneration of \$5,715,329. Wage-earners worked 1,011,490 man-days during the year or an average of 231 days per man. In 1929 a total of 1,237,629 man-days work was done and each worker averaged 258 days employment.

The provincial government made arrangements during the year to have tests of all British Columbia coals made on a commercial scale at the new Federal Government Fuel Testing Laboratory at Ottawa, Ontario. The railway companies co-operated in this work by transporting the test shipments free of charge. According to the provincial government, preliminary reports of the tests of British Columbia coals showed that they were easily and cheaply pulverized and gave highly efficient results in steam generation.

Table 127.—Output of Coal from British Columbia Mines, 1836-1930
(Short tons)

Calendar year	Output	Value	Calendar year	Output	Value
	\$				\$
1836-1866.....	214,410	765,748	1899.....	1,431,101	3,833,307
1867.....	31,988	124,356	1900.....	1,701,833	4,700,553
1868.....	46,286	176,020	1901.....	1,919,488	5,141,487
1869.....	40,098	143,208	1902.....	1,808,441	4,844,040
1870.....	33,424	119,372	1903.....	1,670,581	4,190,844
1871.....			1904.....	1,862,025	4,989,174
1872.....	166,271	593,836	1905.....	1,915,452	5,211,030
1873.....			1906.....	2,146,262	5,748,915
1874.....	90,788	243,182	1907.....	2,364,898	7,390,306
1875.....	109,361	292,932	1908.....	2,333,708	7,292,838
1876.....	157,007	420,555	1909.....	2,006,127	8,114,147
1877.....	156,455	419,076	1910.....	3,330,745	10,408,580
1878.....	213,750	572,544	1911.....	2,512,532	7,915,413
1879.....	260,277	697,170	1912.....	3,208,997	10,028,110
1880.....	305,045	817,086	1913.....	2,711,420	8,482,562
1881.....	257,056	688,542	1914.....	2,239,799	6,999,374
1882.....	323,201	865,716	1915.....	2,065,613	6,455,041
1883.....	240,075	643,059	1916.....	2,581,061	8,075,100
1884.....	441,130	1,181,598	1917.....	2,433,888	8,235,718
1885.....	372,987	999,072	1918.....	2,568,589	11,194,681
1886.....	375,415	1,005,576	1919.....	2,649,516	13,512,532
1887.....	486,142	1,302,165	1920.....	3,095,011	18,105,814
1888.....	539,167	1,445,001	1921.....	2,890,291	15,676,774
1889.....	636,439	1,704,747	1922.....	2,927,033	14,622,317
1890.....	767,586	2,056,035	1923.....	2,823,306	13,813,520
1891.....	1,130,227	3,027,528	1924.....	2,193,667	10,601,998
1892.....	937,218	2,510,406	1925.....	2,742,252	11,720,373
1893.....	1,003,980	2,930,301	1926.....	2,613,719	10,612,915
1894.....	1,112,628	2,980,251	1927.....	2,746,243	10,934,777
1895.....	1,058,045	2,834,049	1928.....	2,804,594	11,094,353
1896.....	1,003,769	2,889,666	1929.....	2,490,378	10,180,789
1897.....	1,019,390	2,730,510	1930.....	2,083,818	8,421,572
1898.....	1,263,580	3,384,858	Total.....	92,524,586	329,551,820

* The tonnage shown for 1919-1930 inclusive, is the total output from all mines; for previous years the figures given include only sales, colliery consumption and coal used by operators.

Table 128.—Output of Coal from British Columbia Mines, by Months, 1926-1930
(Short tons)

Month	1926	1927	1928	1929	1930
January.....	203,800	228,301	250,937	233,706	207,324
February.....	178,226	223,383	251,461	225,926	199,970
March.....	205,711	242,874	218,262	214,432	175,394
April.....	194,813	215,900	214,204	220,641	161,130
May.....	187,986	212,785	225,458	211,637	157,604
June.....	255,371	262,809	251,128	210,820	213,322
July.....	211,879	189,219	199,300	169,489	137,616
August.....	216,710	211,611	228,565	184,783	136,685
September.....	222,760	216,962	211,577	198,420	160,540
October.....	267,540	220,277	243,852	212,934	182,110
November.....	252,308	248,330	244,984	202,645	169,530
December.....	226,615	283,723	228,797	204,945	182,578
Total.....	2,613,719	2,716,213	2,804,594	2,490,378	2,083,818

Table 129.—Output of Coal by Districts in British Columbia, 1926-1930

(Short tons)

District	1926	1927	1928	1929	1930
Crow's Nest Pass.....	915,850	1,015,669	1,007,390	962,552	738,370
Inland.....	211,806	240,720	277,464	273,054	237,978
Island.....	1,456,063	1,489,848	1,429,740	1,254,772	1,107,470
Total.....	2,613,719	2,746,243	2,804,594	2,490,378	2,083,818

Table 130.—Output of Coal by Principal Collieries in British Columbia, 1928-1930
(Average of 500 tons or over per month)

(Short tons)

Name	Address	1928	1929	1930
CROW'S NEST PASS DISTRICT—				
Corbin Collieries, Ltd.....	Corbin.....	178,436	157,892	205,447
Crow's Nest Pass Coal Co., Ltd.....	Fernie.....	920,954	804,060	532,923
Total.....		1,067,390	962,552	738,370
INLAND DISTRICT—				
Coalmont Collieries, Ltd.....	Coalmont.....	184,594	167,721	110,485
Blue Flame Colliery (formerly Lynden Coal Mines Ltd.).....	Princeton.....	20,855	5,530	12,248
Middlesboro Collieries, Ltd.....	Merritt.....	50,004	48,578	40,681
Pleasant Valley Mining Co., Ltd.....	Princeton.....	5,874	21,663	
Tulameen Coal Mines, Ltd.....	Princeton.....	20,148	41,773	45,765
All other operators.....		1,863	3,578	1,136
Total.....		277,464	273,054	237,978
ISLAND DISTRICT—				
Canadian Collieries (Dunsmuir) Ltd.....	Nanaimo.....	604,003	469,973	508,576
Chambers, R. H. (Little Ash Mine).....	Nanaimo.....	1,716	6,621	6,261
East Wellington Coal Co.....	Belmont House, Victoria.....	6,000		
Granby Consolidated Mining, Smelting and Power Co., Ltd.....	Cassidy.....	200,216	181,250	166,516
Western Fuel Corporation of Canada, Ltd.....	Nanaimo.....	606,783	578,290	414,246
All other operators.....		2,022	8,629	11,871
Total.....		1,429,740	1,254,772	1,107,470
Total British Columbia.....		2,804,594	2,490,378	2,083,818

Table 131.—Tonnage Lost in British Columbia Mines, Showing by Districts the Relative Percentages Produced and Lost, with an Analysis of the Percentage Lost, 1929 and 1930

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.....	1929	72	28	1·0	23·8	1·4	0·8	1·0
	1930	61	39	0·3	38·0	0·0	0·0	0·7
Inland.....	1929	84	16	0·2	5·1	8·7	0·0	2·0
	1930	84	16	0·4	10·7	1·2	2·8	0·9
Island.....	1929	89	11	1·0	9·2	0·0	0·0	0·8
	1930	82	18	0·8	16·9	0·0	0·3	0·0
British Columbia.....	1929	81	19	0·8	15·2	1·6	0·4	1·0
	1930	73	27	0·5	25·3	0·2	0·5	

Table 132.—Disposition of Coal from British Columbia Mines by Grades, 1929 and 1930
(Short tons)

Description	1929					1930				
	Run-of-mine	Screened	Slack	Total		Run-of-mine	Screened	Slack	Total	
				Short tons	Value				Short tons	Value
Supplied to employees for domestic consumption.	1,141	20,918	....	22,059	73,463	1,710	20,448	56	22,213	72,951
Shipped as per Table 133.	662,930	1,030,204	385,684	2,078,818	9,146,007	424,240	931,216	354,179	1,709,641	7,501,492
Used under colliery boilers, etc.	25,679	78,668	33,288	147,635	469,707	30,280	74,384	34,709	139,133	416,101
Used by companies' railroads.	3,848	9,839	30	13,717	56,402	4,902	8,046	....	12,948	50,065
Used in making coke at colliery.	....	....	115,482	115,482	409,960	....	....	109,955	109,955	399,338
Put on bank.	5,858	38,203	23,082	66,943	238,568	7,104	23,518	4,864	35,486	139,736
Put on waste heap.	....	....	....	109,373	....	....	....	....	108,713	....
Total disposition...	709,256	1,177,832	557,566	2,554,027	10,394,113	469,242	1,057,612	583,823	2,138,390	8,600,683
Lifted from bunk.	18,285	41,440	3,921	63,619	233,324	5,705	33,841	15,026	54,572	179,111
Total output.....	690,971	1,136,392	553,642	2,490,378	10,160,789	462,537	1,023,771	488,797	2,083,818	8,421,572

Table 133.—Shipments of Coal from British Columbia Mines by Grades and Destinations, 1929 and 1930

(Short tons)

Destination	1929				1930			
	Run-of-mine	Screened	Slack	Total	Run-of-mine	Screened	Slack	Total
British Columbia.....	37,753	604,389	140,170	782,312	34,780	582,174	155,514	772,468
Alberta.....	13,825	692	33,409	47,926	12,004	341	22,099	34,444
Saskatchewan.....	17,818	1,662	43,364	62,844	14,294	1,373	50,178	65,545
Manitoba.....	936	184	35	1,155	3,927	745	6,747	11,419
Ontario.....	....	....	....	30	....	....	77	107
United States.....	14,194	91,238	16,562	121,994	3,352	62,596	18,363	84,311
Alaska.....	....	23,891	....	23,891	....	26,456	....	26,456
Railroads.....	578,404	201,036	152,144	931,584	355,859	177,411	100,306	633,576
Bunker.....	....	107,112	....	107,112	....	80,120	895	81,015
Total.....	662,930	1,030,204	385,684	2,078,818	424,240	931,216	354,179	1,709,641

Table 134.—Exports of Canadian Coal through British Columbia Ports, 1926-1930
(Short tons)

Port	1926	1927	1928	1929	1930
Abbotsford.....	75	641	2,019	367	278
Cranbrook.....	60,829	71,496	66,650	65,697	65,287
Fernie.....	190,689	262,496	244,557	235,186	60,732
Granit Forks.....	11	1	—	10	45
Nanaimo.....	178,682	178,765	165,341	155,130	111,468
Nelson.....	—	—	—	—	—
New Westminster.....	125	373	342	451	153
Penticton.....	185	308	1,210	1,292	1,189
Prince Rupert.....	97	198	367	103	414
Rossland.....	—	—	—	—	—
Vancouver.....	—	100	47	54	—
Victoria.....	378	762	—	—	—
Total.....	431,071	515,146	480,533	458,290	239,566

Table 135.—Imports into British Columbia of Anthracite and Bituminous Coal by Grades and Ports of Entry, 1929 and 1930
(Short tons)

Port	Source	1929					1930				
		Anthracite		Lignite	Bitum- inous, all grades	Total	Anthracite		Lignite	Bitum- inous, all grades	Total
		Egg, nut, etc.	Dust				Egg, nut, etc.	Dust			
Abbotsford.....	U.S.	—	—	81	81	—	—	—	—	101	101
Cranbrook.....	U.S.	—	—	—	—	—	—	—	—	1	1
Fernie.....	U.S.	—	—	107	32	139	—	—	—	41	41
Grand Forks.....	U.S.	—	—	—	—	—	—	—	—	—	—
Greenwood.....	U.S.	—	—	—	—	—	—	—	—	—	—
Nanaimo.....	U.S.	—	—	70	78	—	—	—	—	—	—
Nelson.....	U.S.	—	—	580	319	905	—	—	—	416	712
New Westminster.....	U.S.	—	—	1,085	252	1,337	—	—	—	278	414
Penticton.....	U.S.	—	—	—	—	—	—	—	—	51	51
Prince Rupert.....	U.S.	—	1	—	14,804	14,805	—	1	—	5,558	5,559
Revelstoke.....	U.S.	—	—	—	63	63	—	—	—	258	288
Rossland.....	Japan	—	—	—	—	—	—	—	—	—	—
Vancouver.....	U.S.	484	—	10,323	2,483	13,290	—	—	16,988	2,355	19,343
	French E. Indies	—	—	—	—	—	—	—	—	—	—
	Japan	112	—	—	—	—	—	—	—	—	—
Victoria.....	U.S.	—	—	—	330	330	—	—	—	310	310
	G.B.	—	—	95	95	95	—	—	—	—	—
Total.....	U.S.	484	1	12,171	18,364	31,020	—	1	17,940	8,879	26,820
	G.B.	—	—	—	95	95	—	—	—	—	—
	Japan	112	—	—	—	112	—	—	—	—	—
	French E. Indies	—	—	—	—	—	—	—	—	—	—
Grand total.....	—	596	1	12,171	18,459	31,227	1,122	1	17,940	8,879	27,912

Table 136.—Summary Statistics for 1930—Output, Exports, Interprovincial Shipments, Imports and Coal made Available for Consumption in British Columbia by Months and by Kinds

(Short tons)

Month	Canadian coal				Imported from U.S.A.	Imported from French East Indies	Coal available for consumption
	Output	Received from other provinces	Shipped to other provinces	Exported			
January—							
Bituminous.....	207,324	6,342	9,891	32,477	2,284		173,582
Sub-bituminous.....		11,439					11,439
Lignite.....		38,253		3,535	2,593		37,311
Total.....	207,324	56,034	9,891	36,012	4,877		222,332
February—							
Bituminous.....	199,979	4,161	5,904	26,260	968		172,944
Sub-bituminous.....		4,476					4,476
Lignite.....		7,055		2,573	2,311		6,793
Total.....	199,979	15,692	5,904	28,833	3,279		184,213
March—							
Bituminous.....	175,394	3,943	6,483	25,479	1,857		140,232
Sub-bituminous.....		2,185					2,185
Lignite.....		7,147		1,089	806		6,864
Total.....	175,394	13,275	6,483	26,568	2,863		158,281
April—							
Anthracite.....							
Bituminous.....	161,136	1,305	7,827	13,698	624		141,540
Sub-bituminous.....		551					551
Lignite.....		3,259		399	383		3,243
Total.....	161,136	5,115	7,827	14,097	1,007		145,334
May—							
Anthracite.....							
Bituminous.....	157,604	1,990	10,252	16,989	378	2	132,731
Sub-bituminous.....		1,142					1,142
Lignite.....		2,007		143	383		2,247
Total.....	157,604	5,139	10,252	17,132	761	2	136,122
June—							
Anthracite.....							
Bituminous.....	213,322	2,612	8,950	15,507	1,070		192,547
Sub-bituminous.....		1,146					1,146
Lignite.....		2,376		210	294		2,460
Total.....	213,322	6,134	8,950	15,717	1,364		196,153
July—							
Anthracite.....							
Bituminous.....	137,616	2,284	8,939	14,228	99		116,832
Sub-bituminous.....		1,084					1,084
Lignite.....		3,041		207	355		3,189
Total.....	137,616	6,409	8,939	14,435	454		121,105
August—							
Bituminous.....	136,685	2,208	8,035	12,209	276		118,925
Sub-bituminous.....		2,625					2,625
Lignite.....		6,345		732	258		5,871
Total.....	136,685	11,178	8,035	12,941	534		127,421
September—							
Anthracite.....							
Bituminous.....	160,540	2,838	11,318	13,302	108	1	138,866
Sub-bituminous.....		4,817					4,817
Lignite.....		12,649		1,043	1,028		12,634
Total.....	160,540	20,304	11,318	14,345	1,137		156,318
October—							
Anthracite.....							
Bituminous.....	182,110	4,968	11,643	16,720	936		159,651
Sub-bituminous.....		9,001					9,001
Lignite.....		19,685		3,485	3,115		19,325
Total.....	182,110	33,664	11,643	20,205	4,051		187,977

Table 136.—Summary Statistics for 1930-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				Imported from U.S.A.	Imported from French East Indies	Coal available for consumption
	Output	Received from other provinces	Shipped to other provinces	Exported			
November—							
Bituminous.....	169,530	3,886	9,541	14,646	74	.....	149,303
Sub-bituminous.....		5,885					5,885
Lignite.....		16,586		3,199	3,542	.....	16,929
Total.....	169,530	26,357	9,541	17,845	3,616	.....	172,117
December—							
Anthracite.....	182,578	5,060	13,032	17,311	205	1,120	1,120
Bituminous.....		7,445					187,509
Sub-bituminous.....		15,135		4,125	2,872	.....	7,445
Lignite.....							13,882
Total.....	182,578	27,640	13,032	21,436	3,077	1,120	179,947
Total—							
Anthracite.....							
Bituminous.....	2,083,818	41,597	111,815	218,826	8,879	1,122	1,123
Sub-bituminous.....		51,796					1,893,653
Lignite.....		133,548		29,740	17,910	.....	51,796
Total.....	2,083,818	226,941	111,815	239,566	26,820	1,122	1,987,320

Table 137.—Employees, Salaries and Wages in the Coal Mines of British Columbia by Districts, 1929 and 1930

District	Average number of employees					Salaries and wages		
	Salaried employees		Wage-earners		Total			
	Male	Female	Surface	Under-ground	Salaries	Wages	Total	
1929								
Crow's Nest Pass.....	92	5	420	1,201	1,718	261,961	2,066,477	2,328,438
Inland.....	38	6	195	371	610	76,339	809,546	885,885
Island.....	127	9	770	1,834	2,740	295,902	3,218,366	3,514,268
British Columbia.....	257	20	1,385	3,406	5,068	634,202	6,094,389	6,728,591
1930								
Crow's Nest Pass.....	89	7	328	991	1,415	250,524	1,505,532	1,762,056
Inland.....	28	4	187	354	573	69,685	709,217	778,902
Island.....	121	9	755	1,748	2,633	201,488	2,882,883	3,174,371
British Columbia.....	238	20	1,270	3,093	4,621	617,697	5,097,632	5,715,329

Table 138.—Employment and Earnings in the Coal Mines of British Columbia,
1926-1930

	1926	1927	1928	1929	1930
Average number of wage-earners—					
Surface.....	1,660	1,570	1,573	1,385	1,270
Underground.....	3,435	3,459	3,470	3,406	3,093
Total.....	5,095	5,038	5,043	4,791	4,363
Days' work done—					
Surface.....	474,879	483,705	480,633	395,045	333,856
Underground.....	857,889	916,042	934,476	842,584	877,634
Total.....	1,332,768	1,393,747	1,415,109	1,237,629	1,011,490
Average number of days worked per man per year—					
Surface.....	280	300	308	285	263
Underground.....	249	264	269	247	219
By all wage-earners.....	261	278	281	258	231
Total wages paid.....	\$6,544,118	\$8,919,810	\$6,928,883	\$6,094,289	\$5,097,632
Average wage earned per man per day.....	\$1.91	\$1.94	\$1.89	\$1.92	\$5.04

Table 139.—Wage-Earners Employed, and Work Done by Months in the Coal Mines
of British Columbia in 1930

Month	Number of wage-earners			Days' work done		
	Surface	Under-ground	Total	Surface	Under-ground	Total
January.....	1,401	3,650	5,141	35,710	79,936	115,646
February.....	1,458	3,598	5,056	30,428	63,900	94,337
March.....	1,234	2,982	4,197	27,505	55,452	83,047
April.....	1,242	2,936	4,178	27,029	55,225	82,254
May.....	1,205	2,944	4,149	25,886	49,490	75,376
June.....	1,202	2,951	4,153	27,340	50,628	86,968
July.....	1,231	2,933	4,164	24,361	46,025	70,386
August.....	1,204	3,002	4,206	22,976	45,609	68,585
September.....	1,179	2,854	4,033	25,045	50,836	75,981
October.....	1,211	3,083	4,324	30,368	58,871	89,239
November.....	1,282	3,084	4,366	28,513	55,266	83,779
December.....	1,275	3,112	4,387	28,605	57,287	85,892
Total.....				333,856	677,634	1,011,490

Table 140.—Number of Man-Days Worked by Districts in British Columbia,
1929 and 1930

District	1929			1930		
	Surface	Under-ground	Total	Surface	Under-ground	Total
Crow's Nest Pass.....	97,212	266,279	363,491	66,752	182,087	248,839
Inland.....	58,493	93,292	151,787	55,247	83,859	141,106
Island.....	239,338	483,013	722,351	211,857	409,688	621,545
Total.....	395,045	842,584	1,237,629	333,856	677,634	1,011,490

Table 141.—Wage-Earners in British Columbia Coal Mines, by Classes, 1929 and 1930

Classification	1929			1930		
	Surface	Under-ground	Total	Surface	Under-ground	Total
SURFACE—						
Administration.....	25	2	27	20	1	21
Foremen and clerks.....	109	1	110	105	.....	105
Screenmen and loaders.....	175	.....	175	141	1	142
UNDERGROUND—						
Officials.....	1	148	149	1	146	147
Hand cutters and helpers.....	2	1,432	1,434	.....	1,348	1,348
Machine cutters.....	81	81	81	.....	83	83
Machine loaders and helpers.....	170	170	170	.....	174	174
Horse haulage employees.....	7	381	388	9	321	330
Mechanical haulage employees.....	12	326	338	10	300	310
Ventilation employees.....	1	38	39	1	32	33
Roadmakers.....	2	81	83	2	69	71
Timbermen.....	12	184	196	11	173	184
Pumpmen.....	1	31	32	1	27	28
MISCELLANEOUS—						
Enginemen.....	76	.....	76	76	.....	76
Firemen.....	57	1	58	57	.....	57
Machinists.....	62	6	68	59	2	61
Carpenters and masons.....	90	.....	90	79	.....	79
Other mechanics.....	108	9	117	102	9	111
All other white employees.....	424	330	754	398	248	616
Japanese.....	1	52	53	1	52	53
Chinese.....	220	121	341	180	106	286
Indians.....	.....	12	12	17	1	18
Total.....	1,385	2,406	4,791	1,270	3,093	4,363

Table 142.—Capital Employed in the Coal Mines of British Columbia, 1929 and 1930

	1929	1930
Capital employed as represented by—	\$	\$
Cost of lands, buildings, machinery and tools.....	21,262,840	21,420,210
Cost of supplies and stock on hand.....	663,785	581,531
Cash, trading and operating accounts and bills receivable.....	2,105,100	2,060,884
Total.....	24,031,725	24,062,625

CHAPTER ELEVEN

YUKON

Coal output in the Yukon Territory during 1930 totalled 653 tons. This production was obtained from the Five Finger mine near Carmacks. The disposition of this coal in 1930 was as follows: sold to employees, 10 tons; shipped to other Yukon points, 293 tons; and used at the mine, 50 tons. Imports during the year amounted to 7 tons obtained from the United States.

Table 143.—Output of Coal from Yukon Mines, 1901-1930
(Short tons)

Calendar year	Short tons	Value	Calendar year	Short tons	Value
1901.....	(n)5,864	\$86,230	1917.....	4,872	\$29,232
1902.....	4,910	37,280	1918.....	2,900	11,600
1903.....	1,849	29,581	1919.....	.....	.....
1904.....	.....	.....	1920.....	.....	.....
1905.....	7,000	21,000	1921.....	233	2,472
1906.....	7,000	28,000	1922.....	465	4,650
1907.....	15,000	60,000	1923.....	313	1,485
1908.....	3,847	21,158	1924.....	1,121	8,265
1909.....	7,364	49,502	1925.....	730	7,147
1910.....	16,185	110,025	1926.....	316	800
1911.....	2,840	12,780	1927.....	414	2,052
1912.....	9,245	44,958	1928.....	414	2,915
1913.....	19,722	95,945	1929.....	458	1,818
1914.....	13,443	53,760	1930.....	653	3,110
1915.....	9,724	38,896	Total.....	140,182	778,794
1916.....	3,300	13,200			

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

†Value not reported, but estimated.

*For the years 1919-1930 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, 1929 and 1930
(Short tons)

Disposition	1929					1930				
	Run of mine	Screened	Slack	Total		Run of mine	Screened	Slack	Total	
				Quan- tity	Value				Quan- tity	Value
Supplied to employees for domestic consumption.....	13	13	65			10	10	36		
Shipped (all to Yukon points).....	221	221	1,768			293	293	2,930		
Used under colliery boilers, etc.....	3	3	15			50	50	150		
Put on waste heap.....		221						300		
Total disposition.....	234	3	458	1,848		293	60	653	3,110	

Table 145.—Imports of Coal into Yukon and Exports of Canadian Coal through Yukon Ports, 1926-1930
(Short tons)

—	1926	1927	1928	1929	1930
IMPORTS—					
Dawson.....					
White Horse.....		10	8	40	67
Total.....		10	8	40	67
EXPORTS—					
Dawson.....				1	
White Horse.....				1	
Total.....				1	

Table 146.—Summary Statistics for 1930-Output, Exports, Interprovincial Shipments, Imports and Coal made Available for Consumption in Yukon by Months and by Kinds

(Short tons)

Month	Canadian coal				Imported from U.S.A.	Coal available for consumption
	Output	Received from other provinces	Shipped to other provinces	Exported		
April— Bituminous.....					2	2
May— Bituminous.....						
June— Bituminous.....	163				5	168
July— Bituminous.....	163					163
August— Bituminous.....	163					163
September— Bituminous.....	164					164
October— Bituminous.....						
Total— Bituminous.....	653				7	660

Table 147.—Employment and Earnings in the Coal Mines of Yukon, 1926-1930

—	1926	1927	1928	1929	1930
Average number of wage-earners—					
Surface.....	1	1	1	1	1
Underground.....	1	2	3	2	2
Total.....	2	3	4	3	3
Days' work done—					
Surface.....	56	10	85	102	102
Underground.....	56	154	255	204	204
Total.....	112	164	340	306	306
Average number of days worked per man per year—					
Surface.....	56	10	85	102	102
Underground.....	56	77	85	102	102
By all wage-earners.....	56	55	85	102	102
Total wages paid.....	\$ 600 \$	1,500 \$	1,230 \$	1,200 \$	2,221
Average wage earned per man per day.....	\$ 5.35 \$	9.15 \$	3.77 \$	3.92 \$	7.26

Table 148.—Wage-Earners Employed and Work Done by Months in the Yukon Coal Mines in 1930

Month	Number of employees			Days' work done		
	Surface	Under ground	Total	Surface	Under ground	Total
June.....	1	2	3	25	50	75
July.....	1	2	3	26	52	78
August.....	1	2	3	26	52	78
September.....	1	2	3	25	50	75
Total.....				102	204	306

Table 149.—Capital Employed in the Coal Mines of Yukon, 1929 and 1930

—	1929	1930
\$	\$	\$
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

Preliminary figures record the world production of coal in 1930 at 1,387,339,000 long tons; approximately 9·33 per cent below the 1929 total. Lignite coal production decreased 14·7 per cent in 1930 and accounted for 14 per cent of the world total. Anthracite and bituminous coal output decreased 8·7 per cent.

Great Britain's output was 5·52 per cent lower amounting to 243,681,725 long tons as compared with 257,907,124 long tons produced in 1929. The United States production decreased 12·36 per cent in 1930. Coal shipments from mines in France advanced but the output from the French controlled mines of the Saar area declined slightly. Bituminous and brown coal production in Czechoslovakia and Poland showed a considerable falling off. An advance of 1·73 per cent was recorded in the Belgium coal production. Canadian coal mines reported a 15 per cent decline in output.

Table 150.—World Production of Coal* 1926-1930

(Including brown coal)

(Long tons)

Country	1926	1927	1928	1929	1930
BRITISH EMPIRE					
Great Britain—					
Anthracite.....	2,870,655	6,310,890	5,521,570	6,364,036	
Bituminous (a).....	123,401,800	244,885,446	231,950,361	251,542,760	243,681,725
Lignite.....		502	640	322	
Nigeria (b).....	324,575	357,899	359,316	344,837	926,327
Southern Rhodesia.....	860,338	894,396	1,077,557	1,020,446	12,026,008
Union of South Africa.....	12,745,492	12,381,882	12,407,539	12,812,790	
Canada—					
Bituminous.....	11,065,249	11,613,389	11,580,241	11,481,984	9,665,035
Sub-bituminous.....	437,264	532,281	661,157	567,055	538,712
Lignite.....	3,210,104	3,414,027	3,432,078	3,542,887	3,083,149
British Borneo—					
British North Borneo.....	71,434	62,701	60,779	†	†
Sarawak.....	19,683	16,445	17,679	13,610	†
Federated Malay States.....	464,284	463,001	556,590	661,514	†
India—					
Gondwana Coalfields.....	20,583,202		22,153,314		
Tertiary Coalfields.....	415,965	22,082,336	389,558	23,418,734	20,648,724
Australia—					
Bituminous.....	13,250,000	13,522,960	11,839,780	10,365,319	†
Lignite.....	957,035	1,355,482	1,591,858	1,741,176	†
New Zealand—					
Bituminous.....	1,190,389		1,348,732	1,367,164	†
Brown coal.....	905,825	2,366,740	973,238	1,049,603	†
Lignite.....	137,796		114,783	119,097	†
Total.....	193,000,000	320,000,000	306,000,000	327,000,000	
FOREIGN COUNTRIES					
Austria—					
Bituminous.....	154,824	172,828	198,906	204,735	†
Brown coal.....	2,911,015	3,016,675	3,211,042	3,469,123	†
Belgium—					
Anthracite and semi-anthracite.....	5,247,611	5,899,589	6,035,006	20,506,115	26,965,112
Bituminous.....	19,613,048	21,216,242	21,107,733		
Bulgaria—					
Anthracite.....		2,614	1,183		
Bituminous.....	1,186,713	65,485	67,255	1,643,000	†
Brown coal.....		1,150,000	1,339,298		
Czechoslovakia—					
Bituminous.....	13,953,092	13,794,932	14,330,345	16,485,750	14,338,133
Brown coal.....	18,223,237	19,310,756	20,128,419	21,155,837	19,005,805
France—					
Saar.....	13,464,803	13,391,097	12,899,716	13,364,882	13,175,295
Other districts—					
Anthracite and bituminous.....	50,579,805	50,960,760	50,554,526	52,887,804	53,018,038
Lignite.....	1,044,363	1,050,434	1,046,891	1,168,653	1,124,388
Germany—					
Bituminous.....	143,000,979	151,173,466	148,492,939	160,855,704	140,404,393
Brown coal.....	136,952,867	148,126,913	163,598,878	172,411,240	143,668,764
Greece—					
Brown coal.....	150,809	141,082	118,734	†	†

Table 150.—World Production of Coal* 1926-1930—Concluded

(Including brown coal)

(Long tons)

Country	1926	1927	1928	1929	1930
Hungary—					
Bituminous.....	813,846	773,447	770,908	813,220	†
Brown coal.....	5,561,158	5,983,940	6,240,930	6,650,925	5,922,266
Lignite.....	189,183	160,839	164,838	272,765	
Italy—					
Anthracite.....	15,460	16,573	10,321		
Bituminous.....	190,495	149,293	115,590	945,000	†
Brown coal.....	1,162,684	898,047	686,024		
Jugoslavia—					
Bituminous.....	187,800	283,184	351,826	435,131	†
Brown coal.....	2,965,800	3,433,470	3,608,130	4,326,603	†
Lignite.....	921,754	954,580	1,012,136	1,036,945	†
Netherlands—					
Bituminous.....	8,471,616	9,175,868	10,747,587	11,398,293	12,014,391
Brown coal.....	207,858	198,201	193,589	154,095	†
Poland—					
Bituminous.....	35,182,768	37,482,601	39,974,905	45,685,654	38,970,669
Brown coal.....	74,825	77,225	72,398		
Portugal—					
Anthracite.....	197,353	174,520	195,705	175,864	†
Bituminous.....		1,300	2,460	18,098	†
Brown coal.....	34,306	25,307	26,031	28,880	†
Rumania—					
Bituminous.....	317,102	367,550	391,285	365,088	†
Brown coal.....	2,688,224	2,804,999	2,588,144	2,632,831	†
Russia—					
Anthracite.....	5,279,743				
Bituminous—					
European.....	15,009,393	32,026,639	34,657,125	38,084,000	39,270,554
Asiatic.....	2,830,323				
Brown coal.....	2,266,761				
Spain—					
Anthracite.....	396,404	423,106	383,243	532,705	
Bituminous.....	8,036,304	8,036,177	5,885,667	6,340,006	7,007,558
Brown coal.....	393,515	422,817	415,831	395,695	369,957
Spitsbergen and Bear Island	(e)	286,531	314,380	280,418	†
Sweden.....	377,613	392,007	352,851	388,737	†
Algeria.....	13,514	20,932	16,368	15,873	†
Belgian Congo.....	88,800	86,000	88,000	112,642	†
Greenland.....	1,500	2,900	2,500	†	
Mexico.....	1,288,462	1,015,020	999,787	1,043,277	†
United States—					
Anthracite.....	75,390,582	71,513,896	67,275,062	65,918,031	62,305,304
Bituminous (e).....	511,934,807	482,288,707	447,093,723	475,314,000	412,051,545
Brazil.....	400,000	231,294	246,327	†	
Chile.....	1,466,968	1,458,113	1,353,890	1,482,661	†
Peru.....	168,063	159,806	175,675	†	
Venezuela.....	15,676	15,830	15,660	16,593	†
China (d).....	22,000,000	23,000,000	20,000,000	†	
Dutch East Indies.....	1,443,200	1,591,816	1,676,472	1,583,000	†
Formosa.....	1,766,169	1,772,005	1,513,000	†	†
French Indo-China—					
Anthracite.....	1,226,943	1,422,083	1,883,400	1,883,400	†
Bituminous.....	37,428	38,041	39,826	38,200	†
Brown coal.....	5,510	7,038	15,228	30,300	†
Japan—					
Semi-Anthracite.....	128,322				
Bituminous.....	30,801,888	33,176,820	33,445,403	31,451,000	35,421,426
Brown coal.....	158,580				
Karafuto.....	271,463	351,407	530,961		
Korea.....	672,111	698,371	772,933	923,089	†
Philippine Islands.....	47,012	23,040	27,417	†	
Turkey in Asia (g).....	1,215,095	892,310	912,646	1,406,415	†
New Caledonia.....	15,000	(a)	16,000	†	
Total.....	1,150,000,000	1,130,000,000	1,130,000,000	1,200,000,000	.....
Total.....	1,343,000,000	1,450,000,000	1,440,000,000	1,530,000,000	1,387,339,000

* Data for 1926-29 obtained from *The Mineral Industry of the British Empire and Foreign Countries*; data for 1930 from a preliminary report on coal issued by the *United States Bureau of Mines*, Washington, D.C.

† Estimate of production included in total.

(a) Information not available.

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

(c) Including brown coal.

(d) Approximate production.

(e) Exports.

APPENDIX ONE

LEGISLATION PROVIDING ASSISTANCE FOR THE MARKETING OF CANADIAN COAL

TEST MOVEMENTS OF ALBERTA COAL TO DETERMINE TRANSPORTATION COST, 1928-29-30*

In view of the importance of the question of encouraging an all-Canadian coal movement, and of the difference of view expressed in the minority report of the Board of Railway Commissioners in their finding of the out-of-pocket cost of transporting Alberta coal to Ontario, the Federal Government, by Order in Council P.C. 439, dated March 16, 1928, provided for further test movements with a view to arriving at what would appear to be a reasonable freight rate a ton for this traffic. The test movement is to be undertaken under the following conditions namely:

- (a) That a temporary rate of \$6.75 per ton be established to be effective for not less than three months in each year during the period of the test movement.
- (b) That the cost of the movement under consideration be supervised by the Board of Railway Commissioners of Canada.
- (c) That the cost of the movement be carefully checked by representatives selected by both the coal interests and the railways.
- (d) That a detailed report of the representatives checking the cost of this movement shall be furnished the Board of Railway Commissioners for their consideration and that the full Board of Railway Commissioners, after hearing the parties interested, will determine from the evidence submitted to them what is a reasonable rate per ton, having in mind all the factors which in the national interest, may properly be taken into consideration.
- (e) That as the movement is a seasonal one and for a short period in each year, it is desirable that the test should extend for a period of three years in order that the Board of Railway Commissioners may have conclusive evidence of costs before them to enable them to give judgment.
- (f) That at the end of each seasonal movement and pending a final decision, the Board of Railway Commissioners be authorized—to name what amount, if any, over and above the rate of \$6.75 per ton the Board estimates to be due the railways in the light of the information secured during the season, and to certify to the Minister of Mines the total sums of money due to each Railway Company in connection therewith."

TEST MOVEMENTS OF NOVA SCOTIA AND NEW BRUNSWICK COAL TO DETERMINE TRANSPORTATION COSTS, 1928-29-30

By Order in Council P.C. 539 dated March 30, 1928, the Federal Government authorized test movements of Nova Scotia and New Brunswick coal, during a period of three years, to points in Quebec and Ontario, for a purpose similar to the experiment inaugurated with respect to Alberta coal.

The Order in Council provides for assistance toward two types of test movement, namely:

(A) Transportation of coal wholly by rail during the season when navigation of St. Lawrence river is closed.

(B) Rail transportation inland from St. Lawrence ports of water-borne coal.

In the all-rail test movement, maximum temporary rates, during the period mentioned, on coal mined in Nova Scotia and in New Brunswick, and carried to points in the province of Quebec, are to be \$3 a ton and \$2.10 a ton, respectively.

In the test movement of water-borne coal, it is provided that coal mined in Eastern Canada and carried by vessel to St. Lawrence ports and thence trans-shipped by the railways to points in the provinces of Quebec and Ontario where United States coals compete, be carried from the point of trans-shipment at a temporary rate of one-fifth of a cent a ton a mile less than the rate which would otherwise be applicable. This reduction, however, not to exceed 75 cents a ton.

In both instances the cost of the movement will be supervised by the Board of Railway Commissioners of Canada, and will be carefully checked by representatives selected both by the coal interests and the railways. After receiving the reports of the representatives checking the cost and hearing the parties interested, the Board of Railway Commissioners are requested to determine from the evidence submitted what, in their opinion, is a reasonable rate a ton, having in mind all the factors which in the national interest may properly be taken into consideration.

Pending a final decision, the Board of Railway Commissioners are authorized to name what amount, if any, over and above the rates a ton specified in regard to the all-rail movement are estimated to be due the railways, and to certify to the Minister of Mines the total sums of money due to each railway company. In regard to water-borne coal the payment to the railways pending a final decision, is to be the difference between the rate received by the railways under the provisions of the Order in Council and the rate otherwise applicable, such payments to be made by the Dominion Fuel Board upon authorization by the Minister of Mines.

*Test movements under P.C. 439 terminated on March 15, 1931, but Order in Council P.C. 1268 extended the provisions for a further period of one year.

ASSISTANCE PROVIDED FOR THE MOVEMENT OF SASKATCHEWAN BRIQUETTES TO MANITOBA, P. C. 1256

The Committee of the Privy Council have had before them a report, dated 31st May, 1930, from the Minister of Mines, stating that the Government has been interested in the question of the utilization of lignitic coals for domestic use by carbonizing and briquetting. Situated in the Province of Saskatchewan are large reserves of lignite which in their natural raw state cannot be marketed for widespread domestic use because of physical and chemical disadvantages.

A technical process has demonstrated the commercial feasibility of producing a carbonized lignite briquette, and commercial interests have established a carbonizing and briquetting industry in Saskatchewan. The largest potential market for this processed fuel appears to lie in the Province of Manitoba, where in certain sections fuels imported from foreign sources have at the present time an advantage in competition with Canadian fuels.

In order, therefore, to assist in encouraging the use of Canadian fuel in these competitive areas and realizing that the accomplishment depends largely on the question of freight rates, the Minister recommends that an assisted movement be instituted of carbonized briquettes produced in the Province of Saskatchewan and shipped to points in the Province of Manitoba; That the assistance be granted by a reduction of one-fifth of a cent per ton per mile from the rates in effect at the date of approval hereof, but that the reduction be in no instance greater than 50c per ton, the amount of the said reduction being payable to the railways with a view to protecting them from any loss that may be incurred; and that the following conditions apply to such assisted movements, namely:—

- (a) That the temporary rate be applicable to briquettes only when used for domestic and industrial purposes and not for use on railway locomotives or when used in Government institutions;
- (b) That the temporary rate be not applicable to movements of briquettes to points where, in the opinion of the Minister of Mines, Canadian briquettes already have the advantage in competition with other fuels;
- (c) That the temporary rate shall apply for one year as from June 1st, 1930, to May 31st, 1931.
- (d) The Minister of Mines reserves the right of granting approval in each and every application submitted for assistance under this authority.

The Minister further recommends that with a view to protecting the railways from loss during the period above mentioned assisted movement payments made under this authority be chargeable to Vote No. 418—"To provide for payments to the railways in connection with the movements of coal."

The Dominion Fuel Board being charged with the administrative duties connected with this movement shall report to the Minister of Mines as to the amount paid the railways during the period of the movement.

ASSISTANCE PROVIDED FOR THE MOVEMENT OF SASKATCHEWAN LIGNITE TO MANITOBA, P. C. 1399

The Committee of the Privy Council have had before them a Report, dated 13th June, 1930, from the Minister of Mines, submitting that situated in the Province of Saskatchewan are large reserves of lignitic coals which on account of physical and chemical disadvantages have had limited utilization for the generation of steam or other power in industrial plants. In recent years certain boiler equipment has been designed which is adaptable to the use of these coals and has been demonstrated in practice to burn them efficiently.

In certain areas of the Province of Manitoba the major portion of the coals used in industrial plants are imported from sources outside of Canada, and this potential market for Canadian coals is contiguous to the lignite mines of Saskatchewan.

In order, therefore, to assist in encouraging the use of Canadian fuel in these competitive areas and realizing that the accomplishment depends largely on the question of freight rates, the Minister of Mines recommends that a temporary rate of fifty cents per ton less than the freight rate in effect at the date hereof be established for the railway movement of lignite produced in Saskatchewan and shipped to competitive points in the Province of Manitoba, the amount of the said reduction being payable to the railways with a view to protecting them from any loss that may be incurred; and that the following conditions apply to such assisted movements, namely:—

- (a) That the temporary rate be applicable to lignite only when used for industrial purposes and not for use on railway locomotives or when used in Government institutions or when used for domestic heating purposes;
- (b) That the temporary rate be not applicable to movements of lignite to points where, in the opinion of the Minister of Mines, Canadian lignite already has the advantage in competition with other fuels;
- (c) That the temporary rate shall apply for one year as from June 1st, 1930, to May 31st, 1931;
- (d) The Minister of Mines reserves the right of granting approval in each and every application submitted for assistance under this authority.

The Minister further recommends that with a view to protecting the railways from loss during the period of the above mentioned assisted movement payments made under this authority be chargeable to Vote No. 418—"To provide for payments to the railways in connection with the movements of coal."

The Dominion Fuel Board is charged with the administrative duties connected with this movement and shall report to the Minister of Mines as to the amount paid the railways during the period of the movement.

ASSISTANCE PROVIDED FOR THE MOVEMENT OF COAL FROM CROWS NEST PASS, BRITISH COLUMBIA AND FROM ALBERTA TO MANITOBA, P. C. 1400

The Committee of the Privy Council have had before them a Report, dated 13th June, 1930, from the Minister of Mines, submitting that the Government, appreciating the importance of an interprovincial coal movement and the extension of markets for Canadian coal and being aware of the fact that the accomplishment of these objects hinges largely on the question of freight rates, has on different occasions facilitated trial shipments by the granting of financial assistance. These trial shipments have proved to be successful in Eastern Canada and have demonstrated to a reasonable extent the possibility of extending the markets for Canadian coals at competitive points in Canada where under the regular railway freight rates Canadian coals cannot compete with coals imported from foreign sources.

There is considerable public demand throughout Western Canada for the establishment of a coal movement which would enable Western Canadian bituminous coals to compete to a greater extent in the Province of Manitoba with foreign coals.

The Minister of Mines, therefore recommends that assisted movements be instituted of shipments of coal mined in the Crowsnest Pass district of British Columbia, and in the Province of Alberta, and shipped to points in the Province of Manitoba; that the assistance be granted by the reduction of one-eighth of a cent per ton per mile from the rates in effect at the date hereof, the amount of the said reduction being payable to the railways with a view to protecting them from any loss that may be incurred; and that the following conditions apply to such movements, namely:—

- (a) That the temporary rate be applicable to coal only when used for industrial purposes and not for use on railway locomotives or for domestic use;
- (b) That the temporary rate be not applicable to movements of coal to points where in the opinion of the Minister of Mines Canadian coal already has the advantage in competition with American coal;
- (c) That the temporary rate shall apply from June 1st, 1930, to May 31st, 1931;
- (d) That payments under this authority shall not be granted on contracts made prior to June 1st, 1930;
- (e) That the Minister of Mines reserves the right of granting approval in each and every application for assistance under this authority.

The Minister further recommends:—

- (1) That with a view to protecting the railways from loss during the period of the above mentioned assisted movement payments made under this authority be chargeable to Vote No. 418—"To provide for payments to the railways in connection with the movements of coal".
- (2) That the Dominion Fuel Board be charged with the administrative duties connected with this movement and shall report to the Minister of Mines as to the amount paid the railways during the period of the movement.
- (3) That Order in Council of June 5th, 1930 (P.C. 1257) be hereby cancelled.

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