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

COAL STATISTICS FOR CANADA

FOR THE CALENDAR YEAR

1929

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NOTES ON STATISTICS OF PRODUCTION

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

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

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

Manufactures of—

(1) **Vegetable Products,** including—Coffee and Spices; Cocoa and Chocolate; Preserved and Canned Products; Pickles, Vinegar and Cider; Flour and Cereals; Bread and other Bakery Products; Macaroni and Vermicelli; Distilled and Brewed Liquors and Wines; Rubber Products; Starch and Glucose; Sugar; Tobacco Products; Linseed Oil and Oil Cake.

(2) **Animal Products**, including—Fish and Fish Products; Dairy Factory Products; Meat and Meat Products; Leather and Leather Products; Furs and Fur Products.

(3) **Textiles and Textile Products,** including—Cotton Textiles (Cloth, Yarn, Thread and Waste); Woollen Textiles (Cloth, Yarn, Blankets, Felt and Waste); Silk Products; Factory-Made Clothing; Carpets, Rugs and Mats; Cordage, Rope and Twine.

(4) **Wood and Paper,** including—Pulp and Paper Mill Products; Paper Goods; Printing, Publishing and Lithographing; Saw and Planing Mill Products; Furniture; Carriages, Wagons and Sleighs; Wooden Containers; Woodenware; Turned Wood Products; and the Output of Similar Wood-Using Industries.

(5) **Iron and Steel and Their Products,** including—Pig Iron and Ferro-Alloys; Steel and Rolled Products; Castings and Forgings; Boilers, Tanks and Engines; Agricultural Implements; Machinery; Automobiles; Auto Parts and Accessories; Bicycles; Railway Rolling Stock; Wire and Wire Goods; Sheet Metal Products; Hardware and Tools; Miscellaneous Iron and Steel Products.

(6) **Manufactures of Non-Ferrous Metal Products,** including—Aluminium and Aluminium Ware; Brass and Copper Products; Lead, Tin and Zinc Products; Precious Metal Products; Electrical Apparatus and Supplies; Miscellaneous Non-Ferrous Metal Products.

(7) **Manufactures of 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 and its Products; Acids, Alkalies, Salts and Compressed Gases; Explosives, Ammunition, Fireworks and Matches; Fertilizers; Medicinal and Pharmaceutical Preparations; Paints, Pigments and Varnishes; Soaps, Washing Compounds and Toilet Preparations; Inks, Dyes, and Colours; Wood Distillates and Extracts; Miscellaneous Chemical Products including (a) Adhesives, (b) Baking Powder, (c) Boiler Compounds, (d) Celluloid Products, (e) Flavouring Extracts, (f) Insecticides, (g) Polishes and Dressings, (h) Sweeping Compounds, (i) Chemical Products n.e.s.

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

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

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

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

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

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

(5) **House Furnishings.**

(6) **Books and Stationery.**

(7) **Vehicles and Vessels.**

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

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

(10) **Miscellaneous.**

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STATISTICS ON COAL AS COMPILED IN THE DOMINION BUREAU OF STATISTICS

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

(1) Coal Mine Statistics

The Mining, Metallurgical and Chemical Branch of the Bureau obtains a monthly statement from each coal mine in Canada, showing the output and distribution of coal by grades. The distribution statistics referred to, differentiate the amounts (a) supplied to colliery employees, (b) used for power, (c) supplied to railroads, (d) supplied for ships' bunkers, (e) put on bank, and (f) shipped for commercial consumption. The destinations of all shipments from the mines are shown by provinces. Numbers 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.

PREFACE

Coal production in Canada during 1929 was slightly lower than in the preceding year but was nearly 12 per cent higher than the average for the past five years. The provinces of Nova Scotia, New Brunswick and Saskatchewan all reported increases in output; Alberta's production was 2·5 per cent under 1928. The decrease in British Columbia was 11·2 per cent, caused to a large extent by the extended use of fuel oil and by the development of hydro-electric energy in that province.

Production during 1929 was 17,496,557 short tons; imports totalled 18,619,300 tons; exports reached 842,972 tons; thus giving an apparent consumption during the year of 35,272,885 tons as compared with 34,414,648 tons in 1928.

The Federal Government assistance to test movements of Canadian coal to consuming points within the Dominion, which was authorized by legislation in 1928, was continued during 1929. This assistance provided a wider range of distribution for Canadian coals in the central provinces than at any previous time.

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 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 8, 1930.

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DOMINION BUREAU OF STATISTICS

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COAL STATISTICS FOR CANADA

FOR THE CALENDAR YEAR 1929

CHAPTER ONE

CANADA

Canada's coal output of 17,496,557 tons in 1929 has only been exceeded by the record production of 1928. The current year's output was 0·4 per cent lower than the 1928 total but 11·8 per cent higher than the average for the past five years. An increase of 4·6 per cent was recorded in the Nova Scotia output, 5·3 per cent in New Brunswick; and 23·0 per cent in Saskatchewan. Alberta's production was 2·5 per cent lower than the high mark for the province of 7,336,330 tons which was set up in 1928. British Columbia's output of 2,490,378 tons showed a decrease of 11·2 per cent.

Nova Scotia, New Brunswick, British Columbia, and the Yukon produce only bituminous coal; Saskatchewan mines yield lignite only; Alberta produces bituminous, sub-bituminous and lignite, and formerly also mined some anthracite but the only anthracite mine has been closed down since 1923.

Railroads in Canada consumed 5·2 million tons of Canadian coal in 1929; this tonnage represented 32·9 per cent of the total shipments from the mines. Quebec provided the largest market for Canadian coal during 1929. Exclusive of coal for the use of railroads, 2,372,541 tons of Canadian coal were shipped to Quebec points.

Lack of orders, mine disability, car shortage, absenteeism and other miscellaneous causes were responsible for the loss in output of 5,076,019 tons by the Canadian coal mines operating in 1929. It is also estimated that labour disputes at the coal mines in 1929, involving 3,045 men with a consequent loss in working time of 15,805 man-days, were the cause of a further loss of 38,880 tons.

Exports of Canadian coal in 1929 amounted to 842,972 tons, a decrease of 2·43 per cent from the 1928 total of 863,941 tons. Coal cleared through Nova Scotia and British Columbia ports accounted for 96 per cent of the Canadian exports. The United States and Newfoundland provided the principal markets for Canada's external shipments of coal.

The imports of anthracite, bituminous and lignite coal into Canada in 1929 were recorded at 18,619,300 tons as compared with 17,714,296 tons in the preceding year. Receipts from Great Britain consisted of 729,458 tons of anthracite and 115,368 tons of bituminous, making a total of 844,826 tons, an increase of 25·98 per cent over the 1928 imports of 670,612 tons. The principal supply of coal imported into Canada came from the United States, this tonnage was made up of 14,469,831 tons of bituminous, 3,173,043 tons of anthracite and 14,108 tons of lignite.

Shipments of anthracite coal from Russia to Canadian points commenced in December, 1928, and during the calendar year 1929, the tonnage received assumed important proportions amounting to 117,304 tons. Small quantities of coal were also received from Newfoundland and Japan.

The coal mining industry furnished employment to 29,739 employees during 1929. In eastern Canada steady employment was afforded the 13,929 men working in or about the coal mines; in western Canada the usual summer seasonal decline was apparent. Salaries and wages paid in this industry amounted to $42,376,378 as against $43,320,811 in 1928. There were 28,227 wage-earners working in the coal mines of Canada in 1929; of these 6,323 worked on the surface and 21,904 underground. An average of 275 days' work was furnished surface men while underground men worked 246 days.

Records for the industry show 7,117,692 man-days work done during the year and from this total it has been computed that the average daily earning power per man was $5.49. Calculated on the same basis, the average in 1928 was $5.57 and in 1927 it was $5.03.

Capital employed by the companies operating in the coal mining industry in Canada in 1929 was $141,766,727. The value of fuel used in the operation of Canadian coal mines in 1929 was $3,087,105 and consisted principally of bituminous, sub-bituminous and lignite coal, although small quantities of gasoline, kerosene and wood were also used. Electricity purchased amounted to 40,326,458 k.w.h. valued at $570,250, in addition to which 108,944,704 k.w.h. were generated by the operating companies for their own use. A further quantity of 6,554,222 k.w.h. was produced and sold for use apart from coal mining operations.

Canadian domestic and industrial consumers used large quantities of coke, manufactured and natural gas, fuel oil and electricity, in addition to the 35·27 million tons of coal consumed in 1929. Coke manufactured in 1929 amounted to 2,712,337 tons; sales totalled 1,183,762 tons; exports were 25,208 tons, while imports of coke were recorded at 1,226,853 tons. Coke made available for consumption during the year was 3,913,982 tons. The coal equivalent of the coke imported was 1,887,464 tons. Canadian coal used at the collieries for the manufacture of coke amounted to 115,482 tons in 1929.

Manufactured gas is used extensively for household purposes and in 1929 the sales of gas in Canada totalled 17,638,942 thousand cubic feet.

Natural gas consumed for domestic purposes amounted to approximately 16,000,000 thousand cubic feet; industrial users utilized 12,000,000 thousand cubic feet. It is calculated that the domestic consumption was sufficient to displace 640,000 tons of coal.

The Canadian consumption of fuel oil for industrial and domestic purposes continues to increase. In 1929 the total quantity of fuel oil available for consumption in Canada was 514,567,878 gallons as compared with 435,327,021 gallons in the preceding year. The Dominion Fuel Board survey of domestic fuel consumption in 1928 showed a total distribution of 34,263,000 gallons of fuel oil for domestic heating in the Canadian acute fuel area, Ontario and Quebec. This quantity indicates a possible coal displacement of 273,000 tons.

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

("000" omitted)

Province	Actual reserve		Probable reserve		Total metric tons
	Calculation based on actual thickness and extent		Approximate estimate		
	Area Square miles	Metric tons	Area Square miles	Metric tons	
Canada—					
Nova Scotia	174·31	2,188,151	346·5	7,530,817	9,718,968
New Brunswick	.....	.....	121·0	151,000	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	386,392,800	56,578·0	686,254,600	1,072,647,400
British Columbia	439·0	23,831,242	5,606·0	52,203,700	76,034,942
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	6,000,000	6,000,000
Total	**26,219·31**	†414,804,193	**84,949·5**	**819,465,117**	†1,234,269,310
The World—					
Oceania					170,410,000
Asia					1,279,586,000
Africa					57,839,000
America					5,105,528,000
Europe					784,190,000
Total					7,397,553,000

*From The Coal Resources of the World published by the Twelfth International Geological Congress, 1913.
†In this total 20,000,000 tons have been deducted for the amount of coal extracted in Alberta to 1911.

Table 2.—Output of Coal from Canadian Mines, 1785-1929

Year	Short tons	Value	Average per ton	Year	Short tons	Value	Average per ton
		$	$			$	$
1785–1866	2,863,826	4,905,462	1·71	1898	4,173,108	8,224,288	1·97
1867	631,320	1,056,725	1·67	1899	4,925,051	10,283,497	2·09
1868	623,392	1,073,061	1·72	1900	5,777,319	13,742,178	2·38
1869	687,825	1,155,282	1·68	1901	6,486,325	12,699,243	1·96
1870	752,035	1,243,139	1·65	1902	7,466,681	15,210,877	2·04
1871				1903	7,960,304	15,942,833	2·00
1872	3,033,152	5,073,331	1·67	1904	8,254,595	16,592,231	2·01
1873				1905	8,667,948	17,520,263	2·02
1874	1,063,742	1,763,423	1·66	1906	9,762,601	19,732,019	2·02
1875	1,039,974	1,747,016	1·68	1907	10,511,426	24,381,842	2·32
1876	901,762	1,729,546	1·74	1908	10,886,311	25,194,573	2·31
1877	1,036,670	1,794,415	1·73	1909	10,501,475	24,781,236	2·36
1878	1,089,744	1,941,285	1·78	1910	12,909,152	30,909,779	2·39
1879	1,126,497	2,050,630	1·82	1911	11,323,388	26,467,046	2·34
1880	1,482,714	2,657,194	1·79	1912	14,512,829	36,019,044	2·48
1881	1,537,106	2,688,821	1·75	1913	15,012,178	37,334,940	2·49
1882	1,848,148	3,248,446	1·76	1914	13,637,529	33,471,801	2·45
1883	1,818,684	3,100,635	1·71	1915	13,267,023	32,111,182	2·42
1884	1,984,959	3,593,831	1·81	1916	14,483,395	38,817,481	2·68
1885	1,920,977	3,417,807	1·78	1917	14,046,759	43,199,831	3·08
1886	2,116,653	3,739,840	1·77	1918	14,977,926	55,192,896	3·68
1887	2,429,330	4,388,206	1·81	1919*	13,919,006	55,622,670	3·99
1888	2,602,552	4,674,140	1·80	1920*	16,946,764	82,496,538	4·86
1889	2,658,303	4,894,287	1·84	1921*	15,057,493	72,451,656	4·81
1890	3,084,682	5,676,247	1·84	1922*	15,157,431	65,518,497	4·32
1891	3,577,749	7,019,425	1·96	1923*	16,999,571	72,058,986	4·24
1892	3,287,745	6,363,757	1·94	1924*	13,638,197	53,593,988	3·93
1893	3,783,499	7,359,080	1·95	1925*	13,134,968	49,261,951	3·75
1894	3,847,070	7,429,468	1·93	1926*	16,478,131	59,875,094	3·63
1895	3,478,344	6,739,153	1·94	1927*	17,426,861	61,867,463	3·55
1896	3,745,716	7,226,462	1·93	1928*	17,564,293	63,757,833	3·06
1897	3,786,107	7,303,597	1·93	1929*	17,496,557	63,065,170	3·60
				Total	457,287,622	1,354,462,246	

*For the years 1919-1929 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, 1918-1929

Calendar year	Anthracite		Bituminous		Sub-Bituminous*		Lignite		Total	
	Short tons	Value	Short tons	Value	Short tons	Value	Short tons	Value	Short tons	Value
		$		$		$		$		$
1918	115,405	.....	11,636,190	.....	.....	.....	3,226,331	.....	14,977,926	55,192,896
1919	85,579	.....	10,892,046	.....	.....	.....	2,941,471	.....	13,919,006	55,622,670
1920	127,513	.....	13,122,924	.....	.....	.....	3,696,327	.....	16,946,764	82,496,538
1921	96,904	330,699	11,680,477	58,848,444	.....	.....	3,280,052	13,272,513	15,057,493	72,451,656
1922	40,417	122,538	11,630,488	53,348,507	.....	.....	3,486,526	12,047,452	15,157,431	65,518,497
1923	107	322	12,941,877	58,478,670	466,492	1,399,424	3,582,095	12,180,570	16,999,571	72,058,986
1924	.....	.....	9,483,732	40,662,894	590,168	1,761,086	3,564,297	11,170,008	13,638,197	53,593,988
1925	.....	.....	8,939,607	36,793,501	570,654	1,731,267	3,624,707	10,737,183	13,134,968	49,261,951
1926	.....	.....	12,393,079	48,153,572	489,736	1,458,116	3,595,316	10,263,406	16,478,131	59,875,094
1927	.....	.....	13,006,996	49,385,818	596,155	1,784,973	3,823,710	10,696,672	17,426,861	61,867,463
1928	.....	.....	12,971,744	50,584,108	740,496	2,076,212	3,852,053	11,097,513	17,564,293	63,757,833
1929	.....	.....	12,859,822	49,995,261	668,702	1,908,954	3,968,033	11,160,955	17,496,557	63,065,170

*Not separately reported prior to 1923.

Table 4.—Output and Value of Coal in Canada by Kinds and by Provinces, 1928 and 1929

(Short tons)

Province	1928			1929		
	Number of mines	Quantity	Value	Number of mines	Quantity	Value
			$			$
Nova Scotia (Bituminous)	40	6,743,504	27,427,556	36	7,056,133	28,071,956
New Brunswick (Bituminous)	15	207,738	869,104	11	218,706	909,169
Saskatchewan (Lignite))	58	471,713	831,491	58	580,189	993,226
Alberta—						
Bituminous	19	3,215,494	11,190,180	17	3,094,147	10,851,499
Sub-bituminous	20	740,496	2,076,212	19	668,702	1,908,954
Lignite	240	3,380,340	10,266,022	245	3,387,844	10,167,729
Total	279	7,336,330	23,532,414	281	7,150,693	22,928,182
British Columbia (Bituminous)	34	2,804,594	11,094,353	26	2,490,378	10,160,789
Yukon (Bituminous)	1	414	2,915	1	458	1,848
Canada—						
Bituminous	109	12,971,744	50,584,108	91	12,859,822	49,995,261
Sub-bituminous	20	740,496	2,076,212	19	668,702	1,908,954
Lignite	298	3,852,053	11,097,513	303	3,968,033	11,160,955
Total	**427**	**17,564,293**	**63,757,833**	**413**	**17,496,557**	**63,065,170**

Table 5.—Output of Coal from Canadian Mines by Months, 1925-1929

(Short tons)

Month	1925	1926	1927	1928	1929
January	1,492,160	1,230,878	1,570,480	1,697,565	1,585,072
February	1,149,759	1,076,457	1,384,131	1,406,341	1,649,960
March	787,877	1,070,824	1,407,753	1,404,401	1,387,696
April	557,225	995,622	1,315,255	1,146,311	1,395,817
May	669,841	1,136,675	1,306,173	1,264,127	1,404,861
June	737,767	1,393,187	1,444,251	1,359,941	1,360,774
July	748,359	1,350,330	1,230,652	1,341,091	1,316,153
August	997,710	1,340,816	1,318,069	1,552,191	1,362,106
September	1,196,487	1,413,721	1,341,765	1,413,523	1,410,020
October	1,572,295	1,711,772	1,480,097	1,742,530	1,528,659
November	1,064,674	1,834,267	1,756,556	1,722,304	1,534,386
December	1,560,814	1,923,582	1,871,769	1,522,968	1,490,993
Total	**13,134,968**	**16,478,131**	**17,426,861**	**17,564,293**	**17,496,557**

Table 6.—Tonnage Lost in the Coal Mines of Canada in 1928 and 1929 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	1928	75	25	4·8	16·0	0·0	2·8	1·4
	1929	81	19	3·8	7·3	0·0	6·5	1·4
New Brunswick	1928	88	12	0·6	6·5	0·0	0·1	4·8
	1929	79	21	0·1	9·0	0·0	0·1	11·8
Saskatchewan	1928	57	43	7·7	33·5	0·3	0·1	1·4
	1929	68	32	0·0	31·0	0·0	0·0	1·0
Alberta	1928	79	21	0·8	15·3	1·9	0·7	2·3
	1929	74	26	0·6	21·0	1·6	0·7	2·1
British Columbia	1928	88	12	1·5	8·2	1·3	0·1	0·9
	1929	81	19	0·8	15·2	1·6	0·4	1·0
Canada	**1928**	**78**	**22**	**2·7**	**15·1**	**1·0**	**1·4**	**1·8**
	1929	**78**	**22**	**1·8**	**15·0**	**0·8**	**2·8**	**1·6**

Table 7.—Tonnage Lost in the Coal Mines of Canada Showing by Months the Relative Percentage Produced and Lost with an Analysis of the Percentage Lost in 1929

Month	Per cent produced	Per cent lost	Percentage lost through				
			Absenteeism	Lack of orders	Car shortage	Mine disability	Other causes
January	77	23	2·5	13·9	3·4	1·4	1·8
February	82	18	1·6	11·9	1·4	1·8	1·3
March	72	28	1·5	22·2	0·5	1·7	2·1
April	75	25	2·5	18·4	0·4	2·1	1·6
May	81	19	2·7	12·4	0·2	1·3	2·4
June	83	17	1·1	11·4	0·2	2·0	2·3
July	78	22	2·9	15·8	0·3	1·4	1·6
August	78	22	2·5	14·8	1·6	1·5	1·6
September	82	18	2·3	11·9	1·4	1·3	1·1
October	77	23	1·2	14·5	0·2	5·7	1·4
November	75	25	1·0	17·7	0·3	4·7	1·3
December	71	29	1·2	15·9	0·4	8·8	2·7
Total	**78**	**22**	**1·8**	**15·0**	**0·8**	**2·8**	**1·6**

Table 8.—Disposition of Coal from Canadian Mines, 1928 and 1929

—	1928			1929		
	Total coal	Total value	Average value per ton	Total coal	Total value	Average value per ton
		$	$		$	$
Supplied to employees for domestic consumption	191,996	643,710	3·35	204,581	707,280	3·46
Used for power purposes—						
(a) Shops	93,911	340,215	3·62	108,509	392,114	3·61
(b) Colliery boilers	844,846	2,574,641	3·05	705,663	2,379,147	2·99
(c) Companies' railroads	73,479	288,902	3·93	75,704	300,144	3·96
(d) Harbour tugs and dredges	1,432	5,761	4·02	724	2,966	4·10
Shipped. (See Table 10)—						
(a) Ships' bunkers	543,223			305,422		
(b) Railroads	5,296,510	59,364,965	3·71	5,210,989	58,272,666	3·08
(c) Other	10,179,749			10,247,724		
Used in making coke at colliery	103,719	368,204	3·55	115,482	409,960	3·55
Used in making briquettes	22,883	85,808	3·75	105,635	194,639	1·84
Put on bank	727,519	2,817,034	3·87	1,006,497	3,806,745	3·78
Put on waste heap	299,104	.....	.....	235,284	.....	.....
Total disposition	**18,378,371**	**66,489,242**	**3·62**	**18,472,214**	**66,465,661**	**3·60**
Lifted from bank	814,078	2,731,407	3·36	975,657	3,400,491	3·49
Total output	**17,564,293**	**63,757,833**	**3·62**	**17,496,557**	**63,065,170**	**3·60**

Table 9.—Disposition of Coal from Canadian Mines by Provinces, 1929

(Short tons)

—	Nova Scotia	New Brunswick	Saskatchewan	Alberta	British Columbia	Yukon	Canada
Supplied to employees for domestic consumption	129,840	3,400	3,779	45,490	22,059	13	204,581
Coal shipped. (See Table 10)	6,363,984	267,904	459,302	6,713,906	2,078,818	221	15,824,135
Used under colliery boilers, etc	365,492	6,294	32,106	244,139	147,635	3	795,663
Used by companies' railroads	48,424	1,102	4,866	7,595	13,717	.....	75,704
Used for manufacture of coke at colliery	.....	.....	.....	.....	115,482	.....	115,482
Used in making briquettes	.....	.....	79,455	26,180	.....	.....	105,635
Used in shops, etc	103,509	.....	.....	.....	.....	.....	103,509
Used by harbour tugs and dredges	724	.....	.....	.....	.....	.....	724
Put on bank	855,026	20,740	2,605	61,183	66,943	.....	1,006,497
Put on waste heap	14,844	53	614	110,179	109,373	221	235,284
Total disposition	**7,886,843**	**239,493**	**582,721**	**7,208,672**	**2,554,027**	**458**	**18,472,214**
Lifted from bank	830,710	20,787	2,532	57,979	63,649	.....	975,657
Total output	**7,056,133**	**218,706**	**580,189**	**7,150,693**	**2,490,378**	**458**	**17,496,557**

Table 10.—Shipments of Coal from Canadian Mines by Grades and Destinations, 1928 and 1929

(Short tons)

Destination	1928				1929			
	Run-of-mine	Screened	Slack	Total	Run-of-mine	Screened	Slack	Total
Prince Edward Island	5,784	71,007	1,271	78,062	3,130	77,241	2,214	82,585
Nova Scotia	346,213	610,082	680,185	1,636,480	335,851	651,042	843,299	1,830,192
New Brunswick	212,875	134,139	117,283	464,297	214,058	150,133	129,667	493,858
Quebec	66,447	1,172,220	1,143,579	2,382,246	67,591	1,137,112	1,167,838	2,372,541
Ontario	545	35,489	9,277	45,281	703	46,330	9,236	56,269
Manitoba	157,133	428,167	213,110	828,410	158,420	426,495	240,024	824,939
Saskatchewan	227,241	1,097,591	408,959	1,733,791	259,800	1,032,840	424,147	1,716,847
Alberta	256,865	562,641	593,022	1,412,528	261,088	537,838	599,652	1,398,578
British Columbia	92,470	636,044	389,368	1,117,882	46,451	724,672	252,979	1,024,102
Yukon	.....	289		289	–	221	–	221
Total domestic shipments	1,365,543	4,747,669	3,586,054	9,699,266	1,347,152	4,783,924	3,669,056	9,800,132
Railroads	4,330,869	568,028	397,613	5,296,510	4,029,986	817,399	363,604	5,210,989
Ships' bunker	304,536	225,300	13,387	543,223	253,946	111,476	.....	365,422
Total railroads and ships' bunkers	4,635,405	793,328	411,000	5,839,733	4,283,932	928,875	363,604	5,576,411
United States	14,636	122,602	60,237	197,475	19,592	104,618	53,764	177,974
Alaska	.....	.....	.....	.....	.....	23,891	.....	23,891
Newfoundland	5,310	262,950	7,135	275,395	9,916	234,264	540	244,720
Other places	486	7,127	.....	7,613	.....	438	.....	438
Lost at sea	.....	.....	.....	.....	.....	569	.....	569
Total external shipments	20,432	392,679	67,372	480,483	29,508	363,780	54,304	447,592
Total	**6,021,386**	**5,933,676**	**4,064,426**	**16,019,482**	**5,660,592**	**6,076,579**	**4,086,964**	**15,824,135**

Table 11.—Exports of Canadian Coal, 1873-1929

(Compiled in the *External Trade Branch*)

Calendar year	Short tons	Value	Calendar year	Short tons	Value
		$			$
1873	420,683	.....	1902	2,090,268	.....
1874	310,988	.....	1903	1,954,629	.....
1875	250,348	.....	1904	1,557,412	.....
1876	248,638	.....	1905	1,635,287	.....
1877	301,317	.....	1906	1,835,041	.....
1878	327,959	.....	1907	1,894,074	.....
1879	306,648	.....	1908	1,729,833	.....
1880	432,188	.....	1909	1,588,099	.....
1881	395,382	.....	1910	2,377,049	.....
1882	412,682	.....	1911	1,500,639	.....
1883	486,811	.....	1912	2,127,133	.....
1884	474,405	.....	1913	1,562,020	3,951,351
1885	427,937	.....	1914	1,423,126	3,780,175
1886	520,703	.....	1915	1,766,543	5,406,058
1887	580,965	.....	1916	2,135,359	7,099,387
1888	588,627	.....	1917	1,733,156	7,387,192
1889	665,315	.....	1918	1,817,195	9,405,423
1890	724,486	.....	1919	2,070,050	12,438,885
1891	971,259	.....	1920	2,558,174	18,014,899
1892	823,733	.....	1921	1,987,251	13,896,370
1893	960,312	.....	1922	1,818,582	11,159,060
1894	1,103,694	.....	1923	1,654,406	10,661,399
1895	1,011,235	.....	1924	773,246	4,836,848
1896	1,106,661	.....	1925	785,910	4,329,173
1897	986,130	.....	1926	1,028,200	5,739,436
1898	1,150,029	.....	1927	1,113,330	5,890,259
1899	1,293,169	.....	1928	863,941	4,469,999
1900	1,787,777	.....	1929	842,972	4,375,328
1901	1,573,661	.....			
			Total	**66,866,667**	.....

Table 12.—Exports of Canadian Coal from Eastern and Western Canada, 1925-1929

(Short tons)

—	1925	1926	1927	1928	1929
Eastern Canada	266,052	585,750	585,822	370,671	372,061
Western Canada	519,858	442,450	527,508	493,270	470,911
Total	**785,910**	**1,028,200**	**1,113,330**	**863,941**	**842,972**

Table 13.—Exports of Canadian Coal by Destinations, 1927-1929

(Compiled in the *External Trade Branch*)

Destination	1927		1928		1929	
	Short tons	Value	Short tons	Value	Short tons	Value
		$		$		$
BRITISH EMPIRE						
United Kingdom	62,163	451,451	27,390	202,252	26,605	195,958
Irish Free State	131,218	682,295	484	3,003	683	4,343
British South Africa	9,923	67,865	4,578	27,468	12,089	74,057
Bermuda	646	5,315	198	1,595	950	7,600
British Guiana	.....	.....	1,066	6,393	.....	.....
British India	157	1,413	514	4,266	.....	.....
British West Indies—						
Jamaica	575	3,536	3,017	25,040	.....	.....
Other B.W.I.	353	2,910	.....	.....	.....	.....
Gibraltar	790	4,740	3,924	23,892	1,335	8,010
Malta	.....	.....	161	1,328	.....	.....
Newfoundland	281,872	1,473,336	246,100	1,301,592	269,108	1,426,701
Sierra Leone	1,247	7,794	433	3,572	.....	.....
Australia	23,895	182,730	22,458	186,310	19,225	159,409
New Zealand	15,479	90,663	6,994	40,214	6,752	41,834
Total British Empire	528,318	2,974,048	317,317	1,826,925	336,807	1,917,912
FOREIGN COUNTRIES						
Argentina	.....	.....	4,046	24,276	1,066	6,396
Belgium	10,988	76,074	7,354	49,695	3,463	20,406
Brazil	.....	.....	4,046	24,276	.....	.....
China	2,155	15,192	499	4,141	4,994	41,448
Cuba	194	1,676	1,015	8,531	380	3,135
Denmark	909	5,762	513	3,163	758	4,548
Egypt	236	2,006	.....	.....	.....	.....
Finland	.....	.....	147	882	.....	.....
France	3,218	23,116	1,701	11,660	5,108	35,171
French Possessions—						
French Africa	226	1,356	1,737	10,419	.....	.....
French Oceania	637	3,758	.....	.....	.....	.....
Morocco	144	1,296	.....	.....	.....	.....
St. Pierre and Miquelon	5,291	32,380	5,742	34,831	2,248	13,746
Syria	.....	.....	333	1,998	290	1,740
Germany	10,353	71,084	5,622	36,843	2,140	12,741
Greece	2,027	12,264	3,283	20,139	1,085	8,097
Honduras	.....	.....	276	1,380	.....	.....
Iceland	.....	.....	135	844	.....	.....
Italy	18,108	113,814	8,181	50,338	3,327	22,991
Japan	6,664	47,635	5,970	38,870	.....	.....
Mexico	7,002	58,116	.....	.....	.....	.....
Netherlands	5,590	31,885	7,467	55,120	5,247	35,510
Norway	3,863	21,243	1,764	11,142	421	2,521
Poland and Danzig	.....	.....	398	2,491	371	2,489
Portugal	598	3,588	1,672	12,829	.....	.....
Russia	.....	.....	361	2,166	.....	.....
Spain	501	3,006	3,221	19,512	916	5,493
Sweden	477	2,971	680	4,080	552	3,162
Turkey	.....	.....	383	2,298	641	4,352
United States	477,362	2,163,374	455,495	2,028,482	451,516	2,080,807
Alaska	27,150	216,713	22,298	168,381	21,642	152,663
Porto Rico	.....	.....	264	1,650	.....	.....
Virgin Islands	518	8,056	.....	.....	.....	.....
Uruguay	801	5,006	2,021	12,631	.....	.....
Total foreign countries	585,012	2,916,311	546,624	2,643,074	506,165	2,457,416
Total	**1,113,330**	**5,890,359**	**863,941**	**4,469,999**	**842,972**	**4,375,328**

Table 14.—Imports of Coal into Canada "Entered for Consumption" 1880-1929

(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			1,067,343	2,739,598
1881	572,092	2,325,937	587,024	1,741,568	337	666			1,159,453	4,068,171
1882	638,273	2,666,356	636,374	1,992,081	471	900			1,275,118	4,659,337
1883	751,891	3,344,936	911,629	2,996,198	8,154	10,082			1,671,674	6,351,216
1884	868,000	3,831,283	1,118,615	3,613,470	12,782	14,600			1,999,397	7,459,353
1885	910,324	3,909,844	1,011,875	3,197,539	20,185	20,412			1,942,384	7,127,795
1886	995,425	4,028,050	930,949	2,591,554	36,230	36,996			1,962,604	6,657,600
1887	1,100,165	4,423,062	1,149,792	3,126,225	31,401	33,178			2,281,358	7,582,465
1888	2,138,627	5,291,875	1,231,234	3,451,661	28,808	34,730			3,398,669	8,778,266
1889	1,291,705	5,199,481	1,248,540	3,255,171	39,980	47,139			2,580,225	8,501,791
1890	1,201,335	4,595,727	1,409,282	3,528,959	53,104	29,818			2,663,721	8,154,504
1891	1,399,067	5,224,452	1,598,855	4,060,896	60,127	36,130			3,058,049	9,321,478
1892	1,479,106	5,640,346	1,615,220	4,099,221	82,091	39,840			3,176,417	9,779,497
1893	1,500,550	6,355,285	1,603,154	3,967,764	109,585	44,474			3,213,289	10,367,523
1894	1,530,522	6,354,040	1,359,509	3,315,094	117,573	49,530			3,007,604	9,718,644
1895	1,404,342	5,350,627	1,444,928	3,321,387	181,318	52,221			3,034,588	8,724,235
1896	1,574,355	5,667,096	1,538,489	3,299,025	210,386	53,742			3,323,230	9,019,863
1897	1,457,295	5,695,168	1,543,476	3,254,217	225,562	59,009			3,226,333	9,008,994
1898	1,460,701	5,874,685	1,684,024	3,179,595	229,445	45,556			3,374,170	9,099,836
1899	1,745,460	6,490,509	2,171,358	3,691,946	276,547	44,717			4,193,365	10,227,172
1900	1,654,101	6,602,912	2,439,764	4,310,904	330,174	98,349			4,424,039	11,012,225
1901	1,933,283	7,923,959	2,516,392	4,956,025	414,432	275,559			4,864,197	13,155,531
1902	1,652,451	7,021,939	3,047,392	5,712,058	489,548	264,550			5,189,391	12,998,547
1903	1,456,713	7,028,604	3,511,412	7,776,717	550,883	420,317	Not separately itemized until 1923		5,519,008	15,225,698
1904	2,275,018	10,461,223	4,053,900	9,108,208	608,041	544,128			6,936,953	20,113,559
1905	2,604,137	12,093,371	4,176,274	8,002,896	659,261	343,456			7,439,672	20,439,723
1906	2,200,863	10,304,308	4,495,550	8,360,348	747,251	489,180			7,443,664	19,153,836
			Bituminous round run-of-mine		Bituminous slack such as will pass through a ¼" screen					
Calendar year—										
1907	3,141,873	14,596,129	6,370,152	13,232,445	1,139,256	1,121,949			10,651,281	28,869,523
1908	3,160,110	14,478,536	6,025,574	12,516,748	1,111,811	1,355,677			10,297,435	28,350,961
1909	3,017,844	13,906,152	5,025,063	11,455,818	1,230,017	1,469,889			9,872,924	26,831,859
1910	3,266,235	14,735,062	5,966,466	11,919,341	1,365,281	1,795,598			10,597,982	28,450,001
1911	4,020,577	18,794,192	8,905,815	18,407,601	1,632,500	2,090,796			14,558,892	39,292,591
1912	4,184,017	20,080,388	8,491,840	16,846,727	1,919,953	2,550,922			14,595,810	39,478,037
1913	4,642,057	22,034,839	10,743,473	21,756,658	2,816,423	4,157,622			18,201,953	47,949,119
1914	4,435,030	21,241,924	7,776,415	14,954,321	2,509,632	3,605,253			14,721,057	39,801,498
1915	4,672,192	18,753,980	6,106,794	7,564,369	2,286,916	2,027,256			12,455,902	28,345,605
1916	4,570,815	22,216,363	9,504,552	12,368,679	3,505,236	3,704,621			17,584,603	38,289,666
1917	5,320,198	28,109,586	12,407,486	33,712,894	3,129,776	8,739,877			20,857,460	70,562,357
1918	4,785,160	26,007,888	13,656,300	37,291,057	3,237,067	8,351,639			21,678,527	71,650,584
1919	4,937,095	31,595,694	10,127,995	24,750,747	2,228,197	4,814,388			17,293,257	61,160,799
1920	4,982,313	36,773,351	11,548,475	59,808,626	2,312,754	10,451,621			18,843,542	98,033,598
1921	4,553,820	40,293,639	11,194,635	41,030,322	2,553,697	7,630,773			18,302,152	88,924,734
1922	2,705,752	23,795,143	8,133,356	30,171,375	2,184,407	7,215,910			13,023,525	61,182,428
1923	5,165,382	46,457,962	11,933,610	39,511,911	3,888,630	10,387,188	2,331	12,846	21,989,953	95,359,907
1924	4,152,558	37,280,910	9,222,019	23,120,128	3,324,195	6,508,515	26,007	117,955	16,724,779	67,027,508
1925*	3,782,557	32,096,509	12,548,460 tons		$26,974,349		18,653	87,832	16,349,671	59,158,681
1926	4,192,419	34,202,166	12,376,606 tons		$25,511,932		10,423	45,567	16,579,448	59,759,665
1927	4,107,854	31,282,371	14,568,671 tons		$30,457,884		10,829	44,251	18,687,354	61,784,509
1928	3,748,816	27,680,018	15,445,915 tons		$26,608,427		10,780	44,247	17,205,541	54,332,692
1929	4,019,917	28,809,792	14,170,138 tons		$27,140,938		14,108	62,508	18,204,163	56,013,268

NOTE.—Anthracite coal and anthracite dust enter Canada duty free.

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

Table 15.—Imports of Coal into Eastern and Western Canada, 1928 and 1929

(Short tons)

Destination	Anthracite			Bituminous	Lignite	Total all grades
	Egg, nut, etc.	Dust	Total anthracite			
Eastern Canada—						
1928—						
United States	2,817,942	317,065	3,135,007	12,027,642	.....	15,162,649
Great Britain	510,085	13,262	524,247	143,013	.....	667,260
Belgium	1	.....	1	.....	.....	1
Netherlands	1,102	.....	1,102	.....	.....	1,102
British South Africa	328	.....	328	.....	.....	328
Russia	6,204	.....	6,204	.....	.....	6,204
Newfoundland	.....	.....	.....	2	.....	2
Total	3,336,562	330,327	3,666,889	12,170,657	.....	15,837,546
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	.....	16,745,653
Western Canada—						
1928—						
United States	66,394	1,830	68,224	1,704,394	10,780	1,873,398
Great Britain	2,220	.....	2,220	1,132	.....	3,352
Total	68,614	1,830	70,444	1,705,526	10,780	1,876,750
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
Canada—						
1928—						
United States	2,884,336	318,895	3,203,231	13,822,036	10,780	17,036,047
Great Britain	513,205	13,262	526,467	144,145	.....	670,612
Belgium	1	.....	1	.....	.....	1
Netherlands	1,102	.....	1,102	.....	.....	1,102
British South Africa	328	.....	328	.....	.....	328
Russia	6,204	.....	6,204	.....	.....	6,204
Newfoundland	.....	.....	.....	2	.....	2
Total	3,405,176	332,157	3,737,333	13,966,183	10,780	17,714,296
1929—						
United States	2,864,096	308,947	3,173,043	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	3,703,113	316,804	4,019,917	14,585,275	14,108	18,619,300

Table 16.—Imports of Anthracite and Bituminous Coal into Canada from Great Britain, by Grades and by Provinces, 1928 and 1929

(Short tons)

Destination	1928			1929		
	Anthracite		Bituminous all grades	Anthracite		Bituminous, all grades
	Egg, nut, etc.	Dust		Egg, nut, etc.	Dust	
Prince Edward Island	.....	.....	.....	2,223	.....	.....
Nova Scotia	29,314	.....	4,381	31,612	.....	21,991
New Brunswick	34,061	.....	1,083	50,798	1,911	341
Quebec	428,203	13,262	137,549	592,838	5,946	92,941
Ontario	19,407	.....	.....	44,130	.....	.....
British Columbia	2,220	.....	1,132	.....	.....	95
Canada	**513,205**	**13,262**	**144,145**	**721,601**	**7,857**	**115,368**

Table 17.—Imports of Anthracite, Bituminous and Lignite Coal into Canada from the United States by Grades and by Provinces, 1928 and 1929

(Short tons)

Destination	1928				1929			
	Anthracite		Bituminous, all grades	Lignite	Anthracite		Bituminous, all grades	Lignite
	Egg, nut, etc.	Dust			Egg, nut, etc.	Dust		
Prince Edward Island	3,765	.....	4,076	.....	4,121	836	8,982	.....
Nova Scotia	29,815	.....	27,473	.....	26,695	.....	14,153	.....
New Brunswick	37,432	2,183	49,484	.....	44,653	455	75,767	.....
Quebec	739,266	162,889	1,303,007	.....	682,533	148,763	1,242,180	.....
Ontario	2,065,158	151,993	12,318,948	.....	2,098,544	156,413	13,067,713	.....
Manitoba	8,321	1,809	97,002	.....	6,701	2,479	38,801	1,896
Saskatchewan	579	.....	2,536	60	365	.....	2,477	41
Alberta	.....	.....	1,360	.....	.....	.....	1,327	.....
British Columbia	.....	21	17,510	10,720	484	1	18,364	12,171
Yukon	.....	.....	40	.....	.....	.....	67	.....
Canada	**2,884,336**	**318,895**	**13,822,036**	**10,780**	**2,864,096**	**308,947**	**14,469,831**	**14,108**

Table 18.—Imports of Anthracite and Bituminous Coal into Canada from Other Countries, by Provinces, 1928 and 1929

(Short tons)

Destination	Source	1928			1929		
		Anthracite		Bituminous, all grades	Anthracite		Bituminous, all grades
		Egg, nut, etc.	Dust		Egg, nut, etc.	Dust	
Nova Scotia	Russia	.....	.....	.....	5,601	.....	.....
New Brunswick	Russia	.....	.....	.....	12,697	.....	.....
Quebec	Netherlands	1,102	.....	.....	.....	.....	.....
	Belgium	1	.....	.....	.....	.....	.....
	Brit. S. Africa	328	.....	.....	.....	.....	.....
	Russia	6,204	.....	.....	99,006	.....	.....
	Newfoundland	.....	.....	2	.....	.....	76
British Columbia	Japan	.....	.....	.....	112	.....	.....
Canada	.....	**7,635**	.....	**2**	**117,416**	.....	**76**

Table 19.—Imports of Anthracite, Bituminous and Lignite Coal into Canada by Months, 1928 and 1929

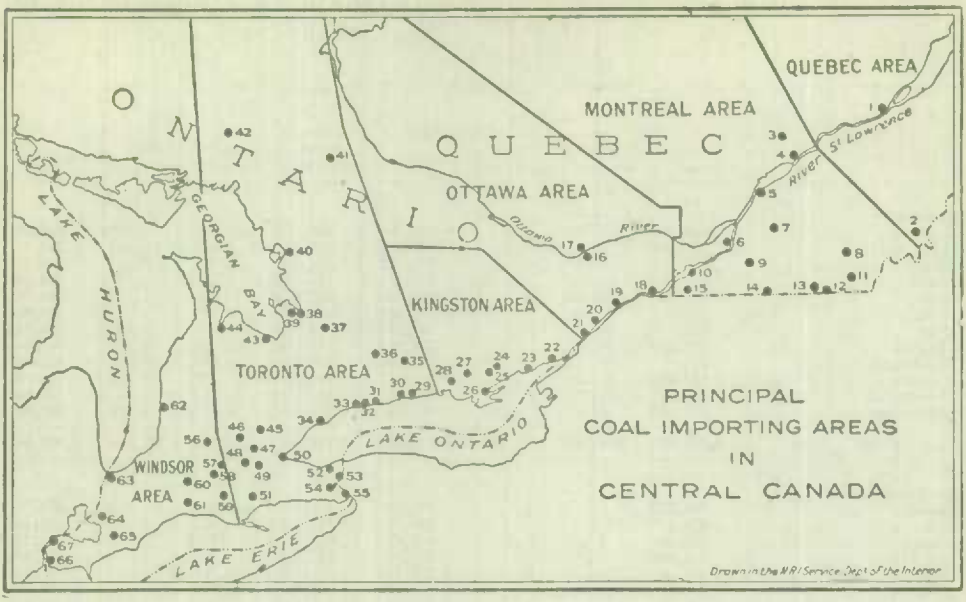
(Short tons)

Month	1928				1929			
	United States	Great Britain	Other countries	Total	United States	Great Britain	Other countries	Total
ANTHRACITE—								
January	234,703	6,083	.....	240,786	253,773	20,281	2,672	276,726
February	228,409	5,550	.....	233,959	303,992	9,932	2,432	316,356
March	248,411	5,011	.....	253,422	251,092	12,938	4,612	268,642
April	129,208	2,474	1	131,683	129,511	7,346	2,646	139,503
May	250,105	60,703	.....	310,808	222,955	71,309	.....	294,264
June	284,113	32,207	.....	316,320	223,328	86,488	.....	309,816
July	190,799	67,376	.....	258,175	196,528	72,229	11,589	280,316
August	236,048	88,408	.....	324,456	215,892	103,403	29,861	349,156
September	315,577	78,813	328	394,718	303,470	97,489	26,950	427,909
October	387,890	85,550	1,102	474,542	406,017	85,749	15,129	546,895
November	369,141	49,071	.....	418,212	321,035	92,657	14,791	430,483
December	328,827	45,221	6,204	380,252	303,450	69,637	6,734	379,821
Total	**3,253,231**	**526,467**	**7,635**	**3,787,333**	**3,173,043**	**729,458**	**117,416**	**4,019,917**
BITUMINOUS—								
January	766,732	.....	.....	766,732	834,784	4,892	35	839,713
February	729,727	.....	.....	729,727	713,499	2,971	.....	716,470
March	882,068	1,309	.....	883,377	920,070	170	.....	920,240
April	473,889	937	.....	474,826	591,351	2,735	.....	594,086
May	976,987	26,786	.....	1,003,773	1,256,003	16,996	.....	1,272,999
June	1,262,430	21,152	.....	1,283,582	1,417,991	26,441	.....	1,444,432
July	1,235,792	.....	.....	1,235,792	1,731,400	11,525	.....	1,742,920
August	1,668,021	16,575	.....	1,684,596	1,525,787	8,111	.....	1,533,897
September	1,511,302	18,981	.....	1,530,283	1,496,010	19,360	.....	1,515,375
October	1,592,197	24,225	.....	1,616,422	1,610,882	7,874	41	1,618,798
November	1,437,688	32,995	.....	1,470,683	1,455,332	11,245	.....	1,466,577
December	1,285,203	1,185	2	1,286,390	916,722	3,048	.....	919,770
Total	**13,822,036**	**144,145**	**2**	**13,966,183**	**14,469,831**	**115,368**	**76**	**14,585,275**
LIGNITE—								
January	1,864	.....	.....	1,864	1,680	.....	.....	1,680
February	1,138	.....	.....	1,138	2,747	.....	.....	2,747
March	1,219	.....	.....	1,219	1,258	.....	.....	1,258
April	500	.....	.....	500	1,030	.....	.....	1,030
May	318	.....	.....	318	571	.....	.....	571
June	47	.....	.....	47	252	.....	.....	252
July	94	.....	.....	94	38	.....	.....	38
August	473	.....	.....	473	414	.....	.....	414
September	792	.....	.....	792	822	.....	.....	822
October	1,250	.....	.....	1,250	1,520	.....	.....	1,520
November	1,125	.....	.....	1,125	1,761	.....	.....	1,761
December	1,960	.....	.....	1,960	2,015	.....	.....	2,015
Total	**10,780**	.....	.....	**10,780**	**14,108**	.....	.....	**14,108**

Table 20.—Average Imports of Coal into Central Canada by Principal Areas for the Five Years, 1925-1929

(Short tons)

Destination	Anthracite			Total bituminous	Total all grades
	Egg, nut, etc.	Dust	Total		
Quebec	99,506	5,293	104,799	183,447	288,246
Montreal	1,191,547	170,237	1,361,784	1,470,366	2,832,150
Ottawa	231,361	42,391	273,752	939,493	1,213,245
Kingston	101,168	2,199	103,367	222,551	325,918
Toronto	1,509,537	79,259	1,588,796	5,095,926	6,684,722
Windsor	273,998	3,689	277,687	3,197,487	3,475,174
Total	**3,407,117**	**303,068**	**3,710,185**	**11,109,270**	**14,819,455**



Key to the Ports of Entry Shown on the Map

Quebec Area—
1 Quebec City
2 Megantic

Montreal Area—
3 Shawinigan Falls
4 Three Rivers
5 Sorel
6 Montreal
7 St. Hyacinthe
8 Sherbrooke
9 St. John's
10 Valleyfield
11 Coaticook
12 Beebe Junction
13 Mansonville
14 St. Armand
15 Athelstan

Ottawa Area—
16 Ottawa
17 Hull
18 Cornwall
19 Morrisburg
20 Prescott
21 Brockville

Kingston Area—
22 Gananoque
23 Kingston
24 Napanee
25 Deseronto
26 Picton
27 Belleville
28 Trenton

Toronto Area—
29 Cobourg
30 Port Hope
31 Bowmanville

Toronto Area—Con.
32 Oshawa
33 Whitby
34 Toronto
35 Peterboro
36 Lindsay
37 Orillia
38 Port McNicoll
39 Midland
40 Parry Sound
41 North Bay
42 Sudbury
43 Collingwood
44 Owen Sound
45 Guelph
46 Kitchener
47 Galt
48 Paris
49 Brantford
50 Hamilton

Toronto Area—Con.
51 Simcoe
52 St. Catharines
53 Niagara Falls
54 Welland
55 Bridgeburg

Windsor Area—
56 Stratford
57 Woodstock
58 Ingersoll
59 Tillsonburg
60 London
61 St. Thomas
62 Goderich
63 Sarnia
64 Wallaceburg
65 Chatham
66 Amherstburg
67 Windsor

Table 21.—Average Imports of Coal into Canada by Kinds and by Provinces for the Five Years, 1925-1929

(Short tons)

Destination	Anthracite			Total bituminous	Total all grades
	Egg, nut, etc.	Dust	Total		
Prince Edward Island	5,521	168	5,689	8,475	**14,164**
Nova Scotia	57,889	1	57,890	61,638	**119,528**
New Brunswick	90,254	1,286	91,540	97,799	**189,339**
Quebec	1,317,302	177,222	1,494,524	1,771,059	**3,265,583**
Central Ontario	2,114,844	127,347	2,242,191	10,654,054	**12,896,245**
Head of Lakes	59,786	429	60,215	1,371,227	**1,431,442**
Total Ontario	2,174,630	127,776	2,302,406	12,025,281	**14,327,687**
Manitoba	13,987	3,529	17,516	115,538	**133,054**
Manitoba and Head of Lakes	73,773	3,958	77,731	1,486,765	**1,564,496**
Saskatchewan	519	.....	519	2,175	**2,694**
Alberta	6	.....	6	1,340	**1,346**
British Columbia	2,524	4	2,528	39,104	**41,632**
Yukon	.....	.....	.....	25	**25**
Canada	**3,662,632**	**309,986**	**3,972,618**	**14,122,434**	**18,095,052**

Table 22.—Summary Statistics for 1925-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	Coal available for consumption
	Output	Received from other provinces	Shipped to other provinces	Exported			
Prince Edward Island—							
Anthracite	.....	.....	.....	.....	4,624	507	5,131
Bituminous	.....	56,864	.....	.....	9,208	13,436	79,508
Total	.....	56,864	.....	.....	13,832	13,943	84,639
Nova Scotia—							
Anthracite	.....	.....	.....	.....	33,393	20,679	54,072
Bituminous	3,842,978	.....	1,215,959	240,539	178,985	19	2,565,484
Lignite	.....	.....	.....	.....	10	.....	10
Total	3,842,978	.....	1,215,959	240,539	212,388	20,698	2,619,566
New Brunswick—							
Anthracite	.....	.....	.....	.....	45,693	29,256	74,949
Bituminous	208,012	348,389	4,568	25,502	163,982	5,103	695,416
Total	208,012	348,389	4,568	25,502	209,675	34,359	770,365
Quebec—							
Anthracite	.....	.....	.....	.....	896,946	478,223	1,375,169
Bituminous	.....	811,764	.....	11	2,530,661	38,264	3,380,678
Total	.....	811,764	.....	11	3,427,607	516,487	4,755,847
Central Ontario—							
Anthracite	.....	.....	.....	.....	2,182,717	20,564	2,203,281
Bituminous	.....	3,510	.....	.....	9,100,462	.....	9,103,972
Sub-bituminous	.....	*2,800	.....	.....	.....	.....	*2,800
Lignite	.....	*26,483	.....	.....	.....	.....	*26,483
Total	.....	32,793	.....	.....	11,283,179	20,564	11,336,536
Manitoba and Head of Lakes—							
Anthracite	.....	.....	.....	.....	85,164	.....	85,164
Bituminous	.....	24,548	.....	3,971	932,006	.....	952,583
Sub-bituminous	.....	84,306	.....	.....	.....	.....	84,306
Lignite	.....	635,715	.....	.....	.....	.....	635,715
Total	.....	744,569	.....	3,971	1,017,170	.....	1,757,768
Saskatchewan—							
Anthracite	.....	.....	.....	.....	702	.....	702
Bituminous	.....	93,342	.....	7,418	1,732	.....	87,656
Sub-bituminous	.....	63,187	.....	.....	.....	.....	63,187
Lignite	471,965	1,180,128	230,811	.....	.....	.....	1,421,282
Total	471,965	1,336,657	230,811	7,418	2,434	.....	1,572,827
Alberta—							
Anthracite	.....	.....	.....	.....	30	.....	30
Bituminous	2,145,635	34,425	108,163	926	1,175	.....	2,072,146
Sub-bituminous	570,654	.....	165,408	.....	.....	.....	405,246
Lignite	3,152,742	128	1,683,168	.....	.....	.....	1,469,702
Total	5,869,031	34,553	1,956,739	926	1,205	.....	3,947,124
British Columbia—							
Anthracite	.....	.....	.....	.....	228	18	246
Bituminous	2,742,252	34,362	78,514	507,543	39,550	(a) 736	2,230,843
Sub-bituminous	.....	15,115	.....	.....	.....	.....	15,115
Lignite	.....	71,525	.....	.....	18,358	.....	89,883
Total	2,742,252	121,002	78,514	507,543	58,136	(a) 754	2,336,087
Yukon—							
Bituminous	730	.....	.....	.....	4	.....	734
Total	730	.....	.....	.....	4	.....	734
Canada—							
Anthracite	.....	.....	.....	.....	3,249,497	549,247	3,798,744
Bituminous	8,939,607	1,407,204	1,407,204	785,910	12,957,765	57,558	21,169,020
Sub-bituminous	570,654	165,408	165,408	.....	.....	.....	570,654
Lignite	3,624,707	1,913,979	1,913,979	.....	18,368	.....	3,643,075
Total	**13,134,968**	**3,486,591**	**3,486,591**	**785,910**	**16,225,630**	**606,805**	**29,181,493**

*Includes all coal shipped to any point in Ontario from western mines.
(a) Includes 736 tons imported from other countries.

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—								
Anthracite	.....	.....	.....	.....	5,344	.....	.....	5,344
Bituminous	.....	87,230	.....	.....	1,622	.....	.....	88,852
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	.....	96,901
Bituminous	173,111	483,995	2,754	24,897	97,548	110	.....	727,113
Lignite	.....	32	.....	32	.....	.....	.....	.....
Total	173,111	484,027	2,754	24,929	159,252	35,307	.....	824,014
Quebec—								
Anthracite	.....	.....	.....	.....	1,253,246	207,869	(b) 83,475	1,544,590
Bituminous	.....	1,968,325	.....	675	1,793,990	3,065	.....	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) 1,805	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	.....	.....	1,381,876
Sub-bituminous	.....	68,409	.....	.....	.....	.....	.....	68,409
Lignite	.....	663,266	.....	2,793	.....	.....	.....	660,473
Total	.....	801,023	.....	4,652	1,393,187	.....	.....	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	78,498	423,217	31,960	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	78,498	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	.....	3,599,490
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			8,864	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	166,027	31,209		806,523
Quebec—								
Anthracite					952,837	709,709	(a) 9,973	1,672,519
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				22,367
Total		24,625		410	13,776,614	10,494		13,811,323
Manitoba and Head of Lakes—								
Anthracite					95,168			95,168
Bituminous		89,922		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	6,934,162	40,927	2,254,480	585	1,324			4,721,348
British Columbia—								
Anthracite					46	3,766		3,812
Bituminous	2,746,243	51,347	93,128	498,782	22,292	25	(b) 323	2,228,320
Sub-bituminous		33,282						33,282
Lignite		101,754		16,358	10,829			96,225
Total	2,746,243	186,383	93,128	515,140	33,167	3,791	323	2,361,039
Yukon—								
Bituminous	414			1	8			421
Total	414			1	8			421
Canada—								
Anthracite					3,265,411	788,235	(a) 9,973	4,063,619
Bituminous	13,006,996	3,177,895	3,177,895	1,085,559	15,038,008	140,309	(b) 323	27,100,077
Sub-bituminous	596,155	183,577	183,577					596,155
Lignite	3,823,710	2,081,119	2,081,119	27,771	10,829			3,806,768
Total	**17,426,861**	**5,442,591**	**5,442,591**	**1,113,330**	**18,314,248**	**928,544**	**10,296**	**35,566,619**

(a) Includes 5,155 tons from the Netherlands and 4,818 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	.....	.....	.....	.....	3,765	.....	.....	3,765
Bituminous	.....	78,062	.....	76	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	.....	3,566,725
Total	6,743,504	.....	2,864,254	344,379	57,288	33,695	.....	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	.....	2,382,246	.....	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	.....	2,179,064
Bituminous	.....	33	.....	4	10,643,002	.....	.....	10,643,031
Sub-bituminous	.....	*13,061	.....	.....	.....	.....	.....	13,061
Lignite	.....	*32,187	.....	32	.....	.....	.....	32,155
Total	.....	45,281	.....	36	12,802,659	19,407	.....	12,867,311
Manitoba and Head of Lakes—								
Anthracite	.....	.....	.....	.....	67,624	.....	.....	67,624
Bituminous	.....	47,346	.....	479	1,772,948	.....	.....	1,819,809
Sub-bituminous	.....	96,250	.....	.....	.....	.....	.....	96,250
Lignite	.....	684,820	.....	3,609	.....	.....	.....	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	458,093	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	.....	.....	.....	.....	3,203,231	526,467	7,635	3,737,333
Bituminous	12,971,744	3,197,264	3,197,264	829,504	13,822,036	144,145	2	26,108,423
Sub-bituminous	740,496	234,003	234,003	.....	.....	.....	.....	740,496
Lignite	3,852,053	2,193,577	2,193,577	34,437	10,780	.....	.....	3,828,396
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	Output	Canadian coal: Received from other provinces	Canadian coal: Shipped to other provinces	Canadian coal: Exported	Imported from U.S.A.	Imported from Great Britain	Imported from other countries	Coal available for consumption
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	.....	.....	.....	.....	26,695	31,612	(a) 5,601	63,908
Bituminous	7,056,133	.....	2,889,053	351,176	14,153	21,991	.....	3,852,048
Total	7,056,133	.....	2,889,053	351,176	40,848	53,603	5,601	3,915,956
New Brunswick—								
Anthracite	.....	.....	.....	.....	45,108	52,709	(a) 12,697	110,514
Bituminous	218,706	427,236	295	20,609	75,767	341	.....	701,146
Total	218,706	427,236	295	20,609	120,875	53,050	12,697	811,660
Quebec—								
Anthracite	.....	.....	.....	.....	831,296	598,784	(a) 99,006	1,529,086
Bituminous	.....	2,372,541	.....	130	1,242,180	92,941	(b) 76	3,707,608
Total	.....	2,372,541	.....	130	2,073,476	691,725	99,082	5,236,694
Central Ontario—								
Anthracite	.....	.....	.....	.....	2,202,236	44,130	.....	2,246,366
Bituminous	.....	.....	.....	110	11,332,168	.....	.....	11,332,058
Sub-bituminous	.....	*10,195	.....	.....	.....	.....	.....	10,195
Lignite	.....	*46,074	.....	36	.....	.....	.....	46,038
Total	.....	56,269	.....	146	13,534,404	44,130	.....	13,634,657
Manitoba and Head of Lakes—								
Anthracite	.....	.....	.....	.....	61,901	.....	.....	61,901
Bituminous	.....	46,804	.....	397	1,774,346	.....	.....	1,820,753
Sub-bituminous	.....	91,867	.....	.....	.....	.....	.....	91,867
Lignite	.....	686,268	.....	2,937	1,896	.....	.....	685,227
Total	.....	824,939	.....	3,334	1,838,143	.....	.....	2,659,748
Saskatchewan—								
Anthracite	.....	.....	.....	.....	365	.....	.....	365
Bituminous	.....	150,612	.....	76	2,477	.....	.....	153,013
Sub-bituminous	.....	74,560	.....	.....	.....	.....	.....	74,560
Lignite	580,189	1,300,783	231,858	8,151	41	.....	.....	1,641,004
Total	580,189	1,525,955	231,858	8,227	2,883	.....	.....	1,868,942
Alberta—								
Bituminous	3,094,147	47,926	178,833	45	1,327	.....	.....	2,964,522
Sub-bituminous	668,702	.....	230,303	.....	.....	.....	.....	438,399
Lignite	3,387,844	.....	1,936,974	1,015	.....	.....	.....	1,449,855
Total	7,150,693	47,926	2,346,110	1,060	1,327	.....	.....	4,852,776
British Columbia—								
Anthracite	.....	.....	.....	.....	485	.....	(c) 112	597
Bituminous	2,490,378	52,402	111,925	438,286	18,364	95	.....	2,011,028
Sub-bituminous	.....	53,681	.....	.....	.....	.....	.....	53,681
Lignite	.....	135,707	.....	20,004	12,171	.....	.....	127,874
Total	2,490,378	241,790	111,925	458,290	31,020	95	112	2,193,180
Yukon—								
Bituminous	458	.....	.....	.....	67	.....	.....	525
Total	458	.....	.....	.....	67	.....	.....	525
Canada—								
Anthracite	.....	.....	.....	.....	3,173,043	72,9458	117,416	4,019,917
Bituminous	12,859,822	3,180,106	3,180,106	810,829	14,469,831	115,368	76	26,634,268
Sub-bituminous	668,702	230,303	230,303	.....	.....	.....	.....	668,702
Lignite	3,968,033	2,168,832	2,168,832	32,143	14,108	.....	.....	3,949,998
Total	**17,496,557**	**5,579,241**	**5,579,241**	**842,972**	**17,656,982**	**844,826**	**117,492**	**35,272,885**

(a) Imported from Russia. (b) Imported from Newfoundland. (c) Imported from Japan.
*Includes all coal shipped to any point in Ontario from western mines.

Table 27.—Coal Made Available for Consumption in Canada, 1928 and 1929

(Short tons)

Month	1928				1929			
	Output	Imports	Exports	Coal made available for use	Output	Imports	Exports	Coal made available for use
January	1,697,565	1,009,382	88,910	2,618,037	1,585,072	1,118,117	89,414	2,613,775
February	1,406,341	964,824	60,812	2,310,353	1,649,960	1,035,573	76,464	2,609,069
March	1,404,401	1,138,018	75,162	2,467,257	1,387,696	1,190,140	74,235	2,503,601
April	1,146,311	607,009	32,820	1,720,500	1,395,817	734,619	31,660	2,098,776
May	1,264,127	1,314,899	53,147	2,525,879	1,404,861	1,567,834	62,436	2,910,259
June	1,350,941	1,599,949	64,989	2,885,901	1,360,774	1,754,500	80,227	3,035,047
July	1,341,091	1,494,061	60,372	2,774,780	1,316,153	2,023,309	49,781	3,289,681
August	1,552,191	2,009,525	72,513	3,489,203	1,362,166	1,883,468	65,187	3,180,447
September	1,413,523	1,925,793	93,479	3,245,837	1,410,020	1,944,101	78,211	3,275,910
October	1,742,530	2,092,214	90,472	3,744,272	1,598,659	2,167,212	82,964	3,682,907
November	1,722,304	1,890,020	79,545	3,532,779	1,534,386	1,898,821	74,926	3,358,281
December	1,522,968	1,668,602	91,720	3,099,850	1,490,993	1,301,606	77,467	2,715,132
Total	**17,564,293**	**17,714,296**	**863,941**	**34,414,648**	**17,496,557**	**18,619,300**	**842,972**	**35,272,885**

Table 28.—Annual Consumption of Coal in Canada, 1902-1929

Calendar year	Canadian†		Imported coal "entered for consumption"				Total	Per capita
			From U.S.A.	From Great Britain	Total*			
	Short tons	%	Short tons	Short tons	Short tons	%	Short tons	
1902	5,376,413	53·1	4,656,286	101,726	4,734,559	46·9	10,110,972	1·848
1903	6,005,735	47·3	6,520,931	184,593	6,678,458	52·7	12,684,185	2·212
1904	6,697,183	47·9	7,238,869	85,687	7,297,482	52·1	13,994,665	2,412
1905	7,032,661	49·4	7,233,738	68,500	7,215,446	50·6	14,249,107	2,341
1906	7,927,560	50·5	7,787,338	67,014	7,758,325	49·5	15,685,885	2·481
1907	8,617,352	45·0	10,588,697	54,325	10,549,503	55·0	19,166,855	2·947
1908	9,156,478	47·3	10,203,335	97,514	10,195,424	52·7	19,351,902	2·820
1909	8,913,376	47·9	9,805,253	67,671	9,711,826	52·1	18,625,202	2·682
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	3·305
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	37,825	18,132,387	57·4	31,582,545	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	15,098	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	4·175
1919	11,611,108	40·3	17,292,913	344	17,236,269	59·7	28,847,437	3·402
1920	14,025,566	42·9	18,752,981	.....	18,668,741	57·1	32,694,307	3·788
1921	12,715,734	41·1	18,390,081	1,591	18,258,387	58·9	30,974,121	3·524
1922	13,044,352	50·2	12,255,555	765,980	12,962,189	49·8	26,006,541	2·909
1923	15,070,962	41·8	20,417,239	572,570	20,967,971	58·2	36,038,933	3·968
1924	13,529,358	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	16,331,971	57·4	28,457,261	3·039
1926	15,449,831	48·3	16,204,405	287,299	16,565,555	51·7	32,015,386	3·329
1927	16,313,531	46·6	17,769,963	907,220	18,680,832	53·4	34,994,363	3·676
1928	16,700,352	49·3	16,515,149	682,755	17,200,043	50·7	33,900,395	3·510
1929	16,653,585	47·8	17,243,047	843,502	18,186,727	52·2	34,840,312	3·556

†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 t o take account of foreign coal re-exported from Canada.

Table 29.—Coke made Available for Consumption in Canada, with the Coal Equivalent of the Imported Coke, 1902-1929

Year	Output	Imports	*Exports	Coke made available for consumption	Coal equivalent of imported coke	
	Tons	Tons	Tons	Tons	Tons	Tons per capita
1902	502,043	266,140	62,568	705,615	409,446	·075
1903	561,318	258,703	32,608	787,413	398,004	·069
1904	554,083	239,310	102,463	690,930	368,169	·063
1905	700,488	470,486	116,071	1,054,903	723,824	·119
1906	782,055	501,942	37,003	1,246,994	772,218	·122
1907	842,003	624,649	70,617	1,306,035	960,997	·147
1908	858,257	426,971	58,708	1,226,520	656,878	·096
1909	862,011	661,425	74,067	1,449,369	1,017,576	·146
1910	902,715	737,088	57,971	1,581,832	1,133,980	·160
1911	935,651	751,389	9,852	1,677,188	1,155,982	·160
1912	1,411,229	628,174	57,744	1,981,659	966,420	·132
1913	1,530,499	723,906	68,235	2,186,170	1,113,703	·147
1914	1,023,866	553,040	67,838	1,509,068	851,839	·110
1915	1,170,473	637,857	35,869	1,772,461	981,317	·126
1916	1,469,741	757,116	48,539	2,178,318	1,164,793	·144
1917	1,245,862	970,106	23,595	2,192,373	1,492,469	·182
1918	1,250,743	1,165,590	29,612	2,386,722	1,793,213	·215
1919	1,675,032	383,374	14,709	2,043,697	589,805	·069
1920	1,708,203	586,406	39,536	2,255,073	902,162	·104
1921	1,463,999	228,030	20,907	1,671,122	350,815	·039
1922	1,232,646	336,270	19,831	1,549,085	517,338	·058
1923	1,668,298	733,604	34,407	2,367,495	1,128,620	·125
1924	1,436,912	521,725	23,144	1,935,493	802,653	·087
1925	1,546,739	852,427	25,578	2,373,588	1,311,405	·141
1926	2,027,058	988,034	41,699	2,973,393	1,520,051	·161
1927	2,026,438	772,235	74,109	2,724,564	1,188,053	·123
1928	2,314,197	1,040,029	25,058	3,329,098	1,630,812	·168
1929	2,712,337	1,226,853	25,208	3,913,982	1,887,464	·193

* Previous to 1925 export of petroleum coke was included.

Table 30.—Annual Consumption of Coal by Railroad Locomotives in Canada, 1911-1929

(Compiled in the *Transportation Branch*)

Year	Anthracite		Bituminous		Total	
	Short tons	Value	Short tons	Value	Short tons	Value
		$		$		$
Year ended June 30—						
1911	6,444	.....	6,769,903	.....	6,776,347	.....
1912	5,374	.....	7,732,938	.....	7,738,312	.....
1913	4,662	.....	9,040,963	.....	9,045,625	.....
1914	5,271	.....	8,268,186	.....	8,273,457	.....
1915	3,691	.....	6,673,845	.....	6,677,536	.....
1916	4,899	.....	8,672,455	.....	8,677,354	.....
1917	4,900	.....	9,783,524	.....	9,788,424	.....
1918	3,283	.....	9,836,623	.....	9,839,906	.....
1919	4,430	.....	9,136,593	.....	9,141,023	.....
Calendar year—						
1920	4,270	.....	10,372,687	.....	10,376,957	.....
1921	9,681	.....	8,784,607	.....	8,794,288	.....
1922	8,721	70,523	9,032,366	57,636,011	9,041,087	57,706,534
1923	15,184	97,243	9,925,792	58,489,294	9,940,976	58,586,537
1924	12,400	69,496	9,003,116	49,592,428	9,015,516	49,661,924
1925	12,809	61,066	8,809,969	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	10,798	64,166	10,313,198	47,173,847	10,323,996	47,238,013
1929	11,409	70,094	9,628,711	43,130,696	9,640,120	43,200,790

Table 31.—Average Price per Short Ton of Canadian Coal at the Mines by Grades for each District and Province, 1928 and 1929

District	Run-of-Mine				Screened				Slack			
	1928		1929		1928		1929		1928		1929	
	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
	$	$	$	$	$	$	$	$	$	$	$	$
NOVA SCOTIA—												
Cape Breton	4·22	4·04	3·88	3·74	5·31	4·72	5·34	4·17	2·10	1·39	2·11	1·10
Cumberland	4·13	3·72	4·26	3·72	4·91	4·58	4·90	4·39	2·28	1·71	2·21	1·50
Inverness	5·00	3·00	5·13	3·00	7·05	4·55	7·05	5·00	2·30	1·00	2·29	1·00
Pictou	5·04	4·60	5·27	4·74	5·77	5·10	6·45	5·27	3·03	3·19	3·45	3·14
Average	4·36	3·91	4·42	3·14	5·31	4·71	5·67	4·63	2·48	1·84	2·51	1·75
NEW BRUNSWICK	4·11	3·78	3·98	3·55	4·78	4·29	4·73	4·22	2·60	2·41	2·50	2·21
SASKATCHEWAN	2·17	2·02	2·27	2·02	2·33	2·10	2·36	2·15	1·10	0·89	1·26	0·91
ALBERTA—												
Bituminous—												
Brulé	3·50	3·50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cascade	5·00	4·10	5·00	4·10	7·95	4·25	7·95	4·00	3·75	3·00	3·50	3·50
Crowsnest	3·87	3·18	4·13	3·57	5·15	4·36	5·11	4·56	2·88	2·44	2·46	2·20
Mountain Park	4·00	3·51	3·92	3·33	4·00	3·50	.....	.....	.....	.....	.....	.....
Nordegg	3·50	3·50	3·50	3·50	.....	.....	.....	.....	.....	.....	.....	.....
Average bituminous	3·92	3·35	4·10	3·55	5·39	4·22	5·52	4·48	2·99	2·51	2·59	2·35
Sub-bituminous—												
Coalspur	3·47	3·39	3·33	3·16	4·56	3·18	4·71	3·22	1·07	0·89	1·05	0·84
Pekisko	3·62	3·58	3·95	3·33	.....	.....	.....	.....	.....	.....	.....	.....
Pincher	3·60	3·55	3·00	3·00	4·00	3·83	4·00	4·00	1·33	1·16	1·25	1·25
Prairie Creek	.....	.....	.....	.....	.....	.....	5·50	2·25	.....	.....	1·15	1·15
Saunders	4·50	4·30	4·40	4·15	6·07	4·85	5·81	4·12	1·12	1·00	1·36	1·00
Average sub-bituminous	3·61	3·54	3·59	3·33	4·67	3·62	4·47	3·42	1·15	0·99	1·15	0·97
Lignite—												
Ardley	3·20	2·93	3·00	3·00	4·12	3·25	4·00	2·50	1·00	0·30	.....	.....
Big Valley	3·21	3·09	3·19	2·54	4·00	4·00	3·55	3·55	.....	.....	1·00	1·00
Brooks	.....	.....	.....	.....	4·00	3·00	4·00	3·00	.....	.....	.....	.....
Camrose	2·55	2·23	1·85	1·75	3·46	2·57	3·12	2·17	0·65	0·58	0·55	0·33
Carbon	3·22	2·77	3·13	2·79	3·75	2·83	3·58	2·64	0·66	0·53	0·55	0·53
Castor	2·67	2·48	2·61	2·36	2·87	2·87	2·75	2·75	.....	.....	0·75	0·75
Champion	4·50	4·50	.....	.....	4·33	3·33	4·37	4·37	.....	.....	2·00	2·00
Drumheller	3·51	3·32	3·58	3·17	4·15	2·97	4·07	2·86	0·68	0·43	0·67	0·42
Edmonton	2·46	2·07	2·44	2·07	3·48	2·33	3·29	2·39	0·72	0·60	0·73	0·54
Gleichen	4·00	4·00	.....	.....	4·75	2·25	5·50	2·50	.....	.....	.....	.....
Halcourt	.....	.....	.....	.....	4·87	4·50	5·00	4·00	1·00	1·00	1·00	1·00
Lethbridge	3·75	3·62	3·75	3·63	4·61	2·96	5·43	3·25	0·91	0·49	0·92	0·53
Magrath	2·00	2·00	2·50	2·50	5·00	4·00	5·00	5·00	.....	.....	.....	.....
Milk River	.....	.....	.....	.....	5·00	4·66	5·00	5·00	.....	.....	.....	.....
Pakowki	3·06	3·06	3·00	3·00	.....	.....	.....	.....	.....	.....	.....	.....
Pembina	2·25	2·25	1·89	1·89	3·62	1·80	3·62	1·38	1·39	0·65	1·12	0·65
Redcliff	2·57	2·00	3·00	2·00	3·43	2·78	3·75	2·50	0·50	0·25	0·50	0·50
Sheerness	2·50	2·11	2·75	2·62	2·96	2·68	2·94	2·60	0·75	0·62	1·00	1·00
Slave Lake	3·50	3·50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Steveville	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Taber	3·56	2·88	2·75	2·75	3·73	3·36	3·80	2·95	0·62	0·50	.....	.....
Tofield	1·87	1·60	1·72	1·42	2·49	2·27	2·50	2·25	1·00	1·00	1·00	1·00
Wetaskiwin	.....	.....	.....	.....	3·50	3·00	.....	.....	.....	.....	.....	.....
Whitecourt	.....	.....	.....	.....	3·00	3·00	.....	.....	.....	.....	.....	.....
Average lignite	2·90	2·62	2·73	2·45	3·81	2·88	3·83	2·86	0·74	0·52	0·76	0·54
Average for Alberta	3·10	2·81	3·04	2·72	3·98	3·02	4·06	3·03	1·04	0·80	1·03	0·81
BRITISH COLUMBIA—												
Crow's Nest Pass	4·25	2·97	4·49	4·10	5·52	4·75	5·47	4·79	3·25	2·30	2·37	2·31
Inland	4·60	4·35	4·52	4·47	5·62	4·72	5·21	4·39	2·42	1·94	1·86	1·58
Island	4·46	4·46	4·69	4·69	5·63	5·39	5·68	5·23	3·26	2·46	3·04	3·04
Average	4·50	4·02	4·54	4·40	5·61	5·06	5·44	4·79	2·84	2·17	2·20	2·02
YUKON	.....	.....	.....	.....	10·00	10·00	8·00	8·00	.....	.....	.....	.....
Canada	**2·29**	**2·96**	**2·21**	**2·82**	**4·09**	**3·83**	**4·26**	**3·37**	**1·43**	**1·11**	**1·40**	**1·13**

Table 32.—Yearly Average Retail Prices of Coal in Canada by Principal Municipalities, 1927-1929

(Compiled in the *Internal Trade Branch*)

Province and municipality	Anthracite			Bituminous		
	1927	1928	1929	1927	1928	1929
	$	$	$	$	$	$
Prince Edward Island—						
Charlottetown	.....	.....	.....	11·54	10·13	10·12
Nova Scotia—						
Amherst	.....	.....	.....	9·37	9·25	9·25
Halifax	.....	.....	.....	10·75	10·95	16·88
Truro	.....	.....	.....	10·44	10·25	10·25
New Brunswick—						
Bathurst	.....	.....	.....	10·50	10·50	10·00
Fredericton	.....	.....	.....	11·27	11·42	11·06
Moncton	.....	.....	.....	10·45	10·38	10·68
St. John	.....	.....	.....	12·52	12·48	12·46
Quebec—						
Hull	16·16	15·50	15·50	.....	.....	.....
Montreal	16·09	15·09	15·70	.....	.....	.....
Quebec	15·98	15·75	15·61	.....	.....	.....
St. Hyacinthe	15·19	15·19	14·92	.....	.....	.....
St. Johns	15·12	14·21	14·20	.....	.....	.....
Sherbrooke	16·48	15·67	15·85	.....	.....	.....
Sorel	15·00	14·20	14·47	.....	.....	.....
Three Rivers	14·79	14·71	14·81	.....	.....	.....
Ontario—						
Belleville	15·67	15·43	15·33	.....	.....	.....
Brantford	15·08	15·04	15·42	.....	.....	.....
Brockville	15·71	15·36	15·23	.....	.....	.....
Chatham	15·28	15·25	15·25	.....	.....	.....
Fort William	17·25	17·25	17·00	.....	.....	.....
Galt	15·40	15·17	15·25	.....	.....	.....
Guelph	14·87	15·02	14·96	.....	.....	.....
Hamilton	15·12	15·04	15·08	.....	.....	.....
Kingston	15·42	15·00	14·83	.....	.....	.....
Kitchener	15·58	15·33	15·69	.....	.....	.....
London	15·77	15·63	15·75	.....	.....	.....
Niagara Falls	14·00	13·72	13·70	.....	.....	.....
Orillia	15·75	15·76	16·00	.....	.....	.....
Ottawa	15·92	15·50	15·50	.....	.....	.....
Owen Sound	15·79	15·34	15·17	.....	.....	.....
Peterborough	15·51	15·17	15·29	.....	.....	.....
Port Arthur	17·25	17·25	17·25	.....	.....	.....
St. Catharines	15·06	15·00	14·88	.....	.....	.....
St. Thomas	15·44	15·92	15·63	.....	.....	.....
Sault Ste. Marie	16·19	15·75	15·75	.....	.....	.....
Stratford	15·46	15·42	15·42	.....	.....	.....
Toronto	15·30	15·08	15·09	.....	.....	.....
Windsor	15·83	15·58	15·59	.....	.....	.....
Woodstock	14·21	14·54	15·04	.....	.....	.....
Manitoba—						
Brandon	.....	.....	.....	11·54	11·38	11·50
Winnipeg	.....	.....	.....	11·69	12·00	12·00
Saskatchewan—						
Moose Jaw	.....	.....	.....	10·00	10·00	10·00
Prince Albert	.....	.....	.....	9·75	10·00	10·00
Regina	.....	.....	.....	14·44	10·49	10·59
Saskatoon	.....	.....	.....	9·75	9·75	9·75
Alberta—						
Calgary	.....	.....	.....	(a) 8·50	8·50	8·50
				(b) 9·25	9·25	9·25
Edmonton	.....	.....	.....	5·75	5·75	5·75
British Columbia—						
Nelson	.....	.....	.....	11·53	11·50	11·50
New Westminster	.....	.....	.....	11·75	11·75	11·79
Prince Rupert	.....	.....	.....	11·50	11·50	11·58
Trail	.....	.....	.....	11·00	11·00	11·00
Vancouver	.....	.....	.....	11·52	11·92	11·90
Victoria	.....	.....	.....	11·50	11·73	11·34

(a) Drumheller lump. (b) Edmonton lump.

Note—Prices for 1927 are for fuel used predominantly in each particular section. The averages for 1928 and 1929 have been calculated according to a different method from that used in earlier years; 1927 prices are therefore not absolutely comparable with those for the following years.

Table 33.—Employees, Salaries and Wages in the Coal Mines in Canada, by Provinces, 1929

Province	Average number of employees					Salaries and wages		
	Salaried employees		Wage-earners		Total	Salaries	Wages	Total
	Male	Female	Surface	Underground				
						$	$	$
Nova Scotia	513	51	2,235	10,525	13,324	1,061,401	18,785,513	19,846,914
New Brunswick	25	2	126	452	605	51,312	542,469	593,781
Saskatchewan	29	2	127	434	592	70,304	530,391	600,695
Alberta	578	35	2,449	7,085	10,147	1,476,730	13,128,467	14,605,197
British Columbia	257	20	1,385	3,406	5,068	634,202	6,094,389	6,728,591
Yukon	.....	.....	1	2	3	.....	1,200	1,200
Canada	**1,402**	**110**	**6,323**	**21,904**	**29,739**	**3,293,949**	**39,082,429**	**42,376,378**

Table 34.—Employment and Earnings in the Coal Mines of Canada, 1925-1929

—	1925	1926	1927	1928	1929
Average number of wage-earners—					
Surface	5,787	6,268	6,446	6,522	6,323
Underground	17,703	20,610	21,911	22,232	21,904
Total	**23,490**	**26,878**	**28,357**	**28,754**	**28,227**
Days work done—					
Surface	1,510,839	1,700,806	1,790,624	1,808,183	1,736,276
Underground	3,918,692	4,855,221	5,322,664	5,358,827	5,381,416
Total	**5,429,531**	**6,556,027**	**7,113,288**	**7,167,010**	**7,117,692**
Average number of days worked per man per year—					
Surface	261	271	278	277	275
Underground	221	235	243	241	246
By all wage-earners	**231**	**244**	**251**	**249**	**252**
Total wages paid	**$ 29,898,496**	**$ 32,603,276**	**$ 35,807,290**	**$ 39,932,353**	**$ 39,082,429**
Average wage earned per man per day	**$ 5·51**	**$ 4·97**	**$ 5·03**	**$ 5·57**	**$ 5·49**

Table 35.—Wage-earners Employed in the Coal Mines of Canada by Months and by Provinces, 1925-1929

Month and year		Nova Scotia	New Brunswick	Saskatchewan	Alberta	British Columbia	Yukon	Canada
January	1925	12,233	642	755	11,938	5,494	.....	31,062
	1926	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
February	1925	12,223	632	647	10,410	5,504	.....	29,446
	1926	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	.....	30,096
	1929	12,665	698	691	11,098	4,953	.....	30,105
March	1925	9,327	570	547	8,648	5,428	.....	24,520
	1926	9,571	616	537	8,318	5,178	.....	24,220
	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	592	9,212	5,105	.....	27,975
April	1925	2,448	620	369	6,717	5,355	4	15,513
	1926	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	7,669	4,800	.....	26,835
	1929	12,578	560	413	7,610	4,946	.....	26,107
May	1925	2,330	628	300	6,216	5,014	4	14,492
	1926	12,503	536	335	6,195	4,927	.....	24,496
	1927	12,922	541	316	6,782	4,873	.....	25,134
	1928	13,617	523	307	6,837	4,879	.....	26,163
	1929	12,700	533	373	7,220	4,365	.....	25,201
June	1925	2,325	651	309	6,634	5,072	4	11,995
	1926	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
July	1925	2,422	619	324	6,247	5,188	4	14,804
	1926	12,615	513	271	6,463	4,809	2	24,673
	1927	13,227	543	297	7,477	4,757	3	26,304
	1928	13,433	527	304	7,698	4,958	4	26,924
	1929	12,629	530	375	8,053	4,370	3	25,960
August	1925	9,935	627	309	7,069	5,213	4	23,157
	1926	12,515	522	241	7,583	4,886	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
September	1925	11,398	589	431	8,590	5,308	4	26,320
	1926	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	9,376	5,042	4	28,378
	1929	12,850	515	614	9,902	4,871	3	28,755
October	1925	11,595	588	713	9,682	5,360	.....	27,938
	1926	12,844	498	568	10,193	5,128	.....	29,231
	1927	13,469	582	662	9,576	5,114	.....	29,403
	1928	12,013	843	738	10,412	5,269	.....	30,175
	1929	12,936	538	732	10,989	5,041	.....	30,236
November	1925	11,038	599	768	10,862	5,514	.....	29,672
	1926	13,089	522	698	11,114	5,264	.....	30,687
	1927	13,424	551	789	10,808	5,268	.....	30,840
	1928	13,162	612	773	11,181	5,047	.....	30,775
	1929	12,989	558	737	11,239	5,047	.....	30,570
December	1925	11,831	617	727	11,181	5,582	.....	29,938
	1926	13,420	541	694	11,323	5,273	.....	31,251
	1927	13,496	590	740	11,647	5,293	.....	31,766
	1928	13,172	601	719	11,417	4,943	.....	30,912
	1929	13,082	583	731	11,507	5,067	.....	30,973
Average	**1925**	**8,333**	**614**	**517**	**8,686**	**5,336**	**4**	**23,490**
	1926	**12,100**	**544**	**476**	**8,667**	**5,095**	**2**	**26,878**
	1927	**13,347**	**558**	**508**	**8,932**	**5,038**	**3**	**28,357**
	1928	**13,333**	**585**	**5[illegible]**	**9,28[illegible]**	**5,043**	**4**	**28,754**
	1929	**12,760**	**578**	**561**	**9,534**	**4,791**	**3**	**28,227**

Table 36.—Wage-earners Employed, Days' Work Done by Months in the Coal Mines of Canada, 1929, with Comparative Totals for 1928

Month	Number of wage-earners			Days' work done		
	Surface	Underground	Total	Surface	Underground	Total
January	6,569	23,891	30,460	154,782	489,456	644,238
February	6,543	23,562	30,105	149,289	485,257	634,546
March	6,223	21,752	27,975	136,384	417,539	553,923
April	5,967	20,140	26,107	135,720	415,070	550,790
May	5,832	19,369	25,201	136,847	424,719	561,566
June	5,943	19,777	25,720	137,669	422,374	560,043
July	6,037	19,923	25,960	136,086	412,598	548,684
August	6,229	20,402	26,631	147,470	439,168	586,638
September	6,486	22,269	28,755	147,727	447,020	594,747
October	6,705	23,531	30,236	158,323	500,444	658,767
November	6,623	23,947	30,570	147,255	470,562	617,817
December	6,704	24,269	30,973	148,724	457,209	605,933
Total for 1929	.....	.....	.....	1,736,276	5,381,416	7,117,692
Total for 1928	.....	.....	.....	1,808,183	5,358,827	7,167,010

Table 37.—Wage-earners Employed in the Coal Mines of Canada, by Classes and by Provinces, 1929, with Comparative Totals for 1928

Classification	Province						Canada		
	Nova Scotia	New Brunswick	Saskatchewan	Alberta	British Columbia	Yukon	Surface	Underground	Total
SURFACE—									
Administration	77	14	10	92	27	.....	197	23	220
Foremen and clerks	157	15	18	217	110	.....	501	16	517
Screenmen and loaders	648	34	35	770	175	.....	1,562	100	1,662
UNDERGROUND—									
Officials	504	10	11	331	149	.....	6	999	1,005
Hand cutters and helpers	1,340	380	253	2,499	1,434	1	2	5,905	5,907
Machine cutters	1,634	4	18	414	81	.....	.....	2,151	2,151
Machine loaders and helpers	1,229	13	46	1,598	170	.....	.....	3,056	3,056
Horse haulage employees	666	1	61	649	388	1	41	1,725	1,766
Mechanical haulage employees	1,605	14	11	391	338	.....	80	2,279	2,359
Ventilation employees	299	.....	1	99	39	.....	4	434	438
Roadmakers	290	5	16	184	83	.....	10	568	578
Timbermen	835	15	7	298	196	.....	19	1,332	1,351
Pumpmen	112	2	8	46	32	.....	8	192	200
MISCELLANEOUS—									
Enginemen	202	10	10	165	76	.....	446	17	463
Firemen	147	4	14	118	58	.....	340	1	341
Machinists	192	1	3	86	68	.....	335	15	350
Carpenters and masons	108	8	7	77	90	.....	289	1	290
Other mechanics	273	2	6	111	117	.....	288	221	509
All other white employees	2,442	46	26	1,389	754	1	1,974	2,684	4,658
Japanese	.....	.....	.....	.....	53	.....	1	52	53
Chinese	.....	.....	.....	.....	341	.....	220	121	341
Indians	.....	.....	.....	.....	12	.....	.....	12	12
Total for 1929	12,760	578	561	9,534	4,791	3	6,323	21,904	28,227
Total for 1928	13,333	585	509	9,289	5,043	4	6,522	22,232	28,754

Table 38.—Fatal and Non-Fatal Accidents in the Coal Mining Industry in Canada, by Provinces, 1929, with Comparative Totals for 1928

—	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	10	846	1	52	.....	5	14	46	7	277	32	1,226
Mine cars and locomotives	6	585	.....	38	.....	8	8	48	4	168	18	847
Gas and dust explosions	.....	5	.....	6	.....	.....	.....	4	.....	8	.....	23
Explosives	.....	3	.....	8	.....	.....	2	21	.....	1	2	33
Electricity	1	2	.....	.....	.....	.....	1	.....	.....	1	2	3
Timbering	.....	.....	.....	.....	.....	.....	.....	7	.....	.....	.....	7
Mining and loading	.....	.....	.....	.....	.....	.....	1	16	.....	.....	1	16
Coal cutting machines	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	.....	2
Miscellaneous	4	781	1	84	.....	22	2	6	.....	388	7	1,281
Total underground	21	2,222	2	188	.....	37	28	148	11	843	62	3,438
SURFACE												
Haulage and cars	.....	89	.....	6	.....	.....	1	1	1	39	2	135
Machinery	1	36	.....	1	.....	.....	.....	6	.....	24	1	67
Miscellaneous	.....	217	.....	12	.....	.....	2	12	.....	166	2	407
Total surface	1	342	.....	19	.....	.....	3	19	1	229	5	609
Total for 1929	**22**	**2,564**	**2**	**207**	.....	**37**	**31**	**167**	**12**	**1,072**	**67**	**4,047**
Total for 1928	**28**	**2,411**	**2**	**221**	.....	**34**	**27**	**193**	**14**	**1,223**	**72**	**4,082**

Table 39.—Fuel and Electricity Used in the Coal Mining Industry in Canada by Kinds and by Provinces, 1929

Province	Coal			Gasoline and kerosene	Wood	Electricity purchased	Total value	Electricity generated	
	Bituminous	Sub-bituminous	Lignite					For own use	For sale
	Tons	Tons	Tons	Imp. gal.	Cords	K.W.H.	$	K.W.H.	K.W.H.
NOVA SCOTIA—									
Quantity	523,149	.....	.....	.....	.....	6,721,670	.....	77,774,932	3,761,935
Value.....$	1,991,242	.....	.....	.....	.....	168,362	**2,159,604**	.....	27,169
NEW BRUNSWICK—									
Quantity	7,396	.....	.....	.....	.....	.....	.....	1,000,000	.....
Value.....$	30,714	.....	.....	.....	.....	.....	**30,714**	.....	.....
SASKATCHEWAN—									
Quantity	.....	.....	36,966	175	.....	25,335	.....	1,050,000	.....
Value.....$	.....	.....	41,687	55	.....	860	**42,602**	.....	.....
ALBERTA—									
Quantity	103,042	33,410	115,282	6,477	1,960	21,592,293	.....	9,585,478	1,264,252
Value.....$	328,112	56,038	100,454	2,022	9,055	294,289	**789,970**	.....	36,252
BRITISH COLUMBIA—									
Quantity	161,352	.....	.....	4,863	48	11,987,160	.....	19,534,294	1,528,035
Value.....$	526,109	.....	.....	1,362	240	106,739	**634,450**	.....	36,900
YUKON—									
Quantity	3	.....	.....	.....	.....	.....	.....	.....	.....
Value.....$	15	.....	.....	.....	.....	.....	**15**	.....	.....
Canada—									
Quantity	**794,942**	**33,410**	**152,248**	**11,515**	**2,008**	**40,326,458**	.....	**108,944,704**	**6,554,222**
Value.....$	**2,876,192**	**56,038**	**142,141**	**3,439**	**9,295**	**570,250**	**3,657,355**	.....	**100,321**

Table 40.—Power Employed in the Coal Mining Industry in Canada, by Provinces, 1929, with Comparative Totals for 1928

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.	83	3	.....	86	135	**221**	308	443	132
	H.P.	57,845	44	.....	57,889	3,967	**61,856**	33,589	37,556	36,627
New Brunswick	No.	14	.....	.....	14	.....	**14**	24	24	14
	H.P.	878	.....	.....	878	.....	**878**	373	373	1,055
Saskatchewan	No.	32	2	.....	34	8	**42**	31	39	14
	H.P.	1,910	8	.....	1,918	82	**2,000**	559	641	1,719
Alberta	No.	229	39	.....	268	625	**893**	289	914	183
	H.P.	31,079	274	.....	31,353	21,383	**52,736**	7,614	28,997	23,828
British Columbia	No.	99	3	2	104	43	**147**	230	273	89
	H.P.	22,029	54	12,000	34,083	1,904	**35,987**	15,234	17,138	15,338
Yukon	No.	.....	.....	.....	.....	.....	.....	.....	.....	1
	H.P.	.....	.....	.....	.....	.....	.....	.....	.....	50
Total for 1929	**No.**	**457**	**47**	**2**	**506**	**811**	**1,317**	**882**	**1,693**	**433**
	H.P.	**113,741**	**380**	**12,000**	**126,121**	**27,336**	**153,457**	**57,369**	**84,705**	**78,617**
Total for 1928	**No.**	**488**	**56**	**2**	**546**	**688**	**1,234**	**861**	**1,549**	**473**
	H.P.	**110,389**	**386**	**12,000**	**122,775**	**23,645**	**146,420**	**53,170**	**76,815**	**85,016**

Table 41.—Capital Employed in the Coal Mines of Canada by Provinces as at December 15, 1928 and 1929

Province	1928				1929			
	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	47,063,302	3,184,255	6,999,893	**57,247,450**	46,662,239	4,560,401	4,582,887	**55,805,527**
New Brunswick	1,432,033	24,687	188,584	**1,645,304**	1,452,893	24,243	179,527	**1,656,663**
Saskatchewan	3,746,791	61,512	162,999	**3,971,302**	3,749,528	83,339	163,851	**3,996,718**
Alberta	47,006,422	1,113,144	8,218,333	**56,337,899**	47,031,532	1,072,587	7,968,965	**56,073,084**
British Columbia	24,593,123	703,161	2,134,586	**27,430,870**	21,262,840	663,795	2,105,100	**24,031,735**
Yukon	203,000	.....	.....	**203,000**	203,000	.....	.....	**203,000**
Canada	**124,044,671**	**5,086,759**	**17,704,395**	**146,835,825**	**120,362,032**	**6,404,365**	**15,000,330**	**141,766,727**

CHAPTER TWO

PRINCE EDWARD ISLAND

Prince Edward Island obtains its coal supply from Nova Scotia, New Brunswick, Great Britain and the United States. During 1929 coal made available for consumption within the province totalled 98,747 tons, consisting of 82,585 tons from Nova Scotia, 2,223 tons from Great Britain and 13,939 tons from the United States. In the previous year the total consumption was 85,903 tons made up of 91 per cent from Canadian sources and 9 per cent from the United States.

Table 42.—Imports into Prince Edward Island of Anthracite and Bituminous Coal by Ports of Entry, 1928 and 1929

(Short tons)

Port	Source	1928					1929				
		Anthracite			Bituminous all grades	Total coal	Anthracite			Bituminous all grades	Total coal
		Egg, nut, etc.	Dust	Total			Egg, nut, etc.	Dust	Total		
Charlottetown	U.S.	3,059	.....	3,059	2,983	6,042	4,121	.....	4,121	6,446	10,567
	G.B.	.....	.....	.....	.....	.....	2,223	.....	2,223	.....	2,223
Summerside	U.S.	706	.....	706	1,093	1,799	.....	836	836	2,536	3,372
Total	**U.S.**	**3,765**	.....	**3,765**	**4,076**	**7,841**	**4,121**	**836**	**4,957**	**8,982**	**13,939**
	G.B.	.....	.....	.....	.....	.....	**2,223**	.....	**2,223**	.....	**2,223**
Grand total	.....	**3,765**	.....	**3,765**	**4,076**	**7,841**	**6,344**	**836**	**7,180**	**8,982**	**16,162**

Table 43.—Summary Statistics for 1929—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	8,850	.....	.....	8,850
Total	8,850	.....	.....	8,850
February—				
Anthracite	.....	.....	.....	.....
Bituminous	4,154	.....	.....	4,154
Total	4,154	.....	.....	4,154
March—				
Anthracite	.....	.....	.....	.....
Bituminous	3,096	34	.....	3,130
Total	3,096	34	.....	3,130
April—				
Anthracite	.....	.....	.....	.....
Bituminous	2,774	.....	.....	2,774
Total	2,774	.....	.....	2,774
May—				
Anthracite	.....	.....	.....	.....
Bituminous	4,571	4,139	.....	8,710
Total	4,571	4,139	.....	8,710
June—				
Anthracite	.....	.....	.....	.....
Bituminous	5,179	1,120	.....	6,299
Total	5,179	1,120	.....	6,299
July—				
Anthracite	.....	665	.....	665
Bituminous	5,932	.....	.....	5,932
Total	5,932	665	.....	6,597
August—				
Anthracite	.....	714	.....	714
Bituminous	8,112	32	.....	8,144
Total	8,112	746	.....	8,858
September—				
Anthracite	.....	836	2,223	3,059
Bituminous	9,461	1,390	.....	10,851
Total	9,461	2,226	2,223	13,910
October—				
Anthracite	.....	1,295	.....	1,295
Bituminous	9,900	.....	.....	9,900
Total	9,900	1,295	.....	11,195
November—				
Anthracite	.....	1,447	.....	1,447
Bituminous	12,459	2,267	.....	14,726
Total	12,459	3,714	.....	16,173
December—				
Anthracite	.....	.....	.....	.....
Bituminous	8,097	.....	.....	8,097
Total	8,097	.....	.....	8,097
Total—				
Anthracite	.....	**4,957**	**2,223**	**7,180**
Bituminous	**82,585**	**8,982**	.....	**91,567**
Total	**82,585**	**13,939**	**2,223**	**98,747**

CHAPTER THREE

NOVA SCOTIA

Nova Scotia's coal output in 1929 advanced 4·64 per cent to a total of 7,056,133 tons as compared with 6,743,504 tons produced in the previous year. Collieries in Cape Breton, Cumberland and Inverness districts recorded appreciable increases in production during 1929, while Pictou district mines showed a 10·47 per cent decrease.

Shipments from Nova Scotia's mines totalled 6,363,984 tons, an increase of 3·36 per cent over the 1928 total of 6,157,049 tons. Water and rail shipments to Quebec points amounted to 2,372,293 tons or 37·28 per cent of the total tonnage shipped from the mines. Nova Scotia coal shipped to Ontario points from stock at Montreal was reported at 140,619 tons in 1929. Exclusive of coal sold for ships' bunkers and for railroad use, Nova Scotia coal shipped to points outside the province accounted for 49·33 per cent of the total mine shipments. These tonnages were shipped principally to Manitoba (Hudson Bay), New Brunswick, Newfoundland, Prince Edward Island, Quebec, and the United States.

The coal mines in Nova Scotia active during 1929 produced 81 per cent of their possible output; data concerning tonnage lost are only available since 1921, and during this nine-year period only once before have the mines in Nova Scotia equalled this production record. Losses in output due to causes other than strikes and lockouts in 1929 were estimated at 1,673,680 tons. Production per man-day during the year averaged 2·07 tons and time lost through strikes and lockouts totalled 5,805 man-days so that the computed loss in tonnage through this cause was 12,016 tons. Thus the total tonnage lost through various causes during 1929 was 1,685,696 tons.

Coal available for consumption in Nova Scotia in 1929 was 8 per cent higher than in the preceding year. The output for the year was 7·06 million tons; shipments to other provinces amounted to 2·89 million tons and exports totalled 0·35 million tons; additions to the local supply, obtained from the United States and Great Britain, amounted to 0·10 million tons, so that the amount available for consumption within the province was approximately 3·92 million tons.

Table 44.—Output of Coal from Nova Scotia Mines, 1785-1929

(Short tons)

Calendar year	Output	Value	Calendar year	Output	Value
		$			$
1785–1866	2,649,416	4,139,714	1898	2,563,180	4,004,970
1867	596,332	931,769	1899	3,148,822	5,622,898
1868	574,106	897,041	1900	3,623,536	8,088,250
1869	647,727	1,012,074	1901	4,158,068	6,496,982
1870	719,211	1,123,767	1902	5,161,316	9,216,636
1871	754,827	1,179,417	1903	5,653,338	10,095,246
1872	1,003,806	1,568,446	1904	5,596,241	9,993,288
1873	1,108,245	1,731,632	1905	5,646,583	10,083,184
1874	972,954	1,520,240	1906	6,220,505	11,108,044
1875	930,613	1,454,084	1907	6,354,133	12,764,999
1876	837,755	1,308,991	1908	6,652,539	13,364,476
1877	880,215	1,375,339	1909	5,652,989	11,354,643
1878	875,994	1,368,741	1910	6,431,142	12,919,705
1879	866,220	1,353,468	1911	7,004,420	14,071,379
1880	1,177,669	1,840,108	1912	7,783,888	17,374,750
1881	1,280,050	2,000,079	1913	7,980,073	17,812,663
1882	1,524,947	2,382,730	1914	7,370,924	16,452,955
1883	1,578,609	2,466,576	1915	7,463,370	16,659,308
1884	1,543,829	2,412,233	1916	6,912,140	18,514,662
1885	1,547,990	2,418,735	1917	6,327,091	19,410,737
1886	1,698,018	2,653,152	1918	5,818,562	21,095,470
1887	1,858,596	2,904,057	*1919	5,790,196	22,350,157
1888	1,942,231	3,034,735	*1920	6,437,156	32,314,523
1889	1,918,827	2,998,167	*1921	5,734,928	27,782,050
1890	2,181,033	3,407,864	*1922	5,569,072	24,629,921
1891	2,267,919	3,543,624	*1923	6,597,838	28,170,458
1892	2,159,389	3,374,046	*1924	5,557,441	22,280,554
1893	2,444,924	3,820,194	*1925	3,842,978	15,826,680
1894	2,527,982	3,949,970	*1926	6,747,477	26,845,226
1895	2,225,145	3,476,790	*1927	7,071,876	27,194,671
1896	2,508,579	3,919,655	*1928	6,743,504	27,427,556
1897	2,493,554	3,896,179	*1929	7,056,133	28,071,956
			Total	**238,967,271**	**621,862,615**

* For the years 1919–1929 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 45.—Output of Coal from Nova Scotia Mines, by Months, 1925-1929

(Short tons)

Month	1925	1926	1927	1928	1929
January	431,716	390,408	572,013	447,538	554,968
February	421,585	337,949	469,060	450,318	571,564
March	126,614	377,315	641,697	477,465	538,652
April	72,846	356,880	593,027	438,999	555,078
May	71,942	532,973	599,947	650,711	822,643
June	70,623	686,217	698,671	630,636	613,431
July	75,974	641,615	563,431	594,932	620,712
August	308,401	634,439	588,369	666,767	650,706
September	558,742	653,950	566,799	608,501	596,730
October	588,822	732,906	583,315	674,725	637,695
November	577,033	705,741	607,798	605,448	585,496
December	538,683	697,084	587,749	497,464	508,458
Total	**3,842,978**	**6,747,477**	**7,071,876**	**6,743,504**	**7,056,133**

Table 46.—Output of Coal by Districts in Nova Scotia, 1925-1929

(Short tons)

District	1925	1926	1927	1928	1929
Cape Breton	2,568,071	5,091,664	5,402,531	5,070,017	5,380,652
Cumberland	518,733	715,578	663,407	730,891	795,714
Inverness	149,668	147,139	129,520	135,866	157,470
Pictou	606,506	793,096	876,418	806,730	722,297
Total	**3,842,978**	**6,747,477**	**7,071,876**	**6,743,504**	**7,056,133**

Table 47.—Output of Coal by Principal Collieries in Nova Scotia, 1927-1929 (Average of 500 tons or more per month)

(Short tons)

Name	Address	1927	1928	1929
CAPE BRETON DISTRICT—				
Bras d'Or Coal Co.	Little Bras d'Or Bridge	84,715	86,596	117,584
Dominion Coal Co., Ltd.	Glace Bay	4,617,905	4,178,351	4,446,377
Indian Cove Coal Co., Ltd.	Sydney Mines	50,285	45,735	49,193
Nova Scotia Steel and Coal Co., Ltd.	Sydney Mines	649,626	757,459	765,433
All other operators		.....	1,876	2,065
Total		5,402,531	5,070,017	5,380,652
CUMBERLAND DISTRICT—				
Boston Coal Co.	River Hébert	10,036	8,251	.....
Burke, Chas. (formerly Burke, Herbert, & White)	Joggins Mines	9,206	4,935	1,994
Cumberland Railway and Coal Co., Ltd.	Springhill	486,435	556,899	637,387
Enterprise Coal Co., Ltd.	Amherst	11,268	1,861	.....
Maritime Coal, Railway & Power Co., Ltd.	Joggins Mines	98,236	98,886	96,593
River Hébert Coal Co.	River Hébert	13,764	15,799	4,490
Standard Coal Co. (formerly Emmerson Coal Co., Ltd.)	River Hébert	10,225	946	.....
Victoria Coal Co., Ltd. (operating No. 2 Mine Minudie Coal Co.)	New Glasgow	24,056	43,311	55,250
All other operators		181	.....	.....
Total		663,407	730,891	795,714
INVERNESS DISTRICT—				
Inverness Railway and Coal Co.	Inverness	129,272	135,564	157,047
All other operators		248	302	323
Total		129,520	135,866	157,470
PICTOU DISTRICT—				
Acadia Coal Co., Ltd.	Stellarton	623,893	569,905	496,897
Greenwood Coal Co., Ltd.	New Glasgow	40,236	30,381	31,948
Intercolonial Coal Co., Ltd.	Westville	212,289	206,444	193,452
Total		876,418	806,730	722,297
Total Nova Scotia		**7,071,876**	**6,743,504**	**7,056,133**

Table 48.—Tonnage Lost in Nova Scotia Coal Mines Showing by Districts the Relative Percentages Produced and Lost, with an Analysis of the Percentage Lost, 1928 and 1929

District		Per cent produced	Per cent lost	Percentage lost through				
				Absenteeism	Lack of orders	Car shortage	Mine disability	Other causes
Cape Breton	1928	75	25	4·6	16·6	0·0	3·5	0·3
	1929	81	19	2·9	7·8	0·0	8·1	0·2
Cumberland	1928	75	25	4·5	11·5	0·0	0·7	8·3
	1929	80	20	6·4	3·2	0·0	1·4	8·9
Inverness	1928	85	15	0·0	14·5	0·0	0·0	0·5
	1929	88	12	0·0	11·4	0·0	0·5	0·1
Pictou	1928	78	22	6·4	14·3	0·0	0·1	1·2
	1929	83	17	8·2	6·4	0·0	0·6	1·8
Nova Scotia	**1928**	**75**	**25**	**4·8**	**16·0**	**0·0**	**2·8**	**1·4**
	1929	**81**	**19**	**3·8**	**7·3**	**0·0**	**6·5**	**1·4**

Table 49.—Disposition of Coal from Nova Scotia Mines, 1928 and 1929

(Short tons)

—	1928 Total		1929 Total	
	Short tons	Value	Short tons	Value
		$		$
Supplied to employees for domestic consumption	121,551	429,872	129,840	479,760
Coal shipped as per Table 51	6,157,049	24,883,892	6,363,984	25,225,533
Used under colliery boilers	366,829	1,402,637	365,492	1,382,711
Used by companies' railroads	47,338	200,297	48,424	213,451
Used in shops, etc	93,911	340,215	108,509	392,114
Used by harbour tugs and dredges	1,432	5,761	724	2,966
Put on bank	599,774	2,406,003	855,026	3,309,452
Put on waste heap	19,523	.....	14,844	.....
Total disposition	**7,407,407**	**29,668,677**	**7,886,843**	**31,005,987**
Lifted from bank	663,903	2,241,121	830,710	2,934,031
Total output	**6,743,504**	**27,427,556**	**7,056,133**	**28,071,956**

Table 50.—Tonnages Put on Bank and Lifted from Bank in Nova Scotia, 1925-1929

(Short tons)

Month	1925		1926		1927		1928		1929	
	Put on bank	Lifted from bank	Put on bank	Lifted from bank	Put on bank	Lifted from bank	Put on bank	Lifted from bank	Put on bank	Lifted from bank
On bank at first of year	141,826	.....	92,108	.....	145,909	.....	199,710	.....	135,581	.....
January	43,259	5,150	57,195	10,506	54,936	7,928	123,182	4,110	111,666	4,037
February	157,489	1,937	66,495	8,559	55,388	7,081	122,871	2,106	198,507	3,013
March	4,118	88,070	44,566	7,192	240,211	5,379	153,281	4,157	188,875	2,957
April	2,306	108,489	42,499	8,158	186,871	5,960	104,256	1,851	187,488	2,599
May	2,355	72,268	7,871	34,302	11,798	22,594	6,004	73,446	8,141	101,314
June	4,677	31,119	16,555	54,775	3,564	118,838	1,886	89,469	10,616	173,870
July	7,054	23,391	9,616	75,652	2,568	118,021	4,978	114,502	10,188	158,076
August	11,906	11,203	8,080	63,496	2,718	135,151	1,887	121,402	4,424	109,467
September	17,474	8,325	12,622	25,734	7,086	129,460	3,407	126,895	10,737	122,699
October	20,692	9,316	12,299	8,319	2,935	89,572	8,846	106,256	9,435	120,688
November	11,919	21,029	35,387	11,429	10,410	15,507	4,147	15,942	19,849	18,996
December	57,162	9,832	58,170	7,550	127,689	2,882	65,029	3,779	95,100	12,994
Total	**340,411**	**390,129**	**371,355**	**315,672**	**712,174**	**658,373**	**599,774**	**663,903**	**855,026**	**830,710**

Table 51.—Shipments of Coal from Nova Scotia Mines by Grades and by Destinations, 1928 and 1929

(Short tons)

Destination	1928				1929			
	Run-of-mine	Screened	Slack	**Total**	Run-of-mine	Screened	Slack	**Total**
Coal supplied for bunkers	304,536	7,496	3,881	**315,913**	253,946	4,364	.....	**258,310**
Coal supplied to railroads	694,484	337,200	20,820	**1,052,504**	617,510	493,371	25,167	**1,136,048**
Nova Scotia by land	331,738	540,388	660,557	**1,532,683**	293,703	567,693	808,806	**1,670,202**
Nova Scotia by sea	14,475	69,694	19,628	**103,797**	42,148	83,349	34,493	**159,990**
New Brunswick	170,198	123,020	107,466	**400,684**	170,287	139,158	117,791	**427,236**
Newfoundland	5,310	262,950	7,135	**275,395**	9,916	233,863	540	**244,319**
Prince Edward Island	5,784	71,007	1,271	**78,062**	3,130	77,161	2,214	**82,505**
Quebec	66,346	1,172,220	1,143,579	**2,382,145**	67,474	1,137,079	1,167,740	**2,372,293**
Manitoba (Hudson Bay)	.....	3,363	.....	**3,363**	184	6,835	.....	**7,019**
United States	609	4,281	.....	**4,890**	.....	4,654	.....	**4,654**
Labrador	.....	347	.....	**347**	.....	401	.....	**401**
Other countries	486	6,780	.....	**7,266**	.....	438	.....	**438**
Lost at sea	.....	.....	.....	.....	.....	569	.....	**569**
Total	**1,593,966**	**2,598,746**	**1,964,337**	**6,157,049**	**1,458,298**	**2,748,935**	**2,156,751**	**6,363,984**

Table 52.—Exports of Canadian Coal through Nova Scotia Ports, 1925-1929

(Short tons)

Port	1925	1926	1927	1928	1929
Amherst	311				
Baddeck					
Glace Bay					
Halifax	6,485	662	43	96	160
Lunenburg					5
North Sydney	94,374	117,732	127,151	101,026	122,435
Parrsboro'	204				
Pictou				2,452	2,122
Port Hawkesbury					
Sydney	139,165	441,152	402,773	240,805	226,454
Total	**240,539**	**559,546**	**529,967**	**344,379**	**351,176**

Table 53.—Imports into Nova Scotia of Anthracite and Bituminous Coal by Ports of Entry, 1928 and 1929

(Short tons)

Port	Source	1928					1929				
		Anthracite			Bituminous, all grades	Total coal	Anthracite			Bituminous, all grades	Total coal
		Egg, nut, etc.	Dust	Total			Egg, nut, etc.	Dust	Total		
Amherst	U.S.										
Annapolis	U.S.	896		896		896	368		368	5	373
	G.B.										
Antigonish	U.S.										
Arichat	U.S.										
Baddeck	U.S.										
Barrington Passage	U.S.						719		719		719
Bridgewater	U.S.	704		704		704					
Canso	U.S.	1,396		1,396		1,396	884		884		884
Digby	U.S.	396		396		396	292		292		292
	G.B.										
Glace Bay	U.S.										
Halifax	U.S.	11,151		11,151	26,933	38,084	8,248		8,248	13,332	21,580
	G.B.	29,269		29,269	4,381	33,650	31,612		31,612	21,991	53,603
	Russia						5,601		5,601		5,601
Kentville	U.S.	561		561		561	515		515		515
Liverpool	U.S.	40		40		40	1,309		1,309		1,309
Lockeport	U.S.										
Lunenburg	U.S.	4,639		4,639	540	5,179	4,930		4,930	816	5,746
	G.B.										
Middleton	U.S.										
New Glasgow	U.S.										
North Sydney	U.S.	20		20		20					
Parrsboro'	U.S.										
Pictou	U.S.										
Port Hawkesbury	U.S.										
Port Hood	U.S.										
Shelburne	U.S.										
	G.B.	45		45		45					
Truro	U.S.										
Weymouth	U.S.	304		304		304	658		658		658
Windsor	U.S.						681		681		681
Yarmouth	U.S.	9,708		9,708		9,708	8,091		8,091		8,091
Total	**U.S.**	**29,815**		**29,815**	**27,473**	**57,288**	**26,695**		**26,695**	**14,153**	**40,848**
	G.B.	**29,314**		**29,314**	**4,381**	**33,695**	**31,612**		**31,612**	**21,991**	**53,603**
	Russia						**5,601**		**5,601**		**5,601**
Grand Total		**59,129**		**59,129**	**31,854**	**90,983**	**63,908**		**63,908**	**36,144**	**100,052**

Table 54.—Summary Statistics for 1929-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	.....	.....	.....	.....	821	3,991	.....	4,812
Bituminous	554,968	.....	96,215	49,528	.....	4,892	.....	414,117
Total	554,968	.....	96,215	49,528	821	8,883	.....	418,929
February—								
Anthracite	.....	.....	.....	.....	2,907	.....	.....	2,907
Bituminous	571,564	.....	76,766	15,469	.....	2,800	.....	482,129
Total	571,564	.....	76,766	15,469	2,907	2,800	.....	485,036
March—								
Anthracite	.....	.....	.....	.....	.....	2,094	.....	2,094
Bituminous	538,652	.....	68,946	18,672	2,475	.....	.....	453,509
Total	538,652	.....	68,946	18,672	2,475	2,094	.....	455,603
April—								
Anthracite	.....	.....	.....	.....	.....	4,548	.....	4,548
Bituminous	555,078	.....	72,089	6,823	2,490	2,735	.....	481,391
Total	555,078	.....	72,089	6,823	2,490	7,283	.....	485,939
May—								
Anthracite	.....	.....	.....	.....	1,434	3,315	.....	4,749
Bituminous	622,643	.....	339,340	23,361	3,262	1,022	.....	264,226
Total	622,643	.....	339,340	23,361	4,696	4,337	.....	268,975
June—								
Anthracite	.....	.....	.....	.....	2,718	.....	.....	2,718
Bituminous	613,431	.....	409,122	46,889	.....	2,974	.....	160,394
Total	613,431	.....	409,122	46,889	2,718	2,974	.....	163,112
July—								
Anthracite	.....	.....	.....	.....	5,431	4,231	.....	9,662
Bituminous	620,712	.....	389,956	31,058	5	.....	.....	199,703
Total	620,712	.....	389,956	31,058	5,436	4,231	.....	209,365
August—								
Anthracite	.....	.....	.....	.....	1,734	.....	.....	1,734
Bituminous	650,706	.....	391,815	20,215	2,781	.....	.....	241,457
Total	650,706	.....	391,815	20,215	4,515	.....	.....	243,191
September—								
Anthracite	.....	.....	.....	.....	4,438	.....	5,601	10,039
Bituminous	596,730	.....	367,023	44,643	816	3,066	.....	188,946
Total	596,730	.....	367,023	44,643	5,254	3,066	5,601	198,985
October—								
Anthracite	.....	.....	.....	.....	3,000	7,035	.....	10,035
Bituminous	637,695	.....	384,339	22,750	.....	2,021	.....	232,627
Total	637,695	.....	384,339	22,750	3,000	9,056	.....	242,662
November—								
Anthracite	.....	.....	.....	.....	3,354	.....	.....	3,354
Bituminous	585,496	.....	221,539	34,200	2,324	.....	.....	332,081
Total	585,496	.....	221,539	34,200	5,678	.....	.....	335,435
December—								
Anthracite	.....	.....	.....	.....	858	6,398	.....	7,256
Bituminous	508,458	.....	71,903	37,568	.....	2,481	.....	401,468
Total	508,458	.....	71,903	37,568	858	8,879	.....	408,724
Total—								
Anthracite	.....	.....	.....	.....	**26,695**	**31,612**	**5,601**	**63,908**
Bituminous	**7,056,133**	.....	**2,889,053**	**351,176**	**14,153**	**21,991**	.....	**3,852,048**
Total	**7,056,133**	.....	**2,889,053**	**351,176**	**40,848**	**53,603**	**5,601**	**3,915,956**

Table 55.—Employees, Salaries and Wages in the Coal Mines of Nova Scotia by Districts, 1928 and 1929

District	Average number of employees					Salaries and wages		
	Salaried employees		Wage-earners		Total			
	Male	Female	Surface	Underground		Salaries	Wages	Total
						$	$	$
1928								
Cape Breton	342	24	1,401	7,706	9,473	764,263	14,166,221	14,930,484
Cumberland	58	8	394	1,357	1,817	103,669	1,961,243	2,064,912
Inverness	12	3	112	343	470	25,118	465,666	490,784
Pictou	71	6	433	1,587	2,097	162,263	2,292,247	2,454,510
Nova Scotia	**483**	**41**	**2,340**	**10,993**	**13,857**	**1,055,313**	**18,885,377**	**19,940,690**
1929								
Cape Breton	384	34	1,368	7,491	9,277	785,222	13,833,918	14,619,140
Cumberland	51	8	334	1,308	1,701	95,834	2,217,809	2,313,643
Inverness	10	3	119	360	492	24,207	533,379	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**

Table 56.—Employment and Earnings in the Coal Mines of Nova Scotia, 1925-1929

—	1925	1926	1927	1928	1929
Average number of wage-earners—					
Surface	1,644	2,222	2,321	2,340	2,235
Underground	6,689	9,878	10,996	10,993	10,525
Total	**8,333**	**12,100**	**13,317**	**13,333**	**12,760**
Days' work done—					
Surface	421,640	613,136	627,536	625,764	642,106
Underground	1,448,327	2,375,145	2,634,594	2,611,523	2,760,856
Total	**1,869,967**	**2,988,281**	**3,262,130**	**3,237,287**	**3,402,962**
Average number of days worked per man per year—					
Surface	256	276	270	267	287
Underground	217	240	239	238	262
By all wage-earners	**224**	**247**	**245**	**243**	**266**
Total wages paid	**$ 10,707,656**	**$ 14,041,702**	**$ 15,676,318**	**$ 18,885,377**	**18,785,513**
Average wage earned per man per day	**$ 5·73**	**$ 4·69**	**$ 4·81**	**$ 5·83**	**$ 5.52**

Table 57.—Wage-Earners, Work Done by Months in the Nova Scotia Coal Mines in 1929

Month	Number of wage-earners			Days' work done		
	Surface	Underground	Total	Surface	Underground	Total
January	2,247	10,659	**12,906**	53,560	226,561	**280,121**
February	2,226	10,439	**12,665**	50,713	220,675	**271,388**
March	2,119	10,281	**12,400**	48,236	207,684	**255,920**
April	2,211	10,367	**12,578**	52,274	218,597	**270,871**
May	2,223	10,477	**12,700**	54,972	239,341	**294,313**
June	2,251	10,573	**12,824**	52,790	234,557	**287,317**
July	2,264	10,365	**12,629**	53,957	239,043	**293,000**
August	2,243	10,316	**12,559**	57,476	249,446	**306,922**
September	2,243	10,607	**12,850**	53,477	234,889	**288,366**
October	2,269	10,667	**12,936**	56,791	249,872	**306,663**
November	2,256	10,733	**12,989**	53,728	233,411	**287,139**
December	2,265	10,817	**13,082**	54,132	206,780	**260,912**
Total	.....	.....	.....	**642,106**	**2,760,856**	**3,402,962**

Table 58.—Number of Man-Days Worked, by Districts, in Nova Scotia, 1928 and 1929

District	1928			1929		
	Surface	Underground	Total	Surface	Underground	Total
Cape Breton	365,529	1,796,971	**2,162,500**	375,614	1,913,256	**2,288,870**
Cumberland	101,226	326,517	**427,743**	101,375	367,023	**468,398**
Inverness	32,715	88,773	**121,488**	35,120	98,407	**133,527**
Pictou	126,294	399,262	**525,556**	129,997	382,170	**512,167**
Total	**625,764**	**2,611,523**	**3,237,287**	**642,106**	**2,760,856**	**3,402,962**

Table 59.—Wage-Earners Employed in Nova Scotia Coal Mines, by Classes, 1928 and 1929

Classification	1928			1929		
	Surface	Underground	Total	Surface	Underground	Total
SURFACE—						
Administration	63	14	**77**	62	15	**77**
Foremen and clerks	146	8	**154**	153	4	**157**
Screenmen and loaders	657	.....	**657**	648	.....	**648**
UNDERGROUND—						
Officials	3	480	**483**	1	503	**504**
Handcutters and helpers	.....	1,469	**1,469**	.....	1,340	**1,340**
Machine cutters	.....	1,832	**1,832**	.....	1,634	**1,634**
Machine loaders and helpers	.....	1,343	**1,343**	.....	1,229	**1,229**
Horse haulage employees	3	764	**767**	3	663	**666**
Mechanical haulage employees	7	1,678	**1,685**	5	1,600	**1,605**
Ventilation employees	2	365	**367**	2	297	**299**
Road-makers	.....	292	**292**	.....	290	**290**
Timbermen	.....	871	**871**	.....	835	**835**
Pumpmen	3	110	**113**	3	109	**112**
MISCELLANEOUS—						
Enginemen	188	20	**208**	189	13	**202**
Firemen	151	4	**155**	147	.....	**147**
Machinists	220	2	**222**	189	3	**192**
Carpenters and masons	113	.....	**113**	108	.....	**108**
Other mechanics	92	202	**294**	69	204	**273**
All other employees	692	1,539	**2,231**	656	1,786	**2,442**
Total	**2,340**	**10,993**	**13,333**	**2,235**	**10,525**	**12,760**

Table 60.—Capital Employed in the Coal Mines of Nova Scotia, 1928 and 1929

—	1928	1929
	$	$
Capital employed as represented by—		
Cost of lands, buildings, machinery and tools	47,063,302	46,662,239
Cost of supplies and stock on hand	3,184,255	4,560,401
Cash, trading and operating accounts and bills receivable	6,999,893	4,582,887
Total	**57,247,450**	**55,805,527**

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 61.—Rails used in Nova Scotia Mines during year ended September 30, 1929

—	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.	
Pictou	900	.....	.....	1,367	33,385	6,250	.....	.....	.....	.....	148·4
Cumberland	7,000	9,800	11,431	600	400	23,894	5,644	.....	1,500	.....	236·8
Inverness	.....	.....	6,430	.....	.....	.....	.....	.....	300	.....	19·7
Cape Breton	.....	.....	10,734	.....	120,463	74,066	.....	9,776	.....	26,827	1,137·8
Total	7,900	9,800	28,595	1,967	154,248	104,210	5,644	9,776	1,800	26,827	1,542·7

Table 62.—Timber used in the Coal Mines of Nova Scotia during the years ended September 30, 1928 and 1929

District	1928	1929						
	Total	Props	Booms	Sleepers	Caps	Chocks and Butts	Special	Total
	Lin. ft.	Lin. ft.	Lin. ft.	Lin. ft.	Lin. ft.	Lin. ft.	Lin. ft.	Lin. ft.
Cape Breton Co.	16,873,023	11,674,164	807,282	1,879,294	2,371,183	229,228	1,802,248	18,763,399
Inverness Co.	1,003,072	713,480	554,528	69,936	.....	.....	.....	1,337,944
Victoria Co.	2,200	.....	.....	.....	.....	.....	.....	.....
Richmond Co.	5,606	.....	.....	.....	.....	.....	.....	.....
Pictou Co.	7,010,689	3,548,020	1,679,356	112,507	151,415	1,239,810	.....	6,731,108
Cumberland Co.	4,959,084	1,508,858	550,778	184,159	50,000	2,734,805	.....	5,028,600
Total	29,853,674	17,444,522	3,591,944	2,245,896	2,572,598	4,203,843	1,802,248	31,861,051
Lin. ft. used per ton of coal raised.	4·96							5·03

Table 63.—Steel Booms used in the Coal Mines of Nova Scotia during the year ended September 30, 1929

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 Co.	144,732	.....	154,403	24,750	21,511
Inverness Co.	.....	.....	.....	.....	.....
Pictou Co.	.....	.....	54,930	.....	.....
Cumberland Co.	.....	117,697	32,456	.....	.....
Total	144,732	117,697	241,789	24,750	21,511

CHAPTER FOUR

NEW BRUNSWICK

Coal mines in New Brunswick produced 218,706 tons in 1929, the highest on record since 1923 and an increase of 5·28 per cent over the 1928 output of 207,738 tons. The mines in operation during the year produced 79 per cent of their possible output; the time lost was due principally to lack of orders and miscellaneous causes. The output loss during these temporary stoppages was computed at 58,609 tons.

Railroads offer the major market for New Brunswick coal; in 1929 coal shipped from the mines for railway use accounted for approximately 68 per cent of the total shipments. Local shipments were slightly higher than in 1928, and there were minor shipments to Prince Edward Island, Quebec and the United States.

Exports through New Brunswick ports totalled 20,609 tons, a decline of 36·61 per cent from the average for the five preceding years.

Employment was afforded 605 persons, whose total earnings amounted to $593,781 in 1929. Work done during the year amounted in the aggregate to 141,611 man-days; the average number of wage-earners employed was 578, so that each worker was given, on an average, 245 days' employment.

The coal mining situation in New Brunswick during the year ending October 31, 1929, has been summed up in the annual report of the Inspector of Mines as follows:—

"This is the best year since 1924, when the tonnage slightly exceeded that of 1929. It must again be pointed out, however, that this field is capable of much larger production. There are at least two sources for increased demand (a) a broader market, (b) local utilization of the coal. Minto coal is essentially an industrial fuel and when properly fired has proven satisfactory. Nevertheless, when Minto coal reaches our own seaboard on one side or the State of Maine on the other it meets the competition of Nova Scotia and American coals and this competition has always to be reckoned with. While there should be some increase in the demand for coal as industrials increase in the Province, no radical improvement in this respect may be expected. Of all coal shipped 67 per cent is absorbed by the two railways, the Canadian National and the Canadian Pacific.

"From time to time suggestions have been made leading up to the conversion of Minto coal into electrical power at the mine, as a means of using an increased amount of our Minto coal. The practicability of the scheme is one which could not properly be discussed here but if in the economy of extended power development in this province, a central generating plant could be established using Minto coal it would be of considerable benefit to the industry. It is well also to keep in mind the fact that already in this province a very high efficiency has been obtained by the use of this coal in pulverized form. Experience also has proven its adaptability to a power plant where a sufficient amount of power was being developed."

Table 64.—Output of Coal from New Brunswick Mines, 1887-1929

(Short tons)

Calendar year	Output	Value	Calendar year	Output	Value
		$			$
1887	10,040	23,607	1908	60,000	135,000
1888	5,730	11,050	1909	49,029	98,496
1889	5,673	11,733	1910	55,455	110,910
1890	7,110	13,850	1911	55,781	111,562
1891	5,422	11,030	1912	44,780	89,560
1892	6,768	9,375	1913	70,311	166,637
1893	6,200	9,837	1914	98,049	241,075
1894	6,469	10,264	1915	127,391	309,612
1895	9,500	14,250	1916	143,540	386,016
1896	7,500	11,250	1917	189,095	708,010
1897	6,000	9,000	1918	268,212	1,331,710
1898	6,160	9,240	*1919	166,377	735,386
1899	10,528	15,792	*1920	171,610	1,091,440
1900	10,000	15,000	*1921	187,192	929,666
1901	17,030	51,857	*1922	287,513	1,107,643
1902	18,795	39,680	*1923	276,617	1,196,772
1903	16,000	40,000	*1924	217,121	932,185
1904	9,112	18,224	*1925	208,012	815,367
1905	29,400	58,800	*1926	173,111	710,245
1906	34,076	68,152	*1927	203,950	885,038
1907	34,584	77,814	*1928	207,738	869,104
			*1929	218,706	909,169
			Total	**3,742,287**	**14,391,496**

* For the years 1919-1929 the tonnage shown is the total output from all mines; for previous years the figures given include only sales, colliery consumption and coal used by operators.

Table 65.—Output of Coal from New Brunswick Mines by Months, 1925-1929

(Short tons)

Month	1925	1926	1927	1928	1929
January	23,448	15,787	18,596	18,940	22,139
February	17,478	19,893	20,211	18,949	23,096
March	16,117	18,977	22,300	20,798	20,891
April	14,265	15,151	18,645	13,620	19,682
May	16,382	11,154	15,662	14,591	16,606
June	19,216	11,908	15,094	17,157	14,327
July	18,383	13,069	14,134	14,962	14,717
August	15,566	12,425	14,401	15,972	16,979
September	16,922	12,870	15,252	15,531	16,815
October	15,865	12,307	15,539	19,499	16,883
November	16,374	13,086	17,185	19,314	17,417
December	17,996	16,484	16,931	18,405	19,154
Total	**208,012**	**173,111**	**203,950**	**207,738**	**218,706**

Table 66.—Tonnage Lost in New Brunswick Coal Mines, Showing the Relative Percentage Produced and Lost, with an Analysis of the Percentage Lost, 1928 and 1929

Year	Per cent produced	Per cent lost	Percentage lost through				
			Absenteeism	Lack of orders	Car shortage	Mine disability	Other causes
1928	88	12	0·6	6·5	0·0	0·1	4·8
1929	79	21	0·1	9·0	0·0	0·1	11·8

Table 67.—Disposition of Coal from New Brunswick Mines by Grades, 1928 and 1929

(Short tons)

—	1928					1929				
	Run-of-mine	Screened	Slack	Total		Run-of-mine	Screened	Slack	Total	
				Quantity	Value				Quantity	Value
					$					$
Supplied to employees for domestic consumption	3,048	121	136	3,305	12,578	3,333	.....	67	3,400	12,585
Shipped as per Table 68	87,230	91,012	16,766	195,008	813,379	91,193	97,744	18,967	207,904	865,868
Used under colliery boilers, etc.	7,034	.....	689	7,723	35,733	5,686	.....	608	6,294	25,758
Used by companies' railroads	1,380	.....	.....	1,380	6,212	1,102	.....	.....	1,102	4,956
Put on bank	2,796	693	9,878	13,367	36,491	2,093	1,847	16,800	20,740	59,153
Put on waste heap	.....	.....	.....	55	.....	.....	.....	.....	53	.....
Total disposition	**101,488**	**91,826**	**27,469**	**220,838**	**904,393**	**103,407**	**99,591**	**36,442**	**239,493**	**968,620**
Lifted from bank	2,400	899	9,801	13,100	35,289	2,393	1,669	16,725	20,787	59,451
Total output	**99,088**	**90,927**	**17,668**	**207,738**	**869,104**	**101,014**	**97,922**	**19,717**	**218,706**	**909,169**

Table 68.—Shipments of Coal from New Brunswick Mines by Grades and Destination, 1928 and 1929

(Short tons)

Destination	1928				1929			
	Run-of-mine	Screened	Slack	Total	Run-of-mine	Screened	Slack	Total
New Brunswick (including local sales)	42,677	11,119	9,817	63,613	43,771	10,975	11,876	66,622
Prince Edward Island	.....	.....	.....	.....	.....	80	.....	80
Quebec	101	.....	.....	101	117	.....	98	215
Ontario	.....	.....	.....	.....	.....	.....	.....	.....
United States	.....	.....	.....	.....	.....	41	.....	41
Railroads	44,452	79,893	6,949	131,294	47,305	86,648	6,993	140,946
Total	**87,230**	**91,012**	**16,766**	**195,008**	**91,193**	**97,744**	**18,967**	**207,904**

Table 69.—Output of Coal by Principal Collieries in New Brunswick 1927-1929. (Average output of 500 tons or more per month)

(Short tons)

Name	Address	1927	1928	1929
Avon Coal Co., Ltd	St. John	38,017	46,013	51,503
Chipman Coal Co (formerly Burpee Construction Co.)	Chipman	4,480	6,760	7,338
Evans, W. B.	Minto	15,956	19,006	20,457
Minto Coal Co., Ltd	St. John	82,033	79,730	77,716
Miramichi Lumber Co., Ltd	Minto	27,484	22,575	22,545
Welton, Harvey	Minto	19,455	17,620	17,578
Welton & Henderson Ltd	Minto	12,846	12,532	16,683
All other operators	.....	3,679	3,502	4,886
Total	.....	**203,950**	**207,738**	**218,706**

Table 70.—Exports of Canadian Coal through New Brunswick Ports, 1925-1929

(Short tons)

Port	1925	1926	1927	1928	1929
McAdam Junction	437	157	187	1	.....
St. Andrews	.....	.....	.....	.....	.....
St. John	19,079	12,902	49,076	21,196	14,789
St. Stephen	197	258	.....	.....	.....
Woodstock	5,789	11,612	6,091	4,543	5,820
Total	**25,502**	**24,929**	**55,354**	**25,740**	**20,609**

Table 71.—Imports into New Brunswick of Anthracite and Bituminous Coal, by Sources and by Ports of Entry, 1928 and 1929

Port	Source	1928					1929				
		Anthracite			Bituminous all grades	Total	Anthracite			Bituminous all grades	Total
		Egg, nut, etc.	Dust	Total			Egg, nut, etc.	Dust	Total		
Bathurst	U.S.	.....	.....	.....	33	33	47	.....	47	31	78
Campbellton	U.S.	582	.....	582	1,102	1,684	775	.....	775	54	829
	G.B.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Chatham	U.S.	.....	.....	.....	41	41	.....	.....	.....	3,537	3,537
	G.B.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Fredericton	U.S.	790	.....	790	125	915	995	.....	995	169	1,164
McAdam Junction	U.S.	348	80	428	8,774	9,202	490	.....	490	42,513	43,003
Moncton	U.S.	897	.....	897	.....	897	1,813	.....	1,813	2,428	4,241
Newcastle	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	G.B.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sackville	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
St. Andrews	U.S.	814	103	917	36	953	485	218	703	.....	703
St. John	U.S.	31,619	1,968	33,587	34,246	67,833	36,876	202	37,078	25,838	62,916
	G.B.	29,880	.....	29,880	1,083	30,963	50,798	.....	50,798	341	51,139
	Russia	.....	.....	.....	.....	.....	12,697	.....	12,697	.....	12,697
St. Stephen	U.S.	1,733	32	1,765	4,786	6,551	2,782	35	2,817	893	3,710
	G.B.	4,181	.....	4,181	.....	4,181	.....	1,911	1,911	.....	1,911
Woodstock	U.S.	649	.....	649	341	990	390	.....	390	304	694
Total	**U.S.**	**37,432**	**2,183**	**39,615**	**49,484**	**89,099**	**44,653**	**455**	**45,108**	**75,767**	**120,875**
	G.B.	**34,061**	.....	**34,061**	**1,083**	**35,144**	**50,798**	**1,911**	**52,709**	**341**	**53,050**
	Russia	.....	.....	.....	.....	.....	**12,697**	.....	**12,697**	.....	**12,697**
Grand total		**71,493**	**2,183**	**73,676**	**50,567**	**124,243**	**108,148**	**2,366**	**110,514**	**76,108**	**186,622**

Table 72.—Summary Statistics for 1929-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	Exported				
January—								
Anthracite	.....	.....	.....	.....	3,975	14,031	.....	18,006
Bituminous	22,139	59,069	.....	4,345	5,322	.....	.....	82,185
Total	22,139	59,069	.....	4,345	9,297	14,031	.....	100,191
February—								
Anthracite	.....	.....	.....	.....	1,471	5,413	.....	6,884
Bituminous	23,096	40,157	98	3,720	1,369	171	.....	60,975
Total	23,096	40,157	98	3,720	2,840	5,584	.....	67,859
March—								
Anthracite	.....	.....	.....	.....	2,933	6,850	.....	9,783
Bituminous	20,891	43,780	.....	5,773	177	170	.....	59,245
Total	20,891	43,780	.....	5,773	3,110	7,020	.....	69,028
April—								
Anthracite	.....	.....	.....	.....	1,427	2,798	.....	4,225
Bituminous	19,682	34,369	.....	1,382	3,103	.....	.....	55,772
Total	19,682	34,369	.....	1,382	4,530	2,798	.....	59,997
May—								
Anthracite	.....	.....	.....	.....	4,608	2,694	.....	7,302
Bituminous	16,606	20,095	.....	559	3,654	.....	.....	39,796
Total	16,606	20,095	.....	559	8,262	2,694	.....	47,098
June—								
Anthracite	.....	.....	.....	.....	8,451	2,597	.....	11,048
Bituminous	14,327	22,783	.....	974	11,391	.....	.....	47,527
Total	14,327	22,783	.....	974	19,842	2,597	.....	58,575
July—								
Anthracite	.....	.....	.....	.....	961	2,240	.....	3,201
Bituminous	14,717	20,866	.....	86	10,253	.....	.....	45,750
Total	14,717	20,866	.....	86	11,214	2,240	.....	48,951
August—								
Anthracite	.....	.....	.....	.....	3,234	.....	5,963	9,197
Bituminous	16,979	17,857	.....	874	5,897	.....	.....	39,859
Total	16,979	17,857	.....	874	9,131	.....	5,963	49,056
September—								
Anthracite	.....	.....	.....	.....	4,301	4,216	.....	8,517
Bituminous	16,815	35,902	47	429	11,067	.....	.....	63,308
Total	16,815	35,902	47	429	15,368	4,216	.....	71,825
October—								
Anthracite	.....	.....	.....	.....	4,161	4,106	.....	8,267
Bituminous	16,883	40,996	29	533	9,432	.....	.....	66,749
Total	16,883	40,996	29	533	13,593	4,106	.....	75,016
November—								
Anthracite	.....	.....	.....	.....	3,458	1,911	.....	5,369
Bituminous	17,417	39,939	88	712	8,390	.....	.....	64,946
Total	17,417	39,939	88	712	11,848	1,911	.....	70,315
December—								
Anthracite	.....	.....	.....	.....	6,128	5,853	6,734	18,715
Bituminous	19,154	51,423	33	1,222	5,712	.....	.....	75,034
Total	19,154	51,423	33	1,222	11,840	5,853	6,734	93,749
Total—								
Anthracite	.....	.....	.....	.....	**45,108**	**52,709**	**12,697**	**110,514**
Bituminous	**218,706**	**427,236**	**295**	**20,699**	**75,767**	**341**	.....	**701,146**
Total	**218,706**	**427,236**	**295**	**20,699**	**120,875**	**53,050**	**12,697**	**811,660**

Table 73.—Employees, Salaries and Wages in the Coal Mines of New Brunswick, 1928 and 1929

—		1928	1929
Number of salaried employees—			
Male		25	25
Female		2	2
Number of wage-earners—			
Surface		126	126
Underground		459	452
Total		**612**	**605**
Salaries and wages—			
Salaries	$	48,800	51,312
Wages	$	553,447	542,469
Total	$	**602,247**	**593,781**

Table 74.—Employment and Earnings in the Coal Mines of New Brunswick, 1925-1929

—	1925	1926	1927	1928	1929
Average number of employees—					
Surface	146	129	128	126	126
Underground	468	415	430	459	452
Total	**614**	**544**	**558**	**585**	**578**
Days' work done—					
Surface	40,501	32,492	36,273	35,363	31,359
Underground	126,568	103,098	123,047	120,438	110,252
Total	**167,069**	**135,590**	**159,320**	**155,801**	**141,611**
Average number of days worked per man per year—					
Surface	277	252	283	281	248
Underground	270	248	286	262	243
By all wage-earners	**272**	**249**	**285**	**266**	**245**
Total wages paid $	**536,871**	**432,006**	**570,943**	**553,447**	**542,469**
Average wage earned per man per day $	**3·21**	**3·18**	**3·58**	**3·55**	**3·83**

Table 75.—Wage-Earners and Work Done by Months in the Coal Mines of New Brunswick, 1929

Month	Number of wage-earners			Days' work done		
	Surface	Underground	Total	Surface	Underground	Total
January	129	545	674	3,317	13,236	16,553
February	134	564	698	3,057	12,812	15,869
March	126	540	666	2,711	11,626	14,337
April	122	438	560	2,520	9,199	11,719
May	122	411	533	2,206	7,423	9,629
June	129	404	533	2,404	7,432	9,836
July	122	408	530	2,274	7,185	9,459
August	124	420	544	2,452	7,625	10,077
September	126	389	515	2,464	6,503	8,967
October	123	415	538	2,524	8,184	10,708
November	129	429	558	2,690	8,943	11,633
December	126	457	583	2,740	10,084	12,824
Total				**31,359**	**110,252**	**141,611**

Table 76.—Wage-Earners Employed in the Coal Mines of New Brunswick by Classes, 1928 and 1929

Classification	1928			1929		
	Surface	Underground	Total	Surface	Underground	Total
SURFACE—						
Administration	13	.....	13	14	.....	14
Foremen and clerks	12	5	17	10	5	15
Screenmen and loaders	29	.....	29	34	.....	34
UNDERGROUND—						
Officials	.....	8	8	.....	10	10
Hand cutters and helpers	.....	409	409	.....	380	380
Machine cutters	.....	5	5	.....	4	4
Machine loaders and helpers	.....	10	10	.....	13	13
Horse haulage employees	.....	1	1	1	.....	1
Mechanical haulage employees	.....	7	7	.....	14	14
Ventilation employees	.....	.....	.....	.....	.....	.....
Roadmakers	1	4	5	1	4	5
Timbermen	5	8	13	6	9	15
Pumpmen	1	1	2	2	.....	2
MISCELLANEOUS—						
Enginemen	11	1	12	10	.....	10
Firemen	4	.....	4	4	.....	4
Machinists	1	.....	1	1	.....	1
Carpenters and masons	4	.....	4	8	.....	8
Other mechanics	2	.....	2	2	.....	2
All other employees	43	....	43	33	13	46
Total	**126**	**459**	**585**	**126**	**452**	**578**

Table 77.—Capital Employed in the Coal Mines of New Brunswick, 1928 and 1929

—	1928	1929
	$	$
Capital employed as represented by—		
Cost of lands, buildings, machinery and tools	1,432,033	1,452,893
Cost of supplies and stock on hand	24,687	24,243
Cash, trading and operating accounts and bills receivable	188,584	179,527
Total	**1,645,304**	**1,656,663**

CHAPTER FIVE

QUEBEC

Quebec's coal supply is drawn principally from the Maritime provinces and the United States, supplemented by considerable tonnages from Great Britain. During the past three years the average annual consumption of coal in Quebec consisted of 43·8 per cent from the Maritime provinces, 42·3 per cent from the United States, 13·2 per cent from Great Britain and 0·7 per cent from other countries.

Imports of coal from the United States into Quebec in 1929 amounted to 2,073,476 tons made up of 831,296 tons of anthracite and 1,242,180 tons of bituminous. Receipts from Great Britain totalled 691,725 tons consisting of 598,784 tons of anthracite and 92,941 tons of bituminous. The importation of anthracite coal from Russia commenced in December, 1928, and during 1929 a total of 99,006 tons was received. A small shipment of bituminous coal was received from Newfoundland. The total imports in 1929 were 2,864,283 tons. These importations plus the 2,372,541 tons received from other Canadian provinces and less the 130 tons exported through Quebec ports left 5,236,694 tons available for consumption in the province. This total included 1,529,086 tons of anthracite and 3,707,608 tons of bituminous. During 1928, the available supply was 1·21 per cent lower, amounting to 5,174,219 tons.

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 78.—Exports of Canadian Coal through Quebec Ports, 1925-1929

(Short tons)

Port	1925	1926	1927	1928	1929
Abercorn	.....	.....	.....	.....	.....
Athelstan	.....	.....	.....	.....	.....
Coaticook	.....	.....	40	250	.....
Lake Megantic	.....	.....	.....	.....	.....
Montreal	11	.....	1	30	30
Quebec	.....	2	.....	.....	.....
St. Armand	.....	.....	.....	.....	.....
St. John's	.....	673	50	155	100
Three Rivers	.....	.....	.....	5	.....
Total	**11**	**675**	**91**	**440**	**130**

Table 79.—Imports into Quebec of Anthracite and Bituminous Coal by Ports of Entry, 1928 and 1929

(Short tons)

Port	Source	1928					1929				
		Anthracite			Bituminous, all grades	Total	Anthracite			Bituminous, all grades	Total
		Egg, nut, etc.	Dust	Total			Egg, nut, etc.	Dust	Total		
Abercorn	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Athelstan	U.S.	292,981	342	293,323	222,821	**516,144**	271,001	2,241	273,242	198,747	**471,989**
Beebe Junction	U.S.	2,536	363	2,899	3,387	**6,286**	782	27	809	670	**1,479**
Chicoutimi	U.S.	3,724	.....	3,724	93,369	**97,093**	2,978	44	3,022	31,242	**34,264**
	G.B.	7,181	1,119	8,300	13,303	**21,603**	.....	2,989	2,989	8,636	**11,625**
	Russia	.....	.....	.....	.....	.....	7,172	.....	7,172	.....	**7,172**
Coaticook	U.S.	112	47	159	171	**330**	100	.....	100	50	**150**
	Russia	.....	.....	.....	.....	.....	4,686	.....	4,686	.....	**4,686**
Drummondville	U.S.	38	81	119	1,739	**1,858**	.....	71	71	952	**1,023**
Gaspé	U.S.	708	.....	708	2,385	**3,093**	644	.....	644	.....	**644**
Granby	U.S.	157	.....	157	390	**547**	89	.....	89	309	**398**
Hull	U.S.	9,186	200	9,386	15,917	**25,303**	8,568	511	9,079	10,769	**19,848**
Lake Megantic	U.S.	47	.....	47	56	**103**	.....	.....	.....	32	**32**
Massonville	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Montreal	U.S.	20,760	820	21,580	677,735	**699,315**	17,656	1,250	18,906	734,294	**753,200**
	G.B.	363,114	9,907	373,021	61,470	**434,491**	510,549	957	511,506	29,581	**541,087**
	Netherlands	1,102	.....	1,102	.....	**1,102**	.....	.....	.....	.....	.....
	Belgium	1	.....	1	.....	**1**	.....	.....	.....	.....	.....
	Russia	6,204	.....	6,204	.....	**6,204**	79,686	.....	79,686	.....	**79,686**
	Br. S. Africa	328	.....	328	.....	**328**	.....	.....	.....	.....	.....
Paspebiac	U.S.	677	.....	677	35,670	**36,347**	597	.....	597	32,972	**33,569**
Percé	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	11,860	**11,860**
Port Burwell	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	G.B.	34	.....	34	17	**51**	20	.....	20	.....	**20**
Quebec	U.S.	59,446	839	60,285	76,313	**136,598**	50,043	2,401	52,444	52,862	**105,306**
	G.B.	55,191	2,236	57,427	49,421	**106,848**	74,860	1,160	76,020	42,817	**118,837**
	Newfoundland	.....	.....	.....	2	**2**	.....	.....	.....	76	**76**
Rimouski	U.S.	749	42	791	534	**1,325**	444	43	487	386	**873**
Rock Island	U.S.	.....	.....	.....	.....	.....	2,171	370	2,541	3,018	**5,559**
St. Armand	U.S.	942	45	987	546	**1,533**	1,113	37	1,150	634	**1,784**
St. Hyacinthe	U.S.	1,907	872	2,779	2,598	**5,377**	479	348	827	1,741	**2,568**
	Germany	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
St. John's	U.S.	325,135	111,927	437,062	81,414	**518,476**	307,923	93,277	401,200	74,304	**475,504**
Shawinigan Falls	U.S.	2,091	84	2,175	4,962	**7,137**	714	.....	714	3,272	**3,986**
Sherbrooke	U.S.	7,053	47,032	54,085	23,144	**77,229**	7,430	47,814	55,244	19,198	**74,442**
	G.B.	103	.....	103	.....	**103**	.....	.....	.....	.....	.....
	Russia	.....	.....	.....	.....	.....	29	.....	29	.....	**29**
Sorel	U.S.	1,296	195	1,491	8,232	**9,723**	1,124	74	1,198	4,291	**5,489**
	G.B.	.....	.....	.....	.....	.....	2,450	.....	2,450	.....	**2,450**
Sutton	U.S.	.....	.....	.....	137	**137**	.....	.....	.....	28	**28**
	Russia	.....	.....	.....	.....	.....	7,433	.....	7,433	.....	**7,433**
Three Rivers	U.S.	3,159	.....	3,159	43,230	**46,389**	859	31	890	44,083	**44,973**
	G.B.	2,580	.....	2,580	13,338	**15,918**	4,959	840	5,799	11,907	**17,706**
Valleyfield	U.S.	6,562	.....	6,562	8,866	**15,428**	7,818	224	8,042	16,466	**24,508**
Total	**U.S.**	**739,266**	**162,889**	**902,155**	**1,303,607**	**2,205,762**	**682,533**	**148,763**	**831,296**	**1,242,180**	**2,073,476**
	G.B.	**428,203**	**13,262**	**441,465**	**137,549**	**579,014**	**592,838**	**5,946**	**598,784**	**92,941**	**691,725**
	Germany	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Netherlands	**1,102**	.....	**1,102**	.....	**1,102**	.....	.....	.....	.....	.....
	Newfoundland	.....	.....	.....	**2**	**2**	.....	.....	.....	**76**	**76**
	Belgium	**1**	.....	**1**	.....	**1**	.....	.....	.....	.....	.....
	Russia	**6,204**	.....	**6,204**	.....	**6,204**	**99,006**	.....	**99,006**	.....	**99,006**
	Br. S. Africa	**328**	.....	**328**	.....	**328**	.....	.....	.....	.....	.....
Grand total	.....	**1,175,104**	**176,151**	**1,351,255**	**1,441,158**	**2,792,413**	**1,374,377**	**154,709**	**1,529,086**	**1,335,197**	**2,864,283**

Table 80.—Summary Statistics for 1929—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 other *countries	Coal available for consumption
	Received from other provinces	Exported				
January—						
Anthracite	.....	.....	50,063	2,259	2,672	54,994
Bituminous	28,296	.....	49,449	.....	35	77,780
Total	28,296	.....	99,512	2,259	2,707	132,774
February—						
Anthracite	.....	.....	62,096	4,519	2,432	69,047
Bituminous	32,553	100	34,421	.....	.....	66,874
Total	32,553	100	96,517	4,519	2,432	135,921
March—						
Anthracite	.....	.....	48,597	3,994	4,612	57,203
Bituminous	22,070	.....	63,171	.....	.....	85,241
Total	22,070	.....	111,768	3,994	4,612	142,444
April—						
Anthracite	.....	.....	31,775	.....	2,646	34,421
Bituminous	34,946	.....	33,947	.....	.....	68,893
Total	34,946	.....	65,722	.....	2,646	103,314
May—						
Anthracite	.....	.....	61,991	54,694	.....	116,685
Bituminous	314,674	30	134,759	15,974	.....	465,377
Total	314,674	30	196,750	70,668	.....	582,062
June—						
Anthracite	.....	.....	61,858	61,118	.....	122,976
Bituminous	381,160	.....	132,578	23,372	.....	537,110
Total	381,160	.....	194,436	84,490	.....	660,086
July—						
Anthracite	.....	.....	57,300	65,758	11,589	134,647
Bituminous	359,113	.....	141,240	11,525	.....	511,878
Total	359,113	.....	198,540	77,283	11,589	646,525
August—						
Anthracite	.....	.....	80,980	94,167	23,898	199,045
Bituminous	362,872	.....	139,084	8,111	.....	510,067
Total	362,872	.....	220,064	102,278	23,898	709,112
September—						
Anthracite	.....	.....	91,957	91,050	21,349	204,356
Bituminous	321,707	.....	138,643	16,294	.....	476,644
Total	321,707	.....	230,600	107,344	21,349	681,000
October—						
Anthracite	.....	.....	122,070	73,093	15,017	210,180
Bituminous	333,472	.....	164,918	5,853	41	504,284
Total	333,472	.....	286,988	78,946	15,058	714,464
November—						
Anthracite	.....	.....	93,715	90,746	14,791	199,252
Bituminous	169,229	.....	158,162	11,245	.....	338,636
Total	169,229	.....	251,877	101,991	14,791	537,888
December—						
Anthracite	.....	.....	68,894	57,386	.....	126,280
Bituminous	12,449	.....	51,808	567	.....	64,824
Total	12,449	.....	120,702	57,953	.....	191,104
Total—						
Anthracite	.....	.....	831,396	598,784	99,006	1,529,086
Bituminous	†2,372,541	130	1,242,180	92,941	76	3,707,608
Total	†2,372,541	130	2,073,476	691,725	99,082	5,236,694

*Anthracite coal imported from Russia. Bituminous coal imported from Newfoundland.
†140,619 tons of Nova Scotia coal shipped from stock at Montreal to Ontario points.

CHAPTER SIX

ONTARIO

Ontario derives its entire supply of coal from outside sources. Most of the coal imported into this province comes from the United States but in recent years some coal has also been obtained from Great Britain. Owing to the long freight haul between Ontario and Canada's coal fields either in the East or the West, it has not been found possible to transport any very considerable tonnages to Ontario. Experimental shipments of coal have been made to Ontario centres from Alberta mines. The Federal government by Order-in-Council P.C. 439 dated March 16, 1928, provided for further test movements of Alberta coal to Ontario. 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.

It is difficult to say definitely how much coal is consumed in Ontario annually, as by far the greater part of the province is only sparsely settled and coal dumped at Fort William and Port Arthur is not only used in northern and western Ontario but it is also shipped westward 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 lake, 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.

Anthracite coal consumption in the whole of Ontario during the past five years has averaged 2·25 million tons. In 1929, anthracite imports from the United States totalled 2,202,236 tons and from Great Britain, 44,130 tons as compared with 2,217,151 tons imported from the United States and 19,407 tons from Great Britain in 1928.

Dependent on industrial activity, the imports of bituminous coal show a greater variation in quantity due to the fluctuations of industrial demand but the average consumption during the past five years has been about 12 million tons. During 1929, imports of bituminous coal through Central Ontario ports amounted to 11·3 million tons and through the ports of Fort William and Port Arthur 1·7 million tons, making a total of 13 million tons brought into the whole area.

Shipments of Nova Scotia coal to Ontario points from stock at Montreal amounted to 140,619 tons in 1929. Alberta coal received in Ontario during the year totalled 55,752 tons, of which quantity 37,148 tons were shipped under the test movement temporary freight rate of $6.75 per ton.

Dr. W. S. Dyer of the geological staff of the Ontario Department of Mines, who is engaged in investigational and development work in connection with the lignite deposits at Blacksmith Rapids has supplied the following resume of operations carried on during 1929.

"In one year's operations 55 drill holes have been completed. Forty-five of these have struck lignite, and in 39 of them 10 feet or more of lignite has been penetrated. Approximately 3½ square miles of territory has been proved to be underlain by the lignite seam, averaging 25 feet in thickness. The tonnage indicated is approximately 80 million tons. In one group of 7 holes, within an area of 300 acres, the seam averaged 45 feet in thickness, and the overburden 80 feet. In the best hole the seam is 64 feet thick. Drilling is being continued and possibilities to the west of the proven field are by no means exhausted. At present two drills are continuously working in the field.

"A 35 mile winter road was cut from Coral rapids to the camp. Over this road tractor and teams hauled in mining equipment and hauled out lignite. Fourteen buildings have been erected, at headquarters, at the half-way, and at the former end of steel, including quarters for the staff, men, cook cabins, storehouses, stables, and a blacksmith's shop. One shaft was sunk 77 feet, the last 23 feet of which was in lignite; 125 feet of drifting was done, and over 300 tons of lignite mined. Three large shipments of lignite have been made; the first car-load went to the Fuel Research Laboratories at Ottawa, where the lignite will undergo a variety of tests. The second car-load went to the Foster-Wheeler Company at St. Catharines for testing in artificial driers; ten tons have been shipped to the Ontario Research Foundation in Toronto, and smaller shipments have been sent to England, Germany and Minneapolis. Full returns have not been received from any of these tests, hence all that can be said is that the tests which have been made have been satisfactory.

"A great many analyses have been made of the lignite which show that it is very similar to the lignite of Saskatchewan and North Dakota. It is high in moisture as mined, but is low in ash and sulphur."

Table 81.—Exports of Canadian Coal through Ontario Ports, 1925-1929

(Short tons)

Port	1925	1926	1927	1928	1929
Bridgeburg	.....	.....	.....	.....	.....
Fort Frances	.....	.....	410	36	97
Niagara Falls	.....	.....	.....	.....	49
Sarnia	.....	600	.....	.....	.....
Total	.....	**600**	**410**	**36**	**146**

Table 82.—Imports into Ontario of Anthracite and Bituminous Coal by Ports of Entry, 1928 and 1929

(Short tons)

Port	Source	1928			1929				
					Anthracite				
		Anthracite	Bituminous all grades	Total	Egg, nut, etc.	Dust	Total	Bituminous all grades	Total
CENTRAL ONTARIO—									
Amherstburg	U.S.	10,239	69,313	79,552	11,521	32	11,553	70,094	81,647
Belleville	U.S.	27,096	124,771	151,867	20,203	227	20,430	111,113	131,543
	G.B.	2,083		2,083					
Bowmanville	U.S.	7,219	7,581	14,800	7,253	62	7,315	8,338	15,653
Brantford	U.S.	35,890	52,907	88,797	38,361	770	39,131	52,615	91,746
Bridgeburg	U.S.	66,036	266,048	332,084	68,747	982	69,729	280,863	350,592
Brockville	U.S.	22,716	14,664	37,380	17,995	2,171	20,166	15,041	35,207
Chatham	U.S.	5,794	536,970	542,764	6,342	225	6,567	489,613	496,180
Cobourg	U.S.	15,751	245,841	261,592	14,305	204	14,509	340,347	354,856
Collingwood	U.S.	9,164	7,189	16,353	11,021	204	11,225	11,064	22,289
Cornwall	U.S.	58,251	19,328	77,579	16,743	21,724	38,467	11,061	49,528
Deseronto	U.S.	1,857	551	2,408	748		748	143	891
Fort Frances	U.S.	42	103,594	103,636	303		303	100,141	100,444
Galt	U.S.	26,073	47,322	73,395	26,544	473	27,017	48,624	75,641
Gananoque	U.S.	6,712	6,800	13,512	4,854	354	5,208	6,121	11,329
Goderich	U.S.	23,244	64,675	87,919	23,282	89	23,371	62,573	85,944
Guelph	U.S.	42,447	69,327	111,774	41,499	984	42,483	66,250	108,733
Hamilton	U.S.	136,154	982,876	1,119,030	127,303	27,484	154,787	1,183,012	1,337,799
Ingersoll	U.S.	7,379	19,158	26,537	8,773	1,499	10,272	14,121	24,393
Kenora	U.S.		20	20		97	97	102	199
Kingston	U.S.	45,042	40,269	85,311	38,910	1,015	39,925	49,962	89,887
Kitchener	U.S.	37,912	86,540	124,452	40,539	1,400	41,939	99,783	141,722
Lindsay	U.S.	12,861	16,910	29,771	11,610	31	11,641	19,004	30,645
London	U.S.	91,100	110,849	201,949	95,439	2,356	97,795	103,239	201,034
Midland	U.S.	3,863	203,371	207,234	4,194	480	4,674	121,075	125,749
Morrisburg	U.S.	4,354	920	5,274	4,596		4,596	695	5,291
Napanee	U.S.	9,487	14,759	24,246	9,516	355	9,871	14,682	24,553
Niagara Falls	U.S.	76,606	374,527	451,133	86,224	876	87,100	553,625	640,725
North Bay	U.S.	26,571	54,239	80,810	22,221	323	22,544	51,420	73,964
Orillia	U.S.	12,733	27,183	39,916	12,934	688	13,622	26,900	40,522
Oshawa	U.S.	28,872	52,354	81,226	25,767	896	26,663	71,854	98,517
Ottawa	U.S.	169,379	145,994	315,373	139,338	13,776	153,114	135,188	288,302
Owen Sound	U.S.	5,727	21,230	26,957	5,915	186	6,101	23,473	29,574
Paris	U.S.	11,048	10,940	21,988	9,821	187	10,008	13,325	23,333
Parry Sound	U.S.	1,999	489,279	491,278	1,939	43	1,982	552,131	554,113
Peterboro	U.S.	31,166	35,751	66,917	33,511	419	33,930	53,437	87,367
Picton	U.S.	7,840	5,778	13,618	6,969		6,969	4,632	11,601
Port Hope	U.S.	10,716	9,717	20,433	10,172	291	10,463	9,522	19,985
Port McNicoll	U.S.	486	18,705	19,191	467		467	15,107	15,574
Prescott	U.S.	17,774	750,024	767,798	18,961	151	19,112	859,721	878,833
St. Catharines	U.S.	42,280	152,462	194,742	41,456	2,349	43,805	171,088	214,893
St. Thomas	U.S.	20,662	412,998	433,660	20,786	405	21,191	365,474	386,665
Sarnia	U.S.	5,065	444,121	449,186	5,468		5,468	486,966	492,434
Sault Ste. Marie	U.S.	8,434	1,248,303	1,256,737	4,933	376	5,309	1,480,049	1,485,358
Simcoe	U.S.	2,392	16,251	18,643	2,878	88	2,966	16,999	19,965
Stratford	U.S.	43,351	86,036	129,387	51,295	268	51,563	64,256	115,819
Sudbury	U.S.	11,552	9,215	20,767	13,092		13,092	9,652	22,744
Tilsonburg	U.S.	2,594	400,723	403,317	2,841		2,841	384,816	387,657
Toronto	U.S.	813,718	1,214,216	2,027,934	767,744	68,316	836,060	1,332,776	2,168,836
	G.B.	17,324		17,324	44,130		44,130		44,130
Trenton	U.S.	8,376	28,239	36,615	10,787	32	10,819	30,222	41,041
Wallaceburg	U.S.	565	63,236	63,801	435		435	37,766	38,201
Welland	U.S.	30,091	342,935	373,026	39,537	2,407	41,944	327,566	369,510
Whitby	U.S.	12,247	13,373	25,620	12,416	155	12,571	8,679	21,250
Windsor	U.S.	28,837	1,079,355	1,108,192	24,435	849	25,284	943,955	969,239
Woodstock	U.S.	21,893	23,265	45,158	22,880	114	22,994	21,893	44,887
TOTAL FOR CENTRAL ONTARIO	U.S.	2,159,657	10,643,002	12,802,659	2,045,823	156,413	2,202,236	11,332,168	13,534,404
	G.B.	19,407		19,407	44,130		44,130		
HEAD OF LAKES—									
Fort William	U.S.	57,494	1,481,228	1,538,722	52,369		52,369	1,591,656	1,644,025
Port Arthur	U.S.		194,718	194,718	352		352	143,889	144,241
TOTAL HEAD OF LAKES	U.S.	57,494	1,675,946	1,733,440	52,721		52,721	1,735,545	1,788,266
Total for Ontario	**U.S.**	**2,217,151**	**12,318,948**	**14,536,099**	**2,098,544**	**156,413**	**2,254,957**	**13,067,713**	**15,322,670**
	G.B.	**19,407**		**19,407**	**44,130**		**44,130**		**44,130**
Grand total		**2,236,558**	**12,318,948**	**14,555,506**	**2,142,674**	**156,413**	**2,299,087**	**13,067,713**	**15,366,800**

Table 83.—Summary Statistics for 1929-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						
	Received from other provinces	Exported	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
January—							
Anthracite			197,970		197,970		197,970
Bituminous			764,358		764,358	5,122	769,480
Sub-bituminous	1,572				1,572		1,572
Lignite	11,154				11,154		11,154
Total	12,726		962,328		975,054	5,122	980,176
February—							
Anthracite			236,437		236,437		236,437
Bituminous			674,781		674,781	99	674,880
Sub-bituminous	1,810				1,810		1,810
Lignite	8,747				8,747		8,747
Total	10,557		911,218		921,775	99	921,874
March—							
Anthracite			198,979		198,979		198,979
Bituminous			850,436		850,436		850,436
Sub-bituminous	344				344		344
Lignite	1,976				1,976		1,976
Total	2,320		1,049,415		1,051,735		1,051,735
April—							
Anthracite			95,684		95,684		95,684
Bituminous			532,128		532,128	16,449	548,577
Sub-bituminous	65				65		65
Lignite	499				499		499
Total	564		627,812		628,376	16,449	644,825
May—							
Anthracite			154,600	10,606	165,206		165,206
Bituminous			912,047		912,047	191,032	1,103,079
Sub-bituminous	317				317		317
Lignite	916				916		916
Total	1,233		1,066,647	10,606	1,078,486	191,032	1,269,518
June—							
Anthracite			139,759	22,773	162,532	10,316	172,848
Bituminous			1,038,773		1,038,773	230,819	1,269,592
Sub-bituminous	627				627		627
Lignite	2,085				2,085		2,085
Total	2,712		1,178,532	22,773	1,204,017	241,135	1,445,152
July—							
Anthracite			119,181		119,181	12,536	131,717
Bituminous			1,210,736		1,210,736	362,571	1,573,307
Sub-bituminous	3,458				3,458		3,458
Lignite	6,725				6,725		6,725
Total	10,183		1,329,917		1,340,100	375,107	1,715,207
August—							
Anthracite			122,238	9,236	131,474	6,912	138,386
Bituminous			1,111,178		1,111,178	262,407	1,373,585
Sub-bituminous	106				106		106
Lignite	637				637		637
Total	743		1,233,416	9,236	1,243,395	269,319	1,512,714
September—							
Anthracite			191,467		191,467	9,248	200,715
Bituminous		61	1,051,132		1,051,071	289,503	1,340,574
Sub-bituminous	114				114		114
Lignite	986	32			954		954
Total	1,100	93	1,242,599		1,243,606	298,751	1,542,357

Table 83.—Summary Statistics for 1929-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	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					
October—							
Anthracite	.....	.....	308,541	1,515	310,056	4,992	315,048
Bituminous	.....	49	1,195,834	.....	1,195,785	236,035	1,431,820
Sub-bituminous	135	.....	.....	.....	135	.....	135
Lignite	1,432	.....	.....	.....	1,432	.....	1,432
Total	1,567	49	1,504,375	1,515	1,507,408	241,027	1,748,435
November—							
Anthracite	.....	.....	214,151	.....	214,151	5,693	219,844
Bituminous	.....	.....	1,141,014	.....	1,141,014	139,886	1,280,900
Sub-bituminous	110	.....	.....	.....	110	.....	110
Lignite	1,913	4	.....	.....	1,909	.....	1,909
Total	2,023	4	1,355,165	.....	1,357,184	145,579	1,502,763
December—							
Anthracite	.....	.....	223,229	.....	223,229	3,024	226,253
Bituminous	.....	.....	849,751	.....	849,751	1,622	851,373
Sub-bituminous	1,537	.....	.....	.....	1,537	.....	1,537
Lignite	9,004	.....	.....	.....	9,004	.....	9,004
Total	10,541	.....	1,072,980	.....	1,083,521	4,646	1,088,167
Total—							
Anthracite	.....	.....	2,202,236	44,130	2,246,366	52,721	2,299,087
Bituminous	.....	110	11,332,168	.....	11,332,058	1,735,545	*13,067,603
Sub-bituminous	10,195	.....	.....	.....	10,195	.....	10,195
Lignite	46,074	36	.....	.....	46,038	.....	46,038
Total	56,269	146	13,534,404	44,130	13,634,657	1,788,266	15,422,923

*In addition to this quantity, 140,619 tons of Nova Scotia coal were shipped from stock at Montreal, to Ontario points.

CHAPTER SEVEN

MANITOBA

It is desirable in considering the coal supply of Manitoba to include data regarding the receipts of coal at Fort William and Port Arthur, since the bulk of coal dumped at these ports finds its way into the province of Manitoba.

Coal available for consumption in this area in 1929 totalled 2,659,748 tons, consisting of 61,901 tons of anthracite, 1,820,753 tons of bituminous, 91,867 tons of sub-bituminous, and 685,227 tons of lignite. All the anthracite, 97·4 per cent of the bituminous and 1,896 tons of lignite came from the United States; all the sub-bituminous, 2·6 per cent of the bituminous and 99·7 per cent of the lignite were received from other Canadian provinces. Canadian coal cleared through Manitoba ports in 1929 amounted to 3,334 tons. Approximately 31 per cent of the total supply for the area was derived from Canadian sources, the remainder coming from the United States. As a further item of value it may be observed that of the 1,735,545 tons of bituminous coal dumped at the head of lakes in 1929, Canadian railroads used 804,000 tons.

Table 84.—Exports of Canadian Coal through Manitoba Ports, 1925-1929

(Short tons)

Port	1925	1926	1927	1928	1929
Brandon	117	73	73	126	100
Emerson	1,361	1,329	1,771	1,377	1,319
Gretna	1,661	2,370	2,372	1,597	1,204
Winnipeg	832	880	1,271	988	711
Total	**3,971**	**4,652**	**5,487**	**4,088**	**3,334**

Table 85.—Imports into Manitoba and the Head of the Lakes, of Anthracite and Bituminous Coal by Ports of Entry, 1928 and 1929

(Short tons)

Port	Source	1928					1929				
		Anthracite			Bituminous all grades	Total	Anthracite		Lignite	Bituminous all grades	Total
		Egg, nut, etc.	Dust	Total			Egg nut, etc.	Dust			
MANITOBA—											
Brandon	U.S.	94	.....	94	3,228	3,322	261	.....	.....	3,096	3,357
Emerson	U.S.	96	.....	96	128	224	92	.....	.....	38	130
Gretna	U.S.	345	.....	345	258	603	506	.....	.....	298	804
Portage la Prairie	U.S.	.....	.....	.....	419	419	49	.....	1,896	427	2,372
Winnipeg	U.S.	7,786	1,809	9,595	92,969	102,564	5,793	2,479	.....	34,942	43,211
Total for Manitoba	**U.S.**	**8,321**	**1,809**	**10,130**	**97,002**	**107,132**	**6,701**	**2,479**	**1,896**	**38,801**	**49,877**
HEAD OF LAKES—											
Fort William	U.S.	57,494	.....	57,494	1,481,228	1,538,722	52,369	.....	.....	1,591,656	1,644,025
Port Arthur	U.S.	.....	.....	.....	194,718	194,718	352	.....	.....	143,889	144,241
Total Head of Lakes	**U.S.**	**57,494**	.....	**57,494**	**1,675,946**	**1,733,440**	**52,721**	.....	.....	**1,735,545**	**1,788,266**
Total for Manitoba and Head of Lakes	**U.S.**	**65,815**	**1,809**	**67,624**	**1,772,948**	**1,840,572**	**59,422**	**2,479**	**1,896**	**1,774,346**	**1,838,143**

Table 86.—Summary Statistics for 1929-Interprovincial Shipments, Exports, Imports and Coal Made Available for Consumption in Manitoba, (exclusive of Shipments Cleared at Head of Lakes) by Months and by Kinds

(Short tons)

Month	Canadian coal		Imported from U.S.A.	Coal available for consumption
	Received from other provinces	Exported		
January.—				
Anthracite	.....	.....	918	918
Bituminous	5,320	.....	9,228	14,548
Sub-bituminous	13,013	.....	.....	13,013
Lignite	99,323	610	.....	98,713
Total	117,656	610	10,146	127,192
February—				
Anthracite	.....	.....	1,081	1,081
Bituminous	5,064	35	1,909	6,938
Sub-bituminous	13,036	.....	.....	13,036
Lignite	96,785	404	.....	96,381
Total	114,885	439	2,990	117,436
March—				
Anthracite	.....	.....	583	583
Bituminous	6,844	89	2,344	9,099
Sub-bituminous	3,638	.....	.....	3,638
Lignite	39,214	327	.....	38,887
Total	49,696	416	2,927	52,207
April—				
Anthracite	.....	.....	141	141
Bituminous	937	.....	2,288	3,225
Sub-bituminous	444	.....	.....	444
Lignite	16,758	32	.....	16,726
Total	18,139	32	2,429	20,536
May—				
Anthracite	.....	.....	322	322
Bituminous	1,931	4	2,563	4,490
Sub-bituminous	303	.....	.....	303
Lignite	17,199	32	.....	17,167
Total	19,433	36	2,885	22,282
June—				
Anthracite	.....	.....	226	226
Bituminous	2,874	.....	1,760	4,634
Sub-bituminous	262	.....	.....	262
Lignite	16,363	35	.....	16,328
Total	19,499	35	1,986	21,450
July—				
Anthracite	.....	.....	453	453
Bituminous	5,069	.....	4,835	9,904
Sub-bituminous	3,215	.....	.....	3,215
Lignite	20,983	.....	.....	20,983
Total	29,267	.....	5,288	34,555
August—				
Anthracite	.....	.....	80	80
Bituminous	5,182	.....	1,469	6,651
Sub-bituminous	9,539	.....	.....	9,539
Lignite	30,282	33	.....	30,249
Total	45,003	33	1,549	46,519
September—				
Anthracite	.....	.....	1,223	1,223
Bituminous	873	2	2,074	2,945
Sub-bituminous	9,936	.....	.....	9,936
Lignite	64,137	106	.....	64,031
Total	74,946	108	3,297	78,135

Table 86.—Summary Statistics for 1929—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	.....	.....	1,677	1,677
Bituminous	2,024	65	2,250	4,209
Sub-bituminous	11,390	.....	.....	11,390
Lignite	84,912	396	.....	84,516
Total	98,326	461	3,927	101,792
November—				
Anthracite	.....	.....	1,182	1,182
Bituminous	3,892	69	2,483	6,306
Sub-bituminous	14,507	.....	.....	14,507
Lignite	108,153	409	.....	107,744
Total	126,552	478	3,665	129,739
December—				
Anthracite	.....	.....	1,294	1,294
Bituminous	6,794	133	5,598	12,259
Sub-bituminous	12,584	.....	.....	12,584
Lignite	92,159	553	1,896	93,502
Total	111,537	686	8,788	119,639
Total—				
Anthracite	.....	.....	**9,180**	**9,180**
Bituminous	**46,804**	**397**	**38,801**	**85,208**
Sub-bituminous	**91,867**	.....	.....	**91,867**
Lignite	**686,268**	**2,937**	**1,896**	**685,227**
Total	**824,939**	**3,334**	**49,877**	**871,482**

CHAPTER EIGHT

SASKATCHEWAN

The output from Saskatchewan coal mines in 1929 set up a new high record for the province and amounted to 580,189 tons, a 23 per cent increase over the total for the previous year of 471,713 tons. Mines in operation in 1929 produced 68 per cent of their possible output; the total loss due to various causes was computed at 276,730 tons. Thirty-one per cent of the time lost was due to lack of orders.

Canadian coal dominates the Saskatchewan market. Imports from the United States are practically negligible. In 1929 Saskatchewan consumers used 1,525,955 tons of Alberta coal. The total quantity of coal available for consumption in Saskatchewan during the year was 1,868,-942 tons, consisting of 365 tons of anthracite, 153,013 tons of bituminous, 74,560 tons of sub-bituminous and 1,641,004 tons of lignite. In 1928, the available supply was 1,810,117 tons.

There was the usual seasonal variation in employment in the Saskatchewan coal mines. During January 711 men were employed; a gradual falling-off was recorded in the following months until the minimum for the year of 368 was reached in June. Employment in the following two months was at approximately the same level, but in September employment increased in order to supply the fall demands. The number of wage-earners working during the last quarter of the year was constant. Salaries and wages paid to the 592 employees in 1929 amounted to $600,695; in the previous year the 541 employees received $541,894. Each wage-earner was given on an average 225 days employment in 1929, and the average daily wage was $4.21.

In February, 1929, a carbonizing and briquetting plant was completed and put in operation at Taylorton, Saskatchewan, by *The Western Dominion Collieries, Limited.* The plant formerly operated, for experimental purposes, by the *Lignite Utilization Board* was taken over by the above named company and the buildings utilized to some extent in connection with the new plant.

The Lurgi process of carbonization is used and the binder for the briquettes at present in use is 75°C. melting-point asphalt made at the Regina refinery of the *Imperial Oil Company.*

Marketing of the briquettes is chiefly in the provinces of Saskatchewan and Manitoba, and a few car loads (in 1929) were exported to the United States.

The plant as erected consists of two complete units each capable of drying and carbonizing 192·9 short tons of raw lignite per day.(*)

Table 87.—Output of Coal from Saskatchewan Mines, 1887-1929

Calendar year	Short tons	Value	Calendar year	Short tons	Value
		$			$
1887	(a) 400	800	1909	192,125	296,333
1888	.....	.....	1910	181,156	293,929
1889	.....	.....	1911	206,779	347,248
1890	200	200	1912	225,342	368,135
1891	.....	.....	1913	212,897	358,192
1892	5,400	9,325	1914	232,299	374,245
1893	8,325	12,485	1915	240,107	365,246
1894	(b) 15,051	15,153	1916	281,300	441,836
1895	15,769	31,538	1917	355,445	662,451
1896	16,706	25,059	1918	346,847	722,148
1897	25,000	37,500	*1919	379,347	819,390
1898	25,000	37,500	*1920	335,222	797,828
1899	25,000	37,500	*1921	335,632	823,180
1900	40,500	60,750	*1922	382,437	802,053
1901	45,000	72,000	*1923	438,100	858,448
1902	70,400	112,640	*1924	479,118	886,668
1903	116,703	169,618	*1925	471,965	870,875
1904	124,885	187,021	*1926	439,803	819,805
1905	107,596	152,334	*1927	470,216	868,867
1906	108,398	164,146	*1928	471,713	831,491
1907	151,232	252,437	*1929	580,189	993,229
1908	150,556	253,790			
			Total	**8,310,160**	**15,233,390**

(a) From Turtle Mountain district, Manitoba.
(b) Including a small quantity from the Turtle Mountain district, Manitoba.
*For the years 1919-1929 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.

(*) Information concerning this briquetting plant supplied by the Dominion Fuel Board.

Table 88.—Output of Coal from Saskatchewan Mines, by Months, 1925-1929

(Short tons)

Month	1925	1926	1927	1928	1929
January	69,284	49,328	51,330	56,525	69,117
February	44,345	43,235	49,632	50,608	60,542
March	39,724	40,504	34,728	39,760	41,753
April	17,634	22,939	22,882	28,732	32,813
May	16,637	13,385	18,153	16,679	30,209
June	17,029	16,591	16,658	15,445	27,707
July	18,892	14,039	15,123	17,380	28,740
August	16,893	14,256	18,130	21,977	27,617
September	29,903	27,628	27,969	31,531	47,448
October	69,231	47,867	49,878	67,769	65,108
November	76,912	80,537	89,361	70,088	73,274
December	55,571	69,494	73,372	55,219	75,860
Total	**471,965**	**439,863**	**470,216**	**471,713**	**580,189**

Table 89.—Output of Coal by Principal Collieries in Saskatchewan for 1927-1929 (Average of 500 tons or more per month)

(Short tons)

Name	Address	1927	1928	1929
Bienfait Commercial Co.	Bienfait	.....	5,442	17,644
Bienfait Mine	Bienfait	78,950	77,110	74,884
Big Lump Coal Co.	Estevan	33,894	31,245	20,823
Bourguin, Louis	Box 287, Estevan	7,590	6,420	6,240
Crescent Collieries, Ltd.	Bienfait	37,147	43,307	53,284
Eastern Collieries of Bienfait, Ltd.	Estevan	33,756	35,485	39,855
International Clay Products, Ltd.	Estevan	6,470	11,926	11,820
Manitoba and Saskatchewan Coal Co., Ltd.	503 Avenue Block, Winnipeg, Man.	105,615	101,657	66,282
Nicholson, H.	Estevan	.....	759	7,018
Parkinson, George	Estevan	6,437	2,920	4,194
Rollinson, W. H.	Estevan	3,253	6,202	2,653
Shand Coal and Brick Co.	Shand	27,178	22,337	26,163
Western Dominion Collieries, Ltd.	305 Trust and Loan Bldg., Winnipeg, Man.	101,587	97,336	182,139
All other operators	.....	28,339	29,567	31,190
Total	.....	**479,216**	**471,713**	**580,189**

Table 90.—Tonnage Lost in Saskatchewan Coal Mines, Showing the Relative Percentage Produced and Lost, with an Analysis of the Percentages Lost, 1928 and 1929

Year	Per cent produced	Per cent lost	Percentage lost through				
			Absenteeism	Lack of orders	Car shortage	Mine disability	Other causes
1928	57	43	7·7	33·5	0·3	0·1	1·4
1929	68	32	0·0	31·0	0·0	0·0	1·0

Table 91.—Disposition of Coal from Saskatchewan Mines by Grades, 1928 and 1929

(Short tons)

Disposition	1928					1929				
	Run-of-mine	Lump	Slack	Total		Run-of-mine	Lump	Slack	Total	
				Quantity	Value				Quantity	Value
					$					$
Supplied to employees for domestic consumption	1,341	1,564	11	2,916	5,299	1,867	1,900	12	3,779	6,895
Shipped as per Table 92	245,315	88,867	95,793	429,975	792,867	263,214	91,534	104,554	459,302	846,060
Used under colliery boilers, etc.	2,527	.....	32,511	35,038	28,551	7,360	.....	24,740	32,100	31,294
Used in making briquettes	.....	.....	.....	.....	.....	79,455	.....	.....	79,455	98,473
Used by companies' railroads	2,933	.....	.....	2,933	4,411	4,866	.....	.....	4,866	7,393
Put on bank	432	275	1,299	2,006	3,071	1,425	535	645	2,605	3,909
Put on waste heap	.....	.....	.....	652	.....	.....	.....	.....	614	.....
Total disposition	**252,548**	**90,706**	**129,614**	**473,520**	**834,199**	**358,187**	**93,969**	**129,951**	**582,721**	**997,024**
Lifted from bank	390	195	1,222	1,807	2,708	1,288	444	800	2,532	3,798
Total output	**252,158**	**90,511**	**128,392**	**471,713**	**831,491**	**356,899**	**93,525**	**129,151**	**580,189**	**993,226**

Table 92.—Shipments of Coal from Saskatchewan Mines, by Grades and Destination, 1928 and 1929

(Short tons)

Destination	1928				1929			
	Run-of-mine	Lump	Slack	Total	Run-of-mine	Lump	Slack	Total
Saskatchewan	94,119	53,174	19,912	167,205	113,256	55,750	21,886	190,89
Alberta	.....	.....	.....	.....	.....	.....	.....	.....
British Columbia	.....	.....	.....	.....	785	144	.....	92
Manitoba	114,372	35,211	73,447	223,030	113,335	35,138	81,939	230,41
Ontario	482	39	.....	521	484	33	.....	517
United States	.....	.....	.....	.....	.....	38	.....	38
Railroads	36,342	443	2,434	39,219	35,354	431	729	36,514
Total	**245,315**	**88,867**	**95,793**	**429,975**	**263,214**	**91,534**	**104,554**	**459,302**

Table 93.—Exports of Canadian Coal through Saskatchewan Ports, 1925-1929

(Short tons)

Port	1925	1926	1927	1928	1929
Moose Jaw	.....	.....	19	55	38
North Portal	3,905	3,272	4,439	6,365	7,495
Regina	3,513	2,824	1,837	1,386	694
Total	**7,418**	**6,095**	**6,295**	**7,806**	**8,227**

Table 94.—Imports into Saskatchewan of Anthracite and Bituminous Coal by Ports of Entry, 1928 and 1929

(Short tons)

Port	Source	1928					1929				
		Anthracite			Bituminous, all grades	Total	Anthracite		Lignite	Bituminous, all grades	Total
		Egg, nut, etc.	Dust	Total			Egg, nut, etc.	Dust			
Moose Jaw	U.S.	579	.....	.....	507	1,086	330	.....	.....	663	993
North Portal	U.S.	.....	.....	60	708	768	35	.....	41	553	629
Prince Albert	U.S.	.....	.....	.....	94	94	.....	.....	.....	130	130
Regina	U.S.	.....	.....	.....	615	615	.....	.....	.....	614	614
Saskatoon	U.S.	.....	.....	.....	612	612	.....	.....	.....	517	517
Total	**U.S.**	**579**	.....	**60**	**2,536**	**3,175**	**365**	.....	**41**	**2,477**	**2,883**

Table 95.—Summary Statistics for 1929-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	.....	.....	.....	.....	26	.....	26
Bituminous	.....	18,137	.....	.....	74	.....	18,211
Sub-bituminous	.....	9,341	.....	.....	.....	.....	9,341
Lignite	69,117	144,681	30,930	1,215	.....	.....	181,653
Total	69,117	172,159	30,930	1,215	100	.....	209,231
February—							
Bituminous	.....	17,317	.....	.....	110	.....	17,427
Sub-bituminous	.....	10,257	.....	.....	.....	.....	10,257
Lignite	60,542	171,924	29,017	916	.....	.....	202,533
Total	60,542	199,498	29,017	916	110	.....	230,217
March—							
Bituminous	.....	9,669	.....	.....	352	.....	10,021
Sub-bituminous	.....	1,057	.....	.....	.....	.....	1,057
Lignite	41,753	55,261	18,922	536	.....	.....	77,556
Total	41,753	65,987	18,922	536	352	.....	88,634
April—							
Bituminous	.....	8,109	.....	.....	270	.....	8,379
Sub-bituminous	.....	837	.....	.....	.....	.....	837
Lignite	32,813	38,376	11,344	129	.....	.....	59,716
Total	32,813	47,322	11,344	129	270	.....	68,932
May—							
Bituminous	.....	10,209	.....	.....	246	.....	10,455
Sub-bituminous	.....	404	.....	.....	.....	.....	404
Lignite	30,209	34,359	10,757	.....	.....	.....	53,811
Total	30,209	44,972	10,757	.....	246	.....	64,670
June—							
Bituminous	.....	6,240	.....	.....	151	.....	6,391
Sub-bituminous	.....	1,268	.....	.....	.....	.....	1,268
Lignite	27,707	43,734	9,098	161	.....	.....	62,182
Total	27,707	51,242	9,098	161	151	.....	69,841
July—							
Bituminous	.....	6,945	.....	.....	454	.....	7,399
Sub-bituminous	.....	3,144	.....	.....	.....	.....	3,144
Lignite	28,741	61,982	9,202	296	.....	.....	81,225
Total	28,741	72,071	9,202	296	454	.....	91,768
August—							
Bituminous	.....	9,706	.....	.....	391	.....	10,097
Sub-bituminous	.....	8,519	.....	.....	.....	.....	8,519
Lignite	27,617	83,327	8,720	426	.....	.....	101,708
Total	27,617	101,552	8,720	426	391	.....	120,414
September—							
Anthracite	.....	.....	.....	.....	.....	.....	.....
Bituminous	.....	14,729	.....	.....	141	.....	14,870
Sub-bituminous	.....	9,798	.....	.....	.....	.....	9,798
Lignite	47,448	149,207	17,787	391	.....	.....	178,477
Total	47,448	173,734	17,787	391	141	.....	203,145
October—							
Anthracite	.....	.....	.....	.....	281	.....	281
Bituminous	.....	13,936	.....	76	170	.....	14,030
Sub-bituminous	.....	9,820	.....	.....	.....	.....	9,820
Lignite	65,108	197,787	24,752	1,786	.....	.....	236,357
Total	65,108	221,543	24,752	1,862	451	.....	260,488
November—							
Anthracite	.....	.....	.....	.....	35	.....	35
Bituminous	.....	17,419	.....	.....	45	.....	17,464
Sub-bituminous	.....	10,500	.....	.....	.....	.....	10,500
Lignite	73,274	166,871	30,635	1,371	41	.....	208,180
Total	73,274	194,790	30,635	1,371	121	.....	236,179
December—							
Anthracite	.....	.....	.....	.....	23	.....	23
Bituminous	.....	18,196	.....	.....	73	.....	18,269
Sub-bituminous	.....	9,615	.....	.....	.....	.....	9,615
Lignite	75,860	153,274	30,694	924	.....	.....	197,516
Total	75,860	181,085	30,694	924	96	.....	225,423
Total—							
Anthracite	.....	.....	.....	.....	**365**	.....	**365**
Bituminous	.....	**150,612**	.....	**76**	**2,477**	.....	**153,013**
Sub-bituminous	.....	**74,560**	.....	.....	.....	.....	**74,560**
Lignite	**580,189**	**1,308,783**	**231,858**	**8,151**	**41**	.....	**1,641,004**
Total	**580,189**	**1,525,955**	**231,858**	**8,227**	**2,883**	.....	**1,868,942**

Table 96.—Employees, Salaries and Wages in the Coal Mines of Saskatchewan, 1928 and 1929

—	1928	1929
Number of Salaried employees—		
Male	29	29
Female	3	2
Number of Wage-earners—		
Surface	111	127
Underground	398	434
Total	**541**	**592**
Salaries and wages—		
Salaries	$ 68,374	$ 70,304
Wages	$473,520	$530,391
Total	**$541,894**	**$600,695**

Table 97.—Employment and Earnings in the Coal Mines of Saskatchewan, 1925-1929

—	1925	1926	1927	1928	1929
Average number of wage-earners—					
Surface	125	107	113	111	127
Underground	392	363	396	398	434
Total	**517**	**470**	**509**	**509**	**561**
Days' work done—					
Surface	27,211	24,659	25,833	22,186	28,893
Underground	83,530	76,017	83,169	78,122	97,151
Total	**110,741**	**100,676**	**109,002**	**100,308**	**126,044**
Average number of days worked per man per year—					
Surface	218	230	228	199	227
Underground	213	209	210	196	224
By all wage-earners	**214**	**214**	**214**	**199**	**225**
Total wages paid	**$471,546**	**$455,256**	**$482,022**	**$473,520**	**$530,391**
Average wage earned per man per day	**$4·26**	**$4·52**	**$4·42**	**$4·72**	**$4·21**

Table 98.—Wage-Earners Employed, and Work Done by Months in Saskatchewan Coal Mines in 1929

Month	Number of wage-earners			Days' work done		
	Surface	Underground	Total	Surface	Underground	Total
January	137	574	711	2,758	11,371	14,129
February	136	555	691	2,392	9,766	12,158
March	130	462	592	1,955	6,978	8,933
April	109	304	413	2,389	6,993	9,382
May	109	264	373	1,897	4,606	6,503
June	112	256	368	1,863	4,280	6,143
July	115	260	275	1,915	4,409	6,324
August	114	277	391	1,975	4,854	6,829
September	131	483	614	2,554	8,659	11,213
October	146	586	732	3,117	11,692	14,809
November	141	596	737	2,954	11,472	14,426
December	144	590	734	3,124	12,071	15,195
Total	.....	.....	.....	**28,893**	**97,151**	**126,044**

Table 99.—Wage-Earners in Saskatchewan Coal Mines, by Classes, 1928 and 1929

Classification	1928			1929		
	Surface	Underground	Total	Surface	Underground	Total
SURFACE—						
Administration	7	1	8	9	1	10
Foremen and clerks	13	1	14	16	2	18
Screenmen and loaders	30	2	32	35	.....	35
UNDERGROUND—						
Officials	.....	7	7	.....	11	11
Hand cutters and helpers	.....	223	223	.....	253	253
Machine cutters	.....	19	19	.....	18	18
Machine loaders and helpers	.....	53	53	.....	46	46
Horse haulage employees	3	42	45	7	54	61
Mechanical haulage employees	1	8	9	1	10	11
Ventilation employees	.....	2	2	.....	1	1
Roadmakers	.....	18	18	.....	16	16
Timbermen	.....	7	7	.....	7	7
Pumpmen	.....	8	8	.....	8	8
MISCELLANEOUS—						
Enginemen	10	.....	10	10	.....	10
Firemen	13	.....	13	14	.....	14
Machinists	2	.....	2	3	.....	3
Carpenters and masons	8	.....	8	7	.....	7
Other mechanics	4	1	5	4	2	6
All other employees	20	6	26	21	5	26
Total	**111**	**398**	**509**	**127**	**434**	**561**

Table 100.—Capital Employed in the Coal Mines of Saskatchewan, 1928 and 1929

—	1928	1929
	$	$
Capital employed as represented by—		
Cost of lands, buildings, machinery and tools	3,746,791	3,749,528
Cost of supplies and stock on hand	61,512	83,339
Cash, trading and operating accounts and bills receivable	162,999	163,851
Total	**3,971,302**	**3,996,718**

CHAPTER NINE

ALBERTA

Coal mined in Alberta during 1929 amounted to 7,150,693 tons, a 2·53 per cent decrease from the high record of 7,336,330 tons set up in 1928. Lignite coal production was slightly higher than the total for the preceding year, and accounted for 47·38 per cent of Alberta's output. Bituminous coal made up 43·27 per cent of the total and amounted to 3,094,147 tons. The sub-bituminous output was 668,702 tons.

Mines in six coal producing districts accounted for nearly 83 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 coal as sub-bituminous; and Drumheller, Lethbridge and Edmonton coals as lignite.

Seventy-four per cent of their possible output was produced by Alberta mines during recognized operating periods in 1929. Tonnage lost due to causes other than strikes and lockouts was estimated at 2,489,481 tons. Only one labour dispute involving 250 men was recorded in 1929. Loss in working time due to this cause was 10,000 man-days and as the average daily production per man in Alberta was 3·236 tons, the computed output loss was 32,360 tons.

Coal available for use in Alberta in 1929 totalled 4,852,776 tons as against 4,968,075 tons in the preceding year. Bituminous coal made available for consumption was 2,964,522 tons; lignite, 1,449,855 tons; and sub-bituminous, 438,399 tons. Alberta's coal output in 1929 was 7·15 million tons, shipments to other Canadian provinces amounted to 2·35 million tons, thus leaving 4·80 million tons of Alberta coal available for use within the province. The average annual consumption of coal in Alberta during the past five years was 4,586,078 tons so it is apparent that the province is more than self-sustaining in respect to coal supply.

The year opened with Alberta coal mines furnishing employment to 11,174 wage-earners; the succeeding four months recorded a falling-off in the number of men employed. The usual slight recovery was shown in June and during the following months to the close of the year a steady growth in employment was observed. December was the month of maximum employment with 11,507 men on the payrolls of the producing mines. The yearly average was 9,534, the highest on record for the province. Salaries and wages paid during the year totalled $14,605,-197, a slight decline from the 1928 total of $14,644,547. On the average mine employees worked 243 days in 1929; the average daily wage was $5.94.

Table 101.—Output of Coal from Alberta Mines, 1886-1929

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	2,894,469	7,065,736
1888	115,124	183,354	1911	1,511,036	3,979,264
1889	97,364	179,640	1912	3,240,577	8,113,525
1890	128,753	198,298	1913	4,014,755	10,418,941
1891	174,131	437,243	1914	3,683,015	9,350,392
1892	178,970	469,605	1915	3,360,818	8,284,079
1893	230,070	586,260	1916	4,559,054	11,386,577
1894	184,940	473,837	1917	4,736,368	14,153,685
1895	169,885	382,526	1918	5,972,816	20,537,287
1896	209,162	581,832	*1919	4,933,665	18,295,205
1897	242,163	630,408	*1920	6,907,765	30,186,933
1898	315,088	787,720	*1921	5,809,217	27,246,514
1899	309,600	774,000	*1922	5,993,011	24,351,913
1900	311,450	778,625	*1923	6,854,397	28,018,303
1901	340,275	850,687	*1924	5,189,729	18,884,318
1902	402,819	969,601	*1925	5,869,031	20,021,484
1903	495,893	1,117,541	*1926	6,503,705	20,886,103
1904	661,732	1,404,524	*1927	6,934,162	21,982,058
1905	931,917	1,993,915	*1928	7,336,330	23,532,414
1906	1,246,366	2,614,762	*1929	7,150,693	22,928,182
1907	1,591,579	3,836,286			
1908	1,685,661	4,127,311	**Total**	**115,687,557**	**377,968,676**

*For the years 1919-1929 the tonnage shown is the total output from all mines; for previuos years the figures given eclude only sales, colliery consumption and coal used by the operators.

Table 102.—Output of Coal from Alberta Mines, by Months, 1925-1929

(Short tons)

Month	1925	1926	1927	1928	1929
January	732,154	571,555	697,240	917,625	705,142
February	443,807	497,154	621,845	635,005	768,832
March	382,860	428,317	466,154	618,116	571,968
April	235,019	405,839	464,732	450,696	567,603
May	354,469	391,177	459,626	356,688	523,766
June	384,817	423,100	461,019	436,472	494,375
July	417,741	469,623	448,607	514,405	482,380
August	421,813	462,881	485,420	618,806	481,966
September	378,028	496,407	514,645	546,279	550,492
October	652,145	661,152	610,998	736,686	666,039
November	753,733	782,595	793,882	782,469	655,554
December	712,445	913,905	909,994	723,083	682,576
Total	**5,869,031**	**6,503,705**	**6,934,162**	**7,316,330**	**7,150,693**

Table 103.—Output of Coal by Districts in Alberta, 1927-1929

(Short tons)

District	1927	1928	1929
BITUMINOUS—			
Brûlé	130,611	75,203	.....
Cascade	290,211	283,586	299,432
Crowsnest	1,443,161	1,639,358	1,553,716
Mountain Park	883,913	975,583	993,414
Nordegg	236,617	241,764	247,585
Total bituminous	2,984,513	3,215,494	3,094,147
SUB-BITUMINOUS—			
Coalspur	505,954	645,353	566,477
Morley	.....	.....	.....
Pekisko	4,318	2,199	4,495
Pincher	2,165	3,218	1,871
Prairie Creek	.....	.....	6,771
Saunders	83,718	89,726	89,088
Total sub-bituminous	596,155	740,496	668,702
LIGNITE—			
Ardley	8,102	6,763	3,297
Big Valley	20,182	9,298	4,564
Brooks	4,004	5,068	6,635
Camrose	53,525	44,159	41,125
Carbon	91,072	110,293	111,312
Castor	35,578	33,635	31,203
Champion	8,057	8,789	10,659
Drumheller	1,459,955	1,489,452	1,576,301
Edmonton	513,166	452,883	477,605
Gleichen	3,285	3,294	2,847
Hulcourt	608	638	522
Lethbridge	693,995	795,796	731,205
Magrath	463	598	912
Milk River	1,914	1,087	868
Pakowki	1,875	1,916	1,746
Pembina	177,388	158,980	162,333
Redcliffe	29,119	25,696	27,256
Sexsmith	.....	.....	.....
Sheerness	26,525	22,664	20,218
Slave Lake	.....	531	.....
Steveville	123	.....	.....
Taber	72,190	58,923	22,139
Tofield	151,998	149,011	155,079
Wainwright	.....	.....	.....
Wetaskiwin	260	147	18
Whitecourt	110	119	.....
Total lignite	3,353,494	3,380,340	3,387,844
Total Alberta	**6,934,162**	**7,336,330**	**7,150,693**

Table 104.—Output of Coal by Principal Collieries in Alberta, 1927-1929 (Average of 500 tons or more per month)

(Short tons)

Name and address	1927	1928	1929
Bituminous			
BRÛLÉ DISTRICT—			
Blue Diamond Coal Co., Ltd., Brulé Mines	130,611	75,203	.....
Total	130,611	75,203	.....
CASCADE DISTRICT—			
Canmore Coal Co., Ltd., Canmore	290,211	283,281	298,724
All other operators	.....	305	708
Total	290,211	283,586	299,432
CROWSNEST DISTRICT—			
Cartwright & Thomason (formerly Sunburst Coal Co.), Blairmore	3,079	2,911	6,276
Hillcrest Collieries, Ltd., Hillcrest	230,528	270,839	241,628
International Coal and Coke Co., Ltd., Coleman	275,559	328,410	293,288
McGillivray Creek Coal and Coke Co., Ltd., Coleman	305,896	316,543	297,957
Mohawk Bituminous Mines, Ltd., Calgary	8,201	34,519	84,325
West Canadian Collieries, Ltd., Blairmore	618,352	682,662	625,448
All other operators	1,552	3,474	4,794
Total	1,443,161	1,639,358	1,553,716
MOUNTAIN PARK DISTRICT—			
Cadomin Coal Co., Ltd., Cadomin	476,212	542,587	498,885
Luscar Collieries, Ltd., Edmonton	244,590	245,364	291,919
Mountain Park Collieries, Ltd., 410 Tegler Bldg., Edmonton	163,111	187,632	202,610
Total	883,913	975,583	993,414
NORDEGG DISTRICT—			
Brazeau Collieries Ltd., Nordegg	236,617	241,764	247,585
Total	236,617	241,764	247,585
Total bituminous	2,984,513	3,215,494	3,094,147
Sub-Bituminous			
COALSPUR DISTRICT—			
Bryan Coal Co., Ltd., Adams Bldg., Edmonton	19,212	30,043	31,507
Coalspur Collieries, Ltd., Coalspur	1,079	16,234	.....
Coal Valley Mining Co., Ltd., Coal Valley	156,563	212,282	177,638
Confederation Coal Co., Ltd. (formerly Northern Alberta Mines), Lovell	2,557	4,176	1,404
Foothills Collieries, Ltd., Foothills	57,040	81,546	83,226
Lakeside Coal Ltd. (formerly Balkan Coal Co., Ltd.), Edmonton	25,699	39,981	40,251
McLeod River Collieries (formerly Saunders Ridge Coal Co., Ltd.), Mercoal	95,241	78,691	79,642
Sterling Collieries Ltd., Edmonton	148,020	182,400	142,126
Superba Coal Co., Ltd., Lovell	.....	.....	10,683
All other operators	543	.....	.....
Total	505,954	645,353	566,477
MORLEY DISTRICT	.....	.....	.....
PEKISKO DISTRICT	4,318	2,199	4,495
PINCHER DISTRICT	2,165	3,218	1,871
PRAIRIE CREEK DISTRICT—			
Jasper Coal Co., Ltd	.....	.....	5,981
All other operators	.....	.....	790
Total	.....	.....	6,771
SAUNDERS DISTRICT—			
Alexo Coal Co., Ltd., Alexo	38,847	45,541	45,846
Bighorn and Saunders Creek Collieries, Ltd., Saunders	39,242	44,059	43,242
All other operators	5,629	126	.....
Total	83,718	89,726	89,088
Total sub-bituminous	596,155	740,496	668,702
Lignite			
ARDLEY DISTRICT—			
Sunbeam Coal Co., Ltd., Ardley	4,531	678	.....
All other operators	3,571	6,085	3,297
Total	8,102	6,763	3,297

Table 104.—Output of Coal by Principal Collieries in Alberta, 1927-1929 (Average of 500 tons or more per month)—Continued

(Short tons)

Name and address	1927	1928	1929
Lignite—Continued			
BIG VALLEY DISTRICT—			
Big Valley Collieries, Ltd., Big Valley	8,427	.....	.....
Watson, W. (formerly Big Valley Power and Mining Co., Ltd.), Big Valley	8,819	7,452	2,430
All other operators	2,936	1,846	2,134
Total	20,182	9,298	4,564
BROOKS DISTRICT—	4,004	5,668	6,635
CAMROSE DISTRICT—			
Canadian Dinant Coal Co., Dinant	34,908	32,027	28,620
Stoney Creek Collieries, Ltd., Camrose	8,720	7,755	9,719
All other operators	9,897	4,377	2,786
Total	53,525	44,159	41,125
CARBON DISTRICT—			
Ellis Coal Co., Ltd., Three Hills	25,006	24,087	15,844
Fox Coal Co., Carbon	4,250	8,196	2,978
Oliphant, J. H., Carbon	6,821	8,351	11,177
Palisade Coal Co., Ltd. (formerly Palisade Collieries, Ltd., Three Hills)	6,352	6,884	7,760
Peerless Carbon Collieries, Ltd., Carbon	32,891	51,037	63,315
Shannon Coal Co., Ltd., Carbon	3,402	.....	.....
All other operators	12,350	11,738	10,238
Total	91,072	110,293	111,312
CASTOR DISTRICT	35,578	33,635	31,203
CHAMPION DISTRICT	8,057	8,789	10,659
DRUMHELLER DISTRICT—			
Alberta Block Coal Co., Ltd., Drumheller	99,227	83,370	37,323
Albion Coal Co., Ltd., Calgary	.....	.....	8,511
Arcadia Coal Co., Calgary	.....	1,391	9,069
Atlas Coal Co., Ltd., East Coulee	69,294	85,287	104,226
Caledonian Collieries, Ltd., Drumheller	21,071	25,735	.....
Drumheller Consolidated Collieries Ltd., Calgary	.....	.....	26,129
Elgin Coal Co., Ltd., Drumheller	91,978	110,560	62,155
Excelsior Collieries, Ltd., Wayne	38,975	41,326	20,571
Great West Coal Co., Ltd. (Star Mine), Aerial	57,542	88,139	71,414
Hy-Grade Coal Co., Drumheller	74,305	122,215	119,331
Ideal Coal Co., Ltd., Wayne	97,420	50,626	69,956
Jewel Collieries, Ltd., Wayne	102,898	45,818	77,828
Maple Leaf Minerals Ltd., Drumheller	.....	.....	8,279
Midland Coal Mining Co., Ltd., Midlandvale	130,488	187,192	205,795
Minute Mine, Drumheller	1,267	5,391	4,014
Monogram Coal Co., Ltd., Rosedale	.....	1,036	571
Murray Collieries, Ltd., Drumheller	1,202	5,517	52,095
Newcastle Coal Co., Ltd., Drumheller	82,373	82,198	102,400
Newcastle Junior Mining Co., Ltd., Drumheller	93,478	85,990	58,947
Ontalta Collieries, Ltd., Rosedale Station	3,352	.....	.....
Rosedale Coal Co., Ltd., Rosedale	116,930	121,502	151,410
Rose Deer Coal Mining Co., Ltd., Wayne	138,224	49,905	81,555
Sovereign Coal Mining Co., Ltd., (formerly Western Commercial Co., Ltd.), Wayne	53,514	23,036	31,624
Superior Grade Coal Co., Ltd., Wayne	13,312	23,128	11,157
Thomas, J. D. Coal Co., Nacmine	92,899	126,866	123,350
Triangle Coal Co. (formerly Leech & Milne), Drumheller	2,832	605	2,996
Western Gem Coal Co., Ltd., Drumheller	74,125	119,516	129,163
All other operators	3,249	3,097	6,432
Total	1,459,955	1,489,452	1,576,301
EDMONTON DISTRICT—			
Bush Mines, Ltd. (formerly Beverly Coal Co.), Edmonton	11,304	13,942	12,643
Cardiff Coal Co. (formerly Canadian Coal Co., Ltd.), Cardiff	31,807	17,518	5,049
Dalphond, J. B.	2,769	685	.....
Dawson Coal Co., Ltd., 7 McDougall Court, Edmonton	21,244	21,583	19,774
Fraser-Mackay Collieries, Ltd., 10055 101st., Edmonton	66,042	60,810	57,895
Great West Coal Co., Ltd. (Black Diamond Mine), Edmonton	97,403	94,036	99,137
Keith and Fulton Coal Co., Edmonton	5,727	4,794	4,422
Marcus Coal Mines, Ltd., Edmonton	54,854	44,999	57,571
Ottewell Coal Co., Clover Bar	17,917	13,265	17,008
Penn Mine Coal Co., Ltd., Edmonton	16,250	7,290	8,200
Penn Mines, Ltd. (formerly Edmonton Collieries, Ltd.), Fraser Flats, Edmonton	116,743	114,197	119,670

Table 104.—Output of Coal by Principal Collieries in Alberta, 1927-1929 (Average of 500 tons or more per month)—Continued

(Short tons)

Name and address	1927	1928	1929
Lignite—Concluded			
EDMONTON DISTRICT—Continued			
Premier Coal Co., Ltd., Edmonton	11,516	10,931	11,862
Parker, L. (formerly Sun Coal Co., Ltd.), Cardiff	22,456	12,676	6,284
Sturgeon Valley Collieries, Ltd., Carbondale	19,589	15,410	20,603
Sinoski, M., Strathcona	2,261	4,565	6,137
Rabbit Hill Collieries, Ltd., Strathcona	1,849	3,208	10,777
All other operators	13,435	12,968	20,573
Total	513,166	452,883	477,605
GLEICHEN DISTRICT	3,285	3,294	2,847
HALCOURT DISTRICT	608	638	522
LETHBRIDGE DISTRICT—			
Canadian Pacific Railway Co., Dept. of Natural Resources, Calgary	335,647	378,501	369,344
City of Lethbridge Coal Mines, Lethbridge	11,087	10,669	12,078
Consolidated Diamond Collieries, Ltd., Diamond City	33,642	42,765	4,650
Cadillac Coal Co., Ltd. (formerly Donaldson, C. S., Coal Co.), Lethbridge	21,249	28,113	46,595
Coal Producers Ltd. (formerly North American Collieries, Ltd.), Calgary	274,148	321,822	285,056
Royal Lethbridge Collieries, Lethbridge	8,025	5,317	4,533
All other operators	10,197	8,609	8,949
Total	693,995	795,796	731,205
MAGRATH DISTRICT	463	598	912
MILK RIVER DISTRICT	1,914	1,087	868
PAKOWKI DISTRICT	1,875	1,910	1,746
PEMBINA DISTRICT—			
Lakeside Coals Ltd., Edmonton	54,811	36,430	46,679
Coal Producers Ltd. (formerly North American Collieries, Ltd.), Calgary	122,505	122,422	115,546
All other operators	72	128	108
Total	177,388	158,980	162,333
REDCLIFF DISTRICT—			
Oliphant, John (formerly Ajax Coal Co., Ltd.), Medicine Hat	17,350	9,241	13,620
Redcliff Brick and Coal Co., Ltd., Redcliff	11,769	16,455	13,636
Total	29,119	25,696	27,256
SEXSMITH DISTRICT	.....	.....	.....
SHEERNESS DISTRICT—			
Warneboldt, Julius, Sheerness	7,942	5,953	4,695
All other operators	18,583	16,711	15,523
Total	26,525	22,664	20,218
SLAVE LAKE	.....	531	.....
STEVEVILLE DISTRICT	123	.....	.....
TABER DISTRICT—			
Leblanc, Emile, Taber	10,015	2,139	.....
Majestic Mines, Ltd. (formerly Leland Coal Co., Ltd.), Taber	53,886	50,091	11,794
All other operators	8,289	6,693	10,345
Total	72,190	58,923	22,139
TOFIELD DISTRICT—			
Eastern Alberta Coal Mines Ltd. (formerly Chappell Coal Co., Ltd.), Edmonton	2,662	12,095	2,844
Dobell Coal Co., Ltd., Tofield	26,625	23,308	10,173
Tofield Coal Co., Ltd., Tofield	118,423	109,472	138,709
All other operators	4,288	4,136	3,203
Total	151,998	149,011	155,079

Table 104.—Output of Coal by Principal Collieries in Alberta, 1927-1929 (Average of 500 tons or more per month)—Concluded

(Short tons)

Name and address	1927	1928	1929
Lignite—Concluded			
WAINWRIGHT DISTRICT	.....	.....	.....
WETASKIWIN DISTRICT	260	147	18
WHITECOURT DISTRICT	110	119	.....
Total lignite	3,353,494	3,380,340	3,387,844
Total Alberta	**6,934,162**	**7,336,330**	**7,150,693**

Table 105.—Tonnage Lost in Alberta Coal Mines, Showing by Districts the Relative Percentage Produced and Lost, with an Analysis of the Percentage Lost, 1928 and 1929

District	Per cent produced		Per cent lost		Percentage lost through									
					Absentee-ism		Lack of orders		Car shortage		Mine disability		Other causes	
	1928	1929	1928	1929	1928	1929	1928	1929	1928	1929	1928	1929	1928	1929
BITUMINOUS—														
Brule	95	.....	5	.....	.....	.....	.....	.....	1·8	.....	1·5	.....	1·7	.....
Cascade	88	80	12	20	5·7	4·3	4·7	15·6	.....	.....	.....	.....	1·6	0·1
Clearwater	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Crowsnest	80	75	20	25	0·7	0·4	12·	20·5	6·	3·8	1·0	0·1	0·3	0·2
Highwood	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mountain Park	88	89	12	11	1·2	0·8	7·2	4·3	2·2	5·0	0·6	0·2	0·8	0·7
Nordegg	79	69	21	31	.....	.....	19·9	31·0	.....	.....	.....	.....	1·1	.....
Old Man	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Panther	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Smoky River	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total bituminous	83	79	17	21	1·2	0·9	10·5	16·3	4·3	3·4	0·3	0·1	0·7	0·3
SUB-BITUMINOUS—														
Coalspur	83	78	17	22	0·3	0·1	7·4	12·7	1·2	1·4	3·9	4·4	4·2	3·4
Morley	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pekisko	65	64	35	36	.....	.....	.....	.....	.....	.....	.....	3·8	35·0	32·2
Pincher	62	50	38	50	.....	.....	23·0	43·0	.....	.....	0·4	.....	14·0	7·0
Prairie Creek	.....	66	.....	34	.....	.....	.....	0·8	.....	.....	.....	0·6	.....	32·6
Saunders	79	77	21	23	.....	.....	.....	20·9	.....	.....	.....	0·7	.....	1·4
Total sub-bituminous	82	77	18	23	0·3	.....	9·3	13·8	1·0	1·3	3·5	4·1	3·9	3·8
LIGNITE—														
Ardley	60	61	40	39	0·1	.....	4·1	10·8	0·2	.....	2·9	.....	32·7	28·2
Big Valley	78	53	22	47	.....	.....	9·8	31·7	.....	.....	.....	.....	12·2	15·3
Brooks	92	98	8	2	.....	.....	.....	.....	.....	.....	0·5	.....	7·5	2·0
Camrose	74	60	26	40	.....	.....	20·0	35·9	.....	.....	.....	.....	6·0	4·1
Carbon	72	63	28	37	0·7	.....	22·3	30·0	0·2	.....	0·4	1·0	4·4	6·0
Castor	68	64	32	36	0·5	0·8	12·7	15·1	.....	.....	.....	.....	18·8	20·1
Champion	68	68	32	32	.....	.....	6·8	5·4	.....	.....	0·4	.....	24·8	26·6
Drumheller	75	70	25	30	0·2	0·1	21·0	26·6	.....	.....	0·8	0·5	3·0	2·8
Edmonton	68	76	32	24	1·4	1·2	29·0	19·8	.....	.....	0·2	0·4	1·4	2·6
Empress	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Gleichen	86	84	14	16	.....	.....	6·0	8·5	.....	.....	.....	.....	8·0	7·5
Halecourt	58	56	42	44	.....	.....	9·6	.....	.....	.....	.....	.....	32·4	44·0
Lethbridge	82	69	18	33	0·9	0·8	15·2	30·3	0·2	0·1	0·4	0·2	1·3	1·6
Magrath	71	79	29	21	.....	.....	.....	.....	.....	.....	.....	.....	29·0	21·0
Milk River	52	65	48	35	.....	.....	20·0	17·9	.....	.....	.....	.....	28·0	17·1
Pakan	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pakowki	53	55	47	45	.....	.....	0·8	1·8	.....	.....	.....	.....	46·2	43·2
Pembina	72	74	28	26	1·1	0·9	25·4	22·0	0·7	1·0	0·2	0·4	0·6	1·7
Redcliffe	80	63	20	37	.....	.....	17·0	34·4	.....	.....	.....	.....	3·0	2·6
Rochester	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Seismith	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sheerness	67	58	33	42	.....	0·5	27·0	29·9	.....	0·1	.....	0·4	6·0	11·1
Shave Lake	67	.....	33	.....	.....	.....	.....	.....	.....	.....	.....	.....	33·0	.....
Steveville	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Taber	70	56	30	44	.....	.....	14·0	9·6	.....	.....	4·0	23·7	12·0	10·7
Tofield	73	78	27	22	.....	.....	16·8	16·6	.....	.....	.....	.....	10·2	5·4
Wainwright	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Wetaskiwin	49	30	51	70	.....	.....	19·0	.....	.....	.....	.....	32·5	32·0	37·5
Whitecourt	29	.....	71	.....	.....	.....	24·0	.....	.....	.....	.....	.....	47·0	.....
Total lignite	75	70	25	30	0·6	0·3	20·5	25·9	0·1	0·1	0·6	0·6	3·2	3·1
Total Alberta	**79**	**74**	**21**	**26**	**0·8**	**0·6**	**15·3**	**21·0**	**1·9**	**1·6**	**0·7**	**0·7**	**2·3**	**2·1**

Table 106.—Total Disposition of Coal from Alberta Mines by Grades, 1928 and 1929

(Short tons)

—	1928		1929					
	Total		Run-of-mine	Lump	Nut and other grades	Slack	Total	
	Quantity	Value					Quantity	Value
		$						$
Supplied to employees for domestic consumption	41,856	121,763	16,730	23,864	4,878	18	45,490	134,506
Coal shipped as per Table 110	6,895,221	22,817,450	3,184,957	2,107,941	829,518	591,490	6,713,906	22,187,430
Used under colliery boilers	219,209	475,040	112,870	4,012	13,462	113,795	244,139	468,662
Used by companies' railroads	7,471	19,130	6,677	.....	918	.....	7,595	17,942
Used in making coke at colliery	.....	.....	.....	.....	.....	.....	.....	.....
Used in making briquettes	22,883	85,808	.....	.....	.....	26,180	26,180	96,166
Put on bank	58,942	143,617	22,517	17,572	8,814	12,280	61,183	195,363
Put on waste heap	121,546	.....	.....	.....	.....	.....	110,179	.....
Total disposition	7,388,128	23,652,808	3,343,751	2,153,389	857,590	743,763	7,208,672	23,098,069
Lifted from bank	51,798	130,391	15,937	16,157	8,688	17,197	57,979	169,887
Total output	7,336,330	23,532,414	3,327,814	2,137,232	848,902	726,566	7,150,693	22,928,182

Table 107.—Disposition of Bituminous Coal from Alberta Mines, 1928 and 1929

(Short tons)

—	1928		1929					
	Total		Run-of-mine	Lump	Nut and other grades	Slack	Total	
	Quantity	Value					Quantity	Value
		$						$
Supplied to employees for domestic consumption	17,306	48,908	14,777	3,528	.....	.....	18,305	53,129
Coal shipped as per Table 111	3,041,903	10,722,720	2,768,188	22,614	4,188	124,448	2,919,438	10,363,247
Used under colliery boilers	101,733	325,149	101,917	.....	.....	.....	101,917	323,872
Used by companies' railroads	2,145	7,661	1,125	.....	.....	.....	1,125	4,140
Used in making coke at colliery	.....	.....	.....	.....	.....	.....	.....	.....
Used in making briquettes	22,883	85,808	.....	.....	.....	26,180	26,180	96,166
Put on bank	21,437	67,701	18,769	.....	.....	.....	18,769	67,332
Put on waste heap	27,956	.....	.....	.....	.....	.....	23,958	.....
Total disposition	3,234,360	11,257,947	2,904,776	26,142	4,188	150,628	3,109,692	10,907,986
Lifted from bank	18,866	67,767	15,545	.....	.....	.....	15,545	56,487
Total output	3,215,494	11,190,180	2,889,231	26,142	4,188	150,628	3,094,147	10,851,499

Table 108.—Disposition of Sub-Bituminous Coal from Alberta Mines, by Grades, 1928 and 1929

(Short tons)

—	1928		1929					
	Total		Run-of-mine	Lump	Nut and other grades	Slack	Total	
	Quantity	Value					Quantity	Value
		$						$
Supplied to employees for domestic consumption	1,400	4,507	651	307	385	5	1,348	4,797
Coal shipped as per Table 112	651,082	2,007,195	140,735	178,188	187,828	73,997	580,748	1,836,338
Used under colliery boilers	23,840	49,967	10,649	202	3,094	14,318	28,263	45,744
Used by companies' railroads	4,190	8,380	5,147	.....	.....	.....	5,147	10,294
Put on bank	5,132	11,289	3,532	1,164	976	1,099	6,771	20,113
Put on waste heap	56,655	.....	.....	.....	.....	.....	49,821	.....
Total disposition	742,299	2,081,338	160,714	179,861	192,283	89,419	672,098	1,917,286
Lifted from bank	1,803	5,126	191	700	883	1,622	3,396	8,332
Total output	740,496	2,076,212	160,523	179,161	191,400	87,797	668,702	1,908,954

Table 109.—Disposition of Lignite Coal from Alberta Mines, 1928 and 1929

(Short tons)

—	1928		1929					
	Total		Run-of-mine	Lump	Nut and other grades	Slack	Total	
	Quantity	Value					Quantity	Value
		$						$
Supplied to employees for domestic consumption	23,150	68,348	1,302	20,029	4,493	13	25,837	76,580
Coal shipped as per Table 113	3,303,236	10,087,533	276,034	1,907,139	637,502	393,045	3,213,720	9,987,845
Used under colliery boilers	114,639	99,324	304	3,810	10,368	99,477	113,959	96,946
Used by companies' railroads	1,136	3,089	405	.....	918	.....	1,323	3,508
Put on bank	32,373	64,627	210	16,408	7,838	11,181	35,643	107,918
Put on waste heap	36,935	.....	.....	.....	.....	.....	36,400	.....
Total disposition	3,411,469	10,323,523	278,261	1,947,386	661,119	503,716	3,426,882	10,272,797
Lifted from bank	31,129	57,501	201	15,457	7,805	15,575	39,038	105,068
Total output	3,380,340	10,266,022	278,060	1,931,929	653,314	488,141	3,387,844	10,167,729

Table 110.—Total Shipments of Coal from Alberta Mines, by Grades and Destination, 1928 and 1929

(Short tons)

Destination	1928					1929				
	Run-of-mine	Lump	Nut and other grades	Slack	Total	Run-of-mine	Lump	Nut and other grades	Slack	Total
Alberta	237,446	561,941	261,967	295,077	1,356,431	247,263	537,146	268,504	297,739	1,350,652
Saskatchewan	115,847	1,042,301	214,715	141,298	1,514,161	128,786	975,428	216,791	142,106	1,463,111
British Columbia	34,392	114,429	63,595	55,062	267,478	7,913	120,139	68,160	44,649	240,861
Manitoba	40,997	389,241	118,094	50,138	598,470	43,965	384,338	107,420	50,630	586,353
Ontario	33	35,450	8,991	286	44,760	219	46,297	9,230	.....	55,752
Quebec	.....	.....	.....	.....	.....	.....	33	.....	.....	33
United States	3,094	7,339	28,891	13,652	52,976	5,398	8,647	22,353	14,849	51,247
Railroads	2,860,483	5,962	159,670	34,830	3,060,945	2,751,413	35,913	137,054	41,517	2,965,897
Total	3,292,292	2,156,663	855,923	590,343	6,895,221	3,184,957	2,107,941	829,518	591,490	6,713,906

Table 111.—Shipments of Bituminous Coal from Alberta Mines, by Grades and Destination, 1928 and 1929

(Short tons)

Destination	1928					1929				
	Run-of-mine	Lump	Nut and other grades	Slack	Total	Run-of-mine	Lump	Nut and other grades	Slack	Total
Alberta	81,286	1,778	462	12,107	95,633	73,857	2,689	581	15,605	92,532
Saskatchewan	40,713	13,981	4,410	27,925	87,029	49,864	13,574	3,029	21,301	87,768
British Columbia	27,243	8,445	2,648	55,012	93,348	7,252	1,869	378	42,903	52,402
Manitoba	18,989	4,140	132	17,169	40,430	19,338	2,289	180	16,823	38,630
Ontario	33	.....	.....	.....	33	.....	.....	.....	.....	.....
United States	3,011	1,835	.....	13,079	17,925	5,398	2,042	.....	14,729	22,169
Railroads	2,691,771	210	754	13,770	2,706,505	2,612,679	151	20	13,087	2,625,937
Total	2,863,046	30,389	8,406	139,062	3,040,903	2,768,188	22,614	4,188	124,448	2,919,438

Table 112.—Shipments of Sub-Bituminous Coal from Alberta Mines, by Grades and Destination, 1928 and 1929

(Short tons)

Destination	1928					1929				
	Run-of-mine	Lump	Nut and other grades	Slack	Total	Run-of-mine	Lump	Nut and other grades	Slack	Total
Alberta	11,743	20,659	9,132	23,679	65,213	10,363	19,332	7,593	14,269	51,557
Saskatchewan	251	59,072	12,323	14,269	85,915	66	48,407	13,112	12,975	74,560
British Columbia	475	22,503	15,749	50	38,777	661	33,484	19,150	386	53,681
Manitoba	297	59,481	15,755	20,717	96,250	136	59,148	14,302	18,281	91,867
Ontario	.....	11,350	1,425	286	13,061	.....	8,926	1,269	.....	10,195
United States	83	390	195	573	1,241	.....	81	107	56	244
Railroads	167,496	4,283	157,786	21,060	350,625	129,509	8,810	132,295	28,030	298,644
Total	**180,345**	**177,738**	**212,365**	**80,634**	**651,082**	**140,735**	**178,188**	**187,828**	**73,997**	**580,748**

Table 113.—Shipments of Lignite Coal from Alberta Mines by Grades and Destination, 1928 and 1929

(Short tons)

Destination	1928					1929				
	Run-of-mine	Lump	Nut and other grades	Slack	Total	Run-of-mine	Lump	Nut and other grades	Slack	Total
Alberta	144,417	539,504	252,373	259,291	1,195,585	163,243	515,125	260,330	267,865	1,206,563
Saskatchewan	74,883	969,248	197,982	99,104	1,341,217	78,856	913,447	200,650	107,830	1,300,783
British Columbia	6,674	83,481	45,198	.....	135,353	.....	84,786	48,632	1,360	134,778
Manitoba	21,711	325,620	102,207	12,252	461,790	24,491	322,901	92,938	15,526	455,856
Ontario	.....	24,100	7,566	.....	31,666	219	37,371	7,967	.....	45,557
Quebec	.....	.....	.....	.....	.....	.....	33	.....	.....	33
United States	.....	5,114	28,696	.....	33,810	.....	6,524	22,246	64	28,834
Railroads	1,216	1,469	1,130	.....	3,815	9,225	26,952	4,739	400	41,316
Total	**248,901**	**1,948,536**	**635,152**	**370,647**	**3,203,236**	**276,034**	**1,907,139**	**637,502**	**393,045**	**3,213,720**

Table 114.—Exports of Canadian Coal through Alberta Ports, 1925-1929

(Short tons)

Port	1925	1926	1927	1928	1929
Lethbridge	926	631	585	843	1,060
Total	**926**	**631**	**585**	**843**	**1,060**

Table 115.—Imports into Alberta of Anthracite and Bituminous Coal by Ports of Entry, 1928 and 1929

(Short tons)

Port	Source	1928					1929				
		Anthracite			Bituminous all grades	Total	Anthracite			Bituminous all grades	Total
		Egg, nut, etc.	Dust	Total			Egg, nut, etc.	Dust	Total		
Calgary	U.S.	.....	.....	.....	445	445	.....	.....	.....	499	499
Edmonton	U.S.	.....	.....	.....	729	729	.....	.....	.....	822	822
Lethbridge	U.S.	.....	.....	.....	55	55	.....	.....	.....	6	6
Medicine Hat	U.S.	.....	.....	.....	131	131	.....	.....	.....	.....	.....
Total	**U.S.**	.....	.....	.....	**1,360**	**1,360**	.....	.....	.....	**1,327**	**1,327**

Table 116.—Summary Statistics for 1929-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	192,908	2,803	22,356	.....	.....	.....	173,355
Sub-bituminous	67,072	.....	31,337	.....	.....	.....	35,735
Lignite	445,162	.....	242,286	33	.....	.....	202,843
Total	705,142	2,803	295,979	33	.....	.....	411,933
February—							
Bituminous	232,854	1,551	22,729	.....	82	.....	211,758
Sub-bituminous	79,999	.....	33,703	.....	.....	.....	46,296
Lignite	455,979	.....	267,347	145	.....	.....	188,487
Total	768,832	1,551	323,779	145	82	.....	446,541
March—							
Bituminous	363,818	1,969	17,418	10	179	.....	348,538
Sub-bituminous	47,546	.....	7,419	.....	.....	.....	40,127
Lignite	160,604	.....	82,706	108	.....	.....	77,790
Total	571,968	1,969	107,543	118	179	.....	466,455
April—							
Bituminous	402,243	4,902	9,241	.....	69	.....	397,973
Sub-bituminous	42,738	.....	3,323	.....	.....	.....	39,415
Lignite	122,622	.....	49,058	.....	.....	.....	73,564
Total	567,603	4,902	61,622	.....	69	.....	510,952
May—							
Bituminous	379,377	4,466	12,143	23	249	.....	371,926
Sub-bituminous	45,191	.....	2,405	.....	.....	.....	42,786
Lignite	99,198	.....	43,549	40	.....	.....	55,609
Total	523,766	4,466	58,097	63	249	.....	470,321
June—							
Bituminous	340,099	4,508	11,138	.....	123	.....	333,592
Sub-bituminous	46,267	.....	3,408	.....	.....	.....	42,859
Lignite	108,009	.....	55,616	.....	.....	.....	52,393
Total	494,375	4,508	70,162	.....	123	.....	428,844
July—							
Bituminous	281,427	3,774	7,479	.....	114	.....	277,836
Sub-bituminous	58,369	.....	11,669	.....	.....	.....	46,700
Lignite	142,584	.....	83,776	69	.....	.....	58,739
Total	482,380	3,774	102,924	69	114	.....	383,275
August—							
Bituminous	222,547	7,697	11,771	.....	188	.....	218,661
Sub-bituminous	66,092	.....	21,418	.....	.....	.....	44,674
Lignite	193,327	.....	113,154	.....	.....	.....	80,173
Total	481,966	7,697	146,343	.....	188	.....	343,508
September—							
Bituminous	165,615	4,980	10,855	.....	123	.....	159,863
Sub-bituminous	51,005	.....	23,915	.....	.....	.....	27,090
Lignite	333,872	.....	210,795	170	.....	.....	122,907
Total	550,492	4,980	245,565	170	123	.....	309,860
October—							
Bituminous	156,278	6,027	12,804	7	115	.....	149,609
Sub-bituminous	54,131	.....	27,109	.....	.....	.....	27,022
Lignite	455,630	.....	276,093	179	.....	.....	179,358
Total	666,039	6,027	316,006	186	115	.....	355,989
November—							
Bituminous	153,767	3,148	19,368	5	48	.....	137,590
Sub-bituminous	59,600	.....	32,684	.....	.....	.....	26,916
Lignite	442,187	.....	268,644	77	.....	.....	173,466
Total	655,554	3,148	320,696	82	48	.....	337,972
December—							
Bituminous	203,214	2,101	21,531	.....	37	.....	183,821
Sub-bituminous	50,692	.....	31,913	.....	.....	.....	18,779
Lignite	428,670	.....	243,950	194	.....	.....	184,526
Total	682,576	2,101	297,394	194	37	.....	387,126
Total—							
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**

Table 117.—Employees, Salaries and Wages, in the Coal Mines of Alberta, by Districts, 1928

District	Average number of employees					Salaries and wages		
	Salaried employees		Wage-earners		Total	Salaries	Wages	Total
	Male	Female	Surface	Underground				
						$	$	$
BITUMINOUS—								
Brûlé	31	4	48	96	179	30,000	226,858	256,858
Cascade	28	1	89	198	316	65,177	514,977	580,154
Crowsnest	163	5	447	1,618	2,233	414,369	2,799,704	3,214,073
Mountain Park	53	3	255	630	941	172,938	1,605,410	1,778,348
Nordegg	16	1	97	250	364	43,998	478,995	522,993
Total bituminous	291	14	936	2,792	4,033	726,482	5,625,944	6,352,426
SUB-BITUMINOUS—								
Coalspur	32	2	309	325	668	103,431	957,954	1,061,385
Morley								
Pekisko			1	5	6		4,081	4,081
Pincher	1		2	6	9	625	5,837	6,462
Saunders	10		38	104	152	29,915	252,597	282,512
Total sub-bituminous	43	2	350	440	835	133,971	1,220,469	1,354,440
LIGNITE—								
Ardley	2		5	16	23	5,400	13,103	18,503
Big Valley	2		4	13	19	2,700	18,852	21,552
Brooks	1		3	6	10	3,600	13,483	17,083
Camrose	7		14	50	71	15,080	56,385	71,465
Carbon	13	1	34	130	178	24,380	181,556	205,936
Castor	2		8	57	67	2,100	36,812	38,912
Champion	2		2	17	21	2,700	14,857	17,557
Drumheller	104	4	366	1,513	1,987	287,707	2,865,324	3,153,031
Edmonton	62	3	114	518	697	106,845	638,917	745,762
Gleichen			2	5	7		6,791	6,791
Halcourt				1	1		1,896	1,896
Lethbridge	43	8	332	1,042	1,425	137,373	1,864,789	2,002,162
Magrath			1	2	3		1,390	1,390
Milk River	1			3	4	300	782	1,082
Pakowki				4	4		2,203	2,203
Pembina	15	2	49	124	190	43,344	216,805	259,149
Redcliffe	2		8	33	43	3,400	41,120	44,520
Sexsmith								
Sheerness	4		11	29	44	2,867	25,326	28,193
Slave Lake				1	1		387	387
Steveville								
Taber	9	1	23	107	140	12,249	123,792	136,041
Tofield	7		109	4	120	45,203	118,626	163,829
Wainwright								
Wetaskiwin				1	1		150	150
Whitecourt				1	1		87	87
Total lignite	276	19	1,085	3,677	5,057	694,248	6,243,433	6,937,681
Total Alberta	**610**	**35**	**2,371**	**6,909**	**9,925**	**1,554,701**	**13,089,846**	**14,644,547**

Table 118.—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	Total
	Male	Female	Surface	Underground				
						$	$	$
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	982	116,989	1,867,372	1,984,361
Nordegg	18	1	96	272	387	46,606	460,267	506,873
Total bituminous	245	13	1,006	2,894	4,158	619,608	5,631,381	6,250,989
SUB-BITUMINOUS—								
Coalspur	37	3	276	272	588	115,320	892,383	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	202	25,380	180,701	206,081
Castor	2		9	59	70	1,171	32,513	33,684
Champion			1	20	21		20,948	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	195	74,092	211,652	285,744
Redcliff	2		8	34	44	4,400	41,329	45,729
Sexsmith								
Sheerness	3		9	27	39	1,346	18,135	19,181
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								
Wetaskiwin			1	1	2		50	50
Whitecourt								
Total lignite	285	19	1,104	3,792	5,200	712,082	6,270,406	6,982,488
Total Alberta	**578**	**35**	**2,449**	**7,085**	**10,117**	**1,476,730**	**13,128,467**	**14,605,197**

Table 119.—Employment and Earnings in the Coal Mines of Alberta, 1925-1929

—	1925	1926	1927	1928	1929
Average number of wage-earners—					
Surface	2,248	2,149	2,304	2,371	2,449
Underground	6,438	6,518	6,628	6,909	7,085
Total	**8,686**	**8,667**	**8,932**	**9,280**	**9,534**
Days' work done—					
Surface	542,317	555,584	617,267	644,152	638,771
Underground	1,295,669	1,443,016	1,565,658	1,614,013	1,570,369
Total	**1,837,986**	**1,998,600**	**2,182,925**	**2,258,165**	**2,209,140**
Average number of days worked per man per year—					
Surface	241	258	268	272	261
Underground	201	206	236	234	222
By all wage-earners	**212**	**230**	**244**	**243**	**243**
Total wages paid	**$ 10,980,196**	**$ 11,129,594**	**$ 12,166,597**	**$ 13,089,846**	**$ 13,128,467**
Average wage earned per man per day	**$ 5·97**	**$ 5·56**	**$ 5·57**	**$ 5·79**	**$ 5·94**

Table 120.—Wage-Earners Employed, and Work Done by Months in the Coal Mines of Alberta in 1929

Month	Number of wage earners			Days' work done		
	Surface	Underground	Total	Surface	Underground	Total
January	2,625	8,549	11,174	62,084	167,932	230,016
February	2,641	8,457	11,098	59,238	166,197	225,435
March	2,407	6,805	9,212	49,715	118,063	167,778
April	2,117	5,493	7,610	45,197	108,568	153,765
May	2,113	5,117	7,230	44,835	103,027	147,862
June	2,229	5,478	7,707	46,683	103,594	150,277
July	2,268	5,785	8,053	49,324	102,740	152,064
August	2,427	6,262	8,689	54,133	112,636	166,769
September	2,540	7,362	9,902	56,871	130,776	187,647
October	2,674	8,315	10,989	60,428	154,822	215,250
November	2,635	8,604	11,239	55,147	147,732	202,879
December	2,713	8,794	11,507	55,116	154,282	209,398
Total	.....	.....	.....	**638,771**	**1,570,369**	**2,209,140**

Table 121.—Number of Man-Days' Work Done by Districts in Alberta Coal Mines, 1928 and 1929

District	1928			1929		
	Surface	Underground	Total	Surface	Underground	Total
BITUMINOUS—						
Brûlé	14,209	28,815	43,015	.....	.....	.....
Cascade	28,397	53,080	81,477	29,006	58,485	87,491
Crowsnest	129,606	377,195	506,801	125,195	364,857	490,052
Mountain Park	71,313	177,443	248,756	93,836	173,582	267,418
Nordegg	29,786	53,720	83,506	29,966	49,811	79,777
Total bituminous	273,302	690,253	963,555	278,003	646,735	924,738
SUB-BITUMINOUS—						
Coalspur	81,476	69,097	150,573	70,459	69,188	139,647
Morley	.....	.....	.....	.....	.....	.....
Pekisko	224	786	1,010	355	1,031	1,386
Pincher	436	966	1,402	377	712	1,089
Saunders	10,038	26,040	36,078	9,173	24,169	33,342
Prairie Creek	.....	.....	.....	5,328	3,211	8,539
Total sub-bituminous	92,174	96,889	189,063	85,692	98,311	184,003
LIGNITE—						
Ardley	995	2,757	3,752	324	1,655	1,979
Big Valley	1,100	2,766	3,866	347	1,833	2,180
Brooks	632	1,253	1,885	613	2,242	2,855
Camrose	3,076	10,558	13,634	2,721	8,246	10,967
Carbon	8,311	29,079	37,390	7,647	29,498	37,145
Castor	1,910	11,591	13,501	1,899	10,967	12,866
Champion	460	3,452	3,912	379	3,901	4,280
Drumheller	92,614	337,696	430,310	104,323	364,399	468,722
Edmonton	25,501	106,925	132,426	25,078	117,590	142,668
Gleichen	545	1,410	1,955	404	1,536	1,940
Halcourt	23	288	311	24	301	325
Lethbridge	93,368	257,487	351,855	86,783	237,904	324,687
Magrath	233	492	725	216	401	617
Milk River	29	515	544	3	364	367
Pakowki	94	520	614	53	642	695
Pembina	13,253	25,082	38,335	12,691	25,314	38,005
Redcliff	2,204	7,453	9,657	1,485	6,647	8,102
Sexsmith	.....	.....	.....	.....	.....	.....
Sheerness	2,264	5,783	8,047	1,794	4,817	6,611
Slave Lake	21	268	289	.....	.....	.....
Steveville	.....	.....	.....	.....	.....	.....
Taber	5,993	20,431	26,424	1,336	6,329	7,665
Tofield	25,999	838	26,837	26,974	723	27,697
Wainwright	.....	.....	.....	.....	.....	.....
Wetaskiwin	40	92	132	12	14	26
Whitecourt	11	135	146	.....	.....	.....
Total lignite	278,676	826,871	1,105,547	275,076	825,323	1,100,399
Total Alberta	**644,152**	**1,614,013**	**2,258,165**	**638,771**	**1,570,369**	**2,209,140**

Table 122.—Wage-Earners Employed in Alberta Coal Mines, by Classes, 1928 and 1929

Classification	1928			1929		
	Surface	Underground	Total	Surface	Underground	Total
SURFACE—						
Administration	91	7	98	87	5	92
Foremen and clerks	226	4	230	213	4	217
Screenmen and loaders	639	66	705	670	100	770
UNDERGROUND—						
Officials	10	314	324	4	327	331
Hand cutters and helpers	.....	2,432	2,432	.....	2,499	2,499
Machine cutters	.....	420	420	.....	414	414
Machine loaders and helpers	.....	1,544	1,544	.....	1,598	1,598
Horse haulage employees	19	607	626	22	627	649
Mechanical haulage employees	53	316	369	62	329	391
Ventilation employees	1	88	89	1	98	99
Roadmakers	4	173	177	7	177	184
Timbermen	2	343	345	1	297	298
Pumpmen	2	41	43	2	44	46
MISCELLANEOUS—						
Enginemen	167	3	170	161	4	165
Firemen	116	1	117	118	.....	118
Machinists	71	5	76	80	6	86
Carpenters and masons	63	1	64	76	1	77
Other mechanics	103	4	107	105	6	111
All other employees	804	540	1,344	840	549	1,389
Total	**2,371**	**6,909**	**9,280**	**2,449**	**7,085**	**9,534**

Table 123.—Capital Employed in the Coal Mines of Alberta, 1928 and 1929

—	1928	1929
	$	$
Capital employed as represented by—		
Cost of lands, buildings, machinery and tools	47,006,422	47,031,532
Cost of supplies and stock on hand	1,113,144	1,072,587
Cash, trading and operating accounts and bills receivable	8,218,333	7,968,965
Total	**56,337,899**	**56,073,084**

CHAPTER TEN

BRITISH COLUMBIA

The output of coal from British Columbia mines in 1929 was 2,490,378 tons, a decrease of 11·2 per cent from the 1928 production of 2,804,594 tons. Mines in Inland district recorded only a slight decline in output but in Crows Nest Pass and Island districts a considerable falling-off was reported.

Eighty-one per cent of the possible output of the mines in operation during the year was produced. Of the nineteen per cent, or 577,519 tons lost during recognized operating periods, 15·2 per cent was due to lack of orders. No strikes or lockouts were recorded in 1929.

Railroads were the principal consumers of British Columbia coal in 1929. Shipments for railroad use accounted for approximately 45 per cent of the total tonnage shipped from the mines. Coal sold for consumption within the province (exclusive of railway coal) amounted to 782,312 tons or 38 per cent of the total shipments. The remainder of the coal shipped was consigned to Alberta, Saskatchewan, Manitoba, the United States, Alaska and for ships' bunkers.

Exports of Canadian coal through British Columbia ports were recorded at 458,290 tons, a decrease of 4·6 per cent from the 1928 total of 480,533 tons. Coal was imported into British Columbia from the United States, Great Britain and Japan; the total for the year was 31,227 tons. In 1929, coal made available for consumption was 2,193,180 tons; a 12·7 per cent decline from the 1928 available supply of 2,511,073 tons.

The 5,068 employees on the coal mine staffs in British Columbia received a total remuneration of $6,728,591 in 1929. Colliery employees worked 1,237,629 man-days during the year, or an average of 258 days per man. The average daily wage earned in 1929 was $4.92 as compared with $4.89 in the preceding year.

In 1929, fuel oil available for use in British Columbia was estimated at 168 million gallons, made up of 36 million gallons imported and 132 million gallons produced by British Columbia refineries.

The following information has been obtained from the annual report of the Minister of Mines for British Columbia:—

"The coal production of British Columbia accelerated by fairly regular yearly increases until 1912, when the output was over 3,000,000 tons; since that time the use of coal has not kept pace with the expansion of general industries, but has steadily lost ground. This is due to the steadily increasing amount of power produced from hydro-installations and from the use of fuel-oil.

The effect of fuel-oil competition was first felt in the great reduction in the amount of coal exported from British Columbia to the United States, as shown by the following percentages of total sales: 1910, 46·2 per cent; 1915, 33·4 per cent; 1920, 20 per cent; 1925, 20 per cent; 1926, 16 per cent; 1927, 19·2 per cent; 1928, 15·7 per cent; 1929, 17·3 per cent. This loss of export trade due to the increasing use of fuel-oil in United States was aggravated by the importation of fuel-oil into British Columbia, cutting into the domestic market.

For a number of years this was directly imported as fuel-oil, but with the establishment of refining of crude oil in British Columbia most of the fuel-oil now used is produced from this refining. There is a Dominion import duty of ½ cent a gallon on fuel-oil imported as such, but crude oil imported by the oil-refining companies is not subject to any import duty, with the result that most of the fuel-oil at present displacing British Columbia coal in the home market is duty-free."

Hydro-electric development is steadily increasing in British Columbia and in 1929, 559,792 h.p. were developed by water-power. In addition to this, new installations are nearing completion that will provide a further 149,000 h.p. It is calculated that 1 developed h.p. a year is equivalent to the power value of 6 tons of coal.

The use of pulverized coal was the subject of much study during 1929 and considerable success has marked the efforts to broaden the market for the use of coal in this form.

Explosives used in the coal mining industry during the year amounted to 434,560 pounds of which 85 per cent consisted of Monobel of different grades. Approximately 5·7 tons of coal were raised per pound of explosive used.

Machine-mined coal produced in British Columbia during 1929 amounted to 286,720 tons or 11·5 per cent of the total coal mined. Thirty-eight machines were in use during the year of which 34 were operated by compressed air and 4 by electricity.

Table 124.—Output of Coal from British Columbia Mines, 1836-1929

(Short tons)

Calendar year	Output	Value	Calendar year	Output	Value
		$			$
1836–1866	214,410	765,748	1899	1,431,101	3,833,307
1867	34,988	124,956	1900	1,791,833	4,799,553
1868	49,286	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	1,676,581	4,490,844
1871			1904	1,862,625	4,989,174
1872	166,274	593,836	1905	1,945,452	5,211,030
1873			1906	2,146,262	5,748,915
1874	90,788	243,193	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	2,606,127	8,144,147
1877	156,455	419,076	1910	3,330,745	10,408,580
1878	213,750	572,544	1911	2,542,532	7,945,413
1879	260,277	697,170	1912	3,208,997	10,028,116
1880	305,045	847,086	1913	2,714,420	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	2,584,061	8,075,190
1884	441,130	1,181,598	1917	2,433,888	8,235,716
1885	372,987	999,072	1918	2,568,589	11,494,681
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	539,467	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	1,093,980	2,930,391	*1926	2,613,719	10,612,915
1894	1,112,628	2,980,254	*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	2,688,666	*1929	2,490,378	10,160,789
1897	1,019,390	2,730,510			
1898	1,263,680	3,384,858	**Total**	**90,440,768**	**321,230,248**

* The tonnage shown for 1919–1929 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 125.—Output of Coal from British Columbia Mines, by Months, 1925-1929

(Short tons)

Month	1925	1926	1927	1928	1929
January	235,558	203,800	228,301	256,937	233,706
February	222,544	178,226	223,383	251,461	225,526
March	222,565	205,711	242,874	248,262	214,432
April	217,339	194,813	215,969	214,264	220,641
May	210,289	187,986	212,785	225,458	211,037
June	245,960	255,371	252,809	251,128	210,820
July	217,337	211,879	189,219	199,309	169,489
August	234,945	216,710	211,611	228,565	184,783
September	212,772	222,760	216,962	211,577	198,420
October	246,232	257,540	220,277	243,852	212,934
November	240,622	252,308	248,330	244,984	202,645
December	236,119	226,615	283,723	228,797	204,945
Total	**2,742,252**	**2,613,719**	**2,746,242**	**2,804,594**	**2,490,378**

Table 126.—Output of Coal by Districts in British Columbia, 1925-1929

(Short tons)

District	1925	1926	1927	1928	1929
Crow's Nest Pass	956,079	945,850	1,015,669	1,097,390	962,552
Inland	197,925	211,806	240,726	277,464	273,054
Island	1,588,248	1,456,063	1,489,848	1,429,740	1,254,772
Total	**2,742,252**	**2,613,719**	**2,746,243**	**2,804,594**	**2,490,378**

Table 127.—Output of Coal by Principal Collieries in British Columbia, 1927-1929 (Average of 500 tons or over per month)

(Short tons)

Name	Address	1927	1928	1929
CROW'S NEST PASS DISTRICT—				
Corbin Collieries, Ltd	Corbin	144,981	176,436	157,892
Crow's Nest Pass Coal Co., Ltd	Fernie	870,688	920,954	804,660
Total		1,015,669	1,097,390	962,552
INLAND DISTRICT—				
Blue Flame Colliery (formerly Coalmont Collieries, Ltd.)	Coalmont	170,907	184,594	167,721
Lynden Coal Mines Ltd	Princeton	3,343	20,855	5,530
Middlesboro Collieries, Ltd	Merritt	48,103	50,064	48,578
Pleasant Valley Mining Co., Ltd	Princeton			5,874
Tulameen Coal Mines, Ltd	Princeton	15,800	20,148	41,773
All other operators		2,573	1,863	3,578
Total		240,726	277,464	273,054
ISLAND DISTRICT—				
Canadian Collieries (Dunsmuir) Ltd	Nanaimo	583,674	604,003	469,973
Chambers, R. H. (Little Ash Mine)	Nanaimo		1,716	6,621
East Wellington Coal Co	Belmont House, Victoria	53,149	6,000	
Granby Consolidated Mining, Smelting and Power Co., Ltd	Cassidy	213,530	209,216	191,259
Western Fuel Corporation of Canada, Ltd	Nanaimo	639,495	606,783	578,290
All other operators			2,022	8,629
Total		1,489,848	1,429,740	1,254,772
Total British Columbia		**2,746,243**	**2,804,594**	**2,490,378**

Table 128.—Tonnage Lost in British Columbia Mines, Showing by Districts the Relative Percentages Produced and Lost, with an Analysis of the Percentage Lost, 1928 and 1929

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	1928	87	13	1·1	8·9	2·0	0·1	0·9
	1929	72	28	1·0	23·8	1·4	0·8	1·0
Inland	1928	86	14	0·2	4·5	5·0	0·1	4·2
	1929	84	16	0·2	5·1	8·7	0·0	2·0
Island	1928	89	11	1·1	8·9	2·0	0·1	0·9
	1929	89	11	1·0	9·2	0·0	0·0	0·8
British Columbia	**1928**	**88**	**12**	**1·5**	**8·2**	**1·3**	**0·1**	**0·9**
	1929	**81**	**19**	**0·8**	**15·2**	**1·6**	**0·4**	**1·0**

Table 129.—Disposition of Coal from British Columbia Mines by Grades, 1928 and 1929

(Short tons)

Description	1928					1929				
	Run-of-mine	Screened	Slack	Total		Run-of-mine	Screened	Slack	Total	
				Short tons	Value				Short tons	Value
					$					$
Supplied to employees for domestic consumption	930	21,436	2	22,368	74,198	1,141	20,918	.....	22,059	73,469
Shipped as per Table 130	802,577	998,099	541,264	2,341,940	10,854,487	662,930	1,030,204	385,684	2,078,818	9,146,007
Used under colliery boilers, etc	58,793	24,132	112,117	195,042	632,655	35,679	78,668	33,288	147,635	469,707
Used by companies' railroads	3,388	10,965	4	14,357	58,852	3,848	9,839	30	13,717	56,402
Used in making coke at colliery	.....	.....	103,719	103,719	368,294	.....	.....	115,482	115,482	489,960
Put on bank	12,817	32,112	8,501	53,430	227,852	5,658	38,203	23,082	66,943	238,568
Put on waste heap	.....	.....	.....	157,208	.....	.....	.....	.....	109,373	.....
Total disposition	878,505	1,086,744	765,607	2,888,064	11,416,248	709,256	1,177,832	557,566	2,554,027	10,394,113
Lifted from bank	10,866	37,073	35,531	83,470	321,885	18,285	41,440	3,924	63,649	233,324
Total output	867,639	1,049,671	730,076	2,804,594	11,094,353	690,971	1,136,392	553,642	2,490,378	10,160,789

Table 130.—Shipments of Coal from British Columbia Mines by Grades and Destinations, 1928 and 1929

(Short tons)

Destination	1928				1929			
	Run-of-mine	Screened	Slack	Total	Run-of-mine	Screened	Slack	Total
British Columbia	58,078	521,615	270,711	850,404	37,753	604,389	140,170	782,312
Alberta	19,419	700	35,978	56,097	13,825	692	33,409	47,926
Saskatchewan	17,275	2,116	33,034	52,425	17,818	1,662	43,364	62,844
Manitoba	1,764	352	1,431	3,547	936	184	35	1,155
United States	10,933	110,982	17,694	139,609	14,194	91,238	16,562	121,994
Alaska	.....	.....	.....	.....	.....	23,891	.....	23,891
Railroads	695,108	144,530	172,910	1,012,548	578,404	201,036	152,144	931,584
Bunker	.....	217,804	9,506	227,310	.....	107,112	.....	107,112
Total	802,577	998,099	541,264	2,341,940	662,930	1,030,204	385,684	2,078,818

Table 131.—Exports of Canadian Coal through British Columbia Ports, 1925-1929

(Short tons)

Port	1925	1926	1927	1928	1929
Abbotsford	223	75	641	2,019	367
Cranbrook	62,675	60,829	71,496	66,650	65,697
Fernie	246,490	190,689	262,496	244,557	235,186
Grand Forks	179	11	1	.....	10
Nanaimo	196,577	178,682	178,765	165,341	155,130
Nelson	.....	.....	.....	.....	.....
New Westminster	177	125	373	342	451
Penticton	1,014	185	308	1,210	1,292
Prince Rupert	208	97	198	367	103
Rossland	.....	.....	.....	.....	.....
Vancouver	.....	.....	100	47	54
Victoria	.....	378	762	.....	.....
Total	**507,543**	**431,071**	**515,140**	**480,533**	**458,290**

Table 132.—Imports into British Columbia of Anthracite and Bituminous Coal by Grades and Ports of Entry, 1928 and 1929

(Short tons)

Port	Source	1928					1929				
		Anthracite		Lignite	Bituminous, all grades	Total	Anthracite		Lignite	Bituminous, all grades	Total
		Egg, nut, etc.	Dust				Egg, nut, etc.	Dust			
Abbotsford	U.S.	.....	.....	.....	2	2	.....	.....	.....	81	81
Cranbrook	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Fernie	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Grand Forks	U.S.	.....	.....	71	33	104	.....	.....	107	32	139
Greenwood	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Nanaimo	U.S.	.....	.....	.....	.....	.....	.....	.....	70	.....	70
Nelson	U.S.	21	.....	515	209	745	.....	.....	586	319	905
New Westminster	U.S.	.....	.....	1,011	442	1,453	.....	.....	1,085	252	1,337
Penticton	U.S.	.....	.....	.....	30	30	.....	.....	.....	.....	.....
Prince Rupert	U.S.	.....	.....	.....	12,548	12,548	.....	1	.....	14,804	14,805
Revelstoke	U.S.	.....	.....	.....	96	96	.....	.....	.....	63	63
Rossland	Japan	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Vancouver	U.S.	.....	.....	8,772	3,751	12,523	484	.....	10,323	2,483	13,290
	G.B.	2,220	.....	.....	1,122	3,342	.....	.....	.....	.....	.....
	Japan	.....	.....	.....	.....	.....	112	.....	.....	.....	112
Victoria	U.S.	.....	.....	351	399	750	.....	.....	.....	330	330
	G.B.	.....	.....	.....	10	10	.....	.....	.....	95	95
Total	**U.S.**	**21**	.....	**10,720**	**17,510**	**28,251**	**484**	**1**	**12,171**	**18,364**	**31,020**
	G.B.	**2,220**	.....	.....	**1,132**	**3,352**	.....	.....	.....	**95**	**95**
	Japan	.....	.....	.....	.....	.....	**112**	.....	.....	.....	**112**
Grand total	.....	**2,241**	.....	**10,720**	**18,642**	**31,603**	**596**	**1**	**12,171**	**18,459**	**31,227**

Table 133.—Summary Statistics for 1929-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 Great Britain	Coal available for consumption
	Output	Received from other provinces	Shipped to other provinces	Exported			
January—							
Bituminous	233,706	5,174	9,078	29,038	1,231	.....	201,995
Sub-bituminous	.....	7,411	.....	.....	.....	.....	7,411
Lignite	.....	18,058	.....	4,645	1,680	.....	15,093
Total	233,706	30,643	9,078	33,683	2,911	.....	224,499
February—							
Bituminous	225,926	6,340	7,543	51,310	717	.....	174,130
Sub-bituminous	.....	8,600	.....	.....	.....	.....	8,600
Lignite	.....	18,908	.....	4,365	2,747	.....	17,290
Total	225,926	33,848	7,543	55,675	3,464	.....	200,020
March—							
Bituminous	214,432	5,740	6,804	47,658	902	.....	166,612
Sub-bituminous	.....	2,380	.....	.....	.....	.....	2,380
Lignite	.....	5,177	.....	1,062	1,258	.....	5,373
Total	214,432	13,297	6,804	48,720	2,160	.....	174,365
April—							
Anthracite	.....	.....	.....	.....	484	.....	484
Bituminous	220,641	3,582	8,289	23,099	607	.....	193,442
Sub-bituminous	.....	1,977	.....	.....	.....	.....	1,977
Lignite	.....	4,769	.....	195	1,030	.....	5,604
Total	220,641	10,328	8,289	23,294	2,121	.....	201,507
May—							
Bituminous	211,637	3,975	8,438	38,341	4,052	.....	172,885
Sub-bituminous	.....	1,381	.....	.....	.....	.....	1,381
Lignite	.....	1,832	.....	46	571	.....	2,357
Total	211,637	7,188	8,438	38,387	4,623	.....	176,623
June—							
Anthracite	.....	.....	.....	.....	.....	.....	.....
Bituminous	210,820	4,987	7,471	32,045	1,276	95	177,662
Sub-bituminous	.....	1,251	.....	.....	.....	.....	1,251
Lignite	.....	2,532	.....	123	252	.....	2,661
Total	210,820	8,770	7,471	32,168	1,528	95	181,574
July—							
Anthracite	.....	.....	.....	.....	1	.....	1
Bituminous	169,489	3,304	7,568	18,146	1,142	.....	148,221
Sub-bituminous	.....	1,852	.....	.....	.....	.....	1,852
Lignite	.....	3,288	.....	126	38	.....	3,200
Total	169,489	8,444	7,568	18,272	1,181	.....	153,274
August—							
Bituminous	184,783	3,331	11,171	43,417	2,354	.....	135,880
Sub-bituminous	.....	3,254	.....	.....	.....	.....	3,254
Lignite	.....	7,628	.....	222	414	.....	7,820
Total	184,783	14,213	11,171	43,639	2,768	.....	146,954
September—							
Bituminous	198,420	2,407	12,134	31,590	1,121	.....	158,224
Sub-bituminous	.....	4,067	.....	.....	.....	.....	4,067
Lignite	.....	14,252	.....	787	822	.....	14,287
Total	198,420	20,726	12,134	32,377	1,943	.....	176,578
October—							
Anthracite	.....	.....	.....	.....	.....	*112	112
Bituminous	212,934	4,077	13,260	54,859	2,128	.....	151,020
Sub-bituminous	.....	5,764	.....	.....	.....	.....	5,764
Lignite	.....	16,714	.....	2,264	1,520	.....	15,970
Total	212,934	26,555	13,260	57,123	3,648	112	172,866

Table 133.—Summary Statistics for 1929-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 Great Britain	Coal available for consumption
	Output	Received from other provinces	Shipped to other provinces	Exported			
November—							
Bituminous	202,645	4,831	9,922	35,672	713	.....	162,595
Sub-bituminous	.....	7,567	.....	.....	.....	.....	7,567
Lignite	.....	22,342	.....	2,407	1,720	.....	21,655
Total	202,645	34,740	9,922	38,079	2,433	.....	191,817
December—							
Anthracite	.....	.....	.....	.....	.....	.....	.....
Bituminous	204,945	4,054	10,247	33,111	2,121	.....	168,362
Sub-bituminous	.....	8,177	.....	.....	.....	.....	8,177
Lignite	.....	20,207	.....	3,762	119	.....	16,564
Total	204,945	33,038	10,247	36,873	2,240	.....	193,103
Total—							
Anthracite	.....	.....	.....	.....	485	*112	597
Bituminous	2,490,378	52,402	111,925	438,286	18,364	95	2,011,028
Sub-bituminous	.....	53,681	.....	.....	.....	.....	53,681
Lignite	.....	135,707	.....	20,004	12,171	.....	127,874
Total	2,490,378	241,790	111,925	458,290	31,020	207	2,183,180

*Imported from Japan.

Table 134.—Employees, Salaries and Wages in the Coal Mines of British Columbia by Districts, 1928 and 1929

District	Average number of employees					Salaries and wages		
	Salaried employees		Wage-earners		Total			
	Male	Female	Surface	Underground		Salaries	Wages	Total
1928						$	$	$
Crow's Nest Pass	91	5	520	1,133	1,749	268,014	2,483,451	2,751,465
Inland	26	2	186	355	569	64,454	739,667	804,121
Island	140	10	867	1,982	2,999	328,802	3,705,765	4,034,567
British Columbia	257	17	1,573	3,470	5,317	661,270	6,928,883	7,590,153
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	1,285	3,406	5,068	634,202	6,094,389	6,728,591

Table 135.—Employment and Earnings in the Coal Mines of British Columbia, 1925-1929

—	1925	1926	1927	1928	1929
Average number of wage-earners—					
Surface	1,623	1,660	1,579	1,573	1,385
Underground	3,713	3,435	3,459	3,470	3,406
Total	**5,336**	**5,095**	**5,038**	**5,043**	**4,791**
Days' work done—					
Surface	479,062	474,879	483,705	480,633	395,045
Underground	964,275	857,889	916,042	934,476	842,584
Total	**1,443,337**	**1,332,768**	**1,399,747**	**1,415,109**	**1,237,629**
Average number of days worked per man per year—					
Surface	295	286	306	306	285
Underground	260	249	264	269	247
By all wage-earners	**271**	**261**	**278**	**281**	**258**
Total wages paid	**$7,199,205**	**$6,544,118**	**$5,910,810**	**$6,028,883**	**$6,094,389**
Average wage earned per man per day	**$4·99**	**$4·91**	**$4·94**	**$4·89**	**$4·92**

Table 136.—Wage-Earners Employed, and Work Done by Months in the Coal Mines of British Columbia in 1929

Month	Number of wage-earners			Days' work done		
	Surface	Underground	Total	Surface	Underground	Total
January	1,431	3,564	**4,995**	33,063	70,356	**103,419**
February	1,406	3,547	**4,953**	33,889	75,807	**109,696**
March	1,441	3,664	**5,105**	33,767	73,188	**106,955**
April	1,408	3,538	**4,946**	33,340	71,713	**105,053**
May	1,265	3,100	**4,365**	32,937	70,322	**103,259**
June	1,221	3,064	**4,285**	33,904	72,461	**106,365**
July	1,267	3,103	**4,370**	28,590	59,169	**87,759**
August	1,320	3,125	**4,445**	31,407	64,553	**95,960**
September	1,445	3,426	**4,871**	32,337	66,145	**98,482**
October	1,493	3,548	**5,041**	35,463	75,874	**111,337**
November	1,462	3,585	**5,047**	32,736	69,004	**101,740**
December	1,456	3,611	**5,067**	33,612	73,992	**107,604**
Total	.....	.....	.....	**395,045**	**842,584**	**1,237,629**

Table 137.—Number of Man-Days Worked by Districts in British Columbia, 1928 and 1929

District	1928			1929		
	Surface	Underground	Total	Surface	Underground	Total
Crow's Nest Pass	145,929	304,960	**450,889**	97,212	266,279	**363,491**
Inland	58,699	91,674	**150,373**	58,495	93,292	**151,787**
Island	276,005	537,842	**813,847**	239,338	483,013	**722,351**
Total	**480,633**	**934,476**	**1,415,109**	**395,045**	**842,584**	**1,237,629**

Table 138.—Wage-Earners in British Columbia Coal Mines, by Classes, 1928 and 1929

Classification	1928			1929		
	Surface	Underground	Total	Surface	Underground	Total
SURFACE—						
Administration	26	2	28	25	2	27
Foremen and clerks	126	.....	126	109	1	110
Screenmen and loaders	174	2	176	175	.....	175
UNDERGROUND—						
Officials	.....	156	156	1	148	149
Hand cutters and helpers	.....	1,583	1,583	2	1,432	1,434
Machine cutters	.....	62	62	.....	81	81
Machine loaders and helpers	.....	132	132	.....	170	170
Horse haulage employees	5	388	393	7	381	388
Mechanical haulage employees	12	332	344	12	326	338
Ventilation employees	.....	46	46	1	38	39
Roadmakers	1	84	85	2	81	83
Timbermen	11	178	189	12	184	196
Pumpmen	1	37	38	1	31	32
MISCELLANEOUS—						
Enginemen	83	.....	83	76	.....	76
Firemen	64	.....	64	57	1	58
Machinists	69	2	71	62	6	68
Carpenters and masons	83	.....	83	90	.....	90
Other mechanics	123	7	130	108	9	117
All other white employees	545	265	810	424	330	754
Japanese	1	53	54	1	52	53
Chinese	249	140	389	220	121	341
Indians	.....	1	1	.....	12	12
Total	**1,573**	**3,470**	**5,043**	**1,385**	**3,406**	**4,791**

Table 139.—Capital Employed in the Coal Mines of British Columbia, 1928 and 1929

—	1928	1929
	$	$
Capital employed as represented by—		
Cost of lands, buildings, machinery and tools	24,593,123	21,262,840
Cost of supplies and stock on hand	703,161	663,795
Cash, trading and operating accounts and bills receivable	2,134,586	2,105,100
Total	**27,430,870**	**24,031,735**

CHAPTER ELEVEN

YUKON

Coal output in the Yukon Territory during 1929 amounted to 458 tons. This production was obtained from a mine near Carmacks. The whole of the Yukon coal output was consumed locally. Imports in 1929 were negligible consisting of only 67 tons from the United States.

Table 140.—Output of Coal from Yukon Mines, 1901-1929

(Short tons)

Calendar year	Short tons	Value	Calendar year	Short tons	Value
		$			$
1901	(a)5,864	86,230	1916	3,300	13,200
1902	4,910	37,280	1917	4,872	†29,232
1903	1,849	29,584	1918	2,900	11,600
1904	.....	.....	*1919	.....	.....
1905	7,000	21,000	*1920	.....	.....
1906	7,000	28,000	*1921	233	2,472
1907	15,000	60,000	*1922	465	4,650
1908	3,847	21,158	*1923	313	1,485
1909	7,364	49,502	*1924	1,121	8,265
1910	16,185	110,925	*1925	730	7,147
1911	2,840	12,780	*1926	316	800
1912	9,245	44,958	*1927	414	2,052
1913	19,722	95,945	*1928	414	2,915
1914	13,443	53,760	*1929	458	1,848
1915	9,724	38,896			
			Total	**139,529**	**775,684**

(a) Part of this production was mined in 1900.
†Value not reported, but estimated.
*For the years 1919-1929 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 141.—Disposition of Coal Output from Yukon Mines by Grades, 1928 and 1929

(Short tons)

Disposition	1928					1929				
	Run of mine	Screened	Slack	Total		Run of mine	Screened	Slack	Total	
				Quantity	Value				Quantity	Value
					$					$
Supplied to employees for domestic consumption	.....	.....	.....	.....	.....	.....	13	.....	13	65
Shipped (all to Yukon points)	.....	289	.....	289	2,890	.....	221	.....	221	1,768
Used under colliery boilers, etc.	.....	.....	5	5	25	.....	.....	3	3	15
Put on waste heap	.....	.....	.....	120	.....	.....	.....	.....	221	.....
Total disposition	.....	289	5	414	2,915	.....	234	3	458	1,848

Table 142.—Imports of Coal into Yukon and Exports of Canadian Coal through Yukon Ports, 1925-1929

(Short tons)

—	1925	1926	1927	1928	1929
IMPORTS—					
Dawson	.....	.....	.....	.....	.....
White Horse	4	10	8	40	67
Total	4	10	8	40	67
EXPORTS—					
Dawson	.....	.....	1	.....	.....
White Horse	.....	.....	.....	.....	.....
Total	.....	.....	1	.....	.....

Table 143.—Summary Statistics for 1929-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		
February—						
Bituminous	.....	.....	.....	.....	11	11
March—						
Bituminous	.....	.....	.....	.....	.....	.....
April—						
Bituminous	.....	.....	.....	.....	.....	.....
May—						
Bituminous	.....	.....	.....	.....	.....	.....
June—						
Bituminous	114	.....	.....	.....	.....	114
July—						
Bituminous	114	.....	.....	.....	50	164
August—						
Bituminous	115	.....	.....	.....	6	121
September—						
Bituminous	115	.....	.....	.....	.....	115
October—						
Bituminous	.....	.....	.....	.....	.....	.....
Total—						
Bituminous	**458**	.....	.....	.....	**67**	**525**

Table 144.—Employment and Earnings in the Coal Mines of Yukon, 1925-1929

—	1925	1926	1927	1928	1929
Average number of wage-earners—					
Surface	1	1	1	1	1
Underground	3	1	2	3	2
Total	**4**	**2**	**3**	**4**	**3**
Days' work done—					
Surface	108	56	10	85	102
Underground	323	56	154	255	204
Total	**431**	**112**	**164**	**340**	**306**
Average number of days worked per man per year—					
Surface	108	56	10	85	102
Underground	108	56	77	85	102
By all wage-earners	**108**	**56**	**77**	**85**	**102**
Total wages paid	**$ 3,022**	**$ 600**	**$ 1,500**	**$ 1,280**	**$ 1,200**
Average wage earned per man per day	**$ 7·01**	**$ 5·35**	**$ 9·15**	**$ 3·77**	**$ 3·92**

Table 145.—Wage-Earners Employed and Work Done by Months in the Yukon Coal Mines in 1929

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	27	54	81
September	1	2	3	24	48	72
Total				**102**	**204**	**306**

Table 146.—Capital Employed in the Coal Mines of Yukon, 1928 and 1929

—	1928	1929
	$	$
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 1929 at 1,515,390,000 long tons; approximately 6 per cent above the 1928 total. Lignite coal production increased 5·5 per cent in 1929 and accounted for 15 per cent of the world total. Anthracite and bituminous coal output was up 6·3 per cent.

Great Britain's output was appreciably higher in 1929, amounting to 260,632,000 long tons as compared with 237,471,000 long tons produced in 1928. The United States production increased 5·71 per cent in 1929. An advance was recorded in coal shipments from mines in France; the output from the French controlled mines of the Saar area also increased considerably in 1929. Continuing the advance shown in 1928, the current year's output from mines in Germany increased 6·78 per cent. Bituminous and brown coal production in Czechoslovakia and bituminous coal output in Poland showed advances in 1929. Belgium coal production was slightly lower than in 1928. The output from Canadian coal mines was approximately the same as in the preceding year.

Table 147.—World Production of Coal* 1925-1929

(Including brown coal)

(Long tons)

Country	1925	1926	1927	1928	1929
BRITISH EMPIRE					
Great Britain—					
Anthracite	6,126,389	2,876,655	6,316,890	5,521,570	260,632,694
Bituminous (a)	237,049,842	123,401,866	244,885,446	231,950,361	
Nigeria (b)	238,966	324,575	357,899	640	
Southern Rhodesia	678,320	860,338	894,396	359,316	†
Union of South Africa	12,127,188	12,745,492	12,381,692	1,077,557	1,020,418
Canada—				12,407,539	11,810,875
Anthracite	.....	.....	.....	.....	.....
Bituminous	7,981,792	11,065,249	11,613,389	11,580,241	11,481,984
Sub-bituminous	509,513	437,264	532,281	661,157	597,055
Lignite	3,236,345	3,210,104	3,414,027	3,432,078	3,542,887
British Borneo—					
British North Borneo	79,941	71,434	62,701	60,779	†
Brunei	.....	.....	.....	(f)	(f)
Sarawak	19,678	19,683	(f)	556,590	†
Federated Malay States	408,084	464,284	463,001		
India—					
Gondwana Coalfields	20,447,898	20,583,202	22,082,336	22,153,314	22,144,500
Tertiary Coalfields	456,479	415,965		389,558	
Australia—					
Bituminous	13,626,777	13,250,000	13,522,960	11,839,780	†
Lignite	876,468	957,935	1,455,482	1,591,858	†
New Zealand—					
Bituminous	1,044,726	1,196,388	2,366,740	1,348,732	†
Brown coal	911,425	905,825		973,238	†
Lignite	158,844	137,786		114,783	†
Total	306,000,000	193,000,000	320,000,000	306,000,000	.....
FOREIGN COUNTRIES					
Austria—					
Bituminous	142,907	154,824	172,828	198,906	.....
Brown coal	2,985,470	2,911,015	3,015,675	3,211,042	.....
Belgium—					
Anthracite and semi-anthracite	4,769,356	5,247,611	27,115,831	27,107,780	26,505,943
Bituminous	17,902,898	19,613,048			
Bulgaria—					
Bituminous	71,827	1,186,713	1,218,099	1,183	.....
Brown coal	1,131,353			67,255	.....
Czechoslovakia—				1,339,298	.....
Bituminous	12,360,640	13,953,092	13,794,032	14,330,345	16,486,013
Brown coal	18,310,843	18,223,237	19,310,756	20,128,419	22,198,840
France—					
Saar	12,784,692	13,464,803	13,391,097	12,899,716	13,328,036
Other districts—					
Anthracite and bituminous	46,353,460	50,579,835	50,960,760	50,554,526	53,009,012
Lignite	977,663	1,044,363	1,050,434	1,046,891	1,175,135
Germany—					
Bituminous	130,527,542	143,000,979	151,173,466	148,492,939	160,854,750
Brown coal	137,517,857	136,952,867	148,126,913	163,598,878	172,410,121
Greece—					
Brown coal	139,832	150,899	141,082	118,734	†

Table 147.—World Production of Coal* 1925-1929—Concluded

(Including brown coal)

(Long tons)

Country	1925	1926	1927	1928	1929
Hungary—					
Bituminous	776,943	813,846	773,447	770,908	851,923
Brown coal	5,417,385	5,561,158	5,983,940	6,240,930	6,893,041
Lignite	.....	169,185	160,839	164,838	
Italy—					
Anthracite	14,076	15,460	16,573	10,676	†
Bituminous	171,468	190,495	149,293	115,590	†
Brown coal	1,088,015	1,162,684	898,047	686,024	†
Jugoslavia—					
Bituminous	175,638	187,800	283,184	351,826	†
Brown coal	2,951,589	2,965,800	3,433,470	3,608,130	†
Lignite	959,027	921,754	954,580	1,012,136	†
Netherlands—					
Bituminous	6,740,404	8,471,616	9,175,868	10,747,587	11,429,221
Brown coal	204,341	207,858	198,201	193,589	.....
Poland—					
Bituminous	28,622,028	35,182,768	37,482,601	39,974,905	45,470,040
Brown coal	64,638	74,825	77,225	72,398	56,099
Portugal—					
Anthracite	133,306	197,353	201,127	(f)	(f)
Brown coal	17,716	34,306			
Rumania—					
Anthracite	.....	.....	.....	.....	.....
Bituminous	308,620	317,102	367,559	391,285	†
Brown coal	2,573,973	2,688,224	2,804,999	2,588,144	†
Russia—					
Anthracite	3,292,173	5,279,743			
Bituminous—					
European	9,850,930	15,009,393	32,026,639	34,657,125	33,840,733
Asiatic	1,603,818	2,830,323			
Brown coal	1,492,943	2,256,761			
Spain—					
Anthracite	311,047	396,494	423,103	406,906	6,893,266
Bituminous	5,709,680	6,036,364	6,036,175	5,683,532	
Brown coal	396,330	393,515	422,817	352,848	395,693
Spitzbergen	406,768	(e) 286,531	308,000	(f)	†
Sweden	259,711	377,613	392,007	352,851	†
Algeria	9,879	13,514	20,932	16,368	†
Belgian Congo	80,000	88,800	86,000	88,000	†
Tunis (brown coal)	.....	.....	.....	(f)	†
Greenland	2,500	1,500	2,900	2,500	†
Mexico	1,421,684	1,288,462	1,015,020	999,787	†
United States—					
Anthracite	55,193,883	75,390,582	71,513,896	67,275,062	68,427,489
Bituminous (c)	464,332,804	511,934,807	462,288,707	447,093,723	475,308,564
Brazil	386,070	400,000	231,294	246,327	†
Chile	1,430,277	1,466,968	1,458,113	(f)	†
Peru	100,142	168,063	159,806	(f)	.....
Venezuela	24,528	15,676	15,850	(f)	.....
China (d)	21,000,000	22,000,000	18,000,000	(f)	†
Dutch East Indies	1,378,602	1,443,200	1,591,616	(f)	†
Formosa	1,677,659	1,766,169	1,772,005	1,513,000	†
French Indo-China—					
Anthracite	1,288,888	1,226,943	1,422,083	1,883,409	†
Bituminous	46,907	37,428	38,041	39,826	†
Brown coal	5,648	5,510	7,038	15,228	†
Japan—					
Semi-Anthracite	88,458	128,322	33,001,037	33,325,406	35,431,200
Bituminous	30,874,100	30,801,888			
Brown coal	166,750	158,589	175,792	145,397	†
Karafuto	246,657	271,463	351,407	(f)	
Korea	614,379	672,111	723,000	(f)	.....
Kwantung Peninsula	(f)	.....	.....	.....	.....
Philippine Islands	47,183	47,012	23,010	(f)	.....
Turkey in Asia (g)	733,235	1,215,095	892,310	(g)917,924	†
New Caledonia	1,300	15,000	†	(f)	(f)
Total	1,040,000,000	1,150,000,000	1,130,000,000	1,120,000,000	.....
Total	**1,350,000,000**	**1,343,000,000**	**1,459,000,000**	**1,430,000,000**	**1,515,390,000**

* Data for 1925-28 obtained from *The Mineral Industry of the British Empire and Foreign Countries*; data for 1929 from a preliminary report on coal issued by the *United States Bureau of Mines*, Washington, D.C.

† Estimate of production included in total.

(a) Including a small quantity of anthracite mined in the Fife and Clackmannan district.

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

(c) Including brown coal.

(d) Approximate production.

(e) Exports.

(f) Information not available.

(g) Héraclée-Zoungouldak coal basin.

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APPENDIX ONE

LEGISLATION PROVIDING FOR TEST MOVEMENTS OF CANADIAN COAL TO DETERMINE TRANSPORTATION COSTS

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 interest 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.