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

COAL STATISTICS FOR CANADA

FOR THE CALENDAR YEAR

1937

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1939

NOTES ON STATISTICS OF PRODUCTION

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

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

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

Manufactures of—

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

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

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

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

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

(6) **Manufactures of the Non-Ferrous Metals,** including—Aluminium Products; Brass and Copper Products; Lead, Tin and Zinc Products; Jewellery and Silverware; Electrical Apparatus and Supplies; Non-Ferrous Smelting and Refining; Miscellaneous Non-Ferrous Metal Products.

(7) **Manufactures of the Non-Metallic Minerals,** including—Asbestos Products—Cement—Cement Products—Coke and Gas—Glass (blown, cut, ornamental, etc.)—Lime—Petroleum Products—Products from Domestic Clays—Products from Imported Clays—Salt—Sand-Lime Brick—Dressed Stone—Artificial Abrasives and Abrasive Products—Miscellaneous Non-Metallic Mineral Products including (a) Artificial Graphite and Electrodes (b) Gypsum Products (c) Mica Products (d) Magnesite Products (e) Miscellaneous Non-Metallic Mineral Products, n.e.s.

(8) **Chemicals and Allied Products,** including—Coal Tar Distillation; Acids, Alkalies, and Salts—Compressed Gases; Medicinal and Pharmaceutical Preparations; Paints, Pigments and Varnishes; Soaps and Washing Compounds—Toilet Preparations; Inks; Adhesives; Polishes and Dressings; Hardwood Distillation; Miscellaneous Chemical Products, including, (a) Boiler Compounds, (b) Cellulose Products; (c) Insecticides; (d) Sweeping Compounds, (e) Disinfectants; (f) Matches; (g) Dyes and Colours; (h) Explosives, Ammunition and Fireworks; (i) Chemical Products, n.e.s.

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

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

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

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

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

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

(5) **House Furnishings.**

(6) **Books and Stationery.**

(7) **Vehicles and Vessels.**

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

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

(10) **Miscellaneous.**

PREFACE

The Canadian coal production in 1937 was 4 per cent greater than in the preceding year; the totals were 15,835,954 tons and 15,229,182 tons, respectively. A nine per cent increase in Nova Scotia's output together with production gains in Saskatchewan and British Columbia accounted for the advance in 1937.

Canadian coal exported during the year declined approximately 14 per cent to 355,268 tons. Clearances through Eastern Canada ports were 26·3 per cent lower at 204,411 tons in 1937; on the other hand, exports through Western Canada ports increased 12·3 per cent to 150,857 tons.

Imports of coal into Canada advanced to 16,023,147 tons in 1937 from the preceding year's total of 13,735,166 tons. The Canadian market for anthracite coal drew upon the following sources for its supply in 1937, in the following proportions—the United States, 55·8 per cent; Great Britain, 31·8 per cent; Germany, 7·7 per cent; Russia, 4·5 per cent, and Belgium and Morocco, the remainder. The United States supplied 99·1 per cent of the bituminous coal importations in 1937; of the remainder, Great Britain contributed 56,073 tons; Germany, 54,061 tons, and Norway and Esthonia, 313 tons.

Research work on coal preparation, storage properties and general characteristics of Canadian coals was continued by the Dominion Department of Mines and Resources with a view to increasing the use of these coals in Canadian plants. Continued assistance to coal operators in the form of a subvention paid by the Dominion Government was responsible for the movement of 2,637,000 tons of Canadian coal during 1937.

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

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

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

R. H. COATS,
Dominion Statistician.

DOMINION BUREAU OF STATISTICS,
OTTAWA, March 9, 1939.

STATISTICS ON COAL AS COMPILED IN THE DOMINION BUREAU OF STATISTICS

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

(1) Coal Mine Statistics

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

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

(2) Imports and Exports

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

(3) Publications of the Bureau on Coal

The Bureau issues the following reports:

(1) A condensed report on production, imports and exports of coal and coke is issued monthly, publication being made about the twentieth of the next following month.

(2) A more general review is published quarterly, showing statistics for each month, for the quarter, and for the year to date on the output by coal-mining districts and by provinces, imports and exports by ports and by kinds of coal, employment in coal-mining, and tonnage lost. There is also a section on coke showing production, imports, exports, distribution and consumption by months and by provincial groups.

(3) A preliminary annual report on production, imports and exports; an annual report on production, imports, distribution, labour, capital, etc.

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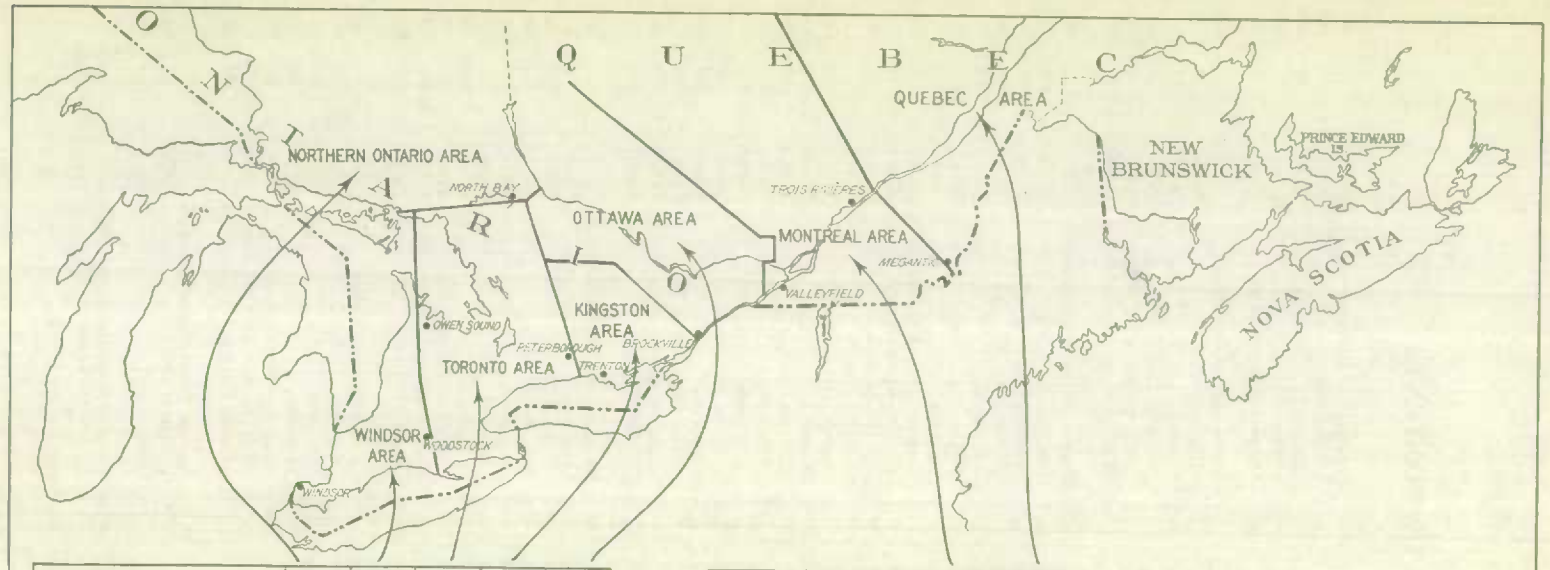

		N. ONTARIO	WINDSOR	TORONTO	KINGSTON	OTTAWA
ANTHRACITE						
GREAT BRITAIN	Imported direct	34	340	26,163	23	47
	Received ex-Montreal	* 29,050	524	215,242	28,633	* 125,361
GERMANY	Imported direct	–	73	–	–	–
	Received ex-Montreal	–	–	12,761	–	–
RUSSIA	Received ex-Montreal	2,665	–	14,558	600	461
UNITED STATES	Imported direct	40,841	188,446	1,236,491	53,183	89,633
	TOTAL	72,590	189,383	1,505,215	82,639	215,502
BITUMINOUS						
GREAT BRITAIN	Imported direct	–	–	–	–	52
GERMANY	Imported direct	–	–	8,724	–	–
UNITED STATES		2,418,161	2,169,704	5,492,820	230,469	477,906
NOVA SCOTIA	Received ex-mines			106,809		
	Received ex-Montreal	391,824	44,229	307,929	96,227	† 343,317
NEW BRUNSWICK	Received ex-mines	–	62	–	–	9,998

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

	From BRITISH COLUMBIA	From ALBERTA	From SASKATCHEWAN
BITUMINOUS	20,741	9,078	–
SUB-BITUMINOUS	–	18,367	–
LIGNITE	–	35,811	9,224

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

	MONTREAL	QUEBEC
ANTHRACITE		
GREAT BRITAIN	* † 497,798	† 109,795
GERMANY	† 185,933	42,606
RUSSIA	† 134,287	8,318
BELGIUM	8,131	–
MOROCCO	78	–
UNITED STATES	328,092	22,081
TOTAL	1,164,319	183,000
BITUMINOUS		
GREAT BRITAIN	3,000	731
UNITED STATES	994,760	364,590
GERMANY	38,382	–
NORWAY AND ESTHONIA	313	–
NOVA SCOTIA	† 2,152,400	
NEW BRUNSWICK	† 32,395	

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

RECEIPTS OF COAL IN ONTARIO AND QUEBEC BY AREAS 1937

(Short Tons)

Scale of Miles

50 0 50 100 150 200

DOMINION BUREAU OF STATISTICS

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

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

COAL STATISTICS FOR CANADA

FOR THE CALENDAR YEAR 1937

CHAPTER ONE

CANADA

Coal production in Canada during 1937 was the highest on record since 1929. The output during the year totalled 15,835,954 tons worth $48,752,048 compared with 15,229,182 tons at $45,791,934 in 1936 and 17,496,557 tons at $63,065,170 in 1929. The 1937 production consisted of 11,634,379 tons of bituminous coal, 506,260 tons of sub-bituminous coal, and 3,695,315 tons of lignite coal.

Nova Scotia's output rose 9·1 per cent in 1937 to 7,256,954 tons. New Brunswick mines produced 364,714 tons compared with 368,618 tons in 1936. Manitoba operators reported an output of 3,172 tons; a year ago, 4,029 tons were produced. An increase of 2·8 per cent was recorded in Saskatchewan's production in 1937 when 1,049,348 tons were mined as against 1,020,792 tons in the preceding year. During 1937, Alberta produced 5,562,839 tons made up of 2,413,784 tons of bituminous coal, 506,260 tons of sub-bituminous coal, and 2,642,795 tons of lignite coal. In 1936, Alberta's output included 2,288,734 tons of bituminous coal, 566,235 tons of sub-bituminous coal, and 2,841,991 tons of lignite coal. A 7·4 per cent advance was shown in British Columbia's output in 1937 compared with the preceding year; the totals were 1,598,843 tons and 1,489,171 tons, respectively. The Yukon production declined to 84 tons from the 1936 total of 510 tons.

Canada exported 355,268 tons of coal in 1937 or 13·7 per cent below the 1936 total of 411,574 tons. Exports through Prince Edward Island, Nova Scotia, New Brunswick, Quebec, and Central Ontario ports totalled 204,411 tons and through Manitoba, Saskatchewan, Alberta and British Columbia ports, 150,857 tons. From April 1, 1937, Canadian coal sold for bunkerage purposes was not included in the export totals.

Imports of coal into Canada in 1937 advanced to 16,023,147 tons from the 1936 total of 13,735,166 tons. Receipts of anthracite coal during the year under review aggregated 3,572,268 tons and included 1,994,619 tons from the United States, 1,134,855 tons from Great Britain, 273,696 tons from Germany, 160,889 tons from Russia, 8,131 tons from Belgium, and 78 tons from Morocco. In 1937, Great Britain supplied 31·8 per cent of the Canadian anthracite requirements; 37·8 per cent in the preceding year; 42·1 per cent in 1935, and 46·5 per cent in 1934. The United States accounted for 55·8 per cent of the anthracite imports during the year under review, 47·8 per cent a year ago, 48·4 per cent in 1935, and 51·0 per cent in 1934. An increase of 22 per cent was recorded in bituminous coal importations when 12,449,385 tons were brought into Canada. These imports consisted of 99·1 per cent from the United States, 0·5 per cent from Great Britain, 0·4 per cent from Germany, and the remainder from Esthonia and Norway. The United States supplied the Canadian market with 1,494 tons of lignite coal in 1937.

The Canadian coal mining industry furnished employment, on the average, to 25,890 wage-earners in 1937 compared with 25,597 in 1936. Nova Scotia and New Brunswick mines employed 14,318 men and the western mines, 11,572 men. Surface employees averaged 259 days work during the year and underground workers, 229 days. There were, in addition to these men, 1,312 salaried employees on the mine pay-rolls. All employees working in or about the Canadian coal mines in 1937 were paid $31,641,679 compared with $28,873,135 in 1936.

Coal made available for consumption in Canada during 1937 amounted to 31,503,833 tons or 10·3 per cent above the preceding year's total of 28,552,774 tons.

Canada consumes, in addition to coal, large quantities of coke, natural and artificial gas, fuel oil, wood and electricity for industrial and domestic purposes. In 1937, the Canadian coke supply was computed at 2,951,059 tons; this represented a 1·6 per cent decrease from the 1936 total. Sales of coke by Canadian producers totalled 1,491,793 tons of which 36,959 tons were exported. These sales represented 56·7 per cent of the year's output; the remainder of the output was used by producing companies in their own plants and associated metallurgical works. Imports of coke declined to 417,733 tons from the 1936 total of 612,858 tons. Coke and gas manufacturers in Canada carbonized 1,154,315 tons of Canadian bituminous coal and 2,425,635 tons of imported bituminous coal during 1937.

The production of manufactured gas in Canada in 1937 rose to 46,131,322 thousand cubic feet from the 1936 total of 44,482,988 thousand cubic feet. Sales accounted for 33·1 per cent of the 1937 output compared with 34·4 per cent in the preceding year.

Natural gas consumption in Canada during the year consisted of 18,500,000 thousand cubic feet for domestic purposes and 13,800,000 thousand cubic feet for industrial use. It is estimated that the domestic consumption of natural gas in 1937 resulted in an apparent displacement of 740,000 tons of coal.

The apparent consumption of fuel and gas oils in Canada in 1937 amounted to 563·8 million imperial gallons compared with 532·3 million imperial gallons in 1936. According to a survey by the Department of Mines and Resources, the Canadian consumption of fuel oil in 1937 was made up as follows: for domestic and building heating, 118 million imperial gallons; for industrial use, 162 million imperial gallons; for tractor fuel, 39 million imperial gallons; for railways, 53 million imperial gallons, and for bunkering purposes, 161 million imperial gallons. A possible coal displacement of 780,000 tons was indicated by the quantity of fuel oil used for domestic heating in 1937.

Table 1.—Output of Coal from Canadian Mines, 1785-1937

Year	Short tons	Value	Average per ton	Year	Short tons	Value	Average per ton
		$	$			$	$
1785-1866	2,863,826	4,905,462	1·71	1903	7,960,364	15,942,833	2·00
1867	631,320	1,056,725	1·67	1904	8,254,595	16,592,231	2·01
1868	623,392	1,073,061	1·72	1905	8,667,948	17,520,263	2·02
1869	687,825	1,155,282	1·68	1906	9,762,601	19,732,019	2·02
1870	752,635	1,243,139	1·65	1907	10,511,426	24,381,842	2·32
1871				1908	10,886,311	25,194,573	2·31
1872	3,033,152	5,073,331	1·67	1909	10,501,475	24,781,236	2·36
1873				1910	12,909,152	30,909,779	2·39
1874	1,063,742	1,763,423	1·66	1911	11,323,388	26,467,646	2·34
1875	1,039,974	1,747,016	1·68	1912	14,512,829	36,019,044	2·48
1876	994,762	1,729,546	1·74	1913	15,012,178	37,334,940	2·49
1877	1,036,670	1,794,415	1·73	1914	13,637,529	33,471,801	2·45
1878	1,089,744	1,941,285	1·78	1915	13,267,023	32,111,182	2·42
1879	1,126,497	2,050,639	1·82	1916	14,483,395	38,817,481	2·68
1880	1,482,714	2,657,194	1·79	1917	14,046,759	43,199,831	3·08
1881	1,537,106	2,688,821	1·75	1918	14,977,926	55,192,896	3·68
1882	1,848,148	3,248,446	1·76	1919*	13,919,096	55,622,670	3·99
1883	1,818,684	3,109,635	1·71	1920*	16,946,764	82,496,538	4·86
1884	1,984,959	3,593,831	1·81	1921*	15,057,493	72,451,656	4·81
1885	1,920,977	3,417,807	1·78	1922*	15,157,431	65,518,497	4·32
1886	2,116,653	3,739,840	1·77	1923*	16,990,571	72,058,986	4·24
1887	2,429,330	4,388,206	1·81	1924*	13,638,197	53,593,988	3·93
1888	2,602,552	4,674,140	1·80	1925*	13,134,968	49,261,951	3·75
1889	2,658,303	4,894,287	1·84	1926*	16,478,131	59,875,094	3·63
1890	3,084,682	5,676,247	1·84	1927*	17,426,861	61,867,463	3·55
1891	3,577,749	7,019,425	1·96	1928*	17,564,293	63,757,833	3·63
1892	3,287,745	6,363,757	1·94	1929*	17,496,557	63,065,170	3·60
1893	3,783,499	7,359,080	1·95	1930*	14,881,324	52,849,748	3·55
1894	3,847,070	7,429,468	1·93	1931*	12,243,211	41,207,682	3·37
1895	3,478,344	6,739,153	1·94	1932*	11,738,913	37,117,695	3·16
1896	3,745,716	7,226,462	1·93	1933*	11,903,344	35,923,962	3·02
1897	3,786,107	7,303,597	1·93	1934*	13,810,193	42,045,942	3·04
1898	4,173,108	8,224,288	1·97	1935*	13,888,006	41,963,110	3·02
1899	4,925,051	10,283,497	2·09	1936*	15,229,182	45,791,934	3·00
1900	5,777,319	13,742,178	2·38	1937*	15,835,954	48,752,048	3·08
1901	6,486,325	12,699,243	1·96				
1902	7,466,681	15,210,877	2·04	Total	566,817,749	1,700,114,367	3·00

*For the years 1919-1937 the tonnage shown is the total output from all mines: for previous years the tonnage shown includes only sales, colliery consumption, and coal used by the operators.

Table 2.—Output of Coal in Canada, by Grades, 1918-1937

Calendar year	Anthracite		Bituminous		Sub-Bituminous*		Lignite		Total	
	Short tons	Value	Short tons	Value	Short tons	Value	Short tons	Value	Short tons	Value
		$		$		$		$		$
1918	115,405	.....	11,636,190	.....	.....	.....	3,226,331	.....	14,977,926	55,192,896
1919	85,579	.....	10,892,046	.....	.....	.....	2,941,471	.....	13,919,096	55,622,670
1920	127,513	.....	13,122,924	.....	.....	.....	3,696,327	.....	16,946,764	82,496,538
1921	96,964	330,699	11,680,477	58,848,444	.....	.....	3,280,052	13,272,513	15,057,493	72,451,656
1922	40,417	122,538	11,630,488	53,348,507	.....	.....	3,486,526	12,047,452	15,157,431	65,518,497
1923	107	322	12,941,877	58,478,670	466,492	1,399,424	3,582,095	12,180,570	16,990,571	72,058,986
1924	.....	.....	9,483,732	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
1930	.....	.....	10,824,839	41,789,061	603,358	1,705,236	3,453,127	9,355,451	14,881,324	52,849,748
1931	.....	.....	8,861,360	33,165,730	471,343	1,211,197	2,910,508	6,830,755	12,243,211	41,207,682
1932	.....	.....	7,714,279	28,073,744	560,902	1,329,316	3,463,732	7,714,635	11,738,913	37,117,695
1933	.....	.....	7,979,283	27,757,150	554,118	1,274,017	3,369,943	6,892,795	11,903,344	35,923,962
1934	.....	.....	10,058,782	34,356,274	537,508	1,256,936	3,213,903	6,432,732	13,810,193	42,045,942
1935	.....	.....	9,748,841	33,150,781	566,425	1,410,926	3,572,740	7,401,403	13,888,006	41,963,110
1936	.....	.....	10,796,135	36,256,347	566,235	1,432,741	3,866,812	8,102,846	15,229,182	45,791,934
1937	.....	.....	11,634,379	39,661,259	506,260	1,314,196	3,695,315	7,776,593	15,835,954	48,752,048

*Not separately reported prior to 1923.

Table 3.—Output and Value of Coal in Canada, by Kinds and by Provinces, 1936 and 1937

(Short tons)

Province	1936			1937		
	Number of mines	Quantity	Value	Number of mines	Quantity	Value
			$			$
Nova Scotia (Bituminous)	39	6,649,102	22,973,281	38	7,256,954	25,640,819
New Brunswick (Bituminous)	27	368,618	1,190,032	24	364,714	1,180,611
Manitoba (Lignite)	2	4,029	9,525	2	3,172	7,709
Saskatchewan (Lignite)	*161	1,020,792	1,463,680	*143	1,049,348	1,494,337
Alberta—						
Bituminous	17	2,288,734	6,597,323	17	2,413,784	6,975,168
Sub-bituminous	18	566,235	1,432,741	17	506,260	1,314,196
Lignite	266	2,841,991	6,629,641	236	2,642,795	6,274,547
Total	†301	5,696,960	14,659,705	†270	5,562,839	14,563,911
British Columbia (Bituminous)	22	1,489,171	5,493,425	25	1,598,843	5,863,849
Yukon (Bituminous)	1	510	2,286	1	84	812
Canada—						
Bituminous	**106**	**10,796,135**	**36,256,317**	**105**	**11,634,379**	**39,661,259**
Sub-bituminous	**18**	**566,235**	**1,432,741**	**17**	**506,260**	**1,314,196**
Lignite	**429**	**3,866,812**	**8,102,816**	**381**	**3,695,315**	**7,776,593**
Total	**553**	**15,229,182**	**45,791,934**	**503**	**15,835,954**	**48,752,048**

*Exclusive of 47 small mines in operation during part of 1936 and 46 small mines operating during part of 1937.
†Exclusive of 31 small mines operated under special permits in 1936 and 53 small mines in 1937.

Table 4.—Output of Coal from Canadian Mines, by Months, 1933-1937

(Short tons)

Month	1933	1934	1935	1936	1937
January	1,038,843	1,290,708	1,520,325	1,391,288	1,499,326
February	1,049,897	1,009,995	1,018,092	1,492,431	1,286,374
March	825,023	1,031,525	1,038,668	1,028,417	1,110,599
April	670,633	815,015	892,896	937,740	989,653
May	677,859	1,005,221	926,493	999,754	1,078,603
June	698,951	982,952	930,093	1,038,224	1,073,670
July	675,264	991,167	981,080	1,064,843	1,145,334
August	894,837	1,097,064	987,846	1,056,032	1,241,948
September	1,140,978	1,305,798	1,118,198	1,448,051	1,421,383
October	1,579,351	1,562,917	1,558,683	1,808,166	1,712,369
November	1,346,878	1,429,128	1,622,322	1,467,155	1,669,747
December	1,304,830	1,288,702	1,293,310	1,497,081	1,606,948
Total	**11,903,344**	**13,810,193**	**13,888,006**	**15,229,182**	**15,835,954**

Table 5.—Output and Value of Coal in Canada, by Kinds and by Months, 1937

Month	Bituminous		Sub-Bituminous		Lignite		Total	
	Short tons	Value	Short tons	Value	Short tons	Value	Short tons	Value
		$		$		$		$
January	865,001	2,844,818	61,506	164,563	572,819	1,208,796	1,499,326	4,218,177
February	822,909	2,710,955	50,430	130,833	413,035	864,506	1,286,374	3,706,294
March	857,154	2,822,575	33,605	82,439	219,840	410,200	1,110,599	3,315,214
April	831,426	2,755,539	31,043	74,612	127,184	210,863	989,653	3,041,014
May	975,621	3,358,849	21,520	54,124	81,462	141,647	1,078,603	3,554,620
June	988,154	3,372,798	18,232	47,211	67,284	112,576	1,073,670	3,532,585
July	1,050,968	3,645,832	23,016	60,684	71,350	119,226	1,145,334	3,825,742
August	1,045,737	3,584,762	37,370	91,922	158,841	332,602	1,241,948	4,009,286
September	1,065,269	3,685,570	45,805	117,695	310,309	710,239	1,421,383	4,513,510
October	1,070,806	3,720,579	62,501	167,953	579,062	1,338,523	1,712,369	5,227,055
November	1,063,938	3,620,477	58,464	156,161	547,345	1,184,108	1,669,747	4,960,746
December	997,396	3,538,499	62,768	165,999	546,784	1,143,307	1,606,948	4,847,805
Total	**11,634,379**	**39,661,259**	**506,260**	**1,314,196**	**3,695,315**	**7,776,593**	**15,835,954**	**48,752,048**

Table 6.—Tonnage Lost in the Coal Mines of Canada, in 1936 and 1937 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	1936	70	30	1·1	27·1	0·0	0·8	1·0
	1937	77	23	2·7	16·9	.....	1·6	1·8
New Brunswick	1936	74	26	2·4	22·4	0·0	0·7	0·5
	1937	78	22	2·6	17·0	0·0	2·1	0·3
Manitoba	1936	67	33	0·0	33·0	0·0	0·0	0·0
	1937	75	25	0·0	25·0	.....	.....	.....
Saskatchewan	1936	74	26	0·0	25·3	0·0	0·3	0·4
	1937	74	26	.....	26·0	.....	.....	.....
Alberta	1936	70	30	0·3	29·4	0·1	0·0	0·2
	1937	69	31	0·5	30·1	.....	0·1	0·3
British Columbia	1936	81	19	0·1	17·9	0·3	0·0	0·7
	1937	82	18	0·2	16·8	0·1	.....	0·9
Canada	**1936**	**71**	**29**	**0·8**	**27·0**	**0·1**	**0·4**	**0·7**
	1937	**75**	**25**	**1·3**	**22·3**	**0·0**	**0·6**	**0·8**

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 1937

Month	Per cent produced	Per cent lost	Percentage lost through				
			Absenteeism	Lack of orders	Car shortage	Mine disability	Other causes
January	74	26	0·8	24·4	0·0	0·1	0·7
February	69	31	1·0	29·5	0·0	0·3	0·2
March	61	39	0·8	37·3	0·0	0·2	0·7
April	62	38	0·8	36·3	0·0	0·2	0·7
May	77	23	1·3	20·7	0·0	0·5	0·5
June	78	22	1·1	18·2	0·0	1·4	1·3
July	77	23	2·6	18·4	0·0	1·0	1·0
August	75	25	2·1	20·1	0·0	1·6	1·2
September	79	21	1·7	17·3	0·0	0·8	1·2
October	85	15	1·5	10·4	0·1	1·3	1·7
November	81	19	1·4	15·8	0·0	0·8	1·0
December	76	24	1·2	21·4	0·0	0·4	1·0
Total	**75**	**25**	**1·3**	**22·2**	**0·0**	**0·6**	**0·9**

Table 8.—Disposition of Coal from Canadian Mines, 1936 and 1937

—	1936			1937							
	Total coal	Total value	Average value per ton	Run-of-mine	Cobble	Lump	Nut and other grades	Slack	Total coal	Total value	Average value per ton
	Tons	$	$	Tons	Tons	Tons	Tons	Tons	Tons	$	$
Supplied to employees for domestic consumption	183,298	518,615	2·83	130,947	1,253	49,562	6,448	1,043	189,253	542,843	2·87
Used for power purposes—											
(a) Shops	92,519	369,428	3·99	546	.....	2,633	42,951	43,215	89,345	340,800	3·81
(b) Colliery boilers	564,269	1,461,518	2·59	126,669	355	3,073	85,978	355,394	571,469	1,478,980	2·59
(c) Companies' railroads	59,342	215,060	3·62	23,517	8,887	5,427	11,697	4,033	53,561	184,781	3·44
(d) Harbour tugs and dredges	1,306	4,271	3·27	1,249	.....	.....	.....	.....	1,249	4,425	3·54
Shipped. (See Table 10)—											
(a) Ships' bunkers	420,582			309,784	.....	129,963	57,510	2,092	499,349		
(b) Railroads	3,337,459	42,422,160	3·06	2,794,725	.....	563,132	30,564	72,741	3,461,162	45,435,881	3·15
(c) Other	10,092,267			1,058,596	207,598	3,434,284	1,534,924	4,226,586	10,461,988		
Used in making coke at colliery	149,713	352,764	2·36	.....	.....	.....	.....	175,287	175,287	416,640	2·38
Used in making briquettes	19,471	63,281	3·25	1,840	.....	.....	.....	23,494	25,334	76,767	3·03
Put on bank	1,357,052	4,402,264	3·24	198,503	2,027	512,251	27,906	880,189	1,620,876	5,360,713	3·31
Put on waste heap	216,429	.....	.....	.....	.....	.....	.....	.....	249,304	.....	.....
Total disposition	**16,493,707**	**49,809,361**	**3·01**	**4,646,376**	**220,120**	**4,700,325**	**1,797,978**	**5,784,074**	**17,398,177**	**53,841,830**	**3·09**
Lifted from bank	1,255,636	4,017,427	3·20	73,824	1,772	565,809	19,454	894,727	1,555,586	5,089,782	3·27
Lifted from waste heap	8,889	.....	.....	.....	.....	.....	.....	.....	6,637	.....	.....
Total output	**15,229,182**	**45,791,934**	**3·01**	**4,572,552**	**218,348**	**4,134,516**	**1,778,524**	**4,889,347**	**15,835,954**	**48,752,048**	**3·08**

Table 9.—Disposition of Coal from Canadian Mines, by Provinces, 1937

(Short tons)

—	Nova Scotia	New Brunswick	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon	Canada
Supplied to employees for domestic consumption	119,299	3,383	123	2,833	43,448	20,165	2	189,253
Coal shipped. (See Table 10)	6,603,236	355,881	2,753	998,288	5,215,772	1,246,544	25	14,422,499
Used under colliery boilers, etc.	302,880	3,960	96	20,481	146,020	98,030	2	571,469
Used by companies' railroads	33,540	800	.....	8,887	6,177	4,157	.....	53,561
Used for manufacture of coke at colliery	.....	.....	.....	.....	99,537	75,750	.....	175,287
Used in making briquettes	.....	.....	.....	.....	25,334	.....	.....	25,334
Used in shops, etc.	89,345	.....	.....	.....	.....	.....	.....	89,345
Used by harbour tugs and dredges	1,249	.....	.....	.....	.....	.....	.....	1,249
Put on bank	1,460,293	14,308	200	10,540	46,085	89,395	55	1,620,876
Put on waste heap	71,889	615	.....	18,721	38,220	119,859	.....	249,304
Total disposition	**8,681,731**	**378,947**	**3,172**	**1,059,750**	**5,620,593**	**1,653,900**	**84**	**17,398,177**
Lifted from bank	1,424,638	14,233	.....	10,402	51,328	54,985	.....	1,555,586
Lifted from waste heap	139	.....	.....	.....	6,426	72	.....	6,637
Total output	**7,256,954**	**364,714**	**3,172**	**1,049,348**	**5,562,839**	**1,598,843**	**84**	**15,835,954**

Table 10.—Shipments of Coal from Canadian Mines, by Grades and Destinations, 1936 and 1937

(Short tons)

Destination	1936					1937					
	Run-of-mine	Lump	Nut and other grades	Slack	Total	Run-of-mine	Cobble	Lump	Nut and other grades	Slack	Total
Prince Edward Island	5,948	49,073	4,343	11,333	70,697	6,710	.....	44,980	4,296	12,023	68,009
Nova Scotia	151,325	332,637	20,705	841,965	1,346,632	187,173	.....	400,287	29,199	929,819	1,546,478
New Brunswick	171,060	99,840	12,582	299,313	582,795	209,188	.....	96,231	16,536	346,293	668,248
Quebec	39,804	1,104,770	154,669	1,590,045	2,889,288	57,578	.....	1,066,590	134,776	1,741,202	3,000,146
Ontario	1,284	77,519	21,307	30,205	130,315	9,791	492	56,494	46,356	90,855	203,988
Manitoba	54,640	334,830	278,937	318,231	986,638	49,236	91,515	238,728	323,460	280,179	983,118
Saskatchewan	208,006	894,907	423,666	247,854	1,774,433	218,078	115,591	663,650	383,782	219,656	1,600,757
Alberta	227,574	512,553	302,730	283,165	1,326,022	259,433	.....	468,290	291,406	279,975	1,299,104
British Columbia	29,856	238,926	223,576	205,887	698,245	43,144	.....	263,270	257,276	215,946	779,636
Yukon	.....	.....	75	.....	75	.....	.....	.....	25	.....	25
Northwest Territories	.....	.....	.....	.....	.....	.....	.....	82	.....	.....	82
Total domestic shipments	889,497	3,645,055	1,442,590	3,827,998	9,805,140	1,040,331	207,598	3,298,602	1,487,112	4,115,948	10,149,591
Railroads—In Canada	2,663,368	565,164	27,832	64,996	3,321,360	2,781,607	.....	553,712	30,290	72,215	3,437,824
In United States	11,638	326	463	.....	12,427	13,118	.....	140	274	526	14,058
In Newfoundland	.....	6,386	.....	.....	6,386	.....	.....	9,280	.....	.....	9,280
Ships' bunkers	278,194	96,174	44,073	2,141	420,582	309,784	.....	129,963	57,510	2,092	499,349
Total railroads, and ships' bunkers	2,953,200	668,050	72,368	67,137	3,760,755	3,104,509	.....	693,095	88,074	74,833	3,960,511
United States	2,682	23,889	27,428	110,367	164,366	1,309	.....	23,021	47,655	110,626	182,611
Alaska	.....	12,588	125	.....	12,713	.....	.....	13,123	157	.....	13,280
Newfoundland	11,839	91,632	.....	248	103,719	15,811	.....	96,098	.....	12	111,921
Other countries	151	3,464	.....	.....	3,615	1,145	.....	3,440	.....	.....	4,585
Lost at sea	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total external shipments	14,672	131,573	27,553	110,615	284,413	18,265	.....	135,682	47,812	110,638	312,397
Total	3,857,369	4,444,678	1,542,511	4,005,750	13,850,308	4,163,105	207,598	4,127,370	1,622,998	4,301,419	14,422,499

Table 11.—Exports of Canadian Coal, 1873-1937

(Compiled in the *External Trade Branch*)

Calendar year	Short tons	Value	Calendar year	Short tons	Value	Calendar year	Short tons	Value
		$			$			$
1873	420,683	.....	1895	1,011,235	.....	1917	1,733,156	7,387,192
1874	310,988	.....	1896	1,106,661	.....	1918	1,817,195	9,405,423
1875	250,348	.....	1897	986,130	.....	1919	2,070,650	12,438,885
1876	248,638	.....	1898	1,150,029	.....	1920	2,558,174	18,014,899
1877	301,317	.....	1899	1,293,169	.....	1921	1,987,251	13,896,370
1878	327,959	.....	1900	1,787,777	.....	1922	1,818,582	11,159,060
1879	306,648	.....	1901	1,573,661	.....	1923	1,654,406	10,661,399
1880	432,188	.....	1902	2,090,268	.....	1924	773,246	4,836,848
1881	395,382	.....	1903	1,954,629	.....	1925	785,910	4,329,173
1882	412,682	.....	1904	1,557,412	.....	1926	1,028,200	5,739,436
1883	486,811	.....	1905	1,635,287	.....	1927	1,113,330	5,890,259
1884	474,405	.....	1906	1,835,041	.....	1928	863,941	4,469,999
1885	427,937	.....	1907	1,891,074	.....	1929	842,972	4,375,328
1886	520,703	.....	1908	1,729,833	.....	1930	624,512	3,345,998
1887	580,965	.....	1909	1,588,099	.....	1931	359,853	1,909,922
1888	588,627	.....	1910	2,377,049	.....	1932	285,487	1,433,036
1889	665,315	.....	1911	1,500,639	.....	1933	259,233	1,188,225
1890	724,486	.....	1912	2,127,133	.....	1934	306,335	1,400,978
1891	971,259	.....	1913	1,562,020	3,951,351	1935	418,391	1,906,647
1892	823,733	.....	1914	1,423,126	3,780,175	1936	411,574	1,792,584
1893	960,312	.....	1915	1,766,543	5,406,058	1937	355,268	1,441,879
1894	1,103,694	.....	1916	2,135,359	7,099,387			
						Total	69,887,320	-

Table 12.—Exports of Canadian Coal from Eastern and Western Canada, 1933-1937

(Short tons)

—	1933	1934	1935	1936	1937
Eastern Canada	171,814	212,151	295,012	277,240	204,411
Western Canada	87,419	94,184	123,379	134,334	150,857
Total	**259,233**	**306,335**	**418,391**	**411,574**	**355,268**

Table 13.—Exports of Canadian Coal, by Destinations, 1935-1937

(Compiled in the *External Trade Branch*)

Destination	1935		1936		1937	
	Short tons	Value	Short tons	Value	Short tons	Value
		$		$		$
British Empire						
United Kingdom	35,413	206,996	30,867	169,122	3,587	17,935
Irish Free State	1,837	9,224	8,781	43,450	888	4,414
British South Africa	3,832	18,597	3,174	15,380	447	2,186
Bermuda	804	3,934	1,569	7,583	...	...
British Guiana	2,193	10,243	...	...	...	...
British West Indies—						
Jamaica	...	...	52	364	...	...
Trinidad and Tobago	1,079	5,395	...	...	...	...
Gibraltar	...	...	2,098	10,385	...	...
Newfoundland	128,169	577,241	94,314	429,107	104,431	480,841
Sierra Leone	4,583	22,296	6,804	31,743	1,683	8,415
Australia	15,891	95,666	7,773	47,097	...	...
New Zealand	13,320	62,338	12,318	57,736	...	...
Total British Empire	207,121	1,011,930	167,750	811,967	111,036	513,791
Foreign Countries						
Argentina	5,559	26,584	5,696	26,338	...	...
Belgium	2,433	12,216	7,708	37,922	336	1,680
Brazil	1,420	6,705	...	...	...	...
China	3,473	25,395	1,225	9,187	...	...
Cuba	2,527	12,203	1,880	9,242	...	...
Denmark	1,308	6,453	298	1,478	...	...
Finland	...	...	471	2,355	...	...
France	4,699	24,207	3,144	15,916	271	1,350
French Possessions—						
French Africa	123	615	...	...	...	...
St. Pierre and Miquelon	4,448	19,298	5,192	23,947	3,273	15,088
Germany	...	...	1,584	7,773	...	...
Greece	314	1,570	1,203	5,902	...	...
Iceland	...	...	300	1,488	...	...
Italy	2,800	14,165	1,504	7,481	...	...
Japan	982	7,365	1,038	7,481	...	...
Morocco	...	...	2,107	10,159	...	...
Netherlands	1,713	8,394	1,925	9,457	...	...
Norway	2,689	12,534	3,434	17,117	...	...
Panama	...	...	...	...	1,002	4,697
Peru	252	1,259	...	...	...	...
Poland and Danzig	424	2,120	405	1,986	...	...
San Domingo	623	2,991	...	...	...	...
Spain	267	1,330	379	1,895	...	...
Sweden	280	1,392	563	2,789	254	1,270
United States	161,804	611,990	193,646	714,695	228,725	840,545
Alaska	12,889	94,656	10,122	66,009	10,371	63,458
Puerto Rico	243	1,215	...	...	...	...
Total foreign countries	211,270	894,717	243,824	980,617	244,232	928,088
Total	**418,391**	**1,906,647**	**411,574**	**1,792,584**	**355,268**	**1,411,879**

IMPORTS

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

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

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

Welsh	Screens		Scotch	Screens		American	Screens	
	Through	Over		Through	Over		Through	Over
Large		6"						
			Chirls	5"	3"	Broken	4¾"	3¼"
Machine made Cobbles	4"	2½"						
			Cobbles	3"	2"	Furnace, or Egg	3¼"	1 11/16"
Screened Cobbles	3"	1¼"						
French Nuts	2½"	1½"	Trebles	2¼"	1⅝"			
						Stove	1 11/16"	1⅛"
Stove Nuts	1¾"	¾"	Doubles	1⅝"	1"	Chestnut	1⅜"	13/16"
Peanuts	1¼"	⅝"						
Beans	1⅛"	⅝"						
			Singles	1"	⅝"	Pea	13/16"	9/16"
Peas	⅝"	¼"	Pearls	⅝"	¼"	Buckwheat No. 1	9/16"	5/16"
			Beans	½"	3/16"			
			Peas	⅜"	3/16"	Buckwheat No. 2 (Rice)	5/16"	3/16"
Grains	¼"	⅛"						
						Buckwheat No. 3 (Barley)	3/16"	3/32"

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

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

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

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

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

Bituminous coal imports into Canada are obtained, in the main part, from the United States. These importations were supplemented in 1937 by shipments from Great Britain and Germany.

Duties on coal imported into Canada vary. In 1937 anthracite coal was brought into this country free under the British Preferential Tariff but, under the Intermediate and General Tariff, it is subject to a duty of 50 cents a ton plus the 3 per cent excise tax on imports; bituminous coal is subjected to a duty of 35 cents per ton under the Preferential Tariff and 75 cents per ton under the Intermediate and General Tariff.

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

(a) That the ratio of fixed carbon to volatile combustible matter must be at least 6 and

(b) That the coal does not show distinct coking, caking or agglomerating properties. (The latter is regarded as a specific quality of bituminous coal.)

UNITED STATES

Canada's anthracite coal supply, prior to 1922, was obtained almost entirely from the United States; the annual importations at that time ranged from four to six million tons. Imports from this source, in succeeding years, declined materially and during the past five years averaged only 1·72 million tons. The Pennsylvania fields supply practically all the United States anthracite shipped into Canada.

Bituminous coal receipts from the United States reached their peak in 1918 when 17·27 million tons were imported. In 1937, Canada received 12,338,938 tons from this source. Approximately 82·8 per cent of the 1937 imports were cleared through Central Ontario ports—Toronto, Hamilton, Sault Ste. Marie, Windsor, Parry Sound, Sarnia, Chatham and Prescott being the principal customs ports of entry. The bulk of the Canadian imports of bituminous coal is obtained from the Fairmont field, West Virginia, and the Pittsburgh field, Pennsylvania.

GREAT BRITAIN

Strikes in the anthracite producing areas in the United States in 1922 and the possibility in the following year of an embargo on shipments to Canada from that country resulted in Canada turning to Great Britain as a source of future supply. In 1923 approximately 262,000 tons of anthracite coal were imported from Great Britain, however, since that time there has been an appreciable increase in the tonnage drawn from this source until, in 1934, imports reached a peak of 1,643,516 tons. In 1937, anthracite importations amounted to 1,134,855 tons. South Wales was the principal area from which this coal was obtained. According to the *Royal Commission on Anthracite Coal* the associated group of companies in Scotland produce about 900,000 tons of anthracite coal annually, of which from 250,000 tons to 300,000 tons is sold in Canada.

Bituminous coal importations from Great Britain reached a high mark in 1935 when 380,645 tons were brought into Canada. In 1936 a decline to 147,720 tons was recorded and in 1937 a further falling-off to 56,073 tons was shown.

GERMANY

German coal began to enter this country in appreciable quantities in 1934. During that year, 72,103 tons of anthracite coal were imported, in the following year, 205,045 tons were imported, in 1936, imports totalled 359,994 tons while in 1937 Canada imported 273,696 tons. This coal is produced in Westphalia and its best grade is similar to the Big Vein anthracite imported into Canada from Wales. The Sophia Jacoba and Langenbrandt mines are two of the most important shippers to Canada. Bituminous coal importations from Germany amounted to 9,421 tons in 1936 and 54,061 tons in 1937.

RUSSIA

Imports of Russian anthracite into Canada reached their peak in 1930 when 291,407 tons were received from that source. In February, 1931, an embargo was placed on Russian coal and importations ceased. However, in September, 1936, the embargo was lifted and, in 1937, Canada imported 160,889 tons of Russian anthracite coal. This quantity consisted of 142,131 tons of grate, egg, etc., and 18,758 tons of smaller sizes.

BELGIUM

Anthracite coal has been imported into Canada from Belgium to a considerable extent since 1934. In that year, 17,557 tons were brought into this country; in the following year, 67,220 tons were imported; in 1936, imports totalled 44,543 tons, while in 1937 a decline to 8,131 tons was recorded.

The estimated annual production of Belgium anthracite and semi-anthracite coal is about 5 million tons. The export of this coal is under the control of the Belgian State Railways.

FRENCH INDO-CHINA

French Indo-China produces both clinkering and non-clinkering types of anthracite coal. The clinkering type meets the requirements of the Canadian market and there is a comparatively large annual importation of this grade. Freight rates are the controlling factor in the marketing of this coal in Canada as the water haul to Montreal from the point of shipment is about 13,300 miles by way of the Suez Canal and about 15,000 miles by way of the Panama Canal. In 1934, Canada did not receive any coal from French Indo-China; in 1935, imports amounted to 54,447 tons while in 1936 an advance to 88,702 tons was recorded; in 1937 none was imported.

Table 16.—Imports of Coal into Canada "Entered for Consumption" 1880-1937

(Compiled in the *External Trade Branch*)

Year	Anthracite coal		Bituminous coal		Bituminous coal dust		Lignite		Total	
	Short tons	Value	Short tons	Value	Short tons	Value	Short tons	Value	Short tons	Value
Fiscal year ending Mar. 31—		$		$		$		$		$
1880.....	516,729	1,509,960	547,049	1,220,761	3,565	8,877			1,067,343	2,739,598
1881.....	572,092	2,325,937	587,024	1,741,568	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	6,656,600
1887.....	1,100,165	4,423,062	1,149,792	3,126,225	31,401	33,178			2,281,358	7,582,465
1888.....	2,138,627	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	9,779,407
1893.....	1,500,550	6,355,285	1,603,154	3,967,764	109,585	44,474			3,213,289	10,367,523
1894.....	1,530,522	6,354,040	1,359,509	3,315,094	117,573	49,510			3,007,604	9,718,644
1895.....	1,404,342	5,350,627	1,444,928	3,321,387	181,318	52,221			3,030,588	8,724,235
1896.....	1,574,355	5,667,096	1,538,489	3,299,025	210,386	53,742			3,323,230	9,019,863
1897.....	1,457,295	5,695,168	1,543,476	3,254,217	225,562	59,609			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	4,310,964	330,174	98,349			4,424,039	11,012,225
1901.....	1,933,283	7,923,950	2,516,392	4,956,025	414,432	275,559			4,864,107	13,155,534
1902.....	1,652,451	7,021,939	3,047,392	5,712,058	489,548	264,550			5,189,391	12,998,547
1903.....	1,456,713	7,028,664	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			6,936,959	20,113,559
1905.....	2,604,137	12,093,371	4,176,274	8,002,896	650,261	343,456			7,430,672	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 ¾" screen					
Calendar year—										
1907.....	3,141,873	14,506,129	6,370,152	13,232,445	1,139,256	1,121,949			10,651,281	28,860,523
1908.....	3,160,110	14,478,536	6,025,574	12,516,748	1,111,811	1,355,677			10,297,495	28,350,961
1909.....	3,017,844	13,906,152	5,625,063	11,455,818	1,230,017	1,469,889			9,872,924	26,831,859
1910.....	3,266,235	14,735,062	5,966,466	11,919,341	1,365,281	1,795,598			10,597,982	28,450,001
1911.....	4,020,577	18,794,192	8,905,815	18,407,603	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.....	4,435,010	21,241,924	7,776,415	14,954,321	2,509,632	3,605,253			14,721,057	39,801,498
1915.....	4,072,192	18,753,989	6,106,794	7,564,369	2,286,916	2,027,256			12,465,902	28,345,605
1916.....	4,570,815	22,216,363	9,504,552	12,368,679	3,505,236	3,704,624			17,580,603	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	13,656,360	37,291,057	3,237,067	8,351,639			21,678,587	71,650,584
1919.....	4,937,095	31,595,694	10,127,965	24,750,717	2,228,197	4,814,388			17,293,257	61,160,799
1920.....	4,982,313	36,773,351	11,548,475	50,808,626	2,312,754	10,451,621			18,843,542	98,033,598
1921.....	4,553,820	40,293,639	11,104,635	41,000,322	2,553,607	7,630,773			18,302,062	88,924,734
1922.....	2,705,752	23,795,143	8,133,366	30,171,375	2,184,407	7,215,910			13,023,525	61,182,428
1923.....	5,165,382	46,457,962	11,933,610	39,511,911	3,888,630	10,387,188	2,331	12,846	20,989,953	96,369,907
1924.....	4,152,558	37,280,910	9,222,019	23,120,128	3,324,195	6,508,515	26,007	117,955	16,724,779	67,027,508
1925*.....	3,782,557	32,096,509	12,548,460 tons		$26,974,340		18,653	87,832	16,349,670	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	44,254	18,687,354	61,784,509
1928.....	3,748,816	27,680,018	†13,445,945 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		$27,140,968		14,108	62,508	18,204,163	56,013,268
1930.....	4,256,090	30,098,910	†14,497,955 tons		$26,522,765		18,676	72,691	18,772,721	56,694,366
1931.....	3,162,317	21,067,025	† 9,952,280 tons		$15,732,710		6,410	29,603	13,121,007	36,829,338
1932.....	3,148,902	19,312,710	† 8,807,131 tons		$12,011,398		3,004	13,701	11,959,037	31,337,809
1933.....	3,015,571	17,610,091	† 8,185,759 tons		$10,501,924		2,707	10,176	11,204,037	28,122,191
1934.....	3,500,563	18,414,060	† 9,471,605 tons		$16,641,659		2,791	9,661	12,974,959	35,065,380
1935.....	3,442,835	17,445,102	† 8,630,686 tons		$15,867,107		5,246	19,040	12,078,767	33,331,249
1936.....	3,418,556	17,897,635	† 9,700,002 tons		$17,039,408		4,873	18,347	13,123,431	34,955,390
1937.....	3,488,278	17,317,449	11,180,827 tons		$20,835,587		1,494	5,582	14,670,599	38,158,618

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

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

Table 17.—Imports of Coal into Eastern and Western Canada, 1936

(Short tons)

Destination	Anthracite				Bituminous	Lignite	Total all grades
	Grate, egg, stove, nut, doubles, cobbles and trebles	Screenings or dust	Peas, beans and smaller sizes, n.o.p.	Total anthracite			
EASTERN CANADA—							
United States	1,459,192	7,817	196,693	1,663,702	9,178,552	.....	10,842,254
Great Britain	890,720	.....	442,706	1,333,426	146,439	.....	1,479,865
Germany	319,119	58	40,816	359,993	9,421	.....	369,414
Belgium	37,055	.....	7,488	44,543	.....	.....	44,543
French Indo-China	31,103	.....	57,599	88,702	.....	.....	88,702
Norway	.....	.....	.....	.....	361	.....	361
Sweden	.....	.....	.....	.....	45	.....	45
Denmark	.....	.....	.....	.....	124	.....	124
Netherlands	8,951	.....	7,280	16,231	35	.....	16,266
Newfoundland	.....	.....	.....	.....	286	.....	286
Esthonia	.....	.....	.....	.....	134	.....	134
Total	2,746,140	7,875	752,582	3,506,597	9,335,397	.....	12,841,994
WESTERN CANADA*—							
United States	17,722	30	4,394	22,146	863,575	4,873	890,594
Great Britain	176	.....	.....	176	1,281	.....	1,457
Germany	1	.....	.....	1	.....	.....	1
China	1,120	.....	.....	1,120	.....	.....	1,120
Total	19,019	30	4,394	23,443	864,856	4,873	893,172
Canada—							
United States	1,476,914	7,847	201,087	1,685,848	10,042,127	4,873	11,732,848
Great Britain	890,896	.....	442,706	1,333,602	147,720	.....	1,481,322
Germany	319,120	58	40,816	359,994	9,421	.....	369,415
Belgium	37,055	.....	7,488	44,543	.....	.....	44,543
French Indo-China	31,103	.....	57,599	88,702	.....	.....	88,702
Norway	.....	.....	.....	.....	361	.....	361
Sweden	.....	.....	.....	.....	45	.....	45
Denmark	.....	.....	.....	.....	124	.....	124
Netherlands	8,951	.....	7,280	16,231	35	.....	16,266
Newfoundland	.....	.....	.....	.....	286	.....	286
China	1,120	.....	.....	1,120	.....	.....	1,120
Esthonia	.....	.....	.....	.....	134	.....	134
Total	2,765,159	7,905	756,976	3,530,040	10,200,253	4,873	13,735,166

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

NOTE.—The import data shown in Tables 17 to 30 inclusive, refer to the total tonnage received at Canadian ports whether or not this coal has been cleared from customs during the period.

Table 18.—Imports of Coal into Eastern and Western Canada, 1937

(Short tons)

Destination	Anthracite				Bituminous	Lignite	Total all grades
	Grate, egg, stove, nut, doubles, cobbles and trebles	Screenings or Dust	Peas, beans and smaller sizes, n.o.p.	Total anthracite			
EASTERN CANADA—							
United States	1,726,296	10,891	230,639	1,967,826	11,374,195	.....	13,342,021
Great Britain	764,433	8,120	362,243	1,134,796	55,406	.....	1,190,202
Germany	256,335	.....	17,361	273,696	54,061	.....	327,757
Belgium	8,131	.....	.....	8,131	.....	.....	8,131
Russia	142,131	.....	18,758	160,889	.....	.....	160,889
Norway	.....	.....	.....	.....	113	.....	113
Morocco	.....	.....	78	78	.....	.....	78
Esthonia	.....	.....	.....	.....	200	.....	200
Total	2,897,326	19,011	629,079	3,545,416	11,483,975	.....	15,029,391
WESTERN CANADA*—							
United States	10,788	37	15,968	26,793	964,743	1,494	993,030
Great Britain	59	.....	.....	59	667	.....	726
Total	10,847	37	15,968	26,852	965,410	1,494	993,756
Canada—							
United States	1,737,084	10,928	246,607	1,994,619	12,338,938	1,494	14,335,051
Great Britain	764,492	8,120	362,243	1,134,855	56,073	.....	1,190,928
Germany	256,335	.....	17,361	273,696	54,061	.....	327,757
Belgium	8,131	.....	.....	8,131	.....	.....	8,131
Russia	142,131	.....	18,758	160,889	.....	.....	160,889
Norway	.....	.....	.....	.....	113	.....	113
Morocco	.....	.....	78	78	.....	.....	78
Esthonia	.....	.....	.....	.....	200	.....	200
Total	2,908,173	19,048	645,047	3,572,268	12,449,385	1,494	16,023,147

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

Table 19.—Imports of Anthracite and Bituminous Coal into Canada from Great Britain, by Grades and by Provinces, 1936 and 1937

(Short tons)

Destination	1936				1937			
	Anthracite			Bituminous, all grades	Anthracite			Bituminous, all grades
	Grate, egg, stove, nut, doubles, cobbles and trebles	Screenings or dust	Peas, beans and smaller sizes, n.o.p.		Grate, egg, stove, nut, doubles, cobbles and trebles	Screenings or dust	Peas, beans and smaller sizes, n.o.p.	
Prince Edward Island	5,224	.....	.....	5,576	1,894	.....	.....	4,440
Nova Scotia	41,218	.....	2,410	40,940	44,318	.....	7,644	32,321
New Brunswick	70,327	.....	3,212	22,253	69,830	.....	2,521	14,862
Quebec	741,766	.....	417,706	77,670	637,621	8,120	336,241	3,731
Central Ontario	32,185	.....	19,318	.....	10,770	.....	15,837	52
Head of Lakes	.....	.....	.....	.....	.....	.....	.....	.....
Manitoba	176	.....	.....	619	59	.....	.....	667
Saskatchewan	.....	.....	.....	.....	.....	.....	.....	.....
British Columbia	.....	.....	.....	662	.....	.....	.....	.....
Canada	890,896	.....	442,706	147,720	764,492	8,120	362,243	56,073

Table 20.—Imports of Anthracite, Bituminous and Lignite Coal into Canada from the United States, by Grades and by Provinces, 1936 and 1937

(Short tons)

Destination	1936					1937				
	Anthracite					Anthracite				
	Grate, egg, stove, nut doubles, cobbles and trebles	Screenings or dust	Peas, beans and smaller sizes n.o.p.	Bituminous, all grades	Lignite	Grate, egg, stove, nut, doubles, cobbles and trebles	Screenings or dust	Peas, beans and smaller sizes n.o.p.	Bituminous, all grades	Lignite
Prince Edward Island	1,479	.....	.....	111	.....	1,153	.....	.....	2,500	.....
Nova Scotia	7,534	.....	.....	2	.....	8,606	.....	.....	2,773	.....
New Brunswick	14,740	.....	339	16,854	.....	19,909	.....	443	13,768	.....
Quebec	208,196	3	53,446	645,006	.....	286,375	6,949	62,410	1,139,641	.....
Ontario	1,243,593	7,814	142,908	9,361,758	.....	1,420,213	3,942	178,878	11,164,259	.....
Manitoba	1,345	.....	4,363	13,452	168	738	.....	4,842	11,412	124
Saskatchewan	27	.....	31	847	20	29	37	.....	743	125
Alberta	.....	.....	.....	1,205	33	.....	.....	34	1,203	28
British Columbia	.....	30	.....	2,801	4,652	61	.....	.....	2,477	1,217
Yukon	.....	.....	.....	61	.....	.....	.....	.....	63	.....
Canada	**1,476,914**	**7,847**	**201,087**	**10,042,127**	**4,873**	**1,737,084**	**10,928**	**246,607**	**12,338,938**	**1,494**

Table 21.—Imports of Anthracite and Bituminous Coal into Canada from Other Countries, by Provinces, 1936 and 1937

(Short tons)

Destination	Source	1936				1937			
		Anthracite				Anthracite			
		Grate, egg, stove, nut, doubles, cobbles and trebles	Screenings or dust	Peas, beans, and smaller sizes, n.o.p.	Bituminous, all grades	Grate, egg, stove, nut, doubles, cobbles and trebles	Screenings or dust	Peas, beans, and smaller sizes, n.o.p.	Bituminous, all grades
Prince Edward Island	Germany	.....	.....	.....	.....	4,027	.....	.....	.....
Nova Scotia	Germany	792	.....	3,249	2,321	13,169	.....	.....	6,955
New Brunswick	Germany	.....	.....	.....	.....	4,927	.....	.....	.....
Quebec	Germany	318,327	58	37,567	7,100	234,139	.....	17,361	38,382
	Belgium	37,055	.....	7,488	.....	8,131	.....	.....	.....
	French Indo-China	31,103	.....	57,599	.....	.....	.....	.....	.....
	Russia	.....	.....	.....	.....	142,131	.....	18,758	.....
	Netherlands	8,951	.....	.....	35	.....	.....	.....	.....
	Norway	.....	.....	.....	361	.....	.....	.....	113
	Sweden	.....	.....	.....	45	.....	.....	.....	.....
	Denmark	.....	.....	.....	124	.....	.....	.....	.....
	Morocco	.....	.....	.....	.....	.....	.....	78	.....
	Esthonia	.....	.....	.....	134	.....	.....	.....	200
	Newfoundland	.....	.....	.....	286	.....	.....	.....	.....
Central Ontario	Germany	.....	.....	.....	.....	73	.....	.....	8,724
	Netherlands	.....	.....	7,280	.....	.....	.....	.....	.....
British Columbia	Germany	1	.....	.....	.....	.....	.....	.....	.....
	China	1,120	.....	.....	.....	.....	.....	.....	.....
Canada	.....	**397,349**	**58**	**113,183**	**10,406**	**406,597**	.....	**36,197**	**54,374**

Table 22.—Imports of Anthracite, Bituminous and Lignite Coal into Canada, by Months, 1936 and 1937

(Short tons)

Month	1936				1937			
	United States	Great Britain	Other countries	Total	United States	Great Britain	Other countries	Total
ANTHRACITE—								
January	139,917	19,132	.....	159,049	136,296	15,002	6,480	157,778
February	203,788	22,957	.....	226,745	134,301	23,012	6,046	163,359
March	143,432	20,163	.....	163,595	150,554	13,640	2,148	166,342
April	58,256	70,646	130	129,032	228,252	41,436	73	269,761
May	179,253	207,275	16,474	403,002	221,042	124,198	24,721	369,961
June	163,630	227,835	48,900	440,365	165,816	154,949	57,939	378,704
July	105,951	197,845	63,577	367,373	142,930	172,618	80,231	395,779
August	95,838	129,700	96,227	321,765	90,112	138,760	90,206	319,078
September	133,249	136,201	63,929	333,379	127,153	133,358	63,223	323,734
October	171,637	159,875	94,887	426,399	187,528	168,528	52,182	408,238
November	126,880	106,549	73,025	306,454	232,517	128,733	52,065	413,315
December	164,017	35,424	53,441	252,882	178,118	20,621	7,480	206,219
Total	1,685,848	1,333,602	510,590	3,530,040	1,994,619	1,134,855	442,794	3,572,268
BITUMINOUS—								
January	285,633	7,512	.....	293,145	409,858	6,927	.....	416,785
February	296,484	6,344	.....	302,828	319,208	2,125	1,743	323,076
March	335,647	6,430	.....	342,077	453,338	2,417	927	456,682
April	346,736	15,156	.....	361,892	636,838	6,440	3,023	646,301
May	945,133	13,347	33	958,513	1,331,358	52	1,117	1,332,527
June	1,217,789	16,558	209	1,234,556	1,537,632	6,514	22,067	1,566,213
July	1,028,548	18,972	1,562	1,049,082	1,485,683	9,424	3,055	1,498,162
August	1,208,207	8,991	134	1,217,332	1,454,179	3,534	161	1,457,874
September	1,048,010	10,645	2,447	1,061,102	1,304,113	2,402	.....	1,306,515
October	1,182,997	23,732	301	1,207,030	1,417,884	3,013	8,081	1,428,978
November	1,275,550	14,665	1,613	1,291,828	1,434,385	6,537	7,831	1,448,753
December	871,393	5,368	4,107	880,868	554,462	6,688	6,369	567,519
Total	10,042,127	147,720	10,406	10,200,253	12,338,938	56,073	54,374	12,449,385
LIGNITE—								
January	484	.....	.....	484	314	.....	.....	314
February	1,269	.....	.....	1,269	93	.....	.....	93
March	588	.....	.....	588	47	.....	.....	47
April	222	.....	.....	222	.....	.....	.....	.....
May	83	.....	.....	83	40	.....	.....	40
June	126	.....	.....	126	3	.....	.....	3
July	.....	.....	.....	.....	1	.....	.....	1
August	92	.....	.....	92	46	.....	.....	46
September	430	.....	.....	430	1	.....	.....	1
October	315	.....	.....	315	285	.....	.....	285
November	349	.....	.....	349	322	.....	.....	322
December	915	.....	.....	915	342	.....	.....	342
Total	4,873	.....	.....	4,873	1,494	.....	.....	1,494

Table 23.—Average Imports of Coal into Quebec and Ontario, by Areas, for the Five Years, 1933-1937

(Short tons)

Area	Total anthracite	Total bituminous	Total all grades
Quebec	168,181	111,495	279,676
Montreal	1,688,327	740,995	2,429,322
Ottawa	103,330	579,787	683,117
Kingston	54,057	110,977	165,034
Toronto	1,039,047	4,491,579	5,530,626
Windsor	175,548	2,347,699	2,523,247
Northern Ontario	29,846	1,688,073	1,717,919
Total	**3,258,336**	**10,070,605**	**13,328,941**

Table 24.—Average Imports of Coal into Canada, by Kinds and by Provinces, for the Five Years, 1933-1937

(Short tons)

Destination	Total anthracite	Total bituminous	Lignite	Total all grades
Prince Edward Island	6,576	4,166	.....	10,742
Nova Scotia	62,804	50,539	.....	113,343
New Brunswick	90,350	31,705	.....	122,055
Quebec	1,861,128	854,092	.....	2,715,220
Central Ontario	1,384,501	8,480,893	.....	9,865,394
Head of Lakes	12,707	735,619	.....	748,326
Total Ontario	1,397,208	9,216,512	.....	10,613,720
Manitoba	5,826	12,283	247	18,356
Manitoba and Head of Lakes	18,533	747,902	247	766,682
Saskatchewan	46	1,021	137	1,204
Alberta	22	1,187	22	1,231
British Columbia	1,350	7,596	3,017	11,963
Yukon	.....	38	.....	38
Canada	**3,425,310**	**10,179,139**	**3,423**	**13,607,872**

CONSUMPTION

The per capita consumption of coal in Canada reached its peak in 1918 when the average quantity consumed per person was 4·268 tons; in the succeeding years there was a considerable annual variation in consumption and the low mark during that period of 2·085 tons was recorded in 1933. During 1937, the consumption per person in Canada was 2·648 tons.

Many reasons have been advanced for the falling-off in the tonnage of coal consumed in recent years. Possibly improvements in the design of fuel burning equipment and in methods of burning have contributed materially to this decline. Table 31 shows the trend of coal consumption during the period 1902-1937. Table 32 records corresponding data for coke utilization together with an indication of the possible coal displacement through the use of imported coke. Table 33 is the result of a further attempt to arrive at the energy supplied by all mineral fuels and water power in terms of coal. In the case of fuel and gas oils and kerosene the data relate to apparent consumption. Water power and natural gas calculations are based on production. The factors used were calculated on the basis of the average British thermal units of these fuels as compared with 13,000 B.T.U. for bituminous coal.

Table 25.—Summary Statistics for 1933—Output, Exports, Interprovincial Shipments, Imports and Coal made Available for Consumption in Canada, by Provinces

(Short tons)

Province	Canadian coal				Imported from U.S.A.	Imported from Great Britain	Imported from Germany	Imported from China	Imported from Alaska	Coal available for consumption
	Output	Received from other provinces	Shipped to other provinces	Exported						
Prince Edward Island—										
Anthracite	.....	.....	.....	.....	678	2,863	.....	.....	.....	3,541
Bituminous	.....	63,726	.....	.....	133	1,677	.....	.....	.....	65,536
Total	.....	63,726	.....	.....	811	4,540	.....	.....	.....	69,077
Nova Scotia—										
Anthracite	.....	.....	.....	.....	7,850	49,785	.....	.....	.....	57,635
Bituminous	4,557,590	2,158	2,387,032	116,098	448	59,984	.....	.....	.....	2,117,050
Total	4,557,590	2,158	2,387,032	116,098	8,298	109,769	.....	.....	.....	2,174,685
New Brunswick—										
Anthracite	.....	.....	.....	.....	18,952	76,578	.....	.....	.....	95,530
Bituminous	312,303	320,391	5,711	55,716	9,249	10,790	144	.....	.....	591,450
Total	312,303	320,391	5,711	55,716	28,201	87,368	144	.....	.....	686,980
Quebec—										
Anthracite	.....	.....	.....	.....	283,799	1,447,859	.....	.....	.....	1,731,658
Bituminous	.....	1,998,953	.....	.....	433,706	244,276	.....	.....	.....	2,676,935
Sub-bituminous	.....	32	.....	.....	.....	.....	.....	.....	.....	32
Total	.....	1,998,985	.....	.....	717,505	1,692,135	.....	.....	.....	4,408,625
Central Ontario—										
Anthracite	.....	.....	.....	.....	1,104,155	24,894	.....	.....	.....	1,129,049
Bituminous	.....	9,658	.....	.....	7,067,289	1,205	.....	.....	.....	7,078,152
Sub-bituminous	.....	*19,166	.....	.....	.....	.....	.....	.....	.....	19,166
Lignite	.....	*18,347	.....	.....	.....	.....	.....	.....	.....	18,347
Total	.....	47,171	.....	.....	8,171,444	26,099	.....	.....	.....	8,244,714
Manitoba and Head of Lakes—										
Anthracite	.....	.....	.....	.....	14,261	150	.....	.....	.....	14,411
Bituminous	.....	215,957	.....	24	569,175	1,178	.....	.....	.....	786,286
Sub-bituminous	.....	66,256	.....	.....	.....	.....	.....	.....	.....	66,256
Lignite	3,880	619,338	.....	1,194	292	.....	.....	.....	.....	622,316
Total	3,880	901,551	.....	1,218	583,728	1,328	.....	.....	.....	1,489,269
Saskatchewan—										
Anthracite	.....	.....	.....	.....	57	.....	.....	.....	.....	57
Bituminous	.....	94,247	.....	21	1,226	101	.....	.....	.....	95,553
Sub-bituminous	.....	21,707	.....	.....	.....	.....	.....	.....	.....	21,707
Lignite	927,649	961,774	376,922	3,692	317	.....	.....	.....	.....	1,509,126
Total	927,649	1,077,728	376,922	3,713	1,600	101	.....	.....	.....	1,626,443
Alberta—										
Anthracite	.....	.....	.....	.....	75	.....	.....	.....	.....	75
Bituminous	1,726,256	5,921	240,141	310	998	.....	.....	.....	.....	1,492,724
Sub-bituminous	554,118	.....	140,196	.....	.....	.....	.....	.....	.....	413,922
Lignite	2,438,414	.....	1,286,502	816	.....	.....	.....	.....	.....	1,151,096
Total	4,718,788	5,921	1,666,839	1,126	1,073	.....	.....	.....	.....	3,057,817
British Columbia—										
Anthracite	.....	.....	.....	.....	2	3,647	.....	6	2	3,657
Bituminous	1,382,272	19,723	97,850	75,295	7,220	18,850	.....	.....	.....	1,254,920
Sub-bituminous	.....	33,035	.....	.....	.....	.....	.....	.....	.....	33,035
Lignite	.....	63,965	.....	6,067	2,098	.....	.....	.....	.....	59,996
Total	1,382,272	116,723	97,850	81,362	9,320	22,497	.....	6	2	1,351,608
Yukon—										
Bituminous	862	.....	.....	.....	7	.....	.....	.....	.....	869
Total	862	.....	.....	.....	7	.....	.....	.....	.....	869
Canada—										
Anthracite	.....	.....	.....	.....	1,429,829	1,605,776	.....	6	2	3,035,613
Bituminous	7,979,283	2,730,734	2,730,734	247,464	8,089,451	338,061	144	.....	.....	16,159,475
Sub-bituminous	554,118	140,196	140,196	.....	.....	.....	.....	.....	.....	554,118
Lignite	3,369,943	1,663,424	1,663,424	11,769	2,707	.....	.....	.....	.....	3,360,881
Total	11,903,344	4,534,354	4,534,354	259,233	9,521,987	1,943,837	144	6	2	23,110,087

* Shipments to any point in Ontario from western mines.

Table 26.—Summary Statistics for 1934—Output, Exports, Interprovincial Shipments, Imports and Coal made Available for Consumption in Canada, by Provinces

(Short tons)

Province	Canadian coal				Imported from U.S.A.	Imported from Great Britain	Imported from Germany	Imported from Belgium	Imported from Newfoundland	Imported from other countries	Coal available for consumption
	Output	Received from other prov.	Shipped to other prov.	Exported							
Prince Edward Island—											
Anthracite	.....	.....	.....	.....	1,153	9,557	.....	.....	.....	.....	10,710
Bituminous	.....	75,688	.....	.....	99	1,992	.....	.....	24	.....	77,803
Total	.....	75,688	.....	.....	1,252	11,549	.....	.....	24	.....	88,513
Nova Scotia—											
Anthracite	.....	.....	.....	.....	11,677	54,962	.....	.....	.....	.....	66,639
Bituminous	6,341,625	165	3,333,420	169,972	678	51,719	.....	.....	.....	.....	2,890,795
Total	6,341,625	165	3,333,420	169,972	12,355	106,681	.....	.....	.....	.....	2,957,434
New Brunswick—											
Anthracite	.....	.....	.....	.....	22,616	79,134	.....	.....	.....	.....	101,750
Bituminous	314,750	365,153	13,793	42,128	23,020	12,789	.....	.....	.....	.....	659,791
Total	314,750	365,153	13,793	42,128	45,636	91,923	.....	.....	.....	.....	761,541
Quebec—											
Anthracite	.....	.....	.....	.....	408,915	1,467,416	72,103	17,557	6	.....	1,965,997
Bituminous	.....	2,884,609	.....	50	659,566	263,357	50	.....	.....	295	3,807,827
Sub-bituminous	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total	.....	2,884,609	.....	50	1,068,481	1,730,773	72,153	17,557	6	295	5,773,824
Central Ontario—											
Anthracite	.....	.....	.....	.....	1,345,746	32,165	.....	.....	.....	.....	1,377,911
Bituminous	.....	26,162	.....	1	8,509,228	.....	.....	.....	.....	.....	8,535,389
Sub-bituminous	.....	*20,357	.....	.....	.....	.....	.....	.....	.....	.....	20,357
Lignite	.....	*32,392	.....	.....	.....	.....	.....	.....	.....	.....	32,392
Total	.....	78,911	.....	1	9,854,974	32,165	.....	.....	.....	.....	9,966,049
Manitoba and Head of Lakes—											
Anthracite	.....	.....	.....	.....	14,020	.....	.....	.....	.....	.....	14,020
Bituminous	.....	213,054	.....	51	739,778	1,506	.....	.....	.....	.....	954,287
Sub-bituminous	.....	70,980	.....	.....	.....	.....	.....	.....	.....	.....	70,980
Lignite	4,113	586,512	.....	1,383	253	.....	.....	.....	.....	.....	589,495
Total	4,113	870,546	.....	1,434	754,051	1,506	.....	.....	.....	.....	1,628,782
Saskatchewan—											
Anthracite	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Bituminous	.....	74,567	.....	29	1,123	112	.....	.....	.....	.....	75,773
Sub-bituminous	.....	14,165	.....	.....	.....	.....	.....	.....	.....	.....	14,165
Lignite	909,288	913,037	381,368	3,025	42	.....	.....	.....	.....	.....	1,437,074
Total	909,288	1,001,769	381,368	3,954	1,165	112	.....	.....	.....	.....	1,527,012
Alberta—											
Anthracite	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Bituminous	1,915,800	10,616	227,262	349	1,302	.....	.....	.....	.....	.....	1,700,107
Sub-bituminous	537,508	.....	132,703	.....	.....	.....	.....	.....	.....	.....	404,805
Lignite	2,300,502	.....	1,204,472	1,014	10	.....	.....	.....	.....	.....	1,095,026
Total	4,753,810	10,616	1,564,437	1,363	1,312	.....	.....	.....	.....	.....	3,199,938
British Columbia—											
Anthracite	.....	.....	.....	.....	.....	282	.....	.....	.....	.....	282
Bituminous	1,485,969	42,899	118,438	82,290	1,928	42	.....	.....	.....	300	1,330,410
Sub-bituminous	.....	27,170	.....	.....	.....	.....	.....	.....	.....	.....	27,170
Lignite	.....	53,899	.....	5,127	2,486	.....	.....	.....	.....	.....	51,258
Total	1,485,969	123,968	118,438	87,417	4,414	324	.....	.....	.....	300	1,409,120
Yukon—											
Bituminous	638	.....	.....	16	37	.....	.....	.....	.....	.....	659
Total	638	.....	.....	16	37	.....	.....	.....	.....	.....	659
Northwest Territories—											
Sub-bituminous	.....	31	.....	.....	.....	.....	.....	.....	.....	.....	31
Total	.....	31	.....	.....	.....	.....	.....	.....	.....	.....	31
Canada—											
Anthracite	.....	.....	.....	.....	1,804,127	1,643,516	72,103	17,557	6	.....	3,537,309
Bituminous	10,058,782	3,692,913	3,692,913	294,886	9,936,759	331,517	50	.....	24	595	20,032,841
Sub-bituminous	537,508	132,703	132,703	.....	.....	.....	.....	.....	.....	.....	537,508
Lignite	3,213,903	1,585,840	1,585,840	11,449	2,791	.....	.....	.....	.....	.....	3,205,245
Total	13,810,193	5,411,456	5,411,456	306,335	11,743,677	1,975,033	72,153	17,557	30	595	27,312,903

* Shipments to any point in Ontario from western mines.

Table 27.—Summary Statistics for 1935—Output, Exports, Interprovincial Shipments, Imports* and Coal made Available for Consumption in Canada, by Provinces

(Short tons)

Province	Canadian coal				Imported from U.S.A.	Imported from Great Britain	Imported from Germany	Imported from Belgium	Imported from French Indo-China	Imported from other countries	Coal available for consumption
	Output	Received from other prov.	Shipped to other prov.	Exported							
Prince Edward Island—											
Anthracite	.....	.....	.....	.....	1,454	3,400	.....	.....	.....	.....	4,854
Bituminous	.....	88,998	.....	100	125	4,142	.....	.....	.....	.....	93,165
Total	.....	88,998	.....	100	1,579	7,542	.....	.....	.....	.....	98,019
Nova Scotia—											
Anthracite	.....	.....	.....	.....	7,370	50,069	3,366	.....	.....	.....	60,805
Bituminous	5,822,075	68	3,232,908	232,597	48	54,506	.....	.....	.....	.....	2,411,192
Total	5,822,075	68	3,232,908	232,597	7,418	104,575	3,366	.....	.....	.....	2,471,997
New Brunswick—											
Anthracite	.....	.....	.....	.....	18,971	49,249	.....	.....	.....	.....	68,220
Bituminous	346,024	497,914	16,200	62,130	11,989	22,809	.....	.....	.....	.....	800,406
Total	346,024	497,914	16,200	62,130	30,960	72,058	.....	.....	.....	.....	868,626
Quebec—											
Anthracite	.....	.....	.....	.....	316,562	1,320,197	201,679	67,220	24,687	.....	1,930,345
Bituminous	.....	2,656,674	†920,970	77	459,761	296,281	.....	.....	.....	341	2,492,010
Sub-bituminous	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total	.....	2,656,674	920,970	77	776,323	1,616,478	201,679	67,220	24,687	341	4,422,355
Central Ontario—											
Anthracite	.....	.....	.....	.....	1,310,721	29,657	.....	.....	29,760	.....	1,370,138
Bituminous	.....	†944,098	.....	108	8,085,024	860	.....	.....	.....	.....	9,029,874
Sub-bituminous	.....	‡23,961	.....	.....	.....	.....	.....	.....	.....	.....	23,961
Lignite	.....	‡42,068	.....	.....	.....	.....	.....	.....	.....	.....	42,068
Total	.....	1,010,127	.....	108	9,395,745	30,517	.....	.....	29,760	.....	10,466,041
Manitoba and Head of Lakes—											
Anthracite	.....	.....	.....	.....	14,926	381	.....	.....	.....	.....	15,307
Bituminous	.....	232,328	.....	213	606,830	931	.....	.....	.....	.....	839,876
Sub-bituminous	.....	69,372	.....	.....	.....	.....	.....	.....	.....	.....	69,372
Lignite	3,106	639,264	.....	390	396	.....	.....	.....	.....	.....	642,376
Total	3,106	940,964	.....	603	622,152	1,312	.....	.....	.....	.....	1,566,931
Saskatchewan—											
Anthracite	.....	.....	.....	.....	49	.....	.....	.....	.....	.....	49
Bituminous	.....	68,754	.....	263	952	.....	.....	.....	.....	.....	69,443
Sub-bituminous	.....	16,005	.....	.....	.....	.....	.....	.....	.....	.....	16,005
Lignite	921,785	1,049,298	408,836	3,130	182	.....	.....	.....	.....	.....	1,559,299
Total	921,785	1,134,057	408,836	3,393	1,183	.....	.....	.....	.....	.....	1,644,796
Alberta—											
Anthracite	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Bituminous	2,248,620	11,261	303,462	438	1,136	.....	.....	.....	.....	.....	1,957,117
Sub-bituminous	566,425	.....	149,065	.....	.....	.....	.....	.....	.....	.....	417,360
Lignite	2,647,849	.....	1,392,657	1,110	39	.....	.....	.....	.....	.....	1,254,121
Total	5,462,894	11,261	1,845,184	1,548	1,175	.....	.....	.....	.....	.....	3,628,598
British Columbia—											
Anthracite	.....	.....	.....	.....	32	1,568	.....	.....	.....	.....	1,600
Bituminous	1,331,287	104,060	130,615	111,822	2,543	1,116	.....	.....	.....	43	1,196,612
Sub-bituminous	.....	39,727	.....	.....	.....	.....	.....	.....	.....	.....	39,727
Lignite	.....	70,863	.....	5,985	4,629	.....	.....	.....	.....	.....	69,507
Total	1,331,287	214,650	130,615	117,807	7,204	2,684	.....	.....	.....	43	1,307,446
Yukon—											
Bituminous	835	.....	.....	28	20	.....	.....	.....	.....	.....	827
Total	835	.....	.....	28	20	.....	.....	.....	.....	.....	827
Canada—											
Anthracite	.....	.....	.....	.....	1,670,085	1,454,521	205,045	67,220	54,447	.....	3,451,318
Bituminous	9,748,841	4,604,155	4,604,155	407,776	9,168,428	380,645	.....	.....	.....	384	18,890,522
Sub-bituminous	566,425	149,065	149,065	.....	.....	.....	.....	.....	.....	.....	566,425
Lignite	3,572,740	1,801,493	1,801,493	10,615	5,246	.....	.....	.....	.....	.....	3,567,371
Total	**13,888,006**	**6,554,713**	**6,554,713**	**418,391**	**10,843,759**	**1,835,166**	**205,045**	**67,220**	**54,447**	**384**	**26,475,636**

*Direct imports into each province. See text for interprovincial shipments of imported coal.
†Nova Scotia coal. ‡Shipments to any point in Ontario from western mines.

Table 28.—Summary Statistics for 1936—Output, Exports, Interprovincial Shipments, Imports* and Coal made Available for Consumption in Canada, by Provinces

(Short tons)

Province	Canadian coal				Imported from U.S.A.	Imported from Great Britain	Imported from Germany	Imported from Belgium	Imported from French Indo-China	Imported from Other countries	Coal available for consumption
	Output	Received from other provinces	Shipped to other provinces	Exported							
Prince Edward Island—											
Anthracite	.....	.....	.....	.....	1,479	5,224	.....	.....	.....	.....	6,703
Bituminous	.....	82,559	.....	5	111	5,576	.....	.....	.....	.....	88,241
Total	.....	82,559	.....	5	1,590	10,800	.....	.....	.....	.....	94,944
Nova Scotia—											
Anthracite	.....	.....	.....	.....	7,534	43,628	4,041	.....	.....	.....	55,203
Bituminous	6,649,102	.....	3,861,460	202,503	2	40,940	2,321	.....	.....	.....	2,628,402
Total	6,649,102	.....	3,861,460	202,503	7,536	84,568	6,362	.....	.....	.....	2,683,605
New Brunswick—											
Anthracite	.....	.....	.....	.....	15,079	73,539	.....	.....	.....	.....	88,618
Bituminous	368,618	527,678	24,312	74,603	16,854	22,253	.....	.....	.....	.....	836,488
Total	368,618	527,678	24,312	74,603	31,933	95,792	.....	.....	.....	.....	925,106
Quebec—											
Anthracite	.....	.....	.....	.....	261,645	1,159,532	355,952	44,543	88,702	8,951	1,919,325
Bituminous	.....	3,241,150	1,011,511	18	645,006	77,670	7,100	.....	.....	985	2,960,382
Sub-bituminous	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total	.....	3,241,150	1,011,511	18	906,651	1,237,202	363,052	44,543	88,702	9,936	4,879,707
Central Ontario—											
Anthracite	.....	.....	.....	.....	1,377,965	51,503	.....	.....	.....	7,280	1,436,748
Bituminous	.....	1,050,490	.....	27	8,516,579	.....	.....	.....	.....	.....	9,567,042
Sub-bituminous	.....	21,846	.....	.....	.....	.....	.....	.....	.....	.....	21,846
Lignite	.....	49,748	.....	84	.....	.....	.....	.....	.....	.....	49,664
Total	.....	1,122,084	.....	111	9,894,544	51,503	.....	.....	.....	7,280	11,075,300
Manitoba and Head of Lakes—											
Anthracite	.....	.....	.....	.....	22,058	176	.....	.....	.....	.....	22,234
Bituminous	.....	260,813	.....	575	858,661	619	.....	.....	.....	.....	1,119,518
Sub-bituminous	.....	76,449	.....	.....	.....	.....	.....	.....	.....	.....	76,449
Lignite	4,029	665,635	.....	545	168	.....	.....	.....	.....	.....	669,287
Total	4,029	1,002,897	.....	1,120	880,887	795	.....	.....	.....	.....	1,887,488
Saskatchewan—											
Anthracite	.....	.....	.....	.....	58	.....	.....	.....	.....	.....	58
Bituminous	.....	72,450	.....	398	847	.....	.....	.....	.....	.....	72,899
Sub-bituminous	.....	20,756	.....	.....	.....	.....	.....	.....	.....	.....	20,756
Lignite	1,020,792	1,159,754	443,013	3,360	20	.....	.....	.....	.....	.....	1,734,193
Total	1,020,792	1,252,960	443,013	3,758	925	.....	.....	.....	.....	.....	1,827,906
Alberta—											
Anthracite	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Bituminous	2,288,734	11,424	338,095	666	1,205	.....	.....	.....	.....	.....	1,962,602
Sub-bituminous	566,235	.....	157,891	.....	.....	.....	.....	.....	.....	.....	408,344
Lignite	2,841,991	.....	1,507,221	1,353	33	.....	.....	.....	.....	.....	1,333,450
Total	5,696,960	11,424	2,003,207	2,019	1,238	.....	.....	.....	.....	.....	3,704,396
British Columbia—											
Anthracite	.....	.....	.....	.....	30	.....	1	.....	.....	1,120	1,151
Bituminous	1,489,171	131,009	142,195	122,334	2,801	662	.....	.....	.....	.....	1,359,114
Sub-bituminous	.....	38,840	.....	.....	.....	.....	.....	.....	.....	.....	38,840
Lignite	.....	75,097	.....	5,102	4,652	.....	.....	.....	.....	.....	74,647
Total	1,489,171	244,946	142,195	127,436	7,483	662	1	.....	.....	1,120	1,473,752
Yukon—											
Bituminous	510	.....	.....	1	61	.....	.....	.....	.....	.....	570
Total	510	.....	.....	1	61	.....	.....	.....	.....	.....	570
Canada—											
Anthracite	.....	.....	.....	.....	1,685,848	1,333,602	359,994	44,543	88,702	17,351	3,530,040
Bituminous	10,796,135	4,366,062	4,366,062	401,130	10,042,127	147,720	9,421	.....	.....	985	20,595,258
Sub-bituminous	566,235	157,891	157,891	.....	.....	.....	.....	.....	.....	.....	566,235
Lignite	3,866,812	1,950,234	1,950,234	10,444	4,873	.....	.....	.....	.....	.....	3,861,241
Total	**15,229,182**	**6,474,187**	**6,474,187**	**411,574**	**11,732,848**	**1,481,322**	**369,415**	**44,543**	**88,702**	**18,336**	**28,552,774**

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

Table 29.—Summary Statistics for 1937—Output, Exports, Interprovincial Shipments, Imports* and Coal made Available for Consumption in Canada, by Provinces

(Short tons)

Province	Canadian coal				Imported from U.S.A.	Imported from Great Britain	Imported from Germany	Imported from Belgium	Imported from Russia	Imported from other countries	Coal available for consumption
	Output	Received from other prov.	Shipped to other prov.	Exported							
Prince Edward Island—											
Anthracite	.....	.....	.....	.....	1,153	1,894	4,027	.....	.....	.....	7,074
Bituminous	.....	80,017	.....	11	2,509	4,440	.....	.....	.....	.....	86,955
Total	.....	80,017	.....	11	3,662	6,334	4,027	.....	.....	.....	94,029
Nova Scotia—											
Anthracite	.....	.....	.....	.....	8,606	51,962	13,169	.....	.....	.....	73,737
Bituminous	7,256,954	322	4,149,198	119,382	2,773	32,321	6,955	.....	.....	.....	3,030,745
Total	7,256,954	322	4,149,198	119,382	11,379	84,283	20,124	.....	.....	.....	3,104,482
New Brunswick—											
Anthracite	.....	.....	.....	.....	20,352	72,351	4,927	.....	.....	.....	97,630
Bituminous	364,714	627,725	44,131	84,942	13,768	14,862	.....	.....	.....	.....	891,996
Total	364,714	627,725	44,131	84,942	34,120	87,213	4,927	.....	.....	.....	989,626
Quebec—											
Anthracite	.....	.....	.....	.....	355,734	981,982	251,500	8,131	160,889	78	1,758,314
Bituminous	.....	3,374,558	†1104383	75	1,139,641	3,731	38,382	.....	.....	313	3,452,167
Total	.....	3,374,558	†1104383	75	1,495,375	985,713	289,882	8,131	160,889	391	5,210,481
Central Ontario—											
Anthracite	.....	.....	.....	.....	1,581,981	26,607	73	.....	.....	.....	1,608,661
Bituminous	.....	1,224,168	.....	1	10,215,504	52	8,724	.....	.....	.....	11,448,447
Sub-bituminous	.....	18,367	.....	.....	.....	.....	.....	.....	.....	.....	18,367
Lignite	.....	45,095	.....	.....	.....	.....	.....	.....	.....	.....	45,095
Total	.....	1,287,630	.....	1	11,797,485	26,659	8,797	.....	.....	.....	13,120,570
Manitoba and Head of Lakes—											
Anthracite	.....	.....	.....	.....	26,632	59	.....	.....	.....	.....	26,691
Bituminous	.....	230,943	.....	657	960,167	667	.....	.....	.....	.....	1,191,120
Sub-bituminous	.....	71,936	.....	.....	.....	.....	.....	.....	.....	.....	71,936
Lignite	3,172	698,227	.....	237	124	.....	.....	.....	.....	.....	701,286
Total	3,172	1,001,106	.....	894	986,923	726	.....	.....	.....	.....	1,991,033
Saskatchewan—											
Anthracite	.....	.....	.....	.....	66	.....	.....	.....	.....	.....	66
Bituminous	.....	59,453	.....	253	743	.....	.....	.....	.....	.....	59,943
Sub-bituminous	.....	17,788	.....	.....	.....	.....	.....	.....	.....	.....	17,788
Lignite	1,049,348	1,018,253	491,273	1,950	125	.....	.....	.....	.....	.....	1,574,503
Total	1,049,348	1,095,494	491,273	2,203	934	.....	.....	.....	.....	.....	1,652,300
Alberta—											
Anthracite	.....	.....	.....	.....	34	.....	.....	.....	.....	.....	34
Bituminous	2,413,784	11,384	353,938	565	1,293	.....	.....	.....	.....	.....	2,071,958
Sub-bituminous	506,260	.....	155,239	.....	.....	.....	.....	.....	.....	.....	351,021
Lignite	2,642,795	.....	1,348,093	1,556	28	.....	.....	.....	.....	.....	1,293,174
Total	5,562,839	11,384	1,857,270	2,121	1,355	.....	.....	.....	.....	.....	3,716,187
British Columbia—											
Anthracite	.....	.....	.....	.....	61	.....	.....	.....	.....	.....	61
Bituminous	1,598,843	144,429	101,349	139,540	2,477	.....	.....	.....	.....	.....	1,504,860
Sub-bituminous	.....	47,066	.....	.....	.....	.....	.....	.....	.....	.....	47,066
Lignite	.....	77,791	.....	6,099	1,217	.....	.....	.....	.....	.....	72,909
Total	1,598,843	269,286	101,349	145,639	3,755	.....	.....	.....	.....	.....	1,624,896
Yukon—											
Bituminous	84	.....	.....	.....	63	.....	.....	.....	.....	.....	147
Total	84	.....	.....	.....	63	.....	.....	.....	.....	.....	147
Northwest Territories—											
Sub-bituminous	.....	82	.....	.....	.....	.....	.....	.....	.....	.....	82
Total	.....	82	.....	.....	.....	.....	.....	.....	.....	.....	82
Canada—											
Anthracite	.....	.....	.....	.....	1,994,619	1,134,855	273,696	8,131	160,889	78	3,572,268
Bituminous	11,634,379	4,648,616	4,648,616	345,426	12,338,938	56,073	54,061	.....	.....	313	23,738,338
Sub-bituminous	506,260	155,239	155,239	.....	.....	.....	.....	.....	.....	.....	506,260
Lignite	3,695,315	1,839,366	1,839,366	9,842	1,494	.....	.....	.....	.....	.....	3,686,967
Total	**15,835,954**	**6,643,221**	**6,643,221**	**355,268**	**14,335,051**	**1,190,928**	**327,757**	**8,131**	**160,889**	**391**	**31,503,833**

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

Table 30.—Coal Made Available for Consumption in Canada, 1936 and 1937

(Short tons)

Month	1936				1937			
	Output	Imports	Exports	Coal made available for use	Output	Imports	Exports	Coal made available for use
January	1,391,288	452,678	40,727	1,803,239	1,499,326	574,877	46,735	2,027,468
February	1,492,431	530,842	26,836	1,996,437	1,286,374	486,528	27,253	1,745,649
March	1,028,417	506,260	40,782	1,493,895	1,110,599	623,071	40,848	1,692,822
April	937,740	491,146	14,765	1,414,121	989,653	916,062	14,065	1,891,650
May	999,754	1,361,598	23,664	2,337,688	1,078,603	1,702,528	19,215	2,761,916
June	1,038,224	1,675,047	32,639	2,680,632	1,073,670	1,944,920	33,993	2,984,597
July	1,064,843	1,416,455	30,182	2,451,116	1,145,334	1,893,942	20,690	3,018,586
August	1,056,032	1,539,189	33,689	2,561,532	1,241,948	1,776,998	32,105	2,986,841
September	1,448,051	1,394,911	34,374	2,808,588	1,421,383	1,630,250	31,553	3,020,080
October	1,808,166	1,633,744	36,522	3,405,388	1,712,369	1,837,501	32,997	3,516,873
November	1,467,155	1,598,631	47,652	3,018,134	1,669,747	1,862,390	26,413	3,505,724
December	1,497,081	1,134,665	49,742	2,582,004	1,606,948	774,080	29,401	2,351,627
Total	**15,229,182**	**13,735,166**	**411,574**	**28,552,774**	**15,835,954**	**16,023,147**	**355,268**	**31,503,833**

Table 31.—Annual Consumption of Coal in Canada, 1902-1937

Calendar year	Canadian*		Imported coal "entered for consumption"				Total	Per capita
			From U.S.A.	From Great Britain	Total†			
	Short tons	%	Short tons	Short tons	Short tons	%	Short tons	
1902	5,376,413	53·1	4,656,286	101,726	4,734,559	46·9	10,110,972	1·840
1903	6,005,735	47·3	6,520,931	184,593	6,678,450	52·7	12,684,185	2·245
1904	6,697,183	47·9	7,238,869	85,687	7,297,482	52·1	13,994,665	2·402
1905	7,032,661	49·4	7,233,738	68,500	7,215,446	50·6	14,248,107	2·374
1906	7,927,560	50·5	7,787,338	67,014	7,758,325	49·5	15,685,885	2·573
1907	8,617,352	45·0	10,588,697	54,325	10,549,503	55·0	19,166,855	2·990
1908	9,156,478	47·3	10,203,335	97,514	10,195,424	52·7	19,351,902	2·921
1909	8,913,376	47·9	9,805,253	67,671	9,711,826	52·1	18,625,202	2·739
1910	10,532,103	50·2	10,545,451	51,541	10,438,123	49·8	20,970,226	3·001
1911	9,822,749	40·5	14,510,126	48,963	14,424,949	59·5	24,247,698	3·364
1912	12,385,696	46·0	14,557,124	38,668	14,549,104	54·0	26,934,800	3·645
1913	13,450,158	42·6	18,145,769	37,825	18,132,387	57·4	31,582,545	4·138
1914	12,214,403	45·5	14,687,853	33,101	14,637,920	54·5	26,852,323	3·408
1915	11,500,480	48·1	12,450,796	15,098	12,406,212	51·9	23,906,692	2·995
1916	12,348,036	41·3	17,576,202	4,401	17,517,820	58·7	29,865,856	3·733
1917	12,313,603	37·2	20,848,009	9,451	20,810,132	62·8	33,123,735	4·110
1918	13,160,731	37·8	21,674,826	3,761	21,611,101	62·2	34,771,832	4·268
1919	11,611,168	40·3	17,292,913	344	17,236,269	59·7	28,847,437	3·471
1920	14,025,566	42·9	18,752,981	.....	18,668,741	57·1	32,694,307	3·821
1921	12,715,734	41·1	18,300,081	1,591	18,258,387	58·9	30,974,121	3·525
1922	13,044,352	50·2	12,255,555	765,980	12,962,189	49·8	26,006,541	2·916
1923	15,070,962	41·8	20,417,239	572,570	20,967,971	58·2	36,038,933	4·000
1924	12,529,358	42·8	16,405,344	317,112	16,714,143	57·2	29,243,501	3·198
1925	12,125,290	42·6	15,744,957	604,117	16,331,971	57·4	28,457,261	3·062
1926	15,086,290	47·7	16,204,405	287,299	16,565,555	52·3	31,651,851	3·349
1927	15,944,983	46·7	17,266,434	907,220	18,177,303	53·3	34,122,286	3·541
1928	16,487,807	50·0	15,830,688	682,755	16,515,582	50·0	33,003,389	3·356
1929	16,387,461	48·0	16,780,452	843,502	17,724,132	52·0	34,111,593	3·401
1930	14,052,671	43·3	16,971,933	1,144,861	18,412,039	56·7	32,464,710	3·180
1931	11,682,779	47·7	11,793,798	987,442	12,828,327	52·3	24,511,106	2·362
1932	11,212,701	49·0	9,889,866	1,727,716	11,654,492	51·0	22,867,193	2·177
1933	11,456,273	51·5	8,865,935	1,942,875	10,808,962	48·5	22,265,235	2·085
1934	13,236,406	51·1	10,580,719	1,981,116	12,651,168	48·9	25,887,574	2·392
1935	13,306,303	53·1	9,618,518	1,822,500	11,735,835	46·9	25,042,138	2·290
1936	14,508,652	53·3	10,801,643	1,498,656	12,719,515	46·7	27,228,167	2·469
1937	15,172,729	51·5	12,574,574	1,211,052	14,268,585	48·5	29,441,314	2·648

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

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

Table 32.—Coke made Available for Consumption in Canada, with the Coal Equivalent of the Imported Coke, 1902-1937

Year	Output	Imports	*Exports	Coke made available for consumption	Coal equivalent of imported coke†	
	Tons	Tons	Tons	Tons	Tons	Tons per capita
1902	502,043	266,140	62,568	705,615	409,446	·075
1903	561,318	258,703	32,608	787,413	398,004	·069
1904	554,083	239,310	102,463	690,930	368,169	·063
1905	700,488	470,486	116,071	1,054,903	723,824	·119
1906	782,055	501,942	37,003	1,246,994	772,218	·122
1907	842,003	624,649	70,617	1,396,035	960,997	·147
1908	858,257	426,971	58,708	1,226,520	656,878	·096
1909	862,011	661,425	74,067	1,449,369	1,017,576	·146
1910	902,715	737,088	57,971	1,581,832	1,133,980	·160
1911	935,651	751,389	9,852	1,677,188	1,155,982	·160
1912	1,411,229	628,174	57,744	1,981,659	966,420	·132
1913	1,530,499	723,906	68,235	2,186,170	1,113,700	·147
1914	1,023,860	553,046	67,838	1,509,068	850,839	·110
1915	1,170,473	637,857	35,869	1,772,461	981,317	·126
1916	1,469,741	757,116	48,539	2,178,318	1,164,793	·144
1917	1,245,862	970,106	23,595	2,192,373	1,492,499	·182
1918	1,250,744	1,165,590	29,612	2,386,722	1,793,213	·215
1919	1,675,032	383,374	14,709	2,043,697	589,805	·069
1920	1,708,205	586,406	39,536	2,255,073	902,162	·104
1921	1,463,999	228,030	20,907	1,671,122	350,815	·039
1922	1,232,646	336,270	19,831	1,549,085	517,338	·058
1923	1,668,298	733,604	34,407	2,367,495	1,128,620	·125
1924	1,436,912	521,725	23,144	1,935,493	802,653	·087
1925	1,546,739	852,427	25,578	2,373,588	1,311,405	·141
1926	2,027,058	988,034	41,699	2,973,393	1,520,051	·161
1927	2,026,438	772,235	74,109	2,724,564	1,188,053	·123
1928	2,314,127	1,060,029	25,058	3,349,098	1,630,812	·168
1929	2,677,581	1,226,853	25,208	3,879,226	1,887,464	·193
1930	2,385,994	1,061,040	29,801	3,417,233	1,632,368	·164
1931	1,832,700	733,274	20,905	2,545,069	1,128,113	·109
1932	1,637,701	651,802	15,469	2,274,034	1,002,771	·095
1933	1,772,164	644,075	5,199	2,411,040	990,884	·093
1934	2,243,420	930,221	7,396	3,166,245	1,431,108	·132
1935	2,257,604	532,926	20,649	2,769,881	819,885	·075
1936	2,404,793	612,858	18,215	2,999,436	942,858	·085
1937	2,570,385	417,733	36,959	2,951,159	642,666	·058

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

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

(Thousands of short tons)

—	Coal					Coke from coal	Natural Gas (b)	Fuel and Gas Oils (c)	Gasoline Sales (d)	Kerosene (e)	Water Power	
	Anthracite Imported*	Bituminous		Lignite								
		Canadian†	Imported*‡	Canadian†	Imported*	Imported *(a)					Equivalent	Pounds of coal per kilowatt hour (f)
1927	4,108	12,188	14,059	3,757	11	772	855	2,314	2,104	360	12,968	1·84
1928	3,749	12,709	12,756	3,799	11	1,060	903	2,667	2,797	367	13,821	1·76
1929	4,020	12,485	13,690	3,902	14	1,227	1,135	3,205	3,475	328	14,620	1·69
1930	4,256	10,649	14,137	3,404	19	1,061	1,175	3,189	3,366	295	14,219	1·62
1931	3,162	8,822	9,660	2,861	6	668	1,035	2,996	3,219	291	12,461	1·55
1932	3,149	7,806	8,503	3,407	3	611	937	2,837	2,896	341	11,667	1·50
1933	3,016	8,128	7,791	3,328	3	589	926	3,012	2,803	265	12,670	1·47
1934	3,501	10,051	9,148	3,185	3	810	926	3,176	3,091	267	15,289	1·47
1935	3,443	9,783	8,288	3,523	5	633	996	3,228	3,316	194	16,801	1·46
1936	3,419	10,683	9,296	3,826	5	642	1,125	3,259	3,608	195	18,210	1·46
1937	3,488	11,515	10,779	3,658	1	472	1,288	3,734	4,154	167	18,479	1·43

*Entered for consumption.
†Sum of sales by Canadian coal mines, colliery consumption, coal supplied to employees and coal used in making coke, etc., less the tonnage exported.
‡Deductions have been made to take account of foreign coal re-exported from Canada and bituminous coal ex-warehoused for ships' stores.
(a) Tonnage imported into Canada "Entered for consumption". Based on 1 ton=13,000 B.T.U.
(b) Based on 1 ton of coal=25 M cu. ft. of natural gas.
(c) Based on 1 ton of coal=151 imperial gallons of fuel and gas oils.
(d) Based on 1 ton of coal=173 imperial gallons of gasoline.
(e) Based on 1 ton of coal=160 imperial gallons of kerosene.
(f) Based on the United States average as reported by the Edison Electric Institute.

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

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

—	Rough Average B.T.U. Values per Pound*	B.T.U. per Imperial Gallon
British Anthracite—		
Welsh	14,300	.....
Scotch	14,000	.....
Other (European and Asiatic) Anthracites—		
Westphalian	14,300	.....
Belgian	14,300	.....
Russian	13,500	.....
French Indo-China	13,200	.....
American (U.S.A.) Anthracites—		
Pennsylvania (stove size)	13,200	.....
Pennsylvania (buckwheat)	12,900	.....
U.S.A. Bituminous Coal—		
First Grade—7% Ash (for coke making)	14,000	.....
Second Grade—10% Ash (for steam raising)	13,000	.....
Canadian Coals—		
Bituminous, 1st grade } Maritime Provinces, British Columbia and Alberta	14,000	.....
Bituminous, 2nd grade } Maritime Provinces, British Columbia and Alberta	13,000	.....
Bituminous, 3rd grade } Maritime Provinces, British Columbia and Alberta	11,000 to 12,000	.....
Sub-bituminous—Alberta and British Columbia	10,000 to 11,500	.....
Lignite-Domestic—Alberta and British Columbia	7,500 to 10,000	.....
Lignite—Saskatchewan	6,500 to 7,500	.....
Fuel Oil—		
Industrial 0·933 Specific gravity	19,000	177,500
Kerosene—Stove Oil—0·819 Specific gravity	19,800	162,000
Light Furnace Oil—0·855 Specific gravity	19,550	167,000
Gasoline (average for Canada), 0·740 Specific gravity	20,250	150,000

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

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

(Compiled in the Transportation Branch)

Year	Gross Ton Miles	Tons of Fuel Consumed (Freight and Mixed Trains)	Gross Ton Miles per Ton of Fuel*
1927	88,351,365,594	5,803,713	15,223
1928	101,979,507,167	6,446,442	15,820
1929	89,986,014,723	5,777,670	15,575
1930	77,579,074,012	4 846,629	16,007
1931	66,880,820,445	4,104,608	16,294
1932	58,927,616,843	3,641,030	16,184
1933	54,352,628,483	3,394,803	16,011
1934	62,070,905,065	3,847,166	16,134
1935	63,983,126,743	3,903,540	16,391
1936	70,218,463,065	4,151,667	16,913
1937	73,033,795,806	4,285,395	17,042

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

Table 36.—Annual Consumption of Coal by Railroad Locomotives in Canada, 1911-1937

(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
1930	7,062	33,249	8,251,167	36,292,562	8,258,229	36,325,811
1931	3,336	14,763	6,858,772	29,691,134	6,862,108	29,705,897
1932	1,934	7,578	5,955,085	25,101,489	5,957,019	25,109,067
1933	1,665	6,490	5,521,052	22,145,931	5,522,717	22,152,421
1934	1,625	6,702	6,109,367	25,589,597	6,110,992	25,596,299
1935	1,544	6,417	6,144,550	26,333,312	6,146,094	26,339,729
1936	1,790	8,627	6,584,233	28,153,451	6,586,023	28,162,078
1937	1,503	10,604	6,766,955	29,350,076	6,768,458	29,360,680

Table 37.—Average Price per Short Ton of Canadian Coal at the Mines, by Grades, for each District and Province, 1937

District	Run-of-Mine		Lump		Egg		Nut		Pea		Slack	
	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
	$	$	$	$	$	$	$	$	$	$	$	$
Nova Scotia—												
Cape Breton	3·65	3·13	3·95	3·34	.....	.....	4·57	4·01	3·75	3·25	2·76	2·28
Cumberland	4·20	3·47	5·03	4·15	5·56	4·64	5·79	4·53	.....	.....	3·05	2·43
Inverness	3·86	3·26	4·80	3·88	.....	.....	4·50	4·50	.....	.....	2·13	1·50
Pictou	4·58	3·96	5·53	4·37	.....	.....	6·00	5·25	.....	.....	3·45	2·75
Average	4·03	3·42	4·79	3·92	5·55	4·64	5·09	4·46	3·75	3·25	2·90	2·31
New Brunswick	3·46	3·01	4·10	3·79	.....	.....	3·57	3·23	.....	.....	3·17	2·51
Manitoba	.....	.....	2·65	2·55	.....	.....	.....	.....	.....	.....	1·55	1·55
Saskatchewan	1·91	1·85	1·79	1·62	1·62	1·42	1·34	1·14	1·25	1·10	1·01	0·93
Alberta—												
Bituminous—												
Cascade	4·75	3·50	5·58	4·63	4·50	4·50	4·00	3·63	3·75	3·20	3·25	2·50
Crowsnest	3·13	2·69	3·86	3·67	.....	.....	3·70	3·13	.....	.....	2·32	1·72
Mountain Park	3·37	2·69	4·08	3·68	.....	.....	.....	.....	.....	.....	2·70	2·17
Nordegg	3·20	2·20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Average bituminous	3·32	2·71	4·15	3·81	4·50	4·50	3·79	3·27	3·75	3·20	2·48	1·88
Sub-bituminous—												
Coalspur	2·95	2·83	3·69	3·25	3·81	3·50	2·19	1·89	1·71	1·46	1·08	1·04
Morley	2·75	2·75	3·00	3·00	.....	.....	.....	.....	.....	.....	1·00	1·00
Pekisko	2·71	2·40	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pincher	3·00	3·00	3·50	3·50	.....	.....	2·50	2·50	2·00	2·00	.....	.....
Prairie Creek	3·00	2·75	4·25	3·50	4·25	4·00	2·50	1·90	.....	.....	1·25	1·15
Saunders	4·25	4·00	5·03	4·40	4·50	3·75	2·93	2·25	.....	.....	1·83	1·43
Average sub-bituminous	2·82	2·61	3·85	3·50	5·46	3·63	2·43	2·09	1·77	1·57	1·26	1·13
Lignite—												
Ardley	2·79	2·04	3·35	2·75	2·75	2·50	2·50	2·25	.....	.....	1·50	0·75
Big Valley	2·34	2·20	2·50	2·50	.....	.....	1·00	1·00	.....	.....	.....	.....
Brooks	1·50	1·50	3·00	2·10	2·00	2·00	.....	.....	.....	.....	1·00	0·50
Camrose	1·98	1·82	2·81	2·46	2·00	1·70	1·98	1·04	.....	.....	0·78	0·40
Carbon	2·25	2·13	2·88	2·38	2·86	1·35	1·35	1·06	1·25	1·13	0·77	0·56
Castor	1·65	1·54	2·01	1·88	.....	.....	1·13	1·13	.....	.....	.....	.....
Champion	.....	.....	2·89	2·72	.....	.....	1·58	1·25	.....	.....	.....	.....
Drumheller	2·39	2·17	3·64	2·86	2·61	2·19	2·33	1·63	1·38	1·12	0·82	0·57
Edmonton	2·47	2·14	3·06	2·68	2·28	1·98	1·75	1·41	1·38	1·18	0·73	0·56
Gleichen	2·31	2·13	2·60	2·50	.....	.....	1·75	1·75	.....	.....	.....	.....
Halcourt	4·00	3·63	4·44	4·06	.....	.....	.....	.....	.....	.....	1·00	1·00
Lethbridge	2·66	2·16	3·05	2·89	2·70	2·58	2·04	1·99	1·65	1·38	0·56	0·46
Magrath	2·50	2·50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Milk River	2·75	2·75	3·50	3·50	.....	.....	.....	.....	.....	.....	.....	.....
Pakan	2·75	2·75	2·75	2·50	.....	.....	2·25	2·00	.....	.....	1·00	0·75
Pakowki	2·50	2·50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pembina	2·37	2·03	2·63	2·38	2·25	1·40	2·00	1·60	1·50	1·35	0·75	0·63
Redcliff	2·00	2·00	2·75	2·45	2·50	2·00	.....	.....	1·00	1·00	0·48	0·48
Rochester	3·00	3·00	.....	.....	.....	.....	.....	.....	.....	.....	0·50	0·50
Sexsmith	2·00	2·00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sheerness	1·85	1·73	1·88	1·69	.....	.....	1·00	1·00	.....	.....	0·75	0·60
Taber	2·50	2·25	2·80	2·41	.....	.....	2·00	1·68	.....	.....	.....	.....
Tofield	1·68	1·58	2·00	1·92	1·45	1·35	1·00	1·00	.....	.....	.....	.....
Wetaskiwin	2·25	2·25	2·42	2·33	1·50	1·50	1·50	1·50	.....	.....	0·25	0·25
Whitecourt	2·75	2·50	.....	.....	.....	.....	.....	.....	.....	.....	0·75	0·50
Area not designated	2·00	2·00	2·90	2·83	.....	.....	1·80	1·64	.....	.....	0·53	0·53
Average lignite	2·20	2·02	3·03	2·64	2·43	1·99	1·85	1·48	1·38	1·16	0·74	0·55
Average for Alberta	2·36	2·14	3·20	2·82	2·81	2·22	2·05	1·68	1·54	1·31	0·99	0·75
British Columbia—												
Crow's Nest Pass	3·75	2·90	5·00	4·25	.....	.....	3·75	2·75	.....	.....	2·75	1·90
Inland	4·02	3·96	4·61	4·19	4·25	3·97	3·55	3·26	2·54	1·95	2·19	1·38
Island	4·28	4·28	5·65	5·26	6·03	5·42	4·48	4·10	4·06	3·38	2·79	2·10
Average	4·06	3·90	5·07	4·64	4·84	4·45	4·03	3·64	3·23	2·60	2·57	1·82
Yukon	.....	.....	.....	.....	.....	.....	10·00	10·00	.....	.....	.....	.....
Canada	**2·41**	**2·20**	**2·29**	**2·02**	**3·09**	**2·54**	**2·35**	**1·99**	**2·05**	**1·71**	**1·39**	**1·09**

Table 38.—Yearly Average Retail Prices of Coal in Canada, by Principal Municipalities, 1935-1937

(Compiled in the *Internal Trade Branch*)

Province and municipality	Anthracite			Bituminous		
	1935	1936	1937	1935	1936	1937
	$	$	$	$	$	$
Prince Edward Island—						
Charlottetown	.....	.....	.....	8·98	8·91	8·68
Nova Scotia—						
Amherst	.....	.....	.....	8·09	7·87	7·87
Halifax	.....	.....	.....	10·15	9·92	9·88
Truro	.....	.....	.....	9·04	9·00	9·00
New Brunswick—						
Bathurst	.....	.....	.....	9·25	9·25	.....
Fredericton	.....	.....	.....	10·00	9·83	10·05
Moncton	.....	.....	.....	10·26	10·17	10·00
St. John	.....	.....	.....	11·15	11·02	10·59
Quebec—						
Hull	15·10	14·96	14·54	.....	.....	.....
Montreal	13·80	13·48	13·55	.....	.....	.....
Quebec	13·92	13·35	13·33	.....	.....	.....
St. Hyacinthe	12·98	13·01	13·23	.....	.....	.....
St. Johns	13·75	13·71	13·08	.....	.....	.....
Sherbrooke	14·78	15·27	14·68	.....	.....	.....
Sorel	13·16	12·59	12·50	.....	.....	.....
Three Rivers	13·67	13·96	14·05	.....	.....	.....
Ontario—						
Belleville	13·70	13·93	13·79	.....	.....	.....
Brantford	13·88	13·85	13·37	.....	.....	.....
Brockville	14·21	14·00	13·50	.....	.....	.....
Chatham	14·60	14·54	14·81	.....	.....	.....
Fort William	15·62	14·95	15·08	.....	.....	.....
Galt	14·12	14·36	13·98	.....	.....	.....
Guelph	13·92	14·39	13·79	.....	.....	.....
Hamilton	12·96	13·54	13·04	.....	.....	.....
Kingston	14·50	14·00	14·00	.....	.....	.....
Kitchener	14·33	14·54	13·67	.....	.....	.....
London	14·67	14·54	14·10	.....	.....	.....
Niagara Falls	12·82	12·88	12·59	.....	.....	.....
Orillia	14·62	14·79	14·48	.....	.....	.....
Ottawa	14·92	14·96	14·54	.....	.....	.....
Owen Sound	14·81	14·87	14·38	.....	.....	.....
Peterborough	14·58	14·82	14·21	.....	.....	.....
Port Arthur	15·60	14·94	15·08	.....	.....	.....
St. Catharines	13·69	13·66	13·27	.....	.....	.....
St. Thomas	13·94	14·19	13·71	.....	.....	.....
Sault Ste. Marie	14·46	14·21	14·00	.....	.....	.....
Stratford	13·87	14·17	13·71	.....	.....	.....
Toronto	13·67	13·79	12·74	.....	.....	.....
Windsor	14·08	14·67	13·83	.....	.....	.....
Woodstock	13·62	13·96	13·12	.....	.....	.....
Manitoba—						
Brandon	.....	.....	.....	10·60	10·48	10·50
Winnipeg	.....	.....	.....	11·35	11·40	11·50
Saskatchewan—						
Moose Jaw	.....	.....	.....	8·31	8·42	8 60
Prince Albert	.....	.....	.....	9·00	9·00	9·00
Regina	.....	.....	.....	9·55	9·70	9·75
Saskatoon	.....	.....	.....	8·56	8·75	8·84
Alberta—						
Calgary...Drumheller lump	.....	.....	.....	7·00	7·00	7·00
Edmonton	.....	.....	.....	4·25	4·31	4·50
British Columbia—						
Nelson	.....	.....	.....	10·44	10·40	10·50
New Westminster	.....	.....	.....	10·50	10·50	10·50
Prince Rupert	.....	.....	.....	11·95	11·75	11·75
Vancouver	.....	.....	.....	10·50	10·50	10·50
Victoria	.....	.....	.....	10·75	10·75	10·75

Table 39.—Average value of Coal f.o.b. Mines, together with Labour, Fuel and Electricity Costs per ton Raised, by Provinces and by Districts, in 1936 and 1937

—	1936			1937		
	Average value per ton of coal raised	Average labour costs per ton raised	Fuel and electricity costs per ton	Average value per ton of coal raised	Average labour costs per ton raised	Fuel and electricity costs per ton
	$	$	$	$	$	$
NOVA SCOTIA—(Bituminous)						
Cape Breton	3·361	1·976	·336	3·476	2·183	·315
Cumberland	3·765	2·449	·487	3·645	2·520	·425
Inverness	3·305	2·714	·413	3·140	2·567	·331
Pictou	3·905	2·818	·413	3·922	2·723	·403
Total Nova Scotia	3·455	2·123	·361	3·533	2·288	·337
NEW BRUNSWICK—(Bituminous)	3·228	2·276	·084	3·237	2·295	·100
MANITOBA—(Lignite)	2·364	0·972	·128	2·430	1·179	·123
SASKATCHEWAN—(Lignite)	1·434	0·679	·082	1·424	0·670	·085
ALBERTA—						
Bituminous—						
Cascade	3·527	2·258	·296	3·540	2·214	·323
Crowsnest	2·721	1·794	·150	2·768	1·852	·152
Mountain Park	3·007	1·844	·160	2·910	1·825	·139
Nordegg	3·033	1·903	·101	3·108	2·098	·131
Total Bituminous	2·883	1·849	·160	2·890	1·885	·159
Sub-bituminous—						
Coalspur	2·293	1·515	·092	2·363	1·603	·089
Morley	2·553	4·146	·049	2·073	1·949	·004
Pekisko	2·407	1·342	·091	2·432	1·376	·077
Pincher	2·421	1·339	·006	2·241	1·671	.....
Prairie Creek	2·896	1·934	·102	2·989	2·201	·142
Saunders	3·608	3·094	·237	3·583	3·162	·259
Total Sub-bituminous	2·530	1·728	·104	2·596	1·856	·114
Lignite—						
Ardley	2·190	1·237	·025	2·262	1·302	·034
Big Valley	2·234	1·503	·160	2·271	1·539	·175
Brooks	2·752	1·511	.....	2·747	1·626	·008
Camrose	1·823	1·103	·025	1·905	1·256	·027
Carbon	1·969	1·293	·048	1·948	1·335	·048
Castor	1·568	0·848	·025	1·559	0·895	·098
Champion	2·408	1·508	·044	2·438	1·463	·041
Drumheller	2·466	1·694	·072	2·571	1·682	·074
Edmonton	2·012	1·377	·064	1·911	1·331	·062
Gleichen	2·565	1·325	·041	2·432	1·549	·019
Halcourt	3·931	2·313	·028	4·175	2·660	·029
Lethbridge	2·939	1·964	·112	3·004	1·796	·096
Magrath	2·680	1·888	·078	2·732	1·475	·067
Milk River	2·743	1·426	·025	2·762	1·479	·015
Pakan	1·155	0·743	.....	2·517	2·329	.....
Pakowki	2·319	1·218	.....	2·571	1·892	.....
Pembina	1·648	0·959	·049	1·504	1·092	·023
Redcliff	1·843	1·076	·037	1·901	1·077	·046
Rochester	2·055	0·803	.....	2·015	2·301	·054
Sexsmith	2·000	.....	.....	1·698	1·698	.....
Sheerness	1·481	·773	·021	1·399	0·752	·023
Steveville	.....	.....	.....	.....	.....	.....
Taber	2·192	1·429	.....	2·230	1·502	·020
Tofield	1·544	1·020	·125	1·460	0·729	·099
Wetaskiwin	1·779	0·676	.....	1·823	1·197	.....
Whitecourt	2·123	1·350	.....	2·124	1·022	.....
Area not designated	2·202	1·230	·063	1·900	0·877	·003
Total Lignite	2·333	1·565	·070	2·374	1·537	·070
Total Alberta	2·573	1·695	·110	2·618	1·717	·112
BRITISH COLUMBIA—(Bituminous)						
Crow's Nest Pass	2·789	1·544	·191	2·733	1·665	·196
Inland	3·735	2·744	·324	3·450	2·648	·324
Island	4·262	2·859	·266	4·220	2·863	·245
Total British Columbia	3·689	2·391	·247	3·668	2·466	·239
YUKON—(Bituminous)	4·482	2·822	·059	9·667	1·905	·071
Canada	**3·007**	**1·896**	**·230**	**3·079**	**1·998**	**·226**

Table 40.—Employees, Salaries and Wages in the Coal Mines of Canada, by Provinces, 1937

Province	Average number of employees					Salaries and wages		
	Salaried employees		Wage-earners		Total	Salaries	Wages	Total
	Male	Female	Surface	Underground				
						$	$	$
Nova Scotia	435	55	2,141	11,127	13,758	898,024	15,704,084	16,602,108
New Brunswick	37	6	273	777	1,093	80,095	756,883	836,978
Manitoba	.....	.....	2	8	10	.....	3,741	3,741
Saskatchewan	49	9	255	619	932	100,064	602,865	702,929
Alberta	527	33	2,009	5,804	8,373	1,182,207	8,370,001	9,552,208
British Columbia	148	13	880	1,993	3,034	374,928	3,568,627	3,943,555
Yukon	.....	.....	.....	2	2	.....	160	160
Canada	**1,196**	**116**	**5,560**	**20,330**	**27,202**	**2,635,318**	**29,006,361**	**31,641,679**

Table 41.—Employment and Earnings in the Coal Mines of Canada, 1933-1937

—	1933	1934	1935	1936	1937
Average number of wage-earners—					
Surface	5,433	5,426	5,368	5,511	5,560
Underground	19,379	19,245	19,463	20,086	20,330
Total	**24,812**	**24,671**	**24,831**	**25,597**	**25,890**
Days' work done—					
Surface	1,170,095	1,289,517	1,312,667	1,374,980	1,441,102
Underground	3,341,250	3,980,559	4,069,853	4,381,935	4,654,218
Total	**4,511,345**	**5,270,076**	**5,382,520**	**5,756,915**	**6,095,320**
Average number of days worked per man per year—					
Surface	215	238	244	249	259
Underground	172	207	209	218	229
By all wage-earners	**182**	**214**	**216**	**225**	**235**
Total wages paid	**$ 19,901,321**	**$ 23,082,986**	**$ 24,028,618**	**$ 26,331,682**	**$ 29,006,361**

Table 42.—Wage-earners Employed in the Coal Mines of Canada, by Months and by Provinces, 1933-1937

Month and year	Nova Scotia	New Brunswick	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon	Canada
January 1933	12,219	996	25	1,212	10,015	3,544	.....	28,011
1934	12,087	1,159	29	1,273	9,534	3,205	.....	27,287
1935	12,699	1,230	28	1,152	9,661	2,980	.....	27,750
1936	12,805	1,238	28	1,115	9,352	2,648	.....	27,186
1937	12,977	1,275	23	1,110	9,836	2,892	.....	28,113
February 1933	12,139	999	22	1,159	9,371	3,428	.....	27,118
1934	12,063	1,152	22	1,144	8,562	3,007	.....	25,950
1935	12,647	1,224	24	1,098	8,669	2,685	.....	26,357
1936	12,724	1,251	24	1,110	9,288	2,695	.....	27,092
1937	12,915	1,292	24	1,025	9,490	2,851	.....	27,597
March 1933	12,012	1,036	14	842	8,066	3,363	.....	25,333
1934	11,058	1,110	13	909	8,035	2,762	.....	23,887
1935	12,701	1,236	19	834	7,668	2,483	.....	24,941
1936	12,810	1,217	23	827	8,300	2,641	.....	25,818
1937	12,828	1,300	21	768	8,004	2,914	.....	25,835
April 1933	12,064	979	.....	462	6,238	2,848	.....	22,591
1934	11,084	1,094	.....	507	6,455	2,874	.....	22,011
1935	12,668	1,139	2	556	6,291	2,525	.....	23,181
1936	12,828	1,157	10	554	6,543	2,546	.....	23,638
1937	12,936	1,172	.....	588	6,330	2,911	.....	23,937
May 1933	10,548	989	.....	414	5,650	2,824	3	20,428
1934	12,002	977	.....	408	5,755	2,834	3	21,979
1935	12,658	1,111	.....	443	5,527	2,539	3	22,281
1936	12,803	1,094	.....	409	5,735	2,545	3	22,589
1937	14,109	1,117	.....	507	5,546	2,896	2	24,177
June 1933	11,875	1,078	.....	390	5,448	2,800	4	21,595
1934	12,155	987	.....	390	5,714	2,779	3	22,028
1935	11,759	1,091	.....	425	5,448	2,460	3	21,186
1936	12,874	1,108	.....	393	5,846	2,531	3	22,755
1937	12,867	1,120	.....	480	5,411	2,787	.....	22,665
July 1933	11,697	1,042	.....	348	5,413	2,826	4	21,330
1934	12,064	934	.....	399	5,626	2,703	3	21,729
1935	12,785	1,039	.....	401	5,487	2,464	3	22,179
1936	12,931	1,078	.....	393	5,712	2,559	.....	22,673
1937	13,077	1,120	.....	492	5,379	2,786	.....	22,854
August 1933	11,821	1,011	.....	505	6,516	2,805	4	22,662
1934	12,127	948	.....	507	6,705	2,726	.....	23,013
1935	12,830	1,059	.....	455	6,572	2,253	3	23,172
1936	12,890	1,071	.....	574	6,981	2,606	.....	24,122
1937	13,091	1,093	.....	591	7,037	2,854	.....	24,666
September 1933	12,000	1,004	10	1,067	8,679	2,915	.....	25,675
1934	12,271	924	.....	1,094	8,672	2,677	.....	25,638
1935	12,783	1,051	.....	823	7,882	2,299	.....	24,838
1936	12,889	1,130	6	1,103	8,990	2,645	.....	26,763
1937	13,376	1,087	.....	1,148	8,360	2,884	.....	26,855
October 1933	12,070	1,030	12	1,521	9,981	3,037	.....	27,651
1934	12,432	928	18	1,408	9,456	2,849	.....	27,091
1935	12,811	1,118	20	1,220	9,233	2,356	.....	26,758
1936	12,988	1,139	29	1,332	9,964	2,721	.....	28,173
1937	13,478	1,049	16	1,361	9,340	3,000	.....	28,244
November 1933	12,147	1,086	19	1,427	10,120	3,135	.....	27,934
1934	12,680	1,048	28	1,319	9,846	2,885	.....	27,806
1935	12,921	1,156	26	1,273	9,877	2,633	.....	27,886
1936	12,992	1,194	33	1,216	9,987	2,763	.....	28,185
1937	13,691	457	20	1,253	9,578	2,630	.....	27,629
December 1933	11,745	1,050	19	1,352	10,153	3,077	.....	27,396
1934	12,591	1,168	29	1,225	9,712	2,907	.....	27,632
1935	12,819	1,205	29	1,163	9,620	2,696	.....	27,532
1936	13,046	1,229	24	1,144	9,954	2,776	.....	28,173
1937	13,876	518	23	1,169	9,449	3,080	.....	28,115
Average 1933	**11,861**	**1,025**	**10**	**891**	**7,971**	**3,050**	**4**	**24,812**
1934	**12,051**	**1,035**	**12**	**882**	**7,839**	**2,849**	**3**	**24,671**
1935	**12,671**	**1,136**	**12**	**813**	**7,662**	**2,531**	**3**	**24,831**
1936	**12,881**	**1,158**	**15**	**847**	**8,054**	**2,639**	**3**	**25,597**
1937	**13,268**	**1,050**	**10**	**874**	**7,813**	**2,873**	**2**	**25,890**

Table 43.—Wage-earners Employed and Days' Work Done, by Months, in the Coal Mines of Canada, 1937, with Comparative Totals for 1936

Month	Number of wage-earners			Days' work done		
	Surface	Underground	Total	Surface	Underground	Total
January	5,885	22,228	28,113	126,983	409,023	536,006
February	5,779	21,818	27,597	117,569	360,196	477,765
March	5,486	20,349	25,835	108,868	331,563	440,431
April	5,195	18,742	23,937	100,223	303,769	403,992
May	5,280	18,897	24,177	110,263	363,647	473,910
June	5,035	17,630	22,665	109,939	335,619	445,558
July	5,075	17,779	22,854	109,569	369,374	478,943
August	5,365	19,301	24,666	118,039	393,277	511,316
September	5,762	21,093	26,855	127,699	425,706	553,405
October	6,115	22,129	28,244	144,434	473,872	618,306
November	5,812	21,817	27,629	135,640	457,508	593,148
December	5,935	22,180	28,115	131,876	430,664	562,540
Total for 1937	.....	.....	.....	1,441,102	4,654,218	6,095,320
Total for 1936	.....	.....	.....	1,374,980	4,381,935	5,756,915

Table 44.—Wage-earners Employed in the Coal Mines of Canada, by Classes and by Provinces, 1937, with Comparative Totals for 1936

Classification	Province							Canada		
	Nova Scotia	New Brunswick	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon	Surface	Underground	Total
Administration	54	23	.....	9	57	11	.....	154	.....	154
Clerks	114	16	1	17	132	31	.....	311	.....	311
Screenmen and loaders	674	66	1	52	608	139	.....	1,540	.....	1,540
Foremen and officials	716	28	1	36	519	115	1	225	1,191	1,416
Stripping shovel operators	.....	.....	.....	2	9	.....	.....	11	.....	11
Hand cutters and helpers	787	446	6	368	1,931	411	1	.....	3,950	3,950
Machine cutters and helpers	1,010	80	.....	37	322	208	.....	.....	1,657	1,657
Machine loaders and helpers	2,299	154	.....	61	1,522	347	.....	.....	4,383	4,383
Horse haulage employees	376	3	.....	57	415	152	.....	49	954	1,003
Mechanical haulage employees	1,584	7	.....	28	353	293	.....	112	2,153	2,265
Ventilation employees	239	2	.....	3	52	27	.....	.....	323	323
Roadmakers	303	13	.....	23	142	32	.....	6	507	513
Timbermen	1,138	19	1	13	272	102	.....	7	1,538	1,545
Pumpmen	91	5	.....	4	28	5	.....	6	127	133
Loading shovel	.....	.....	.....	4	.....	.....	.....	4	.....	4
Chute loaders	106	.....	.....	.....	168	32	.....	.....	306	306
Enginemen	270	19	.....	13	149	61	.....	422	90	512
Firemen	134	6	.....	12	91	28	.....	271	.....	271
Machinists	207	1	.....	6	70	48	.....	312	20	332
Carpenters and masons	127	9	.....	7	55	44	.....	239	3	242
Other mechanics	348	5	.....	6	116	204	.....	305	374	679
Japanese	.....	.....	.....	.....	.....	3	.....	3	.....	3
Chinese	.....	.....	.....	.....	.....	109	.....	109	.....	109
Indians	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
All other employees	2,691	148	.....	116	802	471	.....	1,474	2,754	4,228
Total for 1937	13,268	1,050	10	874	7,813	2,873	2	5,560	20,330	25,890
Total for 1936	12,881	1,158	15	847	8,054	2,639	3	5,511	20,086	25,597

Table 45.—Average Output of Coal per Man-Day in Canada, by Provinces and by Districts, 1936 and 1937

—	1936			1937		
	Number of man-days	Output	Average output per man-day	Number of man-days	Output	Average output per man-day
		Tons	Tons		Tons	Tons
Nova Scotia—						
Cape Breton	1,992,396	5,158,877	2·589	2,195,992	5,490,819	2·500
Cumberland	383,432	701,767	1·830	427,923	807,651	1·887
Inverness	98,501	142,540	1·447	126,209	186,927	1·481
Pictou	446,717	645,918	1·446	530,662	771,557	1·453
Total	2,921,046	6,649,102	2·276	3,280,786	7,256,954	2·211
New Brunswick	268,857	368,618	1·371	256,677	364,714	1·420
Manitoba	3,212	4,029	1·254	2,193	3,172	1·446
Saskatchewan	195,136	1,020,792	5·231	200,757	1,049,348	5·226
Alberta—						
Bituminous—						
Cascade	56,321	166,667	2·959	56,483	175,986	3·115
Crowsnest	364,545	1,310,559	3·595	378,302	1,326,399	3·506
Mountain Park	183,209	655,130	3·576	213,790	764,371	3·575
Nordegg	44,566	156,378	3·509	45,202	147,028	3·252
Total Bituminous	648,641	2,288,734	3·529	693,777	2,413,784	3·479
Sub-Bituminous—						
Coalspur	97,999	388,766	3·967	84,563	350,427	4·143
Morley	533	123	0·231	575	667	1·160
Pekisko	2,251	4,805	2·135	2,151	4,928	2·291
Pincher	1,101	2,094	1·902	1,037	1,541	1·486
Prairie Creek	42,508	127,503	3·000	41,511	106,803	2·572
Saunders	19,091	42,944	2·249	18,649	41,894	2·246
Total Sub-Bituminous	163,483	566,235	3·464	148,486	506,260	3·409
Lignite—						
Ardley	11,103	29,217	2·631	9,776	24,017	2·456
Big Valley	1,953	2,918	1·494	1,730	2,488	1·438
Brooks	3,009	9,842	3·271	3,153	9,157	2·904
Camrose	21,381	65,398	3·059	18,987	57,121	3·008
Carbon	33,409	108,625	3·251	32,405	105,018	3·240
Castor	18,476	47,021	2·545	14,339	40,765	2·842
Champion	10,553	22,165	2·100	9,020	17,933	1·988
Drumheller	389,602	1,437,343	3·689	332,692	1,289,765	3·876
Edmonton	179,738	542,854	3·020	167,344	542,063	3·239
Gleichen	4,480	9,897	2·209	14,734	19,902	1·350
Halcourt	3,930	3,454	0·879	4,703	4,620	0·982
Lethbridge	127,914	350,967	2·744	110,832	350,388	3·161
Magrath	902	857	0·950	1,000	995	0·995
Milk River	2,658	5,500	2·069	2,234	4,290	1·920
Pakan	388	335	0·863	1,164	773	0·664
Pakewki	1,481	3,692	2·493	834	1,339	1·605
Pembina	12,633	53,956	4·271	9,791	33,403	3·411
Redcliff	9,976	36,433	3·652	7,884	30,203	3·830
Rochester	861	2,241	2·603	276	478	1·731
Sexsmith	25	44	1·760	85	43	0·505
Sheerness	12,592	47,345	3·760	8,330	39,388	4·728
Steveville	.....	.....	.....	.....	.....	.....
Taber	6,334	14,194	2·241	5,904	13,139	2·225
Tofield	14,393	42,846	2·977	11,030	48,315	4·380
Wetaskiwin	1,179	1,776	1·506	1,237	2,238	1·809
Whitecourt	110	163	1·482	202	356	1·762
Area not designated	1,290	2,908	2·254	1,592	4,598	2·888
Total Lignite	870,370	2,841,991	3·265	771,278	2,642,795	3·426
Total Alberta	1,682,494	5,696,960	3·386	1,613,541	5,562,839	3·447
British Columbia—						
Crow's Nest Pass	125,279	514,161	4·101	125,294	494,963	3·950
Inland	105,918	182,982	1·728	100,590	190,650	1·895
Island	454,841	792,028	1,741	515,462	913,230	1·771
Total	686,038	1,489,171	2·171	741,346	1,598,843	2·156
Yukon	132	510	3·864	20	84	4·200
Canada	**5,756,915**	**15,229,182**	**2·645**	**6,095,320**	**15,835,954**	**2·598**

Table 46.—Fatal and Non-Fatal Accidents in the Coal Mining Industry in Canada, by Provinces, 1937, with Comparative Totals for 1936

—	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	15	501	.....	105	.....	47	10	62	4	184	29	899
Mine cars and locomotives	12	369	.....	93	.....	40	2	36	2	78	16	616
Gas and dust explosions	.....	1	.....	.....	.....	.....	1	5	.....	.....	1	6
Explosives	.....	3	1	10	.....	.....	.....	.....	.....	3	1	16
Electricity	.....	.....	.....	1	.....	1	.....	.....	.....	.....	.....	2
Timbering	.....	.....	.....	.....	.....	10	.....	2	.....	.....	.....	12
Mining and loading coal	.....	.....	.....	.....	.....	74	1	3	.....	.....	1	77
Coal cutting machines	.....	.....	.....	.....	.....	.....	.....	5	.....	.....	.....	5
Miscellaneous	.....	866	.....	79	.....	19	3	13	3	423	6	1,400
Total underground	27	1,740	1	288	.....	191	17	126	9	688	54	3,033
SURFACE												
Haulage and cars	.....	29	.....	16	.....	21	1	2	.....	9	1	77
Machinery	.....	12	.....	6	.....	9	.....	4	.....	6	.....	37
Miscellaneous	.....	150	.....	28	.....	28	2	13	1	55	3	274
Total surface	.....	191	.....	50	.....	58	3	19	1	70	4	388
Total for 1937	27	1,931	1	338	.....	249	20	145	10	758	58	3,421
Total for 1936	15	1,520	1	489	1	242	11	180	8	625	36	3,056

Table 47.—Fuel and Electricity Used in the Coal Mining Industry in Canada, by Kinds and by Provinces, 1937

Province	Coal			Gasoline kerosene and fuel oil	Electricity purchased	Total value	Electricity generated for own use
	Bituminous	Sub-bituminous	Lignite				
	Tons	Tons	Tons	Imp. Gal.	K.W.H.	$	K.W.H.
NOVA SCOTIA—							
Quantity	427,014	.....	.....	.....	82,570,689	.....	17,890,873
Value $	1,368,302	.....	.....	.....	1,078,517	2,446,819	.....
NEW BRUNSWICK—							
Quantity	4,760	.....	.....	13,362	1,029,524	.....	.....
Value $	12,330	.....	.....	2,962	21,169	36,461	.....
MANITOBA—							
Quantity	.....	.....	96	1,255	.....	.....	.....
Value $	.....	.....	152	238	.....	390	.....
SASKATCHEWAN—							
Quantity	.....	.....	29,368	37,459	1,768,117	.....	637,834
Value $	.....	.....	31,745	9,317	47,736	88,798	.....
ALBERTA—							
Quantity	86,760	29,304	36,133	40,156	24,392,087	.....	10,157,350
Value $	240,157	55,076	33,619	12,942	283,393	625,187	.....
BRITISH COLUMBIA—							
Quantity	102,187	.....	.....	34,036	10,492,630	.....	19,578,061
Value $	267,599	.....	.....	7,111	107,907	382,617	.....
YUKON—							
Quantity	2	.....	.....	.....	.....	.....	.....
Value $	6	.....	.....	.....	.....	6	.....
Canada—							
Quantity	620,723	29,304	65,597	126,268	120,253,047	.....	48,270,118
Value $	1,888,394	55,076	65,516	32,570	1,538,722	3,580,278	.....

Table 48.—Power Employed in the Coal Mining Industry in Canada, by Provinces, 1937, with Comparative Totals for 1936

Province		Steam engines and turbines	Internal combustion engines	Hydraulic turbines or water wheels	*Total primary power*	Electric motors run by purchased power	**Total power employed**	Electric motors run by primary power in same plant	*Total electric motors*	Boilers
Nova Scotia	No.	51	.....	.....	51	641	**692**	75	716	110
	H.P.	52,350	.....	.....	52,350	49,485	**101,835**	10,283	59,768	33,829
New Brunswick	No.	16	4	.....	20	125	**145**	.....	125	14
	H.P.	580	201	.....	781	1,023	**1,804**	.....	1,023	504
Manitoba	No.	1	1	.....	2	.....	**2**	.....	.....	.....
	H.P.	20	10	.....	30	.....	**30**	.....	.....	.....
Saskatchewan	No.	30	31	.....	61	160	**221**	41	201	12
	H.P.	2,050	699	.....	2,749	3,204	**5,953**	910	4,114	2,272
Alberta	No.	177	74	.....	251	1,042	**1,293**	332	1,374	145
	H.P.	26,220	1,153	.....	27,373	34,052	**61,425**	9,506	43,558	17,182
British Columbia	No.	78	18	2	98	112	**210**	131	243	55
	H.P.	16,467	546	12,000	29,013	4,896	**33,909**	10,007	14,903	9,656
Yukon	No.	.....	.....	.....	.....	.....	.....	.....	.....	1
	H.P.	.....	.....	.....	.....	.....	.....	.....	.....	25
Total for 1937	**No.**	**353**	**128**	**2**	**483**	**2,080**	**2,563**	**579**	**2,659**	**337**
	H.P.	**97,687**	**2,609**	**12,000**	**112,296**	**92,660**	**204,956**	**30,706**	**123,366**	**63,468**
Total for 1936	**No.**	**363**	**104**	**2**	**469**	**1,910**	**2,379**	**600**	**2,510**	**351**
	H.P.	**98,717**	**1,673**	**12,000**	**112,390**	**82,117**	**194,507**	**33,876**	**115,993**	**64,698**

Table 49.—Capital Employed in the Coal Mines of Canada, by Provinces, 1936 and 1937

Province	1936				1937			
	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	36,980,155	3,213,068	5,446,250	**45,639,473**	41,604,785	3,365,312	5,163,041	**50,133,138**
New Brunswick	1,026,542	68,517	275,622	**1,370,681**	935,121	32,419	341,229	**1,308,769**
Manitoba	4,400	408	890	**5,698**	4,000	100	500	**4,600**
Saskatchewan	2,605,561	84,628	406,014	**3,096,203**	2,701,973	76,394	340,960	**3,119,327**
Alberta	31,435,333	938,240	8,231,002	**40,604,575**	30,935,737	953,018	6,567,237	**38,455,992**
British Columbia	15,965,370	412,959	2,403,334	**18,781,663**	22,566,174	553,593	1,929,005	**25,048,772**
Yukon	203,000	1,750	.....	**204,750**	203,000	250	.....	**203,250**
Canada	**88,220,361**	**4,719,570**	**16,763,112**	**109,703,043**	**98,950,790**	**4,981,086**	**14,341,972**	**118,273,848**

CHAPTER TWO

PRINCE EDWARD ISLAND

Shipments of coal to Prince Edward Island in 1937 totalled 94,040 tons of which 11 tons were exported during the year. Receipts from Nova Scotia amounted to 78,663 tons; from New Brunswick; 1,354 tons; from Great Britain, 6,334 tons; from Germany, 4,027 tons, and from the United States, 3,662 tons. During 1936, this province received 94,949 tons made up of 80,612 tons from Nova Scotia, 1,947 tons from New Brunswick, 10,800 tons from Great Britain, and 1,590 tons from the United States.

Table 50—Exports of Canadian Coal through Prince Edward Island Ports, 1933-1937

(Short tons)

Port	1933	1934	1935	1936	1937
Charlottetown	.....	.....	100	5	11
Total	.....	.....	**100**	**5**	**11**

Table 51.—Imports into Prince Edward Island of Anthracite and Bituminous Coal, by Ports of Entry, 1936 and 1937*

(Short tons)

Port	Source	1936					1937					
		Anthracite			Bituminous, all grades	**Total coal**	Anthracite				Bituminous, all grades	**Total coal**
		Grate, egg, stove, nut, doubles, cobbles and trebles	Peas, beans and smaller sizes n.o.p.	**Total**			Grate, egg, stove, nut, doubles, cobbles and trebles	Screenings or dust	Peas, beans and smaller sizes n.o.p.	**Total**		
Charlottetown	U.S.	1,479	.....	**1,479**	111	**1,590**	1,153	.....	.....	**1,153**	67	**1,220**
	G.B.	2,700	.....	**2,700**	2,824	**5,524**	1,894	.....	.....	**1,894**	4,440	**6,334**
	Germany	.....	.....	.....	.....	.....	1,677	.....	.....	**1,677**	.....	**1,677**
Summerside	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	2,442	**2,442**
	G.B.	2,524	.....	**2,524**	2,752	**5,276**	.....	.....	.....	.....	.....	.....
	Germany	.....	.....	.....	.....	.....	2,350	.....	.....	**2,350**	.....	**2,350**
Total	**U.S.**	1,479	.....	**1,479**	111	**1,590**	1,153	.....	.....	**1,153**	2,509	**3,662**
	G.B.	5,224	.....	**5,224**	5,576	**10,800**	1,894	.....	.....	**1,894**	4,440	**6,334**
	Germany	.....	.....	.....	.....	.....	4,027	.....	.....	**4,027**	.....	**4,027**
Grand total	.....	6,703	.....	**6,703**	5,687	**12,390**	7,074	.....	.....	**7,074**	6,949	**14,023**

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

Table 52.—Summary Statistics for Prince Edward Island in 1937—Exports, Inter-provincial Shipments and Imports, by Months and by Kinds

(Short tons)

Month	Canadian coal received from other provinces	Exported	Imported from U.S.A.	Imported from Great Britain	Imported from Germany
January—					
Anthracite	...	...	...	...	...
Bituminous	7,429	...	...	...	...
Total	7,429	...	...	...	...
February—					
Anthracite	...	...	...	...	...
Bituminous	6,323	...	...	...	...
Total	6,323	...	...	...	...
March—					
Anthracite	...	...	...	...	...
Bituminous	4,952	...	32	...	...
Total	4,952	...	32	...	...
April—					
Anthracite	...	...	...	...	...
Bituminous	5,437	...	...	...	...
Total	5,437	...	...	...	...
May—					
Anthracite	...	...	...	...	...
Bituminous	2,999	...	...	...	...
Total	2,999	...	...	...	...
June—					
Anthracite	...	...	1,153	...	...
Bituminous	2,695	...	2,442	...	...
Total	2,695	...	3,595	...	...
July—					
Anthracite	...	...	...	...	...
Bituminous	3,362	...	...	2,193	...
Total	3,362	...	...	2,193	...
August—					
Anthracite	...	...	...	773	...
Bituminous	5,256	...	...	2,247	...
Total	5,256	...	...	3,020	...
September—					
Anthracite	...	...	...	...	...
Bituminous	12,523	1	...	...	...
Total	12,523	1	...	...	...
October—					
Anthracite	...	...	...	1,121	2,350
Bituminous	10,971	...	35	...	...
Total	10,971	...	35	1,121	2,350
November—					
Anthracite	...	...	...	...	1,677
Bituminous	10,638	...	...	...	...
Total	10,638	...	...	...	1,677
December—					
Anthracite	...	...	...	...	...
Bituminous	7,432	10	...	...	...
Total	7,432	10	...	...	...
Total—					
Anthracite	...	...	1,153	1,894	4,027
Bituminous	80,017	11	2,509	4,440	...
Total	80,017	11	3,662	6,334	4,027

CHAPTER THREE

NOVA SCOTIA

Nova Scotia's output of coal in 1937 advanced to 7,256,954 tons from the preceding year's total of 6,649,102 tons. Cape Breton mines produced 5,490,819 tons or 6·4 per cent above the 1936 output. The Cumberland district mines produced 807,651 tons compared with 701,767 tons, a year ago. An increase of 31·1 per cent was recorded in the Inverness district output; the 1938 total was 186,927 tons and the 1937 total, 142,540 tons. Operators in the Pictou district mined 771,557 tons as against 645,918 tons, a year ago.

In 1937, Nova Scotia mines shipped 6,603,236 tons; during the preceding year, 6,001,760 tons were shipped. Quebec was the principal market for Nova Scotia coal in 1937, receiving 3,336,001 tons for railroad and other purposes. Shipments from the mines, for consumption within Nova Scotia, totalled 1,968,092 tons made up of 406,242 tons for railroad use and 1,546,156 tons for other uses. Railroads in New Brunswick received 105,420 tons and other consumers in this province, 522,305 tons. Receipts in Prince Edward Island consisted of 12,008 tons for railroads and 66,655 tons for other purposes. Coal supplied for ships' bunkers amounted to 319,333 tons. Direct shipments from Nova Scotia mines to Ontario were recorded at 106,809 tons; in addition to this quantity, trans-shipments were made from Montreal to the following districts: Ottawa area, 343,317 tons; Kingston area, 96,227 tons; Toronto area, 307,929 tons; Windsor area, 44,229 tons, and the Northern Ontario area, 391,824 tons.

The active mines in Nova Scotia during 1937 produced 77 per cent of their possible output; 16·9 per cent of the output loss was due to lack of orders. Causes other than strikes were responsible for a production loss of 2,120,703 tons in 1937, while strikes accounted for an additional computed loss of 91,854 tons.

Nova Scotia's coal supply, based on production plus receipts from outside sources, less the tonnage shipped from the province, amounted to 3,104,482 tons in 1937. Nova Scotia mines supplied 96·3 per cent of this tonnage; Great Britain, 2·7 per cent, and Germany, the United States and the neighbouring province of New Brunswick, the remainder.

Employment was furnished by Nova Scotia coal mines to 13,268 wage-earners in 1937 who received 3,280,786 man-days work or an average of 247 days per man. During the preceding year, 12,848 men were employed who worked 2,921,046 eight-hour shifts, or an average of 227 shifts per man.

Table 53.—Output of Coal from Nova Scotia Mines, 1785-1937

(Short tons)

Calendar year	Output	Value	Calendar year	Output	Value	Calendar year	Output	Value
		$			$			$
1785-1866	2,649,416	4,139,714	1890	2,181,033	3,407,864	1915	7,463,370	16,659,308
1867	596,332	931,769	1891	2,267,919	3,543,624	1916	6,912,140	18,514,662
1868	574,106	897,041	1892	2,159,389	3,374,046	1917	6,327,091	19,410,737
1869	647,727	1,012,074	1893	2,444,924	3,820,194	1918	5,818,562	21,095,470
1870	719,211	1,123,767	1894	2,527,982	3,949,970	*1919	5,790,196	22,350,157
1871	754,827	1,179,417	1895	2,225,145	3,476,796	*1920	6,437,156	32,314,523
1872	1,003,806	1,568,446	1896	2,508,579	3,919,655	*1921	5,734,928	27,782,050
1873	1,108,245	1,731,632	1897	2,493,554	3,896,179	*1922	5,569,072	24,629,921
1874	972,954	1,520,240	1898	2,563,180	4,004,970	*1923	6,597,838	28,170,458
1875	930,613	1,454,084	1899	3,148,822	5,622,898	*1924	5,557,441	22,280,554
1876	837,755	1,308,991	1900	3,623,536	8,088,250	*1925	3,842,978	15,826,680
1877	880,215	1,375,339	1901	4,158,068	6,496,982	*1926	6,747,477	26,845,226
1878	875,994	1,368,741	1902	5,161,316	9,216,636	*1927	7,071,876	27,194,671
1879	866,220	1,353,469	1903	5,653,338	10,095,246	*1928	6,743,504	27,427,556
1880	1,177,669	1,840,108	1904	5,596,241	9,993,288	*1929	7,056,133	28,071,956
1881	1,280,050	2,000,079	1905	5,646,583	10,083,184	*1930	6,252,552	24,528,860
1882	1,524,947	2,382,730	1906	6,220,505	11,108,044	*1931	4,955,563	19,016,726
1883	1,578,609	2,466,576	1907	6,354,133	12,764,999	*1932	4,081,581	15,167,793
1884	1,543,829	2,412,233	1908	6,652,539	13,364,476	*1933	4,557,590	15,969,793
1885	1,547,990	2,418,735	1909	5,652,089	11,354,643	*1934	6,341,625	21,860,093
1886	1,698,018	2,653,152	1910	6,431,142	12,919,705	*1935	5,822,075	20,391,227
1887	1,858,596	2,904,057	1911	7,004,420	14,071,379	*1936	6,649,102	22,973,281
1888	1,942,231	3,034,735	1912	7,783,888	17,374,750	*1937	7,256,954	25,640,819
1889	1,918,827	2,998,167	1913	7,980,073	17,812,663			
			1914	7,370,924	16,452,955	Total	284,887,313	790,411,201

* For the years 1919-1937 the tonnage shown is the total output from all mines: for previous years the figures given include only sales, colliery consumption, and coal used by the operators.

Table 54.—Output of Coal from Nova Scotia Mines, by Months, 1933-1937

(Short tons)

Month	1933	1934	1935	1936	1937
January	280,346	433,414	508,191	435,997	500,455
February	276,424	405,798	428,092	420,552	453,477
March	259,137	436,063	397,276	425,146	453,650
April	268,447	401,655	369,834	423,984	467,437
May	334,007	599,830	498,924	571,892	639,377
June	345,761	596,494	535,841	626,590	622,492
July	343,029	581,349	583,832	646,568	694,786
August	429,711	606,242	489,057	565,859	698,983
September	499,850	601,167	463,263	653,918	697,474
October	645,743	663,140	593,310	690,343	694,425
November	514,464	597,990	504,099	622,152	700,919
December	360,671	418,483	450,356	566,101	633,470
Total	**4,557,590**	**6,341,625**	**5,822,075**	**6,649,102**	**7,256,954**

Table 55.—Output of Coal by Districts in Nova Scotia, 1933-1937

(Short tons)

District	1933	1934	1935	1936	1937
Cape Breton	3,444,118	4,926,085	4,413,570	5,158,877	5,490,819
Cumberland	604,893	738,017	702,496	701,767	807,651
Inverness	102,628	116,872	116,978	142,540	186,927
Pictou	405,951	560,651	589,031	645,918	771,557
Total	**4,557,590**	**6,341,625**	**5,822,075**	**6,649,102**	**7,256,954**

Table 56.—Output of Coal by Principal Collieries in Nova Scotia, 1935-1937 (Average of 500 tons or more per month)

(Short tons)

Name	Address	1935	1936	1937
CAPE BRETON DISTRICT—				
Bras d'Or Coal Co., Ltd	Little Bras d'Or Bridge	107,875	116,467	137,515
British Coal Co. Ltd. (formerly Sydney Mines Coal Co.)	Sydney	9,591	7,340	6,245
Dominion Coal Co., Ltd	Sydney	3,639,392	4,296,057	4,563,119
Indian Cove Coal Co., Ltd	Sydney Mines	46,746	51,555	60,440
Nova Scotia Steel and Coal Co., Ltd	Sydney	609,849	686,776	720,652
All other operators		117	682	2,848
Total		4,413,570	5,158,877	5,490,819
CUMBERLAND DISTRICT—				
Cumberland Railway and Coal Co., Ltd	Springhill	519,508	541,773	666,472
Maritime Coal, Railway & Power Co., Ltd	Amherst	72,241	70,171	40,517
Shore Coal Co. Ltd	Amherst	27,933	23,007	22,226
Standard Coal Co., Ltd	River Hebert	18,202	21,092	43,819
Victoria Coal Co., Ltd	New Glasgow	62,819	45,724	34,617
All other operators		1,793	.....	.....
Total		702,496	701,767	807,651
INVERNESS DISTRICT—				
Inverness Coal Mine, (formerly Inverness Co-Operative Co., Ltd.)	Inverness	109,722	131,371	157,013
Port Hood Coal Mines Ltd. (formerly Port Hood Fuel Co. and J. F. Symons)	Port Hood	6,996	9,538	27,503
All other operators		260	1,631	2,411
Total		116,978	142,540	186,927
PICTOU DISTRICT—				
Acadia Coal Co., Ltd	Stellarton	392,323	418,477	485,564
Greenwood Coal Co., Ltd	New Glasgow	52,531	48,413	52,894
Intercolonial Coal Co., Ltd	Westville	144,177	178,099	230,909
All other operators		.....	929	2,130
Total		589,031	645,918	771,557
Total Nova Scotia		**5,822,075**	**6,649,102**	**7,256,954**

Table 57.—Tonnage Lost in Nova Scotia Coal Mines Showing, by Districts, the Relative Percentages Produced and Lost, with an Analysis of the Percentage Lost, 1936 and 1937

District		Per cent produced	Per cent lost	Percentage lost through				
				Absenteeism	Lack of orders	Car shortage	Mine disability	Other causes
Cape Breton	1936	70	30	0·5	28·9	.....	0·5	0·1
	1937	77	23	1·6	19·0	.....	1·5	0·9
Cumberland	1936	68	32	4·2	19·4	.....	2·2	6·2
	1937	76	24	8·2	3·8	.....	2·9	9·1
Inverness	1936	81	19	.....	18·5	.....	0·1	0·4
	1937	80	20	.....	19	.....	0·1	0·9
Pictou	1936	77	23	2·4	20·3	.....	0·3	.....
	1937	82	18	4·6	13·2	.....	.....	0·2
Nova Scotia	**1936**	**70**	**30**	**1·1**	**27·1**	.....	**0·8**	**1·0**
	1937	**77**	**23**	**2·7**	**16·9**	.....	**1·6**	**1·8**

Table 58.—Disposition of Coal from Nova Scotia Mines, by Grades, 1937

(Short tons)

—	Run of Mine	Lump	Egg	Nut	Pea	Slack	Total Coal	
							Quantity	Value
								$
Supplied to employees for domestic consumption	103,869	14,728	.....	152	.....	550	119,299	361,637
Used for power purposes, colliery boilers, company's railroads, etc.	41,421	4,601	.....	129,261	.....	251,731	427,014	1,368,302
Lost in washing	.....	.....	.....	.....	.....	.....	23,162	.....
Supplied to companies for the manufacture of coke or gas	.....	246,015	.....	33,730	.....	807,952	1,687,697	3,813,572
Supplied to retail coal dealers	133,531	506,279	2,867	68,189	1,466	779,414	1,491,746	5,370,286
Supplied to railroad companies for locomotives—								
In Prince Edward Island	4,208	3,474	.....	57	.....	4,269	12,008	
In Nova Scotia	331,768	58,890	97	.....	.....	15,487	406,242	
In New Brunswick (a)	105,896	47,709	12	249	.....	9,851	163,717	5,720,263
In Quebec (a)	146,245	522,930	.....	.....	.....	48,222	717,397	
In Ontario (b)	.....	235,423	.....	.....	.....	.....	235,423	
In Newfoundland	.....	9,280	.....	.....	.....	.....	9,280	
Supplied to shipping companies for ships' bunkers	309,768	7,530	16	.....	.....	2,019	319,333	1,136,825
Supplied to industrial users	182,476	248,270	47	99,527	90	1,400,943	1,930,984	6,886,384
Supplied direct to domestic consumers	32,691	144,921	276	8,519	221	39,250	225,878	869,630
Added to bank (Difference between "Put on bank" and "Lifted from bank")	+125,944	−80,459	.....	+269	.....	−10,099	+35,655	113,920
Put on waste heap	.....	.....	.....	.....	.....	.....	48,588	.....
Total output	**1,517,817**	**1,972,753**	**3,316**	**339,953**	**1,777**	**3,349,589**	**7,256,954**	**25,640,819**

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

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

Table 59.—Disposition of Coal from Nova Scotia Mines, 1936 and 1937

(Short tons)

—	1936		1937					
	Total		Run-of-mine	Lump	Nut and other grades	Slack	Total	
	Quantity	Value					Quantity	Value
		$						$
Supplied to employees for domestic consumption	117,264	349,947	103,869	14,728	152	550	119,299	361,637
Coal shipped as per Table 61	6,001,760	20,933,411	1,246,583	2,033,883	215,363	3,107,407	6,603,236	23,796,960
Used under colliery boilers	276,806	844,496	23,076	555	74,766	204,483	302,880	888,352
Used by companies' railroads	40,698	170,072	16,550	1,413	11,544	4,033	33,540	134,725
Used in shops, etc.	92,519	369,428	546	2,633	42,951	43,215	89,345	340,800
Used by harbour tugs and dredges	1,306	4,271	1,249	.....	.....	.....	1,249	4,425
Put on bank	1,225,515	3,977,892	161,760	449,911	1,673	846,949	1,460,293	4,786,298
Put on waste heap	26,030	.....	.....	.....	.....	.....	71,889	.....
Total disposition	7,781,929	26,649,517	1,553,633	2,503,123	346,449	4,206,637	8,681,731	30,313,197
Lifted from bank	1,131,162	3,676,236	35,816	530,370	1,404	857,048	1,424,638	4,672,378
Lifted from waste heap	1,665	.....	.....	.....	.....	.....	139	.....
Total output	6,649,102	22,973,281	1,517,817	1,972,753	345,045	3,349,589	7,256,954	25,640,819

Table 60.—Tonnages Put on Bank and Lifted from Bank in Nova Scotia, 1933-1937

(Short tons)

Month	1933		1934		1935		1936		1937	
	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	*125,655*	.....	*121,849*	.....	*170,944*	.....	*136,949*	.....	*231,332*	.....
January	100,993	8,034	56,785	4,947	230,210	41,178	174,777	58,966	224,078	81,107
February	101,303	6,226	94,681	4,531	194,688	44,647	151,146	55,872	193,857	60,576
March	63,872	7,580	115,794	6,642	171,316	48,700	229,823	53,399	177,286	66,760
April	31,172	4,700	146,705	42,812	155,079	33,397	96,674	49,710	172,536	63,371
May	13,347	10,019	17,972	76,194	55,877	80,927	40,920	110,542	48,149	150,937
June	6,009	68,652	14,298	135,196	30,416	183,392	62,700	160,316	61,768	213,676
July	10,951	69,309	33,103	131,145	37,983	188,820	39,942	123,311	63,707	193,727
August	7,259	61,247	15,050	127,448	28,240	205,536	24,895	167,530	49,087	200,313
September	10,119	58,399	19,267	88,043	26,985	121,471	48,139	116,734	56,881	150,984
October	12,779	51,127	25,805	25,163	65,678	151,613	33,187	89,616	56,743	122,547
November	8,974	50,891	59,897	26,222	70,520	81,067	79,757	79,367	115,038	57,626
December	35,896	10,296	147,755	49,680	140,598	60,837	243,585	65,799	241,163	63,014
Total	402,674	406,480	747,118	698,023	1,207,590	1,241,585	1,225,545	1,131,162	1,460,293	1,424,638

Table 61.—Shipments of Coal from Nova Scotia Mines, by Grades and by Destinations 1936 and 1937

(Short tons)

Destination	1936					1937				
	Run-of mine	Lump	Nut and other grades	Slack	**Total**	Run-of mine	Lump	Nut and other grades	Slack	**Total**
Coal supplied for bunkers	278,194	306	.....	2,141	**280,641**	309,768	7,530	16	2,019	**319,333**
Coal supplied to railroads—										
In Nova Scotia	247,967	67,143	278	16,817	**332,205**	331,768	58,890	97	15,487	**406,242**
In New Brunswick	59,529	27,668	152	11,327	**98,676**	70,341	24,966	261	9,852	**105,420**
In Quebec	152,029	197,371	.....	2,462	**351,862**	144,850	227,623	.....	1,939	**374,412**
In Ontario	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
In Prince Edward Island	5,754	3,227	80	2,801	**11,862**	4,208	3,474	57	4,269	**12,008**
Total in Canada	465,279	295,409	510	33,407	**794,605**	551,167	314,953	415	31,547	**898,082**
In Newfoundland	.....	6,386	.....	.....	**6,386**	.....	9,280	.....	.....	**9,280**
Nova Scotia Iron and Steel	135,829	296,123	9,644	781,290	**1,222,886**	4,630	84,648	.....	412,407	**501,685**
Nova Scotia other shipments by land						164,080	254,045	16,764	459,704	**894,593**
Nova Scotia by sea	15,496	36,514	11,061	60,675	**123,746**	18,463	61,272	12,435	57,708	**149,878**
New Brunswick	108,271	76,621	12,582	231,528	**429,002**	142,827	80,048	14,039	285,391	**522,305**
Newfoundland	11,839	91,632	.....	248	**103,719**	15,811	96,098	.....	12	**111,921**
Prince Edward Island	5,901	47,173	4,343	11,333	**68,750**	6,463	43,873	4,296	12,023	**66,655**
Quebec (a)	26,485	1,102,251	154,669	1,584,198	**2,867,603**	29,046	1,064,074	134,728	1,733,741	**2,961,589**
Ontario	.....	26,519	5,909	1,277	**33,705**	2,834	13,488	32,670	57,817	**106,809**
United States	33	1,973	130	64,966	**67,102**	349	1,134	.....	55,038	**56,521**
Other countries	151	3,464	.....	.....	**3,615**	1,145	3,440	.....	.....	**4,585**
Lost at sea	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total	1,947,478	1,984,371	198,848	2,771,063	**6,001,760**	1,246,583	2,033,883	215,363	3,107,407	**6,603,236**

(a) The 1936 and 1937 figures include a considerable quantity of coal sold for railroad use.

Table 62.—Exports of Canadian Coal through Nova Scotia Ports, 1933-1937

(Short tons)

Port	1933	1934	1935	1936	1937
Halifax	.....	.....	67	35	.....
Liverpool	.....	.....	.....	.....	.....
Lunenburg	.....	.....	.....	.....	.....
North Sydney	41,158	62,180	97,349	79,645	90,004
Pictou	.....	.....	.....	.....	.....
Sydney	74,940	107,792	135,181	122,823	29,378
Total	**116,098**	**169,972**	**232,597**	**202,503**	**119,382**

Table 63.—Imports into Nova Scotia of Anthracite and Bituminous Coal, by Ports of Entry, 1936 and 1937*

(Short tons)

Port	Source	1936					1937					
		Anthracite			Bituminous, all grades	Total coal	Anthracite				Bituminous, all grades	Total coal
		Grate, egg, stove, nut, doubles, cobbles and trebles	Peas, beans and smaller sizes n.o.p.	Total			Grate, egg, stove, nut, doubles, cobbles and trebles	Screenings or dust	Peas, beans and smaller sizes n.o.p.	Total		
Amherst	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Annapolis	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Antigonish	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Arichat	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Baddeck	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Barrington Passage	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Bridgewater	U.S.	326	.....	326	.....	**326**	254	.....	.....	254	.....	**254**
Canso	U.S.	299	.....	299	.....	**299**	212	.....	.....	212	.....	**212**
Digby	U.S.	125	.....	125	.....	**125**	120	.....	.....	120	.....	**120**
	G.B.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Glace Bay	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Halifax	U.S.	618	.....	618	.....	**618**	1,531	.....	.....	1,531	2,712	**4,243**
	G.B.	35,112	2,410	37,522	36,510	**74,032**	37,044	.....	7,644	44,688	31,203	**75,891**
	Germany.	792	3,249	4,041	2,321	**6,362**	13,169	.....	.....	13,169	6,955	**20,124**
Kentville	G.B.	941	.....	941	3,307	**4,248**	1,988	.....	.....	1,988	.....	**1,988**
Liverpool	U.S.	612	.....	612	.....	**612**	216	.....	.....	216	.....	**216**
	G.B.	944	.....	944	1,123	**2,067**	1,100	.....	.....	1,100	1,118	**2,218**
Lunenburg	U.S.	574	.....	574	.....	**574**	1,121	.....	.....	1,121	.....	**1,121**
	G.B.	2,243	.....	2,243	.....	**2,243**	2,217	.....	.....	2,217	.....	**2,217**
Middleton	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
New Glasgow	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
North Sydney	U.S.	40	.....	40	.....	**40**	.....	.....	.....	.....	6	**6**
Parrsboro'	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pictou	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Port Hawkesbury	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Port Hood	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Shelburne	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	G.B.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sydney	U.S.	.....	.....	.....	.....	.....	10	.....	.....	10	.....	**10**
Truro	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Weymouth	U.S.	165	.....	165	.....	**165**	201	.....	.....	201	.....	**201**
Windsor	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Yarmouth	U.S.	4,775	.....	4,775	2	**4,777**	4,941	.....	.....	4,941	55	**4,996**
	G.B.	1,978	.....	1,978	.....	**1,978**	1,969	.....	.....	1,969	.....	**1,969**
Total	U.S.	7,534	.....	7,534	2	**7,536**	8,606	.....	.....	8,606	2,773	**11,379**
	G.B.	41,218	2,410	43,628	40,940	**84,568**	44,318	.....	7,644	51,962	32,321	**84,283**
	Germany	792	3,249	4,041	2,321	**6,362**	13,169	.....	.....	13,169	6,955	**20,124**
Grand Total	.....	49,544	5,659	55,203	43,263	**98,466**	66,093	.....	7,644	73,737	42,049	**115,786**

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

Table 64.—Summary Statistics for Nova Scotia in 1937—Output, Exports, Interprovincial Shipments and Imports, by Months and by Kinds

(Short tons)

Month	Canadian Coal				Imported from U.S.A.	Imported from Great Britain	Imported from Germany
	Output	Received from other provinces	Shipped to other provinces	Exported			
January—							
Anthracite	...	...	...	...	695	6,416	6,480
Bituminous	500,455	...	91,102	26,294	...	3,132	...
Total	500,455	...	91,102	26,294	695	9,548	6,480
February—							
Anthracite	...	...	...	...	...	7,317	1,119
Bituminous	453,477	169	94,717	5,012	2,712	...	1,743
Total	453,477	169	94,717	5,012	2,712	7,317	2,862
March—							
Anthracite	...	...	...	...	607	3,249	2,148
Bituminous	453,659	119	94,353	14,109	...	...	927
Total	453,659	119	94,353	14,109	607	3,249	3,075
April—							
Anthracite	...	...	...	...	1,735	5,869	...
Bituminous	467,437	...	141,496	...	...	6,109	3,023
Total	467,437	...	141,496	...	1,735	11,978	3,023
May—							
Anthracite	...	...	...	...	1,162	4,966	...
Bituminous	639,377	34	505,855	5,580	...	...	1,109
Total	639,377	34	505,855	5,580	1,162	4,966	1,109
June—							
Anthracite	...	...	...	...	1,735	2,961	...
Bituminous	622,492	...	524,165	15,115	...	6,457	...
Total	622,492	...	524,165	15,115	1,735	9,418	...
July—							
Anthracite	...	...	...	...	273	1,988	...
Bituminous	694,786	...	572,252	9,035	55	3,133	...
Total	694,786	...	572,252	9,035	328	5,121	...
August—							
Anthracite	...	...	...	...	444	8,181	19
Bituminous	698,983	...	600,178	12,238	...	...	131
Total	698,983	...	600,178	12,238	444	8,181	150
September—							
Anthracite	...	...	...	...	153	...	...
Bituminous	697,474	...	549,158	12,064	...	...	...
Total	697,474	...	549,158	12,064	153	...	...
October—							
Anthracite	...	...	...	...	212	1,969	282
Bituminous	694,425	...	467,635	7,655	...	3,013	22
Total	694,425	...	467,635	7,655	212	4,982	304
November—							
Anthracite	...	...	...	...	654	...	651
Bituminous	700,919	...	353,059	7,043	...	6,348	...
Total	700,919	...	353,059	7,043	654	6,348	651
December—							
Anthracite	...	...	...	...	936	9,046	2,470
Bituminous	633,470	...	155,228	5,237	6	4,129	...
Total	633,470	...	155,228	5,237	942	13,175	2,470
Total—							
Anthracite	...	...	...	...	8,606	51,962	13,169
Bituminous	7,256,954	322	4,149,198	119,382	2,773	32,321	6,955
Total	7,256,954	322	4,149,198	119,382	11,379	84,283	20,124

Table 65.—Employees, Salaries and Wages in the Coal Mines of Nova Scotia, by Districts, 1936 and 1937

District	Average number of employees					Salaries and wages		
	Salaried employees		Wage-earners		Total			
	Male	Female	Surface	Underground		Salaries	Wages	Total
						$	$	$
1936								
Cape Breton	299	41	1,178	7,737	9,255	576,986	9,614,747	10,191,733
Cumberland	52	7	318	1,375	1,752	99,157	1,619,626	1,718,783
Inverness	23	2	125	284	434	30,101	356,748	386,849
Pictou	61	4	412	1,452	1,929	119,710	1,700,535	1,820,245
Nova Scotia	**435**	**54**	**2,033**	**10,848**	**13,370**	**825,954**	**13,291,656**	**14,117,610**
1937								
Cape Breton	312	41	1,219	7,867	9,439	658,590	11,327,640	11,986,230
Cumberland	50	8	281	4,269	1,608	101,879	1,933,001	2,034,880
Inverness	13	2	165	365	545	20,780	459,016	479,796
Pictou	60	4	476	1,626	2,166	116,775	1,984,427	2,101,202
Nova Scotia	**435**	**55**	**2,141**	**11,127**	**13,758**	**898,024**	**15,704,084**	**16,602,108**

Table 66.—Employment and Earnings in the Coal Mines of Nova Scotia, 1933-1937

—	1933	1934	1935	1936	1937
Average number of wage-earners—					
Surface	1,951	2,000	2,039	2,033	2,141
Underground	9,910	10,051	10,635	10,848	11,127
Total	**11,861**	**12,051**	**12,674**	**12,881**	**13,268**
Days' work done—					
Surface	386,132	503,219	507,045	510,586	577,019
Underground	1,629,929	2,304,706	2,244,059	2,410,460	2,703,767
Total	**2,016,061**	**2,807,925**	**2,751,104**	**2,921,046**	**3,280,786**
Average number of days worked per man per year—					
Surface	198	252	249	251	270
Underground	164	229	211	222	243
By all wage-earners	**170**	**233**	**217**	**227**	**247**
Total wages paid	**$ 8,667,718**	**$ 12,055,775**	**$ 12,071,021**	**$ 13,291,656**	**$ 15,701,084**

Table 67.—Wage-Earners and Work Done, by Months, in the Coal Mines of Nova Scotia in 1937

Month	Number of wage-earners			Days' work done		
	Surface	Underground	Total	Surface	Underground	Total
January	2,039	10,938	12,977	41,412	188,150	229,562
February	2,030	10,885	12,915	38,791	171,852	210,643
March	2,045	10,783	12,828	39,613	172,498	212,111
April	2,061	10,875	12,936	40,042	175,503	215,545
May	2,344	11,765	14,109	54,586	250,044	304,630
June	2,085	10,782	12,867	46,083	220,093	266,176
July	2,157	10,920	13,077	51,348	254,690	306,038
August	2,164	10,927	13,091	52,731	255,857	308,588
September	2,197	11,179	13,376	53,687	258,604	312,291
October	2,197	11,281	13,478	55,002	259,929	314,931
November	2,178	11,513	13,691	53,589	262,017	315,606
December	2,195	11,681	13,876	50,135	234,530	284,665
Total	.....	.....	.....	**577,019**	**2,703,767**	**3,280,786**

Table 68.—Number of Man-Days Worked, by Districts, in Nova Scotia, 1936 and 1937

District	1936			1937		
	Surface	Underground	Total	Surface	Underground	Total
Cape Breton	288,160	1,704,236	**1,992,396**	320,186	1,875,806	**2,195,992**
Cumberland	78,822	304,610	**383,432**	82,787	345,136	**427,923**
Inverness	35,719	62,782	**98,501**	44,234	81,975	**126,209**
Pictou	107,885	338,832	**446,717**	129,812	400,850	**530,662**
Total	**510,586**	**2,410,460**	**2,921,046**	**577,019**	**2,703,767**	**3,280,786**

Table 69.—Wage-Earners Employed in the Coal Mines of Nova Scotia, by Classes, 1936 and 1937

Classification	1936			1937		
	Surface	Underground	Total	Surface	Underground	Total
Administration	57	.....	**57**	54	.....	**54**
Foremen and officials	52	639	**691**	50	666	**716**
Clerks	106	.....	**106**	114	.....	**114**
Screenmen and loaders	655	.....	**655**	674	.....	**674**
Handcutters and helpers	.....	771	**771**	.....	787	**787**
Machine cutters and helpers	.....	926	**926**	.....	1,010	**1,010**
Machine loaders and helpers	.....	2,287	**2,287**	.....	2,299	**2,299**
Horse haulage employees	6	400	**406**	6	370	**376**
Mechanical haulage employees	17	1,536	**1,553**	12	1,572	**1,584**
Ventilation employees	.....	240	**240**	.....	239	**239**
Roadmakers	.....	295	**295**	.....	303	**303**
Timbermen	.....	1,107	**1,107**	.....	1,138	**1,138**
Pumpmen	2	105	**107**	2	89	**91**
Chute loaders	.....	93	**93**	.....	106	**106**
Enginemen	166	75	**241**	183	87	**270**
Firemen	138	.....	**138**	134	.....	**134**
Machinists	190	7	**197**	200	7	**207**
Carpenters and masons	112	.....	**112**	127	.....	**127**
Other mechanics	82	241	**323**	93	255	**348**
All other employees	450	2,126	**2,576**	492	2,199	**2,691**
Total	**2,033**	**10,848**	**12,881**	**2,141**	**11,127**	**13,268**

Table 70.—Capital Employed in the Coal Mines of Nova Scotia, 1936 and 1937

—	1936	1937
	$	$
Capital employed as represented by—		
Cost of lands, buildings, machinery and tools	36,980,155	41,604,785
Cost of supplies and stock on hand	3,213,068	3,365,312
Cash, trading and operating accounts and bills receivable	5,446,250	5,163,041
Total	**45,639,473**	**50,133,138**

CHAPTER FOUR

NEW BRUNSWICK

For five consecutive years, from 1931 to 1936, New Brunswick's coal output showed a steady advance. In 1937, however, there was a slight decline from the 1936 peak output due to a strike which commenced on October 13, 1937, and ended on January 10th, 1938. The 1937 production was 364,714 tons and the 1936 total, 368,618 tons. Mines in this province active during the year under review produced 78 per cent of their possible output; 17 per cent of the output loss was due to lack of orders. The computed tonnage lost due to causes other than strikes was 101,765 tons while strikes accounted for a further output loss of 85,200 tons.

New Brunswick mines shipped 355,881 tons of coal in 1937 of which 160,269 tons, or 45 per cent, were sold to railroads. The coal sold to railroads consisted of 36,904 tons of run-of-mine, 114,660 tons of lump, 693 tons of nut and other grades, and 8,012 tons of slack. Sales to industrial users totalled 148,099 tons; 38 per cent of this quantity was slack, 31 per cent, run-of-mine, and 26 per cent, stripping coal.

On the average, 1,050 wage-earners were employed in the operation of New Brunswick's coal mines. These men worked a total of 256,677 shifts during the year or an average of 244 days per man. The average output per man-day in 1937 was 1·42 tons compared with 1·371 tons in 1936.

Table 71.—Output of Coal from New Brunswick Mines, 1887-1937

(Short tons)

Calendar year	Output	Value	Calendar year	Output	Value	Calendar year	Output	Value
		$			$			$
1887	10,040	23,607	1906	34,076	68,152	*1925	208,012	815,367
1888	5,730	11,050	1907	34,584	77,814	*1926	173,111	710,245
1889	5,673	11,733	1908	60,000	135,000	*1927	203,950	885,038
1890	7,110	13,850	1909	49,029	98,496	*1928	207,738	869,104
1891	5,422	11,030	1910	55,455	110,910	*1929	218,706	909,169
1892	6,768	9,375	1911	55,781	111,562	*1930	209,349	864,118
1893	6,200	9,837	1912	44,780	89,560	*1931	182,181	743,196
1894	6,469	10,264	1913	70,311	166,637	*1932	212,695	794,168
1895	9,500	14,250	1914	98,049	241,075	*1933	312,303	1,041,744
1896	7,500	11,250	1915	127,391	309,612	*1934	314,750	1,026,343
1897	6,000	9,000	1916	143,540	386,016	*1935	346,024	1,129,019
1898	6,160	9,240	1917	189,095	708,010	*1936	368,618	1,190,032
1899	10,528	15,792	1918	268,212	1,331,710	*1937	364,714	1,180,611
1900	10,000	15,000	*1919	166,377	735,386			
1901	17,630	51,857	*1920	171,610	1,091,440	**Total**	**6,052,921**	**22,360,639**
1902	18,795	39,680	*1921	187,192	920,666			
1903	16,000	40,000	*1922	287,513	1,107,643			
1904	9,112	18,224	*1923	276,617	1,196,772			
1905	29,400	58,800	*1924	217,121	932,185			

* For the years 1919-1937 the tonnage shown is the total output from all mines; for previous years the figures given include only sales, colliery consumption and coal used by operators.

Table 72.—Output of Coal from New Brunswick Mines, by Months, 1933-1937

(Short tons)

Month	1933	1934	1935	1936	1937
January	25,510	29,549	35,198	36,836	40,359
February	26,151	30,219	34,736	39,476	41,362
March	33,270	31,742	37,805	25,089	44,070
April	25,001	19,570	23,298	30,269	34,325
May	24,037	24,622	26,229	27,571	27,896
June	27,310	17,136	22,299	23,585	36,599
July	23,501	23,124	22,069	26,110	32,528
August	21,412	24,984	26,448	22,981	31,260
September	24,288	27,142	22,561	28,843	32,722
October	24,458	26,500	32,605	32,856	17,539
November	29,117	30,664	27,240	36,325	12,172
December	28,248	29,498	35,536	38,677	13,882
Total	**312,303**	**314,750**	**346,024**	**368,618**	**364,714**

Table 73.—Tonnage Lost in New Brunswick Coal Mines, Showing the Relative Percentage Produced and Lost, with an Analysis of the Percentage Lost, 1936 and 1937

Year	Per cent produced	Per cent lost	Percentage lost through				
			Absenteeism	Lack of orders	Car shortage	Mine disability	Other causes
1936	74	26	2·4	22·4	0·0	0·7	0·5
1937	78	22	2·6	17·0	0·0	2·1	0·3

Table 74.—Disposition of Coal from New Brunswick Mines, by Grades, 1936 and 1937

(Short tons)

—	1936					1937						
	Run-of-mine	Screen-Lump	Slack	Total		Stripping coal	Run-of-mine	Lump	Nut and other grades	Slack	Total	
				Quantity	Value						Quantity	Value
					$							$
Supplied to employees for domestic consumption	3,865	22	.....	3,887	9,997	1	3,312	.....	.....	70	3,383	8,965
Shipped as per Table 75	119,226	157,214	85,010	361,450	1,171,792	40,681	95,349	137,226	3,238	79,387	355,881	1,157,600
Used under colliery boilers, etc.	1,212	.....	1,121	2,333	6,579	1,357	1,881	.....	.....	722	3,960	10,005
Used by companies' railroads	1,240	.....	.....	1,240	3,683	.....	800	.....	.....	.....	800	2,325
Put on bank	2,362	1,951	13,671	17,984	42,637	2,371	921	1,564	.....	9,452	14,308	40,990
Put on waste heap	.....	.....	.....	709	.....	.....	.....	.....	.....	.....	615	.....
Total disposition	**127,905**	**159,187**	**99,802**	**387,603**	**1,234,688**	**44,410**	**102,263**	**138,790**	**3,238**	**89,631**	**378,947**	**1,219,885**
Lifted from bank	2,687	1,934	14,364	18,985	44,656	2,219	1,299	1,648	.....	9,067	14,233	39,274
Lifted from waste heap	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total output	**125,218**	**157,253**	**85,438**	**368,618**	**1,190,032**	**42,191**	**100,964**	**137,142**	**3,238**	**80,564**	**364,714**	**1,180,611**

Table 75.—Shipments of Coal from New Brunswick Mines, by Grades and Destination, 1936 and 1937

(Short tons)

Destination	1936				1937					
	Run-of-mine	Lump	Slack	Total	Stripping coal	Run-of-mine	Lump	Nut and other grades	Slack	Total
New Brunswick	62,789	23,219	67,785	153,793	16,417	49,944	16,183	2,497	60,902	145,943
Nova Scotia	.....	.....	.....	.....	.....	.....	322	.....	.....	322
Prince Edward Island	47	1,900	.....	1,947	47	200	1,107	.....	.....	1,354
Quebec	13,319	2,519	5,847	21,685	20,382	8,150	2,516	48	7,461	38,557
Ontario	680	.....	.....	680	3,835	.....	.....	.....	63	3,898
United States	1,951	2,668	2,504	7,123	.....	135	1,832	.....	2,949	4,916
Railroads—										
In Canada	40,440	126,483	8,874	175,797	.....	36,904	114,660	693	7,515	159,772
In United States	.....	.....	.....	.....	.....	.....	.....	.....	497	497
Total	*40,440*	*126,483*	*8,874*	*175,797*	.....	*36,904*	*114,660*	*693*	*8,012*	*160,269*
Ships' bunkers	.....	425	.....	425	.....	16	606	.....	.....	622
Total	**119,226**	**157,214**	**85,010**	**361,450**	**40,681**	**95,349**	**137,226**	**3,238**	**79,387**	**355,881**

Table 76.—Output of Coal by Principal Collieries in New Brunswick, 1935-1937 (Average output of 500 tons or more per month)

(Short tons)

Name	Address	1935	1936	1937
Avon Coal Co., Ltd.	Saint John	52,227	52,153	44,569
Evans, W. B.	Minto	35,492	31,401	29,403
Maritime Mining Syndicate	Chipman	.....	3,853	11,973
McDougal Bros.	Minto	1,512	9,468	11,791
Minto Coal Co., Ltd.	Minto	79,253	83,082	81,166
Miramichi Lumber Co., Ltd.	Minto	68,640	65,439	54,810
Mitchell, Parker D.	West Saint John	4,465	6,032	5,326
Myles, Geo. H. & Co.	Minto	8,244	8,150	16,564
Newcastle Coal Co.	Newcastle Bridge	9,230	12,895	10,209
Welton, Harvey	Minto	14,863	13,006	9,957
Welton & Henderson Ltd.	Minto	66,306	77,886	80,290
All other operators	.....	5,792	5,253	8,656
Total	.....	**346,024**	**368,618**	**364,714**

Table 77.—Exports of Canadian Coal through New Brunswick Ports, 1933-1937

(Short tons)

Port	1933	1934	1935	1936	1937
McAdam Junction	.....	.....	1	38	1
St. Andrews	.....	.....	.....	.....	.....
Saint John	962	1,815	2,454	1,350	.....
St. Stephen	20	19	39	4,012	3,528
Woodstock	54,734	40,294	59,636	69,203	81,413
Total	**55,716**	**42,128**	**62,130**	**74,603**	**84,942**

Table 78.—Imports into New Brunswick of Anthracite and Bituminous Coal, by Sources and by Ports of Entry, 1936 and 1937*

(Short tons)

Port	Source	1936					1937					
		Anthracite					Anthracite					
		Grate egg, stove, nut, doubles, cobbles and trebles	Peas, beans and smaller sizes n.o.p.	Total	Bituminous, all grades	**Total**	Grate egg, stove, nut, doubles, cobbles and trebles	Screenings or dust	Peas, beans, and smaller sizes n.o.p.	Total	Bituminous, all grades	**Total**
Bathurst	U.S.	.....	.....	.....	4,674	**4,674**	.....	.....	.....	.....	93	**93**
Campbellton	U.S.	.....	.....	.....	32	**32**	47	.....	.....	47	45	**92**
	G.B.	1,005	.....	1,005	.....	**1,005**	.....	.....	.....	.....	.....	.....
Chatham	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Fredericton	U.S.	.....	.....	.....	71	**71**	.....	.....	.....	.....	131	**131**
McAdam Junct.	U.S.	.....	.....	.....	10	**10**	.....	.....	.....	.....	24	**24**
Sackville	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	G.B.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
St. Andrews	U.S.	114	.....	114	67	**181**	55	.....	3	58	24	**82**
Saint John	U.S.	14,578	337	14,915	9,594	**24,509**	19,756	.....	439	20,195	11,164	**31,359**
	G.B.	66,799	3,212	70,011	22,253	**92,264**	65,058	.....	2,521	67,579	14,862	**82,441**
	Germany	.....	.....	.....	.....	.....	4,927	.....	.....	4,927	.....	**4,927**
St. Stephen	U.S.	13	2	15	2,203	**2,218**	11	.....	1	12	2,061	**2,073**
	G.B.	2,523	.....	2,523	.....	**2,523**	4,772	.....	.....	4,772	.....	**4,772**
Woodstock	U.S.	35	.....	35	203	**238**	40	.....	.....	40	226	**266**
	G.B.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total	**U.S.**	**14,740**	**339**	**15,079**	**16,854**	**31,933**	**19,909**	.....	**443**	**20,352**	**13,768**	**34,120**
	G.B.	**70,327**	**3,212**	**73,539**	**22,253**	**95,792**	**69,830**	.....	**2,521**	**72,351**	**14,862**	**87,213**
	Germany	.....	.....	.....	.....	.....	**4,927**	.....	.....	**4,927**	.....	**4,927**
Grand total		**85,067**	**3,551**	**88,618**	**39,107**	**127,725**	**94,666**	.....	**2,964**	**97,630**	**28,630**	**126,260**

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

Table 79.—Summary Statistics for New Brunswick in 1937—Output, Exports, Interprovincial Shipments and Imports, by Months and by Kinds

(Short tons)

Month	Canadian Coal				Imported from U.S.A.	Imported from Great Britain	Imported from Gremany
	Output	Received from other provinces	Shipped to other provinces	Exported			
January—							
Anthracite	.....	.....	.....	.....	1,199	7,034	.....
Bituminous	40,359	48,735	2,756	6,013	128	3,795	.....
Total	40,359	48,735	2,756	6,013	1,327	10,829	.....
February—							
Anthracite	.....	.....	.....	.....	345	15,695	4,927
Bituminous	41,362	46,801	2,929	6,274	371	2,125	.....
Total	41,362	46,801	2,929	6,274	716	17,820	4,927
March—							
Anthracite	.....	.....	.....	.....	34	10,391	.....
Bituminous	44,070	46,560	3,701	9,796	599	2,417	.....
Total	44,070	46,560	3,701	9,796	633	12,808	.....
April—							
Anthracite	.....	.....	.....	.....	2,163	15,034	.....
Bituminous	34,325	31,814	2,842	4,636	111	331	.....
Total	34,325	31,814	2,842	4,636	2,274	15,365	.....
May—							
Anthracite	.....	.....	.....	.....	4,209	2,850	.....
Bituminous	27,896	51,779	2,560	6,159	.....	.....	.....
Total	27,896	51,779	2,560	6,159	4,209	2,850	.....
June—							
Anthracite	.....	.....	.....	.....	2,138	1,960	.....
Bituminous	36,599	36,442	3,446	10,310	1,986	.....	.....
Total	36,599	36,442	3,446	10,310	4,124	1,960	.....
July—							
Anthracite	.....	.....	.....	.....	1,127	5,276	.....
Bituminous	32,528	55,596	5,723	6,937	248	2,188	.....
Total	32,528	55,596	5,723	6,937	1,375	7,464	.....
August—							
Anthracite	.....	.....	.....	.....	2,528	2,020	.....
Bituminous	31,260	50,443	4,352	8,951	5,127	.....	.....
Total	31,260	50,443	4,352	8,951	7,655	2,020	.....
September—							
Anthracite	.....	.....	.....	.....	.....	2,402	.....
Bituminous	32,722	61,954	4,857	7,474	408	2,178	.....
Total	32,722	61,954	4,857	7,474	408	4,580	.....
October—							
Anthracite	.....	.....	.....	.....	1,961	2,293	.....
Bituminous	17,539	59,111	3,088	7,106	.....	.....	.....
Total	17,539	59,111	3,088	7,106	1,961	2,293	.....
November—							
Anthracite	.....	.....	.....	.....	3,445	1,917	.....
Bituminous	12,172	59,460	4,295	5,053	1,882	.....	.....
Total	12,172	59,460	4,295	5,053	5,327	1,917	.....
December—							
Anthracite	.....	.....	.....	.....	1,203	5,479	.....
Bituminous	13,882	79,030	3,582	6,233	2,908	1,828	.....
Total	13,882	79,030	3,582	6,233	4,111	7,307	.....
Total—							
Anthracite	.....	.....	.....	.....	**20,352**	**72,351**	**4,927**
Bituminous	**364,714**	**627,725**	**44,131**	**84,942**	**13,768**	**14,862**	.....
Total	**364,714**	**627,725**	**44,131**	**84,942**	**34,120**	**87,213**	**4,927**

Table 80.—Employees, Salaries and Wages in the Coal Mines of New Brunswick, 1936 and 1937

—	1936	1937
Number of salaried employees—		
Male	32	37
Female	6	6
Number of wage-earners—		
Surface	258	273
Underground	900	777
Total	**1,196**	**1,093**
Salaries and wages—		
Salaries	$ 71,121	$ 80,095
Wages	$ 768,025	$ 756,883
Total	**$ 839,146**	**$ 836,978**

Table 81.—Employment and Earnings in the Coal Mines of New Brunswick, 1933-1937

—	1933	1934	1935	1936	1937
Average number of employees—					
Surface	209	202	241	258	273
Underground	816	833	895	900	777
Total	**1,025**	**1,035**	**1,136**	**1,158**	**1,050**
Days' work done—					
Surface	46,079	46,721	57,118	60,723	66,677
Underground	210,129	190,463	207,811	208,134	190,000
Total	**256,208**	**237,184**	**264,929**	**268,857**	**256,677**
Average number of days worked per man per year—					
Surface	220	231	237	235	244
Underground	258	229	232	231	245
By all wage-earners	**250**	**229**	**231**	**232**	**244**
Total wages paid	**$ 861,408**	**$ 678,844**	**$ 729,600**	**$ 768,025**	**$ 756,883**

Table 82.—Wage-Earners and Work Done, by Months, in the Coal Mines of New Brunswick, 1937

Month	Number of wage-earners			Days' work done		
	Surface	Underground	Total	Surface	Underground	Total
January	267	1,008	1,275	6,156	24,402	**30,558**
February	265	1,027	1,292	5,768	23,398	**29,166**
March	289	1,011	1,300	6,633	24,742	**31,375**
April	277	895	1,172	5,423	17,541	**22,964**
May	273	844	1,117	5,351	15,146	**20,497**
June	315	805	1,120	6,952	18,105	**25,057**
July	328	792	1,120	6,377	14,227	**20,604**
August	304	789	1,093	6,355	14,835	**21,190**
September	309	778	1,087	6,488	14,879	**21,367**
October	289	760	1,049	4,289	9,331	**13,620**
November	174	283	457	3,587	6,070	**9,657**
December	186	332	518	3,298	7,324	**10,622**
Total	.....	.....	.....	**66,677**	**190,000**	**256,677**

Table 83.—Wage-Earners Employed in the Coal Mines of New Brunswick, by Classes, 1936 and 1937

Classification	1936			1937		
	Surface	Underground	Total	Surface	Underground	Total
Administration	20	.....	20	23	.....	23
Foremen and officials	11	15	26	14	14	28
Clerks	15	.....	15	16	.....	16
Screenmen and loaders	58	.....	58	66	.....	66
Hand cutters and helpers	.....	493	493	.....	446	446
Machine cutters and helpers	.....	78	78	.....	80	80
Machine loaders and helpers	.....	183	183	.....	154	154
Horse haulage employees	3	.....	3	3	.....	3
Mechanical haulage employees	1	.....	1	1	6	7
Ventilation employees	.....	.....	.....	.....	2	2
Roadmakers	.....	19	19	.....	13	13
Timbermen	5	24	29	4	15	19
Pumpmen	1	4	5	2	3	5
Enginemen	19	.....	19	19	.....	19
Firemen	4	.....	4	6	.....	6
Machinists	1	.....	1	1	.....	1
Carpenters and masons	7	.....	7	9	.....	9
Other mechanics	3	.....	3	5	.....	5
All other employees	110	84	194	104	44	148
Total	**258**	**900**	**1,158**	273	777	**1,050**

Table 84.—Capital Employed in the Coal Mines of New Brunswick, 1936 and 1937

—	1936	1937
	$	$
Capital employed as represented by—		
Cost of lands, buildings, machinery and tools	1,026,542	935,121
Cost of supplies and stock on hand	68,517	32,419
Cash, trading and operating accounts and bills receivable	275,622	341,229
Total	**1,370,681**	**1,308,769**

CHAPTER FIVE

QUEBEC

Quebec's coal supply in 1937 was obtained principally from the province of Nova Scotia, the United States, Great Britain, Germany, and Russia; in addition, smaller tonnages were received from the neighbouring province of New Brunswick, Belgium, Esthonia, Norway and Morocco. During the year, Nova Scotia mines furnished 60·2 per cent of the demand for bituminous coal in this province. The quantity of this coal retained for consumption in Quebec was 2,231,543 tons; in addition, 1,104,383 tons of Nova Scotia coal were consigned to Montreal and thence trans-shipped to Ontario points. Shipments from the United States consisted of 355,734 tons of anthracite coal and 1,359,694 tons of bituminous coal (this latter amount includes some coal imported into Ontario and then shipped to Quebec). Great Britain supplied Quebec consumers with 607,593 tons of anthracite coal and 3,731 tons of bituminous coal in 1937. The anthracite tonnage represents only the quantity remaining within the province as an additional 399,010 tons of anthracite coal were imported through Quebec ports for trans-shipment to Ontario. Receipts from Germany included 238,739 tons of anthracite coal and 38,382 tons of bituminous coal. Russian anthracite coal to a total of 160,889 tons was imported into Quebec in 1937; of this quantity, 142,605 tons remained in the province and 18,284 tons were shipped to Ontario.

Table 85.—Tonnage of Coal Retained in Quebec for Consumption during 1935, 1936 and 1937

(Short tons)

—	1935	1936	1937
ANTHRACITE—			
From—Great Britain	785,725	702,104	607,593
Germany	239,016	311,511	238,739
Belgium		44,543	8,131
United States	316,562	261,645	355,734
French Indo-China	8,341	58,051	.....
Russia	.....	.....	142,605
Netherlands	.....	8,951	.....
Morocco	.....	.....	78
Total	**1,349,644**	**1,386,805**	**1,352,880**
BITUMINOUS—			
From—Great Britain	293,117	74,328	3,731
United States	735,593	873,225	1,359,694
Germany	.....	7,100	38,382
Norway, Esthonia, Denmark, Sweden and Newfoundland	341	985	313
Total Imported	**1,029,051**	**955,638**	**1,402,120**
Nova Scotia (including coal for railroads)	1,721,849	2,207,954	2,231,543
New Brunswick	13,855	20,827	38,557
Total Canadian	**1,735,704**	**2,228,781**	**2,270,100**

Table 86.—Exports of Canadian Coal through Quebec Ports, 1933-1937

(Short tons)

Port	1933	1934	1935	1936	1937
Athelstan		50			
Coaticook					
Lake Megantic			2	4	18
Montreal			75	6	1
Quebec					38
Rock Island					8
St. John's					
Sutton				8	10
Three Rivers					
Total		**50**	**77**	**18**	**75**

Table 87.—Imports into Quebec of Anthracite and Bituminous Coal, by Ports of Entry, 1936 and 1937*

(Short tons)

Port	Source	1936					1937					
		Anthracite					Anthracite					
		Grate, egg, stove, nut, doubles, cobbles and trebles	Peas, beans smaller sizes n.o.p.	Total	Bituminous, all grades	**Total**	Grate, egg, stove, nut, doubles, cobbles and trebles	Screenings or dust	Peas, beans and smaller sizes n.o.p.	Total	Bituminous, all grades	**Total**
Athelstan	U.S.	7,397	665	8,062	1,456	**9,518**						
Chicoutimi	U.S.				46,398	**46,398**					145,492	**145,492**
	G.B.	1,123	4,460	5,583		**5,583**	5,291		4,960	10,251		**10,251**
Coaticook	U.S.		78	78		**78**			52	52		**52**
	G.B.											
Drummondville	U.S.		88	88	517	**605**			88	88	357	**445**
Gaspé	U.S.											
Granby	U.S.	99		99		**99**	206			206	585	**791**
Hull	U.S.	3,669	806	4,475	3,222	**7,697**	4,202		1,359	5,561	344	**5,905**
Huntingdon	U.S.	39,452	4,239	43,691	6,888	**50,579**	72,885		8,962	81,847	30,959	**112,806**
Lake Megantic	U.S.											
Montreal	U.S.	5,624	312	5,936	456,684	**462,620**	20,796	80	5,105	25,981	589,048	**615,029**
	G.B.	707,154	304,811	1,011,965	70,485	**1,082,450**	605,224	8,120	253,975	867,319	2,811	**870,130**
	Germany	303,653	37,625	341,278	7,100	**348,378**	191,333		17,361	208,694	25,286	**233,980**
	Belgium	37,055	7,488	44,543		**44,543**	8,131			8,131		**8,131**
	French Indo-China	31,103	57,599	88,702		**88,702**						
	Russia						125,525		18,725	144,250		**144,250**
	Netherlands	8,951		8,951	35	**8,986**						
	Norway				361	**361**					113	**113**
	Sweden				45	**45**						
	Denmark				124	**124**						
	Morocco								78	78		**78**
	Esthonia				134	**134**					200	**200**
Paspebiac	U.S.										49,095	**49,095**

Table 87.—Imports into Quebec of Anthracite and Bituminous Coal, by Ports of Entry, 1936 and 1937*—Concluded

(Short tons)

Port	Source	1936					1937					
		Anthracite					Anthracite					
		Grate, egg, stove, nut, doubles, cobbles and trebles	Peas, beans smaller sizes n.o.p.	Total	Bituminous, all grades	Total	Grate, egg, stove, nut, doubles, cobbles and trebles	Screenings or dust	Peas, beans and smaller sizes n.o.p.	Total	Bituminous, all grades	Total
Quebec	U.S.	21,670	.....	21,670	24,305	45,975	20,507	.....	358	20,865	122,253	143,118
	G.B.	26,353	103,011	129,364	1,925	131,289	21,488	.....	74,928	96,416	731	97,147
	Germany	10,526	.....	10,526	.....	10,526	42,806	.....	.....	42,806	.....	42,806
	Russia	.....	.....	.....	.....	.....	8,318	.....	.....	8,318	.....	8,318
	Newfoundland	.....	.....	.....	286	286	.....	.....	.....	.....	.....	.....
Rimouski	U.S.	28	.....	28	.....	28	1,216	.....	.....	1,216	18,272	19,488
	G.B.	854	2,080	2,934	.....	2,934	2,128	.....	.....	2,128	.....	2,128
Rock Isl.	U.S.	547	340	887	62	949	796	.....	212	1,008	56	1,064
St. Armand	U.S.	231	816	1,047	10	1,057	200	.....	298	498	.....	498
St. Hyacinthe	U.S.	154	284	438	89	527	621	.....	200	821	32	853
St. John's	U.S.	115,354	26,641	141,995	75,301	217,296	153,637	6,869	24,821	185,327	83,781	269,108
Shawinigan Falls	U.S.	85	.....	85	135	220	104	.....	44	148	38,155	38,303
Sherbrooke	U.S.	2,868	18,718	21,586	2,502	24,088	2,203	.....	17,465	19,668	2,920	22,588
	G.B.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sorel	U.S.	1,689	67	1,756	25,906	27,662	1,240	.....	436	1,676	38,546	40,222
	G.B.	.....	.....	.....	.....	.....	.....	.....	.....	.....	189	189
	Germany	.....	.....	.....	.....	.....	.....	.....	.....	.....	13,096	13,096
Sutton	U.S.	.....	3	3	2	5	.....	.....	.....	.....	4	4
	G.B.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Three Rivers	U.S.	5,433	46	5,479	1,369	6,848	3,921	.....	2,302	6,223	19,516	25,739
	G.B.	6,282	3,404	9,686	5,260	14,946	3,490	.....	2,378	5,868	.....	5,868
	Germany	4,148	.....	4,148	.....	4,148	.....	.....	.....	.....	.....	.....
	Russia	.....	.....	.....	.....	.....	8,288	.....	.....	8,288	.....	8,288
Valleyfield	U.S.	3,896	346	4,242	160	4,402	3,841	.....	708	4,549	226	4,775
	Russia	.....	.....	.....	.....	.....	.....	.....	33	33	.....	33
Total	**U.S.**	**208,196**	**53,449**	**261,645**	**645,006**	**906,651**	**286,375**	**6,949**	**62,410**	**355,734**	**1,139,641**	**1,495,375**
	G.B.	**741,766**	**417,766**	**1,159,532**	**77,670**	**1,237,202**	**637,621**	**8,120**	**336,241**	**981,982**	**3,731**	**985,713**
	Germany	**318,327**	**37,625**	**355,952**	**7,100**	**363,052**	**234,139**	.....	**17,361**	**251,500**	**38,382**	**289,882**
	Belgium	**37,055**	**7,488**	**44,543**	.....	**44,543**	**8,131**	.....	.....	**8,131**	.....	**8,131**
	French Indo-China	**31,103**	**57,599**	**88,702**	.....	**88,702**	.....	.....	.....	.....	.....	.....
	Russia	.....	.....	.....	.....	.....	**142,131**	.....	**18,758**	**160,889**	.....	**160,889**
	Netherlands	**8,951**	.....	**8,951**	**35**	**8,986**	.....	.....	.....	.....	.....	.....
	Norway	.....	.....	.....	**361**	**361**	.....	.....	.....	.....	**113**	**113**
	Sweden	.....	.....	.....	**45**	**45**	.....	.....	.....	.....	.....	.....
	Denmark	.....	.....	.....	**124**	**124**	.....	.....	.....	.....	.....	.....
	Morocco	.....	.....	.....	.....	.....	.....	.....	**78**	**78**	.....	**78**
	Esthonia	.....	.....	.....	**134**	**134**	.....	.....	.....	.....	**200**	**200**
	Newfoundland	.....	.....	.....	**286**	**286**	.....	.....	.....	.....	.....	.....
Grand Total	.....	**1,345,398**	**573,927**	**1,919,325**	**730,761**	**2,650,086**	**1,308,397**	**15,069**	**434,848**	**1,758,314**	**1,182,067**	**2,940,381**

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

Table 88.—Summary Statistics for Quebec in 1937—Exports, Interprovincial Shipments and Imports*, by Months and by Kinds

(Short tons)

Month	Canadian coal		Imported from U.S.A.	Imported from Great Britain	Imported from Germany	Imported from Belgium	Imported from Russia	Imported from Norway	Imported from Esthonia	Imported from Morocco
	†Received from other provinces	Exported								
January—										
Anthracite	.....	.....	19,180	.....	.....	.....	.....	.....	.....	.....
Bituminous	37,469	.....	16,965	.....	.....	.....	.....	.....	.....	.....
Total	37,469	.....	36,145	.....	.....	.....	.....	.....	.....	.....
February—										
Anthracite	.....	.....	18,168	.....	.....	.....	.....	.....	.....	.....
Bituminous	44,085	.....	25,106	.....	.....	.....	.....	.....	.....	.....
Sub-bituminous	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total	44,085	.....	43,274	.....	.....	.....	.....	.....	.....	.....
March—										
Anthracite	.....	.....	27,006	.....	.....	.....	.....	.....	.....	.....
Bituminous	42,337	4	26,103	.....	.....	.....	.....	.....	.....	.....
Total	42,337	4	53,109	.....	.....	.....	.....	.....	.....	.....
April—										
Anthracite	.....	.....	36,817	20,195	.....	.....	.....	.....	.....	.....
Bituminous	106,910	.....	27,500	.....	.....	.....	.....	.....	.....	.....
Total	106,910	.....	64,317	20,195	.....	.....	.....	.....	.....	.....
May—										
Anthracite	.....	.....	41,147	108,710	10,535	.....	14,186	.....	.....	.....
Bituminous	428,875	36	123,551	.....	.....	.....	.....	8	.....	.....
Total	428,875	36	164,698	108,710	10,535	.....	14,186	8	.....	.....
June—										
Anthracite	.....	.....	28,832	149,819	44,319	.....	13,620	.....	.....	.....
Bituminous	475,841	8	140,532	57	13,343	.....	.....	.....	.....	.....
Total	475,841	8	169,364	149,876	57,662	.....	13,620	.....	.....	.....
July—										
Anthracite	.....	.....	34,796	159,878	32,042	.....	48,189	.....	.....	.....
Bituminous	509,682	1	139,222	1,910	2,820	.....	.....	35	200	.....
Total	509,682	1	174,018	161,788	34,862	.....	48,189	35	200	.....
August—										
Anthracite	.....	.....	9,568	127,786	41,603	.....	48,584	.....	.....	.....
Bituminous	518,621	17	128,764	844	.....	.....	.....	30	.....	.....
Total	518,621	17	138,332	128,630	41,603	.....	48,584	30	.....	.....
September—										
Anthracite	.....	.....	26,076	125,454	41,090	8,131	14,002	.....	.....	.....
Bituminous	469,439	1	184,757	.....	.....	.....	.....	.....	.....	.....
Total	469,439	1	210,833	125,454	41,090	8,131	14,002	.....	.....	.....
October—										
Anthracite	.....	.....	34,465	160,386	27,242	.....	22,308	.....	.....	.....
Bituminous	397,788	.....	143,014	.....	8,019	.....	.....	40	.....	.....
Total	397,788	.....	177,479	160,386	35,261	.....	22,308	40	.....	.....
November—										
Anthracite	.....	.....	51,767	123,658	49,659	.....	.....	.....	.....	78
Bituminous	281,635	8	149,019	189	7,831	.....	.....	.....	.....	.....
Total	281,635	8	200,786	123,847	57,490	.....	.....	.....	.....	78
December—										
Anthracite	.....	.....	27,912	6,096	5,010	.....	.....	.....	.....	.....
Bituminous	61,876	.....	35,108	731	6,369	.....	.....	.....	.....	.....
Total	61,876	.....	63,020	6,827	11,379	.....	.....	.....	.....	.....
Total—										
Anthracite	.....	.....	**355,734**	**981,982**	**251,500**	**8,131**	**160,889**	.....	.....	**78**
Bituminous	**3,374,558**	**75**	**1,139,641**	**3,731**	**38,382**	.....	.....	**113**	**200**	.....
Sub-bituminous	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total	**3,374,558**	**75**	**1,495,375**	**985,713**	**289,882**	**8,131**	**160,889**	**113**	**200**	**78**

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

CHAPTER SIX

ONTARIO

The coal situation in Ontario is similar to that of Quebec in so far as the dependence on outside sources for supplies is concerned. In 1937, the United States shipped 10,788,716 tons of bituminous coal and 1,603,033 tons of anthracite coal for consumption in the central area. In addition, 267,021 tons were consigned to this area for re-shipment to Quebec. Direct importations from Great Britain into Central Ontario consisted of 26,607 tons of anthracite coal and 52 tons of bituminous coal; this supply was augmented by 399,010 tons of anthracite coal transshipped from Montreal, Quebec, and Saint John, New Brunswick. German anthracite coal to a total of 12,834 tons was brought into Ontario during the year; bituminous coal receipts from this source totalled 8,724 tons. Transshipment of Russian anthracite coal from Montreal to Ontario centres totalled 18,284 tons in 1937. Nova Scotia operators shipped 106,809 tons direct from their mines to Ontario; shipments from stock at Montreal added a further 1,104,383 tons to this supply. Shipments from Alberta mines to Ontario included 9,078 tons of bituminous coal, 18,367 tons of sub-bituminous coal, and 35,871 tons of lignite coal. The Crow's Nest Pass district in British Columbia shipped 20,741 tons to Ontario compared with 19,742 tons, a year ago. Lignite coal, amounting to 9,224 tons, was received from Saskatchewan mines; in the preceding year, the total was 10,009 tons.

Table 89.—Tonnage of Coal Retained in Ontario for Consumption during 1935, 1936 and 1937

(Short tons)

—	1935	1936	1937
ANTHRACITE—			
From—Great Britain, imported direct	29,657	51,503	26,607
Great Britain, received ex-Montreal*	538,496	480,746	399,010
Belgium, received ex-Montreal	29,883	.....	.....
Germany, received ex-Montreal		44,441	12,761
Germany, imported direct	.....	.....	73
French Indo-China, imported direct	29,760	.....	.....
French Indo-China, received ex-Montreal	16,346	30,651	.....
Russia, received ex-Montreal	.....	.....	18,284
Netherlands, imported direct	.....	7,280	.....
United States, imported direct	1,310,967	1,388,829	1,603,033
Total	**1,955,109**	**2,003,450**	**2,059,768**
BITUMINOUS—			
From—Great Britain, imported direct	860	.....	52
Great Britain, received ex-Montreal	3,164	3,342	.....
United States	8,325,718	9,044,108	10,788,716
Germany, imported direct	.....	.....	8,724
Nova Scotia, received ex-mines	5,454	33,705	106,809
Nova Scotia, received ex-Montreal	920,970	1,011,511	1,104,383
New Brunswick, received ex-mines	.....	1,181	3,898
Alberta (including sub-bituminous)	27,296	26,440	27,445
British Columbia	14,274	19,742	20,741
Total	**9,297,736**	**10,140,029**	**12,060,768**
LIGNITE—			
From—Saskatchewan	4,609	10,009	9,224
Alberta	14,274	39,739	35,871
Total	**18,883**	**49,748**	**45,095**

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

Table 90.—Exports of Canadian Coal through Ontario Ports, 1933-1937

(Short tons)

Port	1933	1934	1935	1936	1937
Bridgeburg	.....	.....	.....	.....	.....
Fort Frances	.....	1	106	111	.....
Niagara Falls	.....	.....	1	.....	1
Sarnia	.....	.....	1	.....	.....
Toronto	.....	.....	.....	.....	.....
Total	.....	**1**	**108**	**111**	**1**

Table 91.—Imports into Ontario of Anthracite and Bituminous Coal, by Ports of Entry, 1936 and 1937*

(Short tons)

Port	Source	1936			1937					
					Anthracite					
		Anthracite	Bituminous, all grades	**Total**	Grate, egg, stove, nut, doubles, cobbles and trebles	Screenings or dust	Peas, beans and smaller sizes n.o.p.	Total	Bituminous, all grades	**Total**
CENTRAL ONTARIO—										
Amherstburg	U.S.	7,550	63,820	**71,370**	8,501	.....	132	8,633	72,053	**80,686**
Belleville	U.S.	12,307	35,668	**47,975**	10,735	.....	1,148	11,883	28,500	**40,383**
Bowmansville	U.S.	4,995	1,039	**6,034**	4,867	.....	301	5,168	1,618	**6,786**
Brantford	U.S.	36,221	27,383	**63,604**	34,461	45	4,660	39,166	28,649	**67,815**
Brockville	U.S.	14,470	10,554	**25,024**	12,114	.....	3,573	15,687	20,874	**36,561**
Chatham	U.S.	4,769	506,889	**511,658**	4,021	56	266	4,343	554,812	**559,155**
Cobourg	U.S.	9,324	113,719	**123,043**	8,026	.....	392	8,418	243,115	**251,533**
Collingwood	U.S.	5,565	4,277	**9,842**	4,460	.....	593	5,053	6,454	**11,507**
Cornwall	U.S.	7,413	4,584	**11,997**	6,858	.....	451	7,309	8,032	**15,341**
Fort Erie	U.S.	76,150	51,911	**128,061**	83,164	150	9,021	92,335	39,742	**132,077**
Fort Frances	U.S.	135	67,784	**67,919**	8	.....	.....	8	69,598	**69,606**
Galt	U.S.	22,699	32,280	**54,979**	21,813	.....	1,667	23,480	34,813	**58,293**
Gananoque	U.S.	2,917	3,053	**5,970**	2,476	.....	861	3,337	3,287	**6,624**
	G.B.	.....	.....	.....	23	.....	.....	23	.....	**23**
Goderich	U.S.	12,848	31,980	**44,828**	12,320	.....	523	12,843	44,888	**57,731**
Guelph	U.S.	27,203	33,191	**60,394**	28,388	.....	2,025	30,413	37,219	**67,632**
Hamilton	U.S.	108,878	1,290,477	**1,399,355**	100,579	402	18,363	119,344	1,465,280	**1,584,624**
	G.B.	1,178	.....	**1,178**	239	.....	51	290	.....	**290**
	Germany	.....	.....	.....	.....	.....	.....	.....	8,724	**8,724**
Ingersoll	U.S.	7,695	16,237	**23,932**	8,242	.....	206	8,448	18,231	**26,679**
Kenora	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....
Kingston	U.S.	24,083	35,505	**59,588**	22,155	.....	3,032	25,187	38,078	**63,265**
Kitchener	U.S.	30,229	76,522	**106,751**	28,992	.....	2,344	31,336	72,666	**104,002**
Lindsay	U.S.	7,671	3,388	**11,059**	6,615	.....	363	6,978	4,136	**11,114**
London	U.S.	53,111	35,434	**88,545**	40,980	.....	3,781	44,761	28,403	**73,164**
	G.B.	.....	.....	.....	291	.....	.....	291	.....	**291**
	Germany	.....	.....	.....	73	.....	.....	73	.....	**73**
Midland	U.S.	2,367	191,854	**194,221**	1,728	.....	384	2,112	303,778	**305,890**
Morrisburg	U.S.	2,898	22,339	**25,237**	2,618	.....	134	2,752	17,077	**19,829**
Napanee	U.S.	4,349	14,380	**18,729**	3,503	.....	269	3,772	17,134	**20,906**
Niagara Falls	U.S.	57,828	194,804	**252,632**	67,926	38	11,346	79,310	231,288	**310,598**
North Bay	U.S.	5,290	21,131	**26,421**	4,177	.....	143	4,320	19,096	**23,416**
Orillia	U.S.	7,309	3,153	**10,462**	5,694	.....	733	6,427	3,646	**10,073**
Oshawa	U.S.	17,738	33,956	**51,694**	19,133	.....	1,463	20,596	42,318	**62,914**
Ottawa	U.S.	54,667	55,270	**109,937**	38,675	.....	10,633	49,308	48,198	**97,506**
	G.B.	.....	.....	.....	47	.....	.....	47	52	**99**
Owen Sound	U.S.	2,639	14,719	**17,358**	3,737	.....	385	4,122	19,998	**24,120**
Paris	U.S.	9,591	8,469	**18,060**	9,911	.....	647	10,558	8,800	**19,358**
Parry Sound	U.S.	1,150	567,249	**568,399**	1,102	.....	.....	1,102	584,726	**585,828**

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

Table 91.—Imports into Ontario of Anthracite and Bituminous Coal, by Ports of Entry, 1936 and 1937*—Concluded

(Short tons)

Port	Source	1936			1937					
					Anthracite					
		Anthracite	Bituminous, all grades	Total	Grate, egg, stove, nut, doubles, cobbles and trebles	Screenings or dust	Peas, beans and smaller sizes n.o.p.	Total	Bituminous, all grades	Total
Peterborough	U.S.	17,606	7,407	25,013	16,947	.....	958	17,905	7,551	25,456
Picton	U.S.	4,530	5,430	9,960	3,745	.....	58	3,803	7,142	10,945
Port Hope	U.S.	6,431	17,945	24,376	6,967	.....	227	7,194	24,916	32,110
Port McNicoll	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....
Prescott	U.S.	7,596	448,103	455,699	8,162	.....	854	9,016	627,548	636,564
St. Catharines	U.S.	34,915	175,574	210,489	36,749	35	3,117	39,901	234,062	273,963
St. Thomas	U.S.	17,370	81,962	99,332	16,537	.....	519	17,056	131,389	148,445
Sarnia	U.S.	9,430	560,631	570,061	2,856	.....	101	2,957	724,197	727,154
Sault Ste. Marie	U.S.	3,587	863,824	867,411	6,566	.....	1,750	8,316	1,278,689	1,287,005
	G.B.	.....	.....	.....	34	.....	.....	34	.....	34
Simcoe	U.S.	3,951	14,334	18,285	3,751	.....	20	3,771	15,300	19,071
Stratford	U.S.	47,047	34,123	81,170	44,006	30	5,826	49,862	33,361	83,223
	G.B.	.....	.....	.....	49	.....	.....	49	.....	49
Sudbury	U.S.	6,496	7,106	13,602	6,549	.....	596	7,145	7,575	14,720
Tillsonburg	U.S.	3,592	331,029	334,621	3,514	.....	1,699	5,213	342,525	347,738
Toronto	U.S.	503,812	1,311,873	1,815,685	577,638	1,008	62,912	641,558	1,579,314	2,220,872
	G.B.	50,325	.....	50,325	10,087	.....	15,786	25,873	.....	25,873
	Netherlands	7,280	.....	7,280	.....	.....	.....	.....	.....	.....
Trenton	U.S.	5,567	23,148	28,715	4,468	.....	733	5,201	28,013	33,214
Wallaceburg	U.S.	363	21,749	22,112	429	.....	.....	429	17,614	18,043
Welland	U.S.	32,893	248,356	281,249	31,195	1,979	7,070	40,244	264,341	304,585
Whitby	U.S.	976	.....	976	.....	.....	.....	.....	.....	.....
Windsor	U.S.	13,086	774,359	787,445	17,352	199	314	17,865	762,042	779,907
Woodstock	U.S.	16,658	16,607	33,265	14,843	.....	1,193	16,036	13,418	29,454
TOTAL FOR CENTRAL ONTARIO	U.S.	1,377,965	8,516,579	9,894,544	1,410,253	3,942	167,786	1,581,981	10,215,504	11,797,485
	G.B.	51,503	.....	51,503	10,770	.....	15,837	26,607	52	26,659
	Germany	.....	.....	.....	73	.....	.....	73	8,724	8,797
	Netherlands	7,280	.....	7,280	.....	.....	.....	.....	.....	.....
HEAD OF LAKES— Fort William	U.S.	16,350	688,950	705,300	9,960	.....	11,092	21,052	820,160	841,212
	G.B.	.....	.....	.....	.....	.....	.....	.....	.....	.....
Port Arthur	U.S.	.....	156,229	156,229	.....	.....	.....	.....	128,595	128,595
TOTAL HEAD OF LAKES	U.S.	16,350	845,179	861,529	9,960	.....	11,092	21,052	948,755	969,807
	G.B.	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total for Ontario	**U.S.**	**1,394,315**	**9,361,758**	**10,756,073**	**1,420,313**	**3,942**	**178,878**	**1,603,033**	**11,164,259**	**12,767,292**
	G.B.	**51,503**	.....	**51,503**	**10,770**	.....	**15,837**	**26,607**	**52**	**26,659**
	Germany	.....	.....	.....	**73**	.....	.....	**73**	**8,724**	**8,797**
	Netherlands	**7,280**	.....	**7,280**	.....	.....	.....	.....	.....	.....
Grant total	.....	**1,453,098**	**9,361,758**	**10,814,856**	**1,431,056**	**3,942**	**194,715**	**1,629,713**	**11,173,035**	**12,802,748**

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

Table 92.—Summary Statistics for Ontario in 1937—Interprovincial Shipments, Exports, Imports* and Coal made Available for Consumption, by Months and by Kinds

(Short tons)

Month	Central Ontario						Head of Lakes		Total Ontario
	Canadian coal								
	†Received from other provinces	Exported	Imported from U.S.A.	Imported from Great Britain	Imported from Germany	Coal available for consumption	Received from other provinces	Imported from United States	Coal available for consumption
January—									
Anthracite	.....	.....	114,490	1,552	.....	116,042	.....	.....	**116,042**
Bituminous	772	.....	391,743	.....	.....	392,515	1,701	.....	**394,216**
Sub-bituminous	3,158	.....	.....	.....	.....	3,158	.....	.....	**3,158**
Lignite	5,871	.....	.....	.....	.....	5,871	.....	.....	**5,871**
Total	9,801	.....	506,233	1,552	.....	517,586	1,701	.....	**519,287**
February—									
Anthracite	.....	.....	115,149	.....	.....	115,149	.....	.....	**115,149**
Bituminous	623	.....	289,896	.....	.....	290,519	1,929	200	**292,648**
Sub-bituminous	2,250	.....	.....	.....	.....	2,250	.....	.....	**2,250**
Lignite	5,049	.....	.....	.....	.....	5,049	.....	.....	**5,049**
Total	7,922	.....	405,045	.....	.....	412,967	1,929	200	**415,096**
March—									
Anthracite	.....	.....	122,286	.....	.....	122,286	.....	.....	**122,286**
Bituminous	4,410	1	424,336	.....	.....	428,745	1,936	.....	**430,681**
Sub-bituminous	678	.....	.....	.....	.....	678	.....	.....	**678**
Lignite	2,563	.....	.....	.....	.....	2,563	.....	.....	**2,563**
Total	7,651	1	546,622	.....	.....	554,272	1,936	.....	**556,208**
April—									
Anthracite	.....	.....	187,096	338	73	187,507	.....	.....	**187,507**
Bituminous	382	.....	591,219	.....	.....	591,601	2,062	16,628	**610,291**
Sub-bituminous	103	.....	.....	.....	.....	103	.....	.....	**103**
Lignite	1,104	.....	.....	.....	.....	1,104	.....	.....	**1,104**
Total	1,589	.....	778,315	338	73	780,315	2,062	16,628	**799,005**
May—									
Anthracite	.....	.....	171,030	7,672	.....	178,702	.....	2,974	**181,676**
Bituminous	24,975	.....	1,083,754	52	.....	1,108,781	2,109	122,425	**1,233,315**
Sub-bituminous	94	.....	.....	.....	.....	94	.....	.....	**94**
Lignite	404	.....	.....	.....	.....	404	.....	.....	**404**
Total	25,473	.....	1,254,784	7,724	.....	1,287,981	2,109	125,399	**1,415,489**
June—									
Anthracite	.....	.....	127,798	209	.....	128,007	.....	3,997	**132,004**
Bituminous	13,128	.....	1,256,383	.....	8,724	1,278,235	2,650	134,089	**1,414,974**
Sub-bituminous	408	.....	.....	.....	.....	408	.....	.....	**408**
Lignite	741	.....	.....	.....	.....	741	.....	.....	**741**
Total	14,277	.....	1,384,181	209	8,724	1,407,391	2,650	138,086	**1,548,127**
July—									
Anthracite	.....	.....	106,157	5,476	.....	111,633	.....	.....	**111,633**
Bituminous	9,456	.....	1,245,472	.....	.....	1,254,928	1,764	99,672	**1,356,364**
Sub-bituminous	1,036	.....	.....	.....	.....	1,036	.....	.....	**1,036**
Lignite	1,048	.....	.....	.....	.....	1,048	.....	.....	**1,048**
Total	11,540	.....	1,351,629	5,476	.....	1,368,645	1,764	99,672	**1,470,081**
August—									
Anthracite	.....	.....	74,302	.....	.....	74,302	.....	2,989	**77,291**
Bituminous	30,210	.....	1,162,444	.....	.....	1,192,654	2,202	157,104	**1,351,960**
Sub-bituminous	693	.....	.....	.....	.....	693	.....	.....	**693**
Lignite	1,037	.....	.....	.....	.....	1,037	.....	.....	**1,037**
Total	31,940	.....	1,236,746	.....	.....	1,268,686	1,202	160,093	**1,430,981**
September—									
Anthracite	.....	.....	100,518	5,443	.....	105,961	.....	.....	**105,961**
Bituminous	10,416	.....	989,312	.....	.....	999,728	1,615	128,836	**1,130,179**
Sub-bituminous	1,704	.....	.....	.....	.....	1,704	.....	.....	**1,704**
Lignite	4,015	.....	.....	.....	.....	4,015	.....	.....	**4,015**
Total	16,135	.....	1,089,630	5,443	.....	1,111,408	1,615	128,836	**1,241,859**

Table 92.—Summary Statistics for Ontario in 1937—Interprovincial Shipments, Exports, Imports* and Coal made Available for Consumption, by Months and by Kinds—Concluded

(Short tons)

Month	Central Ontario						Head of Lakes		Total Ontario
	Canadian coal								
	†Received from other provinces	Exported	Imported from U.S.A.	Imported from Great Britain	Imported from Germany	Coal available for consumption	Received from other provinces	Imported from United States	Coal available for consumption
October—									
Anthracite	.....	.....	150,499	2,759	.....	153,258	.....	.....	153,258
Bituminous	3,363	.....	1,115,046	.....	.....	1,118,409	2,416	158,034	1,278,859
Sub-bituminous	2,957	.....	.....	.....	.....	2,957	.....	.....	2,957
Lignite	7,090	.....	.....	.....	.....	7,090	.....	.....	7,090
Total	13,410	.....	1,265,545	2,759	.....	1,281,714	2,416	158,034	1,442,164
November—									
Anthracite	.....	.....	165,190	3,158	.....	168,348	.....	11,092	179,440
Bituminous	8,509	.....	1,174,448	.....	.....	1,182,957	292	108,224	1,291,473
Sub-bituminous	2,497	.....	.....	.....	.....	2,497	.....	.....	2,497
Lignite	7,190	.....	.....	.....	.....	7,190	.....	.....	7,190
Total	18,196	.....	1,339,638	3,158	.....	1,360,992	292	119,316	1,480,600
December—									
Anthracite	.....	.....	147,466	.....	.....	147,466	.....	.....	147,466
Bituminous	13,541	.....	491,451	.....	.....	504,992	65	23,543	528,600
Sub-bituminous	2,789	.....	.....	.....	.....	2,789	.....	.....	2,789
Lignite	8,983	.....	.....	.....	.....	8,983	.....	.....	8,983
Total	25,313	.....	638,917	.....	.....	664,230	65	23,543	687,838
Total—									
Anthracite	.....	.....	**1,581,891**	**26,607**	**73**	**1,608,661**	.....	**21,052**	**1,629,713**
Bituminous	**119,785**	**1**	**10,215,504**	**52**	**8,724**	**10,344,064**	**20,741**	**948,755**	**11,313,560**
Sub-bituminous	18,367	.....	.....	.....	.....	18,367	.....	.....	18,367
Lignite	45,095	.....	.....	.....	.....	45,095	.....	.....	45,095
Total	**183,247**	**1**	**11,797,485**	**26,659**	**8,797**	**12,016,187**	**20,741**	**969,807**	**13,006,735**

*Direct imports into Ontario. See text for transhipments from Quebec.
†Direct shipments from mines.

CHAPTER SEVEN

MANITOBA

Coal production in Manitoba in 1937 was obtained from the lignite seams near Deloraine. The year's output amounted to 3,172 tons compared with 4,029 tons in 1936 and 3,106 tons in 1935.

Alberta, Saskatchewan, British Columbia and the United States are the principal sources of Manitoba's coal supply. During 1937, Alberta shipped 438,906 tons to the Manitoba market; a year ago, 449,251 tons were shipped. The 1937 total consisted of 150,792 tons of bituminous coal, 71,936 tons of sub-bituminous coal, and 216,178 tons of lignite coal. Saskatchewan operators shipped 482,049 tons of lignite coal into Manitoba; this represented an increase of 11·3 per cent over the preceding year's total. Shipments from the Crow's Nest Pass District, British Columbia, to Manitoba, declined to 59,410 tons from the 1936 total of 100,900 tons.

Imports of coal into Manitoba, from the United States, are cleared, principally, through Fort William and Port Arthur. In 1937, receipts at these two ports amounted to 969,807 tons Direct imports into Manitoba during the year totalled 17,842 tons.

Table 93.—Disposition of Coal from Manitoba Mines, by Grades, 1936 and 1937

(Short tons)

Disposition	1936		1937	
	Quantity	Value	Quantity	Value
		$		$
Supplied to employees for domestic consumption	.....	.....	123	244
Shipped	3,856	9,097	2,753	6,773
Used under colliery boilers	173	428	96	152
Put on bank	.....	.....	200	540
Total disposition	**4,029**	**9,525**	**3,172**	**7,709**

Table 94.—Exports of Canadian Coal through Manitoba Ports, 1933-1937

(Short tons)

Port	1933	1934	1935	1936	1937
Brandon	519	800	188	192	37
Emerson	116	58	38	108	43
Gretna	23	.....	.....	.....	.....
Winnipeg	560	576	377	820	814
Total	**1,218**	**1,434**	**603**	**1,120**	**894**

Table 95.—Imports into Manitoba and the Head of Lakes, of Anthracite, Bituminous and Lignite Coal, by Ports of Entry, 1936 and 1937*

(Short tons)

Port	Source	1936				1937						
						Anthracite						
		Anthracite	Bituminous, all grades	Lignite	Total	Grate, egg, stove, nut, doubles, cobbles, and trebles	Screenings or dust	Peas, beans and smaller sizes n.o.p.	Total	Bituminous, all grades	Lignite	Total
MANITOBA—												
Brandon	U.S.	.....	163	48	211	.....	.....	.....	.....	97	.....	97
Emerson	U.S.	.....	42	.....	42	.....	.....	.....	.....	45	15	60
Gretna	U.S.	.....	11	120	131	.....	.....	.....	.....	2	108	110
Portage la Prairie	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Winnipeg	U.S.	5,708	13,266		18,974	738	.....	4,842	5,580	11,268	1	16,849
	G.B.	176	619	.....	795	59	.....	.....	59	667	.....	726
Total for Manitoba	**U.S.**	**5,708**	**13,482**	**168**	**19,358**	**738**	.....	**4,842**	**5,580**	**11,412**	**124**	**17,116**
	G.B.	**176**	**619**	.....	**795**	**59**	.....	.....	**59**	**667**	.....	**726**
HEAD OF LAKES—												
Fort William	U.S.	16,350	688,950	.....	705,300	9,960	.....	11,092	21,052	820,160	.....	841,212
	G.B.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Port Arthur	U.S.	.....	156,229	.....	156,229	.....	.....	.....	.....	128,595	.....	128,595
Total Head of Lakes	**U.S.**	**16,350**	**845,179**	.....	**861,529**	**9,960**	.....	**11,092**	**21,052**	**948,755**	.....	**969,807**
	G.B.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total		**16,350**	**845,179**	.....	**861,529**	**9,960**	.....	**11,092**	**21,052**	**948,755**	.....	**969,807**
Total for Manitoba and Head of Lakes	**U.S.**	**22,058**	**858,661**	**168**	**880,887**	**10,698**	.....	**15,934**	**26,632**	**960,167**	**124**	**986,923**
	G.B.	**176**	**619**	.....	**795**	**59**	.....	.....	**59**	**667**	.....	**726**
Grand Total		**22,234**	**859,280**	**168**	**881,682**	**10,757**	.....	**15,934**	**26,691**	**960,834**	**124**	**987,649**

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

Table 96.—Summary Statistics for Manitoba in 1937.—Interprovincial Shipments, Exports, Imports and Coal Made Available for Consumption (exclusive of Tonnage Cleared at Head of Lakes, some of which entered Manitoba), by Months and by Kinds

(Short tons)

Month	Canadian coal			Imported from U.S.A.	Imported from Great Britain	Coal available for consumption
	Output	Received from other provinces	Exported			
January—						
Anthracite	.....	.....	.....	732	.....	732
Bituminous	.....	29,359	27	874	.....	30,206
Sub-bituminous	.....	12,104	.....	.....	.....	12,104
Lignite	712	120,040	53	.....	.....	120,699
Total	712	161,503	80	1,606	.....	163,741
February—						
Anthracite	.....	.....	.....	639	.....	639
Bituminous	.....	28,507	.....	727	.....	29,234
Sub-bituminous	.....	7,660	.....	.....	.....	7,660
Lignite	502	76,548	.....	1	.....	77,051
Total	502	112,715	.....	1,367	.....	114,584
March—						
Anthracite	.....	.....	.....	556	.....	556
Bituminous	.....	19,221	90	1,506	.....	20,637
Sub-bituminous	.....	2,408	.....	.....	.....	2,408
Lignite	220	49,069	74	1	.....	49,216
Total	220	70,698	164	2,063	.....	72,817

Table 96.—Summary Statistics for Manitoba in 1937—Interprovincial Shipments, Exports, Imports and Coal Made Available for Consumption (exclusive of Tonnage Cleared at Head of Lakes some of which entered Manitoba) by Months and by Kinds—Concluded

(Short tons)

Month	Canadian coal			Imported from U.S.A.	Imported from Great Britain	Coal available for consumption
	Output	Received from other provinces	Exported			
April—						
Anthracite	.....	.....	.....	441	.....	441
Bituminous	.....	11,546	.....	961	.....	12,507
Sub-bituminous	.....	2,376	.....	.....	.....	2,376
Lignite	.....	24,664	.....	.....	.....	24,664
Total	.....	38,586	.....	1,402	.....	39,988
May—						
Anthracite	.....	.....	.....	483	.....	483
Bituminous	.....	14,207	.....	589	.....	14,796
Sub-bituminous	.....	424	.....	.....	.....	424
Lignite	.....	14,018	.....	.....	.....	14,018
Total	.....	28,649	.....	1,072	.....	29,721
June—						
Anthracite	.....	.....	.....	163	.....	163
Bituminous	.....	12,052	143	1,872	.....	13,781
Sub-bituminous	.....	671	.....	.....	.....	671
Lignite	.....	11,234	.....	.....	.....	11,234
Total	.....	23,957	143	2,035	.....	25,849
July—						
Anthracite	.....	.....	.....	577	.....	577
Bituminous	.....	9,859	.....	352	.....	10,211
Sub-bituminous	.....	1,261	.....	.....	.....	1,261
Lignite	.....	11,795	.....	.....	.....	11,795
Total	.....	22,915	.....	929	.....	23,844
August—						
Anthracite	.....	.....	.....	281	.....	281
Bituminous	.....	11,452	194	511	443	12,212
Sub-bituminous	.....	3,461	.....	.....	.....	3,461
Lignite	.....	19,288	.....	.....	.....	19,288
Total	.....	34,201	194	792	443	35,242
September—						
Anthracite	.....	.....	.....	347	59	406
Bituminous	.....	13,168	.....	588	224	13,980
Sub-bituminous	.....	6,408	.....	.....	.....	6,408
Lignite	.....	44,762	.....	.....	.....	44,762
Total	.....	64,338	.....	935	283	65,556
October—						
Anthracite	.....	.....	.....	391	.....	391
Bituminous	.....	16,632	4	1,448	.....	18,076
Sub-bituminous	.....	10,981	.....	.....	.....	10,981
Lignite	93	97,751	38	.....	.....	97,806
Total	93	125,364	42	1,839	.....	127,254
November—						
Anthracite	.....	.....	.....	369	.....	369
Bituminous	.....	16,272	28	716	.....	16,960
Sub-bituminous	.....	9,971	.....	.....	.....	9,971
Lignite	741	107,596	1	122	.....	108,458
Total	741	133,839	29	1,207	.....	135,758
December—						
Anthracite	.....	.....	.....	601	.....	601
Bituminous	.....	27,927	171	1,268	.....	29,024
Sub-bituminous	.....	14,211	.....	.....	.....	14,211
Lignite	904	121,462	71	.....	.....	122,295
Total	904	163,600	242	1,869	.....	166,131
Total—						
Anthracite	.....	.....	.....	**5,580**	**59**	**5,639**
Bituminous	.....	**210,202**	**657**	**11,412**	**667**	**221,624**
Sub-bituminous	.....	**71,936**	.....	.....	.....	**71,936**
Lignite	**3,172**	**698,227**	**237**	**124**	.....	**701,286**
Total	**3,172**	**980,365**	**894**	**17,116**	**726**	**1,000,485**

Table 97.—Employment and Earnings in the Coal Mines of Manitoba, 1936 and 1937

—	1936	1937
Average number of wage-earners—		
Surface	4	2
Underground	11	8
Total	**15**	**10**
Days' work done—		
Surface	829	436
Underground	2,383	1,757
Total	**3,212**	**2,193**
Average number of days worked per man per year—		
Surface	207	218
Underground	217	219
By all wage-earners	**214**	**219**
Total wages paid	**$ 3,915**	**$ 3,741**

Table 98.—Wage-Earners Employed and Work Done, by Months, in the Coal Mines of Manitoba, in 1936 and 1937

Month	Number of employees			Days' work done		
	Surface	Underground	**Total**	Surface	Underground	**Total**
1936						
January	7	21	**28**	118	335	**453**
February	7	17	**24**	139	341	**480**
March	7	16	**23**	106	242	**348**
April	3	7	**10**	24	56	**80**
September	3	3	**6**	30	30	**60**
October	7	22	**29**	166	524	**690**
November	7	26	**33**	156	585	**741**
December	7	17	**24**	90	270	**360**
Total	.....	.....	.....	**829**	**2,383**	**3,212**
1937						
January	5	18	**23**	97	373	**470**
February	5	19	**24**	64	316	**380**
March	5	16	**21**	51	148	**199**
April	.....	.....	.....	.....	.....	.....
September	.....	.....	.....	.....	.....	.....
October	4	12	**16**	24	72	**96**
November	4	16	**20**	100	373	**473**
December	4	19	**23**	100	475	**575**
Total	.....	.....	.....	**436**	**1,757**	**2,193**

CHAPTER EIGHT

SASKATCHEWAN

Saskatchewan's output of coal has increased annually since 1934 when 909,288 tons were mined; in 1937, the production totalled 1,049,348 tons. Mines active in this province in 1937 produced approximately 74 per cent of their possible output; lack of orders accounted for the 26 per cent output loss. This cause was accountable for a loss of 68,310 man-days work, or an estimated production loss of 374,691 tons.

Approximately 51 per cent of Saskatchewan's shipments from the mines was for consumption within the province; the total for the year was 505,263 tons. An increase of 11·3 per cent was recorded in the tonnage shipped to Manitoba compared with 1936; the totals were 482,049 tons and 433,004 tons, respectively. Other shipments during the year consisted of 9,224 tons to Ontario, 1,110 tons for railroad use, and 634 tons to the United States.

During 1937, retail coal dealers purchased 588,000 tons of Saskatchewan coal; 26·9 per cent of this coal was classed as cobble, 25·8 per cent as nut, 18·9 per cent as lump, 11·7 per cent as slack, and the remainder as run-of-mine, egg and pea. Purchases by industrial consumers amounted to 286,000 tons. Domestic consumers, including employees, received 125,931 tons direct from the mines; 82·9 per cent of this tonnage was run-of-mine.

Table 99.—Output of Coal from Saskatchewan Mines, 1887-1937

Calendar year	Short tons	Value	Calendar year	Short tons	Value	Calendar year	Short tons	Value
		$			$			$
1887	(a) 400	800	1905	107,596	152,334	*1923	438,100	858,448
1888	.....	.....	1906	108,398	164,146	*1924	479,118	886,668
1889	.....	.....	1907	151,232	252,437	*1925	471,965	870,875
1890	200	200	1908	150,556	253,790	*1926	439,803	819,805
1891	.....	.....	1909	192,125	296,333	*1927	470,216	868,897
1892	5,400	9,325	1910	181,156	293,929	*1928	471,713	831,491
1893	8,325	12,485	1911	206,779	347,248	*1929	580,189	993,226
1894	(b) 15,051	15,153	1912	225,342	368,135	*1930	579,424	968,863
1895	15,769	31,538	1913	212,897	358,192	*1931	662,836	945,259
1896	16,706	25,059	1914	232,299	374,245	*1932	887,139	1,229,449
1897	25,000	37,500	1915	240,107	365,246	*1933	927,649	1,285,996
1898	25,000	37,500	1916	281,300	441,836	*1934	909,288	1,241,130
1899	25,000	37,500	1917	355,445	662,451	*1935	921,785	1,293,668
1900	40,500	60,750	1918	346,847	722,148	*1936	1,020,792	1,463,680
1901	45,000	72,000	*1919	379,347	819,390	*1937	1,049,348	1,494,337
1902	70,400	112,640	*1920	335,222	797,828			
1903	116,703	169,618	*1921	335,632	823,180	**Total**	**15,268,421**	**25,155,772**
1904	124,885	187,021	*1922	382,437	802,053			

(a) From Turtle Mountain district, Manitoba.
(b) Including a small quantity from the Turtle Mountain district, Manitoba.
*For the years 1919-1937 the tonnage shown is the total output from all mines, for previous years the figures given include only sales, colliery consumption and coal used by the operators.

Table 100.—Output of Coal from Saskatchewan Mines, by Months, 1933-1937

(Short tons)

Month	1933	1934	1935	1936	1937
January	130,121	125,695	145,695	147,055	150,436
February	119,071	94,922	79,756	149,828	115,006
March	71,938	77,281	79,243	69,906	79,100
April	34,957	34,206	45,149	46,173	45,661
May	20,739	25,740	28,942	27,765	23,538
June	19,916	21,421	23,589	26,453	22,906
July	18,447	23,575	23,952	26,415	21,948
August	26,363	31,109	33,982	30,526	30,139
September	67,330	86,167	53,375	80,956	87,457
October	146,510	136,636	132,740	161,727	160,331
November	129,396	115,787	153,369	119,862	150,158
December	142,861	136,749	121,993	134,126	162,668
Total	**927,649**	**909,288**	**921,785**	**1,020,792**	**1,049,348**

Table 101.—Output of Coal by Principal Collieries in Saskatchewan for 1935-1937 (Average of 500 tons or more per month)

(Short tons)

Name	Address	1935	1936	1937
Adler, Wm.	Bienfait	1,824	5,865	1,244
Banks, H.	Taylorton	7,753	9,686	13,157
Baniulis Bros.	Roche Percee	11,207	8,318	5,715
Bienfait Mines, Ltd.	Bienfait	107,001	125,590	109,018
Crescent Collieries, Ltd.	Bienfait	48,738	14,536	.....
Eastern Collieries of Bienfait, Ltd.	Estevan	62,543	72,323	73,280
High Test Lignite Coal Co. Ltd. (former Bienfait Commercial Co.)	Bienfait	589	5,373	12,276
Jenish Bros.	Estevan	7,077	8,898	9,655
Lignite Coal Mines, Ltd.	Pinto	25,673	30,814	39,106
Manitoba and Saskatchewan Coal Co., Ltd.	503 Avenue Block, Winnipeg, Man.	179,006	218,015	216,390
Matheson & Uhrich	Taylorton	2,414	5,695	9,723
North West Coal Co. (D. Bozak)	Bienfait	3,500	4,983	7,248
Poage, H. E.	Roche Percee	24,849	23,466	24,818
Rock Springs Coal Co.	Taylorton	4,498	6,448	10,789
Shand Coal and Brick Co.	Shand	20,947	8,302	.....
Siddall & Mitchell	Roche Percee	2,547	3,887	7,339
Truax Traer Coal Co., Ltd.	Estevan	228,831	263,399	224,880
Western Dominion Coal Mines, Ltd.	Taylorton	72,191	69,320	160,201
All other operators	.....	110,597	135,874	124,509
Total	.....	**971,785**	**1,020,792**	**1,049,348**

Table 102.—Tonnage Lost in Saskatchewan Coal Mines, Showing the Relative Percentage Produced and Lost, with an Analysis of the Percentage Lost, 1936 and 1937

Year	Per cent produced	Per cent lost	Percentage lost through				
			Absenteeism	Lack of orders	Car shortage	Mine disability	Other causes
1936	74	26	.....	25·3	.....	0·3	0·4
1937	74	26	.....	26·0	.....	0·0	0·0

Table 103.—Disposition of Coal from Saskatchewan Mines, by Grades, 1936 and 1937

(Short tons)

Disposition	1936		1937						
	Total		Run-of-mine	Cobble	Lump	Nut and other grades	Slack	Total	
	Quantity	Value						Quantity	Value
		$							
Supplied to employees for domestic consumption	3,631	4,789	1,449	1,253	111	20	.....	2,833	4,789
Shipped as per Table 104	967,608	1,423,642	166,408	207,598	116,103	376,688	131,491	998,288	1,457,675
Used under colliery boilers, etc.	23,159	21,799	109	355	.....	2,175	17,842	20,481	19,043
Used in making briquettes	.....	.....	.....	.....	.....	.....	.....	.....	.....
Used by companies' railroads	7,844	11,535	.....	8,887	.....	.....	.....	8,887	12,702
Put on banks	6,204	6,254	30	2,027	1,739	3,421	3,323	10,540	10,571
Put on waste heap	17,271	.....	.....	.....	.....	.....	.....	18,721	.....
Total disposition	**1,025,117**	**1,468,019**	**167,996**	**220,120**	**117,953**	**382,304**	**152,656**	**1,059,750**	**1,504,780**
Lifted from bank	4,325	4,339	26	1,772	1,677	3,707	3,220	10,402	10,443
Lifted from waste heap	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total output	**1,020,792**	**1,463,680**	**167,970**	**218,348**	**116,276**	**378,597**	**149,436**	**1,049,348**	**1,494,337**

Table 104.—Shipments of Coal from Saskatchewan Mines, by Grades and Destination, 1936 and 1937

(Short tons)

Destination	1936						1937					
	Run-of-mine	Cobble	Lump	Nut and other grades	Slack	Total	Run-of-mine	Cobble	Lump	Nut and other grades	Slack	Total
Saskatchewan	154,934	107,490	70,733	163,308	25,008	521,473	141,149	115,591	61,052	150,040	37,431	505,263
Alberta	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
British Columbia	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Manitoba	28,002	83,378	58,450	196,165	67,009	433,004	24,807	91,515	54,439	222,531	88,757	482,049
Ontario	109	135	34	3,879	5,852	10,009	.....	492	466	3,545	4,721	9,224
United States	218	.....	267	.....	.....	485	452	.....	146	.....	36	634
Railroads—												
In Canada	.....	.....	.....	2,136	501	2,637	.....	.....	.....	572	546	1,118
In United States	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total	**183,263**	**191,003**	**129,484**	**365,488**	**98,370**	**967,608**	**166,408**	**207,598**	**116,103**	**376,688**	**131,491**	**998,288**

Table 105.—Exports of Canadian Coal through Saskatchewan Ports, 1933-1937

(Short tons)

Port	1933	1934	1935	1936	1937
Moose Jaw	415	1,053	1,339	678	491
North Portal	3,148	2,629	1,781	2,194	1,334
Regina	150	272	273	886	378
Total	**3,713**	**3,954**	**3,393**	**3,758**	**2,203**

Table 106.—Imports into Saskatchewan of Anthracite, Bituminous and Lignite Coal, by Ports of Entry, 1936 and 1937*

(Short tons)

Port	Source	1936				1937						
						Anthracite						
		Anthracite	Bituminous, all grades	Lignite	Total	Grate, egg, stove, nut, d'bles cobbles and trebles	Screenings or dust	Peas, beans and smaller sizes, n.o.p.	Total	Bituminous, all grades	Lignite	Total
Moose Jaw	U.S.	27	105	.....	132	29	.....	.....	29	66	.....	95
North Portal	U.S.	.....	45	.....	45	.....	37	.....	37	3	79	119
Prince Albert	U.S.	31	100	.....	131	.....	.....	.....	.....	71	.....	71
Regina	U.S.	.....	224	20	244	.....	.....	.....	.....	181	46	227
	G.B.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Saskatoon	U.S.	.....	373	.....	373	.....	.....	.....	.....	422	.....	422
Total	**U.S.**	**58**	**847**	**20**	**925**	**29**	**37**	.....	**66**	**743**	**125**	**934**
	G.B.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Grand Total	.....	**58**	**847**	**20**	**925**	**29**	**37**	.....	**66**	**743**	**125**	**934**

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

Table 107.—Summary Statistics for Saskatchewan in 1937—Output, Exports, Interprovincial Shipments, Imports and Coal made Available for Consumption, by Months and by Kinds

(Short tons)

Month	Canadian coal				Imported from U.S.A.	Coal available for consumption
	Output	Received from other provinces	Shipped to other provinces	Exported		
January—						
Anthracite	.....	.....	.....	.....	.....	.....
Bituminous	.....	10,263	.....	41	.....	10,222
Sub-bituminous	.....	2,863	.....	.....	.....	2,863
Lignite	150,436	166,643	83,224	257	.....	233,598
Total	150,436	179,769	83,224	298	.....	246,683
February—						
Anthracite	.....	.....	.....	.....	.....	.....
Bituminous	.....	6,794	.....	.....	33	6,827
Sub-bituminous	.....	1,957	.....	.....	.....	1,957
Lignite	115,006	120,903	58,494	.....	.....	177,415
Total	115,006	129,654	58,494	.....	33	186,199
March—						
Bituminous	.....	4,504	.....	3	75	4,576
Sub-bituminous	.....	551	.....	.....	.....	551
Lignite	79,100	54,400	42,503	240	.....	90,757
Total	79,100	59,455	42,503	243	75	95,884
April—						
Bituminous	.....	1,678	.....	.....	63	1,741
Sub-bituminous	.....	166	.....	.....	.....	166
Lignite	45,661	26,473	23,868	11	.....	48,255
Total	45,661	28,317	23,868	11	63	50,162
May—						
Anthracite	.....	.....	.....	.....	37	37
Bituminous	.....	713	.....	1	296	1,008
Sub-bituminous	.....	238	.....	.....	.....	238
Lignite	23,538	16,709	10,612	77	.....	29,558
Total	23,538	17,660	10,612	78	333	30,841
June—						
Bituminous	.....	657	.....	10	.....	647
Sub-bituminous	.....	174	.....	.....	.....	174
Lignite	22,906	13,743	9,695	32	.....	26,922
Total	22,906	14,574	9,695	42	.....	27,743
July—						
Anthracite	.....	.....	.....	.....	.....	.....
Bituminous	.....	1,757	.....	.....	174	1,931
Sub-bituminous	.....	260	.....	.....	.....	260
Lignite	21,948	15,618	9,516	6	.....	28,044
Total	21,948	17,635	9,516	6	174	30,235
August—						
Anthracite	.....	.....	.....	.....	.....	.....
Bituminous	.....	1,665	.....	6	34	1,693
Sub-bituminous	.....	722	.....	.....	.....	722
Lignite	30,139	51,444	12,213	28	.....	69,342
Total	30,139	53,831	12,213	34	34	71,757
September—						
Anthracite	.....	.....	.....	.....	29	29
Bituminous	.....	5,208	.....	10	36	5,234
Sub-bituminous	.....	2,008	.....	.....	.....	2,008
Lignite	87,457	102,782	27,748	85	.....	162,406
Total	87,457	109,998	27,748	95	65	169,677
October—						
Anthracite	.....	.....	.....	.....	.....	.....
Bituminous	.....	8,267	.....	54	32	8,245
Sub-bituminous	.....	3,825	.....	.....	.....	3,825
Lignite	160,331	185,362	56,759	401	79	288,612
Total	160,331	197,454	56,759	455	111	300,682

Table 107.—Summary Statistics for Saskatchewan in 1937—Output, Exports, Inter-provincial Shipments, Imports and Coal made Available for Consumption, by Months and by Kinds—Concluded

(Short tons)

Month	Canadian coal				Imported from U.S.A.	Coal available for consumption
	Output	Received from other provinces	Shipped to other provinces	Exported		
November—						
Anthracite	.....	.....	.....	.....	.....	.....
Bituminous	.....	8,035	.....	86	.....	7,949
Sub-bituminous	.....	2,538	.....	.....	.....	2,538
Lignite	150,158	123,648	72,574	568	46	200,710
Total	150,158	134,221	72,574	654	46	211,197
December—						
Anthracite	.....	.....	.....	.....	.....	.....
Bituminous	.....	9,912	.....	42	.....	9,870
Sub-bituminous	.....	2,486	.....	.....	.....	2,486
Lignite	162,668	140,528	84,067	245	.....	218,884
Total	162,668	152,926	84,067	287	.....	231,240
Total—						
Anthracite	.....	.....	.....	.....	**66**	**66**
Bituminous	.....	**59,453**	.....	**253**	**743**	**59,943**
Sub-bituminous	.....	**17,788**	.....	.....	.....	**17,788**
Lignite	**1,049,348**	**1,018,253**	**491,273**	**1,950**	**125**	**1,574,503**
Total	**1,049,348**	**1,095,494**	**491,273**	**2,203**	**934**	**1,652,300**

Table 108.—Employees, Salaries and Wages in the Coal Mines of Saskatchewan, 1936 and 1937

—	1936	1937
Number of Salaried employees—		
Male	55	49
Female	4	9
Number of Wage-earners—		
Surface	254	255
Underground	593	619
Total	**906**	**932**
Salaries and wages—		
Salaries	$ 92,972	$ 100,064
Wages	$ 600,197	$ 602,865
Total	**$ 693,169**	**$ 702,929**

Table 109.—Employment and Earnings in the Coal Mines of Saskatchewan, 1933-1937

—	1933	1934	1935	1936	1937
Average number of wage-earners—					
Surface	267	263	241	254	255
Underground	624	619	572	593	619
Total	**891**	**882**	**813**	**847**	**874**
Days' work done—					
Surface	56,964	52,752	51,561	61,190	59,312
Underground	135,079	124,877	116,202	133,946	141,445
Total	**192,043**	**177,629**	**167,763**	**195,136**	**200,757**
Average number of days worked per man per year—					
Surface	213	200	214	241	233
Underground	216	202	203	226	229
By all wage-earners	**216**	**201**	**206**	**230**	**229**
Total wages paid	**$ 578,215**	**$ 546,177**	**$ 519,202**	**$ 600,197**	**$ 602,865**

Table 110.—Wage-Earners Employed, and Work Done, by Months, in the Coal Mines of Saskatchewan in 1937

Month	Number of wage-earners			Days' work done		
	Surface	Underground	Total	Surface	Underground	Total
January	309	801	1,110	7,704	17,444	25,148
February	283	742	1,025	5,970	14,187	20,157
March	224	544	768	3,992	9,194	13,186
April	198	390	588	2,792	5,447	8,239
May	187	320	507	2,195	3,776	5,971
June	175	305	480	2,131	3,829	5,960
July	185	307	492	2,555	3,931	6,486
August	196	395	591	2,976	5,960	8,936
September	309	839	1,148	5,638	14,767	20,405
October	348	1,013	1,361	8,366	23,301	31,667
November	328	925	1,253	7,326	19,871	27,197
December	318	851	1,169	7,667	19,738	27,405
Total	.....	.....	.....	**59,312**	**141,445**	**200,757**

Table 111.—Wage-Earners in the Coal Mines of Saskatchewan, by Classes, 1936 and 1937

Classification	1936			1937		
	Surface	Underground	Total	Surface	Underground	Total
Administration	8	.....	8	9	.....	9
Foremen and officials	11	22	33	16	20	36
Clerks	16	.....	16	17	.....	17
Screenmen and loaders	55	.....	55	52	.....	52
Stripping shovel operators	6	.....	6	2	.....	2
Hand cutters and helpers	.....	375	375	.....	368	368
Machine cutters and helpers	.....	30	30	.....	37	37
Machine loaders and helpers	.....	53	53	.....	61	61
Horse haulage employees	7	50	57	4	53	57
Mechanical haulage employees	14	9	23	15	13	28
Ventilation employees	.....	3	3	.....	3	3
Roadmakers	.....	16	16	1	22	23
Timbermen	.....	12	12	.....	13	13
Pumpmen	.....	3	3	.....	4	4
Loading shovel	9	.....	9	4	.....	4
Cleaning shovel	.....	.....	.....	.....	.....	.....
Enginemen	13	1	14	13	.....	13
Firemen	11	.....	11	12	.....	12
Machinists	5	1	6	5	1	6
Carpenters and masons	6	.....	6	7	.....	7
Other mechanics	4	.....	4	6	.....	6
All other employees	89	18	107	92	24	116
Total	**254**	**593**	**847**	**255**	**619**	**874**

Table 112.—Capital Employed in the Coal Mines of Saskatchewan, 1936 and 1937

—	1936	1937
	$	$
Capital employed as represented by—		
Cost of lands, buildings, machinery and tools	2,605,561	2,701,973
Cost of supplies and stock on hand	84,628	76,394
Cash, trading and operating accounts and bills receivable	406,014	340,960
Total	**3,096,203**	**3,119,327**

CHAPTER NINE

ALBERTA

Alberta coal mines produced 5,562,839 tons in 1937 compared with 5,696,960 tons, a year ago. Bituminous coal ouptut rose 5·5 per cent to 2,413,784 tons in 1937 but, this was more than offset by a 10·6 per cent decline in sub-bituminous coal and 7·0 per cent in lignite coal.

Mines in operation in Alberta produced 69 per cent of their possible output. Causes other than strikes accounted for an output loss of 2,464,233 tons; strikes were responsible for an additional production loss of 38,786 tons.

Railroads in Canada provided a market for 38·8 per cent of the coal shipped from Alberta mines in 1937. A decline of 2 per cent was recorded in the tonnage of coal shipped from the mines for consumption within the province (exclusive of sales to employees); the 1937 total was 1,287,720 tons compared with 1,314,598 tons in the preceding year. Saskatchewan consumers received 1,085,680 tons during the year; this was a 12·6 per cent falling-off from the 1936 total. Shipments to Manitoba totalled 438,906 tons as against 449,251 tons, a year ago. An increase of 9·9 per cent was shown in the tonnage shipped to British Columbia; the year's shipments totalled 269,286 tons compared with 244,946 tons in 1936. Other direct shipments from the mines consisted of 63,316 tons to Ontario, 47,013 tons to the United States, and 82 tons to the Northwest Territories.

Sales to retail coal dealers in 1937 amounted to 2,081,000 tons; made up of 1,109,000 tons of lump, 341,000 tons of slack, 249,000 tons of egg, 219,000 tons of nut, 113,000 tons of run-of-mine and 50,000 tons of pea. Domestic consumers and employees received 646,000 tons direct from the mines; 29·7 per cent of this coal was lump and 38·2 per cent run-of-mine. Sales to industrial users totalled 492,000 tons, of which 66 per cent was slack, 11 per cent run-of-mine and 10 per cent lump.

Six coal producing districts in Alberta accounted for 83·1 per cent of the provincial output in 1937; these were, Crowsnest, Drumheller, Mountain Park, Edmonton, Coalspur and Lethbridge. The Crowsnest and Mountain Park coals are classed as bituminous; the Coalspur coal is sub-bituminous, and the Drumheller, Edmonton and Lethbridge coals are lignite.

Alberta coal mines provided employment for 9,836 men in January; this was the employment peak for the year; the low mark was reached in July when 5,379 men were at work. The average number of wage-earners employed during the year was 7,813 compared with 8,054 in 1936 and 7,662 in 1935. Wages paid in 1937 amounted to $8,370,001. There were, in addition to these wage-earners, 560 salaried employees who received $1,182,207 in 1937.

Table 113.—Output of Coal from Alberta Mines, 1886-1937

Calendar year	Short tons	Value	Calendar year	Short tons	Value	Calendar year	Short tons	Value
		$			$			$
1886	43,220	81,112	1904	661,732	1,404,524	*1922	5,990,911	24,351,913
1887	74,152	157,577	1905	931,917	1,993,915	*1923	6,854,397	28,018,303
1888	115,124	183,354	1906	1,246,360	2,614,762	*1924	5,189,729	18,884,318
1889	97,364	179,640	1907	1,591,579	3,836,286	*1925	5,869,031	20,021,484
1890	128,753	198,298	1908	1,685,661	4,127,311	*1926	6,503,705	20,886,103
1891	174,131	437,243	1909	1,994,741	4,838,109	*1927	6,934,162	21,982,058
1892	178,970	460,605	1910	2,894,469	7,065,736	*1928	7,336,330	23,532,414
1893	230,070	586,260	1911	1,511,036	3,979,264	*1929	7,150,693	22,928,182
1894	184,940	473,827	1912	3,240,577	8,113,525	*1930	5,755,528	18,063,225
1895	169,885	382,526	1913	4,014,755	10,418,941	*1931	4,564,015	13,342,675
1896	209,162	581,832	1914	3,683,015	9,350,392	*1932	4,870,648	13,526,309
1897	242,163	630,408	1915	3,360,818	8,283,079	*1933	4,718,788	12,307,258
1898	315,088	787,720	1916	4,559,054	11,386,577	*1934	4,753,810	12,556,099
1899	309,600	774,000	1917	4,736,368	14,153,685	*1935	5,462,894	14,094,795
1900	311,450	778,625	1918	5,972,816	20,537,287	*1936	5,696,960	14,659,705
1901	340,275	850,687	*1919	4,933,660	18,205,205	*1937	5,562,839	14,563,911
1902	402,819	960,601	*1920	6,907,765	30,186,933			
1903	495,893	1,117,541	*1921	5,909,217	27,246,514	**Total**	**157,073,039**	**491,082,653**

*For the years 1919-1937 the tonnage shown is the total output from all mines; for previous years the figures given include only sales, colliery consumption and coal used by the operators.

Table 114.—Output of Coal from Alberta Mines, by Months, 1933-1937

(Short tons)

Month	1933	1934	1935	1936	1937
January	478,445	554,673	688,181	643,466	671,646
February	498,571	362,298	367,932	741,680	542,751
March	348,742	374,196	423,844	381,879	383,632
April	245,912	250,771	342,844	310,344	305,397
May	216,998	247,339	268,166	253,324	273,638
June	220,517	239,781	255,256	237,852	261,274
July	197,522	248,117	254,547	247,074	269,981
August	290,808	300,939	345,823	319,338	351,523
September	436,688	478,862	477,462	509,157	463,217
October	622,504	587,432	675,353	792,927	694,674
November	535,564	552,113	804,653	567,597	682,634
December	626,517	557,289	558,833	632,322	662,472
Total	**4,718,788**	**4,753,810**	**5,462,894**	**5,696,960**	**5,562,839**

Table 115.—Output of Coal by Districts, In Alberta, 1935-1937

(Short tons)

District	1935	1936	1937
BITUMINOUS—			
Cascade*	152,924	166,667	175,986
Crowsnest	1,297,394	1,310,559	1,326,399
Mountain Park	651,270	655,130	764,371
Nordegg	147,032	156,378	147,028
Total bituminous	2,248,620	2,288,734	2,413,784
SUB-BITUMINOUS—			
Coalspur	413,489	388,766	350,427
Morley	.....	123	667
Pekisko	4,284	4,805	4,928
Pincher	1,405	2,094	1,541
Prairie Creek	110,162	127,503	106,803
Saunders	37,055	42,944	41,894
Total sub-bituminous	566,425	566,235	506,260
LIGNITE—			
Ardley	25,778	29,217	24,017
Big Valley	2,651	2,918	2,488
Brooks	8,043	9,842	9,157
Camrose	57,613	65,398	57,121
Carbon	95,295	108,625	105,018
Castor	34,823	47,021	40,765
Champion	20,841	22,165	17,933
Drumheller	1,261,447	1,437,343	1,289,765
Edmonton	493,884	542,854	542,063
Gleichen	9,172	9,897	19,902
Halcourt	3,753	3,454	4,620
Lethbridge	351,004	350,967	350,388
Magrath	1,282	857	995
Milk River	4,492	5,500	4,290
Pakan	245	335	773
Pakowki	2,803	3,692	1,339
Pembina	72,163	53,956	33,403
Redcliff	34,150	36,433	30,203
Rochester	1,467	2,241	478
Sexsmith	.....	44	43
Sheerness	88,877	47,345	39,388
Steveville	.....	.....	.....
Taber	14,819	14,194	13,139
Tofield	59,500	42,846	48,315
Wetaskiwin	728	1,776	2,238
Whitecourt	80	163	356
Area not designated	2,939	2,908	4,598
Total lignite	2,647,849	2,841,991	2,642,795
Total Alberta	**5,462,894**	**5,696,960**	**5,562,839**

*Includes a small quantity of anthracite coal.

Table 116.—Output of Coal by Principal Collieries in Alberta, 1935-1937 (Average of 500 tons or more per month)

(Short tons)

Name and address	1935	1936	1937
Bituminous			
CASCADE DISTRICT—			
Canmore Coal Co., Ltd., Canmore	152,019	165,670	174,768
All other operators*	905	997	1,218
Total	152,924	166,667	175,986
CROWSNEST DISTRICT—			
Hillcrest Collieries, Ltd., Hillcrest	166,374	191,771	229,122
International Coal and Coke Co., Ltd., Coleman	348,797	387,099	357,550
McGillivray Creek Coal and Coke Co., Ltd., Coleman	312,794	269,638	279,472
Mohawk Bituminous Mines, Ltd., Bellevue	69,004	73,224	57,826
West Canadian Collieries, Ltd., Blairmore	396,152	382,462	395,895
All other operators	4,273	6,365	6,534
Total	1,297,394	1,310,559	1,326,399
MOUNTAIN PARK DISTRICT—			
Cadomin Coal Co., Ltd., Cadomin (mine office); Edmonton (business office)	323,903	314,344	352,674
K.D. Collieries Ltd, Luscar	.....	.....	4,799
Luscar Collieries, Ltd., Edmonton	118,238	136,456	159,332
Mountain Park Collieries, Ltd., 410 Tegler Bldg., Edmonton	209,129	204,290	247,413
All other operators	.....	40	153
Total	651,270	655,130	764,371
NORDEGG DISTRICT—			
Brazeau Collieries Ltd., Nordegg	147,032	156,378	147,028
Total	147,032	156,378	147,028
Total bituminous	2,248,620	2,288,734	2,413,784
Sub-Bituminous			
COALSPUR DISTRICT—			
Bryan Coal Co., Ltd., Edmonton	9,318	10,150	2,441
Coal Valley Mining Co., Ltd., Edmonton	143,544	134,457	118,668
Foothills Collieries, Ltd., Foothills	56,617	55,939	50,042
Lakeside Coal Ltd., Edmonton	33,399	31,948	33,969
McLeod River Hard Coal Co., Ltd., Mercoal	26,213	26,830	34,238
Sterling Collieries Ltd., Edmonton	144,398	129,442	111,069
All other operators	.....	.....	.....
Total	413,489	388,766	350,427
MORLEY DISTRICT	.....	123	667
PEKISKO DISTRICT	4,284	4,805	4,928
PINCHER DISTRICT	1,405	2,094	1,541
PRAIRIE CREEK DISTRICT—			
Hinton Collieries, Ltd., Hinton	85,392	95,945	74,119
Jasper Coal Co., Ltd., Edmonton	24,800	31,558	32,684
Total	110,192	127,503	106,803
SAUNDERS DISTRICT—			
Alexo Coal Co., Ltd., Alexo	19,039	20,432	19,563
Bighorn and Saunders Creek Collieries, Ltd., Saunders	18,016	22,512	22,331
Total	37,055	42,944	41,894
Total sub-bituminous	566,425	566,235	506,260
Lignite			
ARDLEY DISTRICT—			
Super Heat Coal Co., Ardley	18,123	20,125	16,122
All other operators	7,655	9,092	7,895
Total	25,778	29,217	24,017
BIG VALLEY DISTRICT	2,651	2,918	2,488
BROOKS DISTRICT—			
Kleenbirn Collieries Ltd., Eyremore	7,514	9,526	8,903
All other operators	529	316	254
Total	8,043	9,842	9,157

*Anthracite coal produced by Frank Wheatley and Sons.

Table 116.—Output of Coal by Principal Collieries in Alberta, 1935-1937 (Average of 500 tons or more per month)—Continued

(Short tons)

Name and address	1935	1936	1937
Lignite—Continued			
CAMROSE DISTRICT—			
Canadian Dinant Coal Co., Ltd., Dinant	35,322	36,470	29,906
Gotheridge, W. T. & Sons, Round Hill	6,323	8,320	6,656
Red Flame Coal Co., Round Hill	4,422	8,484	7,837
Stoney Creek Collieries, Ltd., Camrose	9,722	9,885	9,043
All other operators	1,824	2,239	3,679
Total	57,613	65,398	57,121
CARBON DISTRICT—			
Artic Coal Co, Carbon	4,688	3,041	6,342
Balogh Coal Co., Ltd., Carbon	9,840	15,499	14,180
Canadian Dinant Coal Co., Three Hills	19,855	23,118	19,913
Oliphant, J. H., Carbon	19,986	25,443	22,638
Peerless Carbon Collieries, Carbon	32,868	32,713	32,825
All other operators	8,058	8,811	9,120
Total	95,295	108,625	105,018
CASTOR DISTRICT	34,823	47,021	40,765
CHAMPION DISTRICT	20,841	22,165	17,933
DRUMHELLER DISTRICT—			
Aetna Coal Co., Ltd., East Coulee	17,501	16,127	9,838
Alberta Block Coal Co., Ltd., Drumheller	45,992	62,905	50,951
Brilliant Coal Co., Drumheller	55,728	71,144	71,441
Comet Coal Co., Ltd. (formerly Murry Collieries Ltd.), East Coulee	58,167	49,253	22,869
Commander Coal Co. (formerly Regal Coal Co. Ltd.), Drumheller	1,755	13,934	17,974
Elgin Coal Co., Ltd., Drumheller	34,228	39,646	40,372
Empire Collieries, Ltd., East Coulee	69,946	87,018	69,407
Hy-Grade Coal Co., Ltd. (formerly Fireside Coal Co., Ltd.), Drumheller	80,141	101,574	90,651
Ideal Coal Co., Ltd., Wayne	67,526	51,004	13,354
Maple Leaf Minerals Ltd., Drumheller	43,734	55,504	47,441
Midland Coal Mining Co., Ltd., Midlandvale	153,848	159,903	137,039
Monarch Coal Mining Co. Ltd., Drumheller	139	29,105	56,188
Murray Collieries Ltd., East Coulee	.....	38,629	80,834
Newcastle Coal Co., Ltd., Drumheller	63,664	63,901	57,311
Red Deer Valley Co, Co., Ltd., Drumheller	71,662	70,425	62,375
Regal Coal Co. Ltd. (formerly Atlas Coal Co. Ltd.) East Coulee	132,651	85,045	107,804
Rosedale Collieries, Ltd. (Rosedale Mine), Rosedale	.....	.....	.....
Rosedale Collieries, Ltd.(Star Mine) (formerly Great West Coal Co., Ltd.), Aerial	53,525	82,146	69,176
Rosedale Collieries, Ltd. (Paragon Mine), Aerial	.....	.....	3,511
Superior Grade Coal Co., Ltd., Wayne	13,168	12,193	15,307
Thomas Coal Mines, Ltd., Drumheller	3,587	.....	.....
Wayne Coal Producers Assn. Ltd. (Mutual Supplies Ltd.), Wayne	30,078	26,865	15,377
Western Gem & Jewel Collieries Ltd. (Cambrian Coal Co., Ltd.), Wayne	7,081	28,588	39,425
Western Gem & Jewel Collieries Ltd. (Jewel Collieries Ltd.), Wayne	77,214	84,486	72,359
Western Gem & Jewel Collieries Ltd. (Western Gem Coal Co., Ltd.), Wayne	93,998	97,532	39,806
All other operators	86,114	110,416	98,955
Total	1,261,447	1,437,343	1,289,765
EDMONTON DISTRICT—			
Banner Coals Ltd. (formerly Kelstar Coals Ltd. and Penn Coals Ltd.), Edmonton	27,953	32,460	35,027
Beverly Coal Co. Ltd., Edmonton	46,467	49,298	51,955
Bush Mines, Ltd., Edmonton	41,840	51,264	53,913
Carbondale Collieries Ltd., Edmonton	.....	3,073	6,728
Cotek, W. (Ellerslie Colliery), South Edmonton	3,452	5,102	4,487
Dawson Coal Co., Ltd., Edmonton	27,437	29,816	28,645
Edina Coal Co., Ltd., Edmonton	29,460	27,312	12,345
Fraser-Mackay Collieries, Ltd., 10055-101st St., Edmonton	46,491	48,821	36,439
Gibb and Ball (formerly W. E. Gibb), Edmonton	15,674	19,836	21,197
Great West Coal Co., Ltd. (Black Diamond Mine), Edmonton	82,048	82,810	76,682
Keith and Fulton Coal Co., Clover Bar	5,453	5,304	2,048
Kent Coal Co., Ltd., Edmonton	43,951	47,241	47,492
Long Coal Co., Ltd., Namao	1,819	3,248	6,903
McDonell Coal Co. (formerly McDonell & Gwilliam), Namao	6,412	10,632	7,897
Marcus Coal Mines, Ltd., Edmonton	51,844	55,405	51,768
Ottewell Coal Co., Clover Bar	11,501	13,065	24,677
Parker, L., Cardiff	6,645	7,118	6,282
Poholka, S., South Edmonton	5,848	6,753	7,273
Pine Creek Coal Co., South Edmonton	2,738	4,935	7,292
Red Hot Coal Co. Ltd. (formerly Fridel Red Hot Coal Co.), Forest Heights	5,501	7,098	9,914
Riverdale Coal Co., Edmonton	4,278	5,818	5,486
Sinoski, M., Strathcona	7,382	6,435	5,748
All other operators	19,690	20,010	31,865
Total	493,884	542,854	542,063

Table 116.—Output of Coal by Principal Collieries in Alberta, 1935-1937 (Average of 500 tons or more per month)—Continued

(Short tons)

Name and address	1935	1936	1937
Lignite—Continued			
GLEICHEN DISTRICT	9,172	9,897	19,902
HALCOURT DISTRICT	3,753	3,454	4,620
LETHBRIDGE DISTRICT—			
Canadian Pacific Railway Co., Dept. of Natural Resources, Calgary	31,569	.....	.....
Chester Mine (formerly Royal Lethbridge Collieries) Lethbridge	19,014	11,869	11,691
City of Lethbridge Coal Mines, Lethbridge	12,932	13,144	12,675
Hamilton, J. J., Coal Co. (formerly Cadillac Coal Co., Ltd., and Lethbridge Collieries, Ltd.,) Lethbridge	13,970	20,237	20,352
Lethbridge Collieries, Ltd. (formerly Royalties Oil and Shares Corp., Ltd.), Lethbridge	98,243	361	.....
Lethbridge Collieries, Ltd. (formerly Cadillac Coal Co., Ltd.), Lethbridge	142,146	178,948	108,420
Lethbridge Collieries Ltd. (formerly C.P.R. Co.), Lethbridge	356	83,490	159,824
Lund, Nelson, Hagblad & Degaust, Lethbridge	11,157	15,401	14,658
Northern Coal Co., Ltd., Picture Butte	4,045	8,158	1,174
Rollingson, J., Lethbridge	9,121	10,077	8,780
All other operators	8,451	9,282	12,814
Total	351,004	350,967	350,388
MAGRATH DISTRICT	1,282	857	995
MILK RIVER DISTRICT	4,492	5,500	4,290
PAKAN DISTRICT	245	335	773
PAKOWKI DISTRICT	2,803	3,692	1,339
PEMBINA DISTRICT—			
Lakeside Coals Ltd., Edmonton	29,174	35,210	31,194
Royalties Oil & Share Corp. Ltd., Calgary	42,596	18,104	.....
All other operators	393	642	2,209
Total	72,163	53,956	33,403
REDCLIFF DISTRICT—			
Gunderson Brick & Coal Co., Ltd., Redcliff	15,137	14,934	13,382
Oliphant, John, Medicine Hat	19,013	21,037	15,704
All other operators	.....	462	1,117
Total	34,150	36,433	30,203
ROCHESTER DISTRICT	1,467	2,241	478
SEXSMITH DISTRICT	.....	44	43
SHEERNESS DISTRICT—			
Chinook Coal Co. Ltd., Sheerness	37,921	16,778	18,315
Sheerness Coal Co., Ltd. (formerly Leavell Coal Co. Ltd.), Sheerness	40,731	18,263	11,591
All other operators	10,225	12,304	9,482
Total	88,877	47,345	39,388
SLAVE LAKE DISTRICT	.....	.....	.....
STEVEVILLE DISTRICT	.....	.....	.....
TABER DISTRICT—			
Rock Springs Longwall Coal Co. (formerly Empire Collieries Ltd.), Calgary	2,820	740	.....
All other operators	11,999	13,454	13,139
Total	14,819	14,194	13,139

Table 116.—Output of Coal by Principal Collieries in Alberta, 1935-1937 (Average of 500 tons or more per month)—Concluded

(Short tons)

Name and address	1935	1936	1937
Lignite—Continued			
TOFIELD DISTRICT—			
Tofield Coal Co., Ltd., Tofield	47,300	31,837	39,398
Tredway Bros., Dodds	8,548	7,356	5,689
All other operators	3,652	3,653	3,228
Total	59,500	42,846	48,315
WETASKIWIN DISTRICT	728	1,776	2,238
WHITECOURT DISTRICT	80	163	356
Area not designated	2,939	2,908	4,598
Total lignite	2,647,849	2,841,991	2,642,795
Total Alberta	**5,462,894**	**5,696,960**	**5,562,839**

Table 117.—Tonnage Lost in Alberta Coal Mines, Showing by Districts the Relative Percentage Produced and Lost, with an Analysis of the Percentage Lost, 1936 and 1937

District	Per cent produced		Per cent lost		Percentage lost through									
					Absenteeism		Lack of orders		Car shortage		Mine disability		Other causes	
	1936	1937	1936	1937	1936	1937	1936	1937	1936	1937	1936	1937	1936	1937
BITUMINOUS—														
Cascade	67	70	33	30	3·0	3·2	30·0	26·8	.....	.....	.....	.....	.....	.....
Crowsnest	63	67	37	33	.....	.....	36·5	33·0	0·5	.....	.....	.....	.....	.....
Mountain Park	80	86	20	14	0·3	0·8	18·5	12·5	.....	.....	0·6	.....	0·6	0·7
Nordegg	62	62	38	38	.....	.....	38·0	38·0	.....	.....	.....	.....	.....	.....
Total bituminous	67	72	33	28	0·4	0·4	31·8	27·4	0·3	.....	0·2	.....	0·3	0·2
SUB-BITUMINOUS—														
Coalspur	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Morley	82	82	18	18	0·5	0·3	17·5	16·3	.....	.....	.....	0·4	.....	1·0
Pekisko	98	51	2	49	.....	.....	2·0	37·0	.....	.....	.....	.....	.....	11·4
Pincher	74	60	26	40	.....	.....	26·0	40·0	.....	.....	.....	.....	.....	.....
Prairie Creek	58	66	42	34	.....	.....	40·0	32·0	.....	.....	2·0	2·0	.....	.....
Saunders	84	91	16	9	.....	0·3	16·0	7·6	.....	.....	.....	.....	.....	1·1
	67	65	33	35	.....	.....	33·0	34·2	.....	.....	.....	.....	.....	0·8
Total sub-bituminous	81	81	19	19	0·2	0·3	18·8	17·0	.....	.....	.....	0·5	.....	1·2
LIGNITE—														
Ardley	70	64	30	36	0·3	.....	29·3	35·8	.....	.....	.....	0·1	0·4	0·1
Big Valley	50	49	50	51	.....	.....	50·0	50·4	.....	.....	.....	.....	.....	0·6
Brooks	70	88	30	12	.....	.....	30·0	12·0	.....	.....	.....	.....	.....	.....
Camrose	82	77	18	23	0·3	0·2	17·7	22·8	.....	.....	.....	.....	.....	.....
Carbon	63	63	37	37	0·2	.....	36·8	36·8	.....	0·2	.....	.....	.....	.....
Castor	60	61	40	39	0·9	0·2	38·4	38·0	.....	.....	0·2	0·1	0·5	0·7
Champion	63	55	37	45	1·0	.....	36·0	44·4	.....	.....	.....	0·6	.....	.....
Drumheller	69	62	31	38	.....	.....	31·0	37·8	.....	.....	.....	.....	.....	0·2
Edmonton	74	74	26	26	1·5	1·5	24·3	24·0	.....	.....	0·1	0·2	0·1	0·3
Gleichen	67	76	33	24	.....	.....	33·0	24·0	.....	.....	.....	.....	.....	.....
Halcourt	76	62	24	38	0·6	0·2	23·2	37·8	.....	.....	0·2	.....	.....	.....
Lethbridge	77	68	23	32	0·3	.....	22·3	31·4	.....	.....	0·2	0·1	0·2	0·5
Magrath	56	59	44	41	.....	.....	41·4	40·7	.....	.....	.....	.....	2·6	0·3
Milk River	57	51	43	49	.....	.....	43·0	49·0	.....	.....	.....	.....	.....	.....
Pakan	11	51	89	49	0·5	1·1	88·5	45·4	.....	.....	.....	1·0	.....	1·5
Pakowki	55	37	45	63	.....	.....	45·0	63·0	.....	.....	.....	.....	.....	.....
Pembina	61	56	39	44	.....	1·5	39·0	42·5	.....	.....	.....	.....	.....	.....
Redcliff	68	54	32	46	.....	.....	31·5	46·0	0·5	.....	.....	.....	.....	.....
Rochester	56	95	44	5	.....	.....	44·0	5·0	.....	.....	.....	.....	.....	.....
Sexsmith	100	86	.....	14	.....	.....	.....	14·0	.....	.....	.....	.....	.....	.....
Sheerness	59	51	41	49	.....	.....	40·7	47·2	.....	.....	.....	.....	0·3	1·8
Steveville	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Taber	56	55	44	45	.....	.....	44·0	45·0	.....	.....	.....	.....	.....	.....
Tofield	82	80	18	20	.....	.....	18·0	20·0	.....	.....	.....	.....	.....	.....
Wetaskiwin	74	75	26	25	.....	.....	26·0	25·0	.....	.....	.....	.....	.....	.....
Whitecourt	45	57	55	43	.....	.....	55·0	43·0	.....	.....	.....	.....	.....	.....
Area not designated	73	69	27	31	.....	0·3	23·9	30·7	.....	.....	.....	.....	3·1	.....
Total lignite	70	65	30	35	0·3	0·4	29·5	34·3	.....	.....	0·1	.....	0·1	0·3
Total Alberta	**70**	**69**	**30**	**31**	**0·3**	**0·5**	**29·4**	**30·1**	**0·1**	.....	**0·0**	**0·1**	**0·2**	**0·3**

Table 118.—Total Disposition of Coal from Alberta Mines, by Grades, 1936 and 1937

(Short tons)

—	1936		1937					
	Total		Run-of-mine	Lump	Nut and other grades	Slack	Total	
	Quantity	Value					Quantity	Value
		$						$
Supplied to employees for domestic consumption	41,927	101,231	19,969	17,800	5,259	420	43,448	104,906
Coal shipped as per Table 122	5,314,521	13,917,513	2,331,949	1,382,960	706,184	794,679	5,215,772	13,801,053
Used under colliery boilers	149,556	308,113	81,312	2,485	7,535	54,688	146,020	314,840
Used by companies' railroads	6,674	14,842	6,167	10	.....	.....	6,177	14,012
Used in making coke at colliery	97,353	253,115	.....	.....	.....	99,537	99,537	258,795
Used in making briquettes	19,471	63,281	1,840	.....	.....	23,494	25,334	76,767
Put on bank	55,972	121,730	25,241	4,974	3,574	12,296	46,085	117,580
Put on waste heap	79,771	.....	.....	.....	.....	.....	38,220	.....
Total disposition	5,765,245	14,782,825	2,466,478	1,408,229	722,552	985,114	5,620,593	14,687,953
Lifted from bank	61,181	123,120	26,455	4,917	2,836	17,120	51,328	124,042
Lifted from waste heap	7,104	.....	.....	.....	.....	.....	6,426	.....
Total output	5,696,960	14,659,705	2,440,023	1,403,312	719,716	967,994	5,562,839	14,563,911

Table 119.—Disposition of Bituminous Coal from Alberta Mines, 1936 and 1937

(Short tons)

—	1936		1937					
	Total		Run-of-mine	Lump	Nut and other grades	Slack	Total	
	Quantity	Value					Quantity	Value
		$						$
Supplied to employees for domestic consumption	19,401	47,508	15,799	3,965	36	236	20,036	18,572
Coal shipped as per Table 123	2,042,447	5,999,650	1,780,122	12,487	53,014	337,401	2,183,024	6,354,386
Used under colliery boilers	80,147	223,420	66,675	.....	.....	18,821	85,496	236,100
Used by companies' railroads	1,141	3,752	1,264	.....	.....	.....	1,264	4,057
Used in making coke at colliery	97,353	253,115	.....	.....	.....	99,537	99,537	258,795
Used in making briquettes	19,471	63,281	1,840	.....	.....	23,494	25,334	76,767
Put on bank	32,884	96,246	23,331	83	40	2,842	26,296	78,755
Put on waste heap	26,720	.....	.....	.....	.....	.....	263	.....
Total disposition	2,319,561	6,687,072	1,889,031	16,535	53,090	482,331	2,441,250	7,057,432
Lifted from bank	30,655	89,749	24,522	78	31	2,835	27,466	82,264
Lifted from waste heap	175	.....	.....	.....	.....	.....	.....	.....
Total output	2,288,731	6,597,323	1,864,509	16,457	53,059	479,496	2,413,784	6,975,168

Table 120.—Disposition of Sub-Bituminous Coal from Alberta Mines, by Grades, 1936 and 1937

(Short tons)

—	1936		1937					
	Total		Run-of-mine	Lump	Nut and other grades	Slack	Total	
	Quantity	Value					Quantity	Value
		$						$
Supplied to employees for domestic consumption	2,390	6,866	1,690	344	372	.....	2,406	6,731
Coal shipped as per Table 124	505,432	1,368,662	245,784	93,255	83,063	33,284	455,386	1,254,802
Used under colliery boilers	26,744	47,299	13,651	300	717	10,410	25,078	46,499
Used by companies' railroads	4,687	9,374	4,226	.....	.....	.....	4,226	8,577
Put on bank	3,633	7,413	1,542	71	661	1,746	4,020	9,559
Put on waste heap	26,224	.....	.....	.....	.....	.....	21,346	.....
Total disposition	569,110	1,439,614	266,893	93,970	84,813	45,440	512,462	1,326,168
Lifted from bank	2,875	6,873	1,767	223	617	3,225	5,832	11,872
Lifted from waste heap	.....	.....	.....	.....	.....	.....	370	.....
Total output	566,235	1,432,741	265,126	93,747	84,196	42,215	506,260	1,314,196

Table 121.—Disposition of Lignite Coal from Alberta Mines, 1936 and 1937

(Short tons)

—	1936		1937					
	Total		Run-of-mine	Lump	Nut and other grades	Slack	Total	
	Quantity	Value					Quantity	Value
		$						$
Supplied to employees for domestic consumption	20,136	46,857	2,480	13,491	4,851	184	21,006	49,683
Coal shipped as per Table 125	2,766,642	6,549,201	306,043	1,277,218	570,107	423,994	2,577,362	6,191,865
Used under colliery boilers	42,665	37,294	986	2,185	6,818	25,457	35,446	32,241
Used by companies' railroads	846	1,716	677	10	.....	.....	687	1,378
Put on bank	19,455	21,071	368	4,820	2,873	7,708	15,769	29,266
Put on waste heap	26,827	.....	.....	.....	.....	.....	16,611	.....
Total disposition	2,876,571	6,656,139	310,554	1,297,724	584,649	457,343	2,666,881	6,304,353
Lifted from bank	27,651	26,498	166	4,616	2,188	11,060	18,030	29,806
Lifted from waste heap	6,929	.....	.....	.....	.....	.....	6,056	.....
Total output	2,841,991	6,629,641	310,388	1,293,108	582,461	446,283	2,642,795	6,274,547

Table 122.—Total Shipments of Coal from Alberta Mines, by Grades and Destination, 1936 and 1937

(Short tons)

Destination	1936					1937				
	Run-of-mine	Lump	Nut and other grades	Slack	Total	Run-of-mine	Lump	Nut and other grades	Slack	Total
Alberta	226,857	512,553	302,730	272,458	1,314,598	258,469	468,290	290,771	270,190	1,287,720
Saskatchewan	48,278	716,491	260,358	217,704	1,242,831	72,994	602,183	231,345	179,158	1,085,680
British Columbia	3,045	71,810	40,381	129,710	244,946	4,724	76,885	53,556	134,121	269,286
Manitoba	21,599	189,890	82,772	154,990	449,251	18,075	180,896	80,638	159,297	438,906
Ontario	285	50,583	11,519	3,792	66,179	2,945	42,074	10,141	8,156	63,316
Quebec	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Northwest Territories	.....	.....	.....	.....	.....	.....	82	.....	.....	82
United States	288	5,085	11,180	10,285	26,838	327	6,550	20,753	14,693	42,323
Railroads—										
In Canada	1,920,919	9,658	18,343	18,069	1,966,989	1,969,725	6,000	18,980	29,064	2,023,769
In United States	2,308	118	463	.....	2,889	4,690	.....	.....	.....	4,690
Total	2,223,579	1,556,188	727,746	807,008	5,314,521	2,331,949	1,382,960	706,184	791,679	5,215,772

Table 123.—Shipments of Bituminous Coal from Alberta Mines, by Grades and Destination, 1936 and 1937

(Short tons)

Destination	1936					1937				
	Run-of-mine	Lump	Nut and other grades	Slack	Total	Run-of-mine	Lump	Nut and other grades	Slack	Total
Alberta	13,053	3,819	2,335	3,006	22,213	13,891	3,531	3,061	6,143	26,626
Saskatchewan	11,474	2,397	5,920	42,530	62,321	14,312	1,190	6,631	27,506	49,639
British Columbia	2,289	2,231	2,896	123,593	131,009	3,495	1,130	8,357	131,447	144,429
Manitoba	11,216	1,133	11,125	116,697	140,171	11,336	680	10,693	128,083	150,792
Ontario	182	.....	766	3,646	4,594	116	.....	1,766	7,196	9,078
United States	288	251	4,447	10,061	15,047	283	685	12,559	13,719	27,246
Railroads—										
In Canada	1,638,367	6,351	5,303	14,763	1,664,784	1,731,999	5,271	9,947	23,307	1,770,524
In the United States	2,308	.....	.....	.....	2,308	4,690	.....	.....	.....	4,690
Total	1,679,177	16,182	32,792	314,296	2,042,447	1,780,122	12,487	53,014	337,401	2,183,024

Table 124.—Shipments of Sub-Bituminous Coal from Alberta Mines, by Grades and Destination, 1936 and 1937

(Short tons)

Destination	1936					1937				
	Run-of-mine	Lump	Nut and other grades	Slack	Total	Run-of-mine	Lump	Nut and other grades	Slack	Total
Alberta	5,907	16,711	8,896	13,241	44,755	6,067	16,586	12,289	11,960	46,902
Saskatchewan	916	8,423	5,979	5,438	20,756	819	6,017	6,368	4,584	17,788
British Columbia	657	19,165	17,990	1,028	38,840	689	21,678	23,441	1,258	47,066
Northwest Territories	.....	.....	.....	.....	.....	.....	82	.....	.....	82
Manitoba	659	35,133	28,902	11,755	76,449	483	32,701	29,367	9,385	71,936
Ontario	.....	19,059	2,703	84	21,846	.....	15,462	2,565	340	18,367
United States	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Railroads—										
In Canada	282,552	3,307	13,040	3,306	302,205	237,726	729	9,033	5,757	253,245
In United States	.....	118	463	.....	581	.....	.....	.....	.....	.....
Total	**290,691**	**101,916**	**77,973**	**34,852**	**505,432**	**245,784**	**93,255**	**83,063**	**33,284**	**455,386**

Table 125.—Shipments of Lignite Coal from Alberta Mines, by Grades and Destination, 1936 and 1937

(Short tons)

Destination	1936					1937				
	Run-of-mine	Lump	Nut and other grades	Slack	Total	Run-of-mine	Lump	Nut and other grades	Slack	Total
Alberta	207,897	492,023	291,499	256,211	1,247,630	238,511	448,173	275,421	252,087	1,214,192
Saskatchewan	35,888	705,671	248,459	169,736	1,159,754	57,863	594,976	218,346	147,068	1,018,253
British Columbia	99	50,414	19,495	5,089	75,097	540	54,077	21,758	1,416	77,791
Manitoba	9,724	153,624	42,745	26,538	232,631	6,256	147,515	40,578	21,829	216,178
Ontario	103	31,524	8,050	62	39,739	2,829	26,612	5,810	620	35,871
United States	.....	4,834	6,733	224	11,791	44	5,865	8,194	974	15,077
Railroads	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total	**253,711**	**1,438,090**	**616,981**	**457,860**	**2,766,642**	**306,043**	**1,277,218**	**570,107**	**423,994**	**2,577,362**

Table 126.—Exports of Canadian Coal through Alberta Ports, 1933-1937

(Shor tons)

Port	1933	1934	1935	1936	1937
Coutts	.....	.....	.....	1,163	1,568
Lethbridge	1,126	1,363	1,548	856	553
Total	**1,126**	**1,363**	**1,548**	**2,019**	**2,121**

Table 127.—Imports into Alberta of Anthracite, Bituminous and Lignite Coal, by Ports of Entry, 1936 and 1937*

(Short tons)

Port	Source	1936				1937						
						Anthracite						
		Anthracite	Bituminous all grades	Lignite	Total	Grate, egg, stove, nut, d'bles cobbles and trebles	Screenings or dust	Peas, beans, and smaller sizes, n.o.p.	Total	Bituminous all grades	Lignite	Total
Calgary	U.S.	.....	212	.....	212	.....	.....	.....	.....	150	.....	150
Edmonton	U.S.	.....	959	.....	959	.....	.....	.....	.....	1,082	.....	1,082
Lethbridge	U.S.	.....	34	33	67	.....	.....	34	34	61	28	123
Medicine Hat	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total	**U.S.**	.....	**1,205**	**33**	**1,238**	.....	.....	**34**	**34**	**1,293**	**28**	**1,355**

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

Table 128.—Summary Statistics for Alberta in 1937—Output, Exports, Interprovincial Shipments, Imports and Coal made Available for Consumption, by Months and by Kinds

(Short tons)

Month	Canadian coal				Imported from U.S.A.	Coal available for consumption
	Output	Received from other provinces	Shipped to other provinces	Exported		
January—						
Bituminous	188,469	167	42,075	19	78	146,620
Sub-bituminous	61,506	...	27,095	...	...	34,411
Lignite	421,671	...	222,456	47	4	199,172
Total	671,646	167	291,626	66	82	380,203
February—						
Bituminous	194,794	350	34,983	...	39	160,200
Sub-bituminous	50,430	...	17,545	...	...	32,885
Lignite	297,527	...	151,803	71	...	145,653
Total	542,751	350	204,331	71	39	338,738
March—						
Anthracite	...	...	...	...	34	34
Bituminous	209,507	940	27,815	3	145	182,774
Sub-bituminous	33,605	...	5,995	...	...	27,610
Lignite	140,520	...	65,043	53	...	75,424
Total	383,632	940	98,853	56	179	285,842
April—						
Bituminous	192,831	1,393	17,601	5	72	176,600
Sub-bituminous	31,043	...	4,245	...	...	26,798
Lignite	81,523	...	30,923	13	...	50,587
Total	305,397	1,303	52,769	18	72	253,985
May—						
Bituminous	194,194	1,202	22,090	9	443	173,740
Sub-bituminous	21,520	...	1,270	...	...	20,250
Lignite	57,924	...	22,751	8	2	35,167
Total	273,638	1,202	46,111	17	445	229,157
June—						
Bituminous	198,664	1,350	20,429	20	61	179,626
Sub-bituminous	18,232	...	1,572	...	...	16,660
Lignite	44,378	...	16,837	5	3	27,539
Total	261,274	1,350	38,838	25	64	223,825
July—						
Bituminous	197,563	1,412	21,586	13	110	177,486
Sub-bituminous	23,016	...	4,193	...	...	18,823
Lignite	49,402	...	19,801	3	1	29,599
Total	269,981	1,412	45,580	16	111	225,908
August—						
Bituminous	185,451	1,362	25,163	11	140	161,779
Sub-bituminous	37,370	...	7,371	...	...	29,999
Lignite	128,702	...	65,664	55	...	62,983
Total	351,523	1,362	98,198	66	140	254,761
September—						
Bituminous	194,560	1,282	26,603	38	32	169,233
Sub-bituminous	45,805	...	13,400	...	...	32,405
Lignite	222,852	...	131,979	166	1	90,708
Total	463,217	1,282	171,982	204	33	292,346
October—						
Bituminous	213,535	1,093	29,994	82	40	184,592
Sub-bituminous	62,501	...	24,009	...	...	38,492
Lignite	418,638	...	247,213	536	...	170,889
Total	694,674	1,093	301,216	618	40	393,973
November—						
Bituminous	227,724	765	36,516	319	66	191,720
Sub-bituminous	58,464	...	22,119	...	...	36,345
Lignite	396,446	...	178,487	392	7	217,574
Total	682,634	765	237,122	711	73	445,639
December—						
Bituminous	216,492	158	49,083	46	67	167,588
Sub-bituminous	62,768	...	26,425	...	...	36,343
Lignite	383,212	...	195,136	207	10	187,879
Total	662,472	158	270,644	253	77	391,810
Total—						
Anthracite	...	...	...	...	34	34
Bituminous	2,413,784	11,384	353,938	565	1,233	2,071,958
Sub-bituminous	506,260	...	155,239	...	...	351,021
Lignite	2,642,795	...	1,348,093	1,556	28	1,293,174
Total	5,562,839	11,384	1,857,270	2,121	1,355	3,716,187

Table 129.—Employees, Salaries and Wages, in the Coal Mines of Alberta, by Districts, 1936

District	Average number of employees					Salaries and wages		
	Salaried employees		Wage-earners		Total	Salaries	Wages	Total
	Male	Female	Surface	Underground				
						$	$	$
BITUMINOUS—								
Cascade	17	1	79	195	292	45,758	330,557	376,315
Crowsnest	107	5	449	1,438	1,999	260,560	2,090,326	2,350,886
Mountain Park	72	7	241	539	859	183,127	1,024,952	1,208,079
Nordegg	15	.....	79	164	258	38,214	259,391	297,605
Total bituminous	211	13	848	2,336	3,408	527,659	3,705,226	4,232,885
SUB-BITUMINOUS—								
Coalspur	39	5	252	159	455	113,346	475,818	589,164
Morley	.....	.....	.....	2	2	.....	510	510
Pekisko	.....	.....	2	9	11	.....	6,450	6,450
Pincher	.....	.....	2	3	5	.....	2,803	2,803
Prairie Creek	12	.....	52	115	179	21,890	224,675	246,565
Saunders	16	.....	29	69	114	25,717	107,138	132,855
Total sub-bituminous	67	5	337	357	766	160,953	817,394	978,347
LIGNITE—								
Ardley	2	.....	10	41	53	2,900	33,249	36,149
Big Valley	.....	.....	2	10	12	.....	4,386	4,386
Brooks	2	.....	9	5	16	3,500	11,367	14,867
Camrose	6	1	19	68	94	13,720	58,404	72,124
Carbon	7	3	36	140	186	14,325	126,090	140,115
Castor	1	.....	13	83	97	500	39,373	39,873
Champion	2	.....	7	49	58	1,660	31,770	33,430
Drumheller	109	7	401	1,564	2,081	225,020	2,209,696	2,434,716
Edmonton	76	5	135	662	878	115,454	632,228	747,682
Gleichen	.....	.....	4	18	22	.....	13,115	13,115
Halcourt	.....	.....	2	14	16	.....	7,990	7,990
Lethbridge	33	2	141	406	582	75,559	613,812	689,371
Magrath	.....	.....	1	5	6	.....	1,618	1,618
Milk River	.....	.....	6	9	15	.....	7,845	7,845
Pakan	.....	.....	4	1	5	.....	249	249
Pakowki	.....	.....	1	10	11	.....	4,497	4,497
Pembina	5	.....	23	45	73	3,690	48,045	51,735
Redcliff	2	.....	12	37	51	3,500	35,700	39,200
Rochester	.....	.....	2	3	5	.....	1,800	1,800
Sheerness	4	.....	52	17	73	6,720	29,867	36,587
Steveville	.....	.....	.....	.....	.....	.....	.....	.....
Taber	1	.....	10	29	40	1,603	18,685	20,288
Tofield	8	.....	52	4	64	7,078	36,631	43,709
Wetaskiwin	.....	.....	2	5	7	.....	1,200	1,200
Whitecourt	.....	.....	.....	1	1	.....	220	220
Area not designated	1	.....	2	4	7	675	2,902	3,577
Total lignite	259	18	946	3,230	4,453	475,904	3,970,739	4,446,643
Total Alberta	**537**	**36**	**2,131**	**5,923**	**8,627**	**1,164,516**	**8,493,359**	**9,657,875**

Table 130.—Employees, Salaries and Wages in the Coal Mines of Alberta, by Districts, 1937

District	Average number of employees					Salaries and wages		
	Salaried employees		Wage-earners		Total	Salaries	Wages	Total
	Male	Female	Surface	Underground				
						$	$	$
Bituminous—								
Cascade	17	1	79	188	285	47,665	341,962	389,627
Crowsnest	102	6	442	1,404	1,954	257,361	2,199,706	2,457,067
Mountain Park	66	5	257	539	867	197,367	1,197,321	1,394,688
Nordegg	15	.....	82	166	263	37,698	270,798	308,496
Total bituminous	200	12	860	2,297	3,369	540,091	4,009,787	4,549,878
Sub-Bituminous—								
Coalspur	41	6	222	147	416	104,735	456,826	561,561
Morley	.....	.....	1	3	4	.....	1,300	1,300
Pekisko	.....	.....	2	10	12	.....	6,781	6,781
Pincher	.....	.....	2	3	5	.....	2,575	2,575
Prairie Creek	12	1	41	110	164	25,485	209,542	235,027
Saunders	15	.....	30	72	117	24,254	108,199	132,453
Total sub-bituminous	68	7	298	345	718	154,474	785,223	939,697
Lignite—								
Ardley	2	.....	10	41	53	2,900	28,371	31,271
Big Valley	.....	.....	1	9	10	.....	3,828	3,828
Brooks	2	.....	6	6	14	4,500	10,392	14,892
Camrose	8	1	19	65	93	13,606	58,126	71,732
Carbon	7	1	33	138	179	12,040	128,153	140,193
Castor	1	.....	12	70	83	500	36,004	36,504
Champion	2	.....	7	46	55	1,600	24,639	26,239
Drumheller	115	7	350	1,496	1,968	230,061	1,939,910	2,169,971
Edmonton	70	3	129	634	836	117,716	603,900	721,616
Gleichen	2	.....	12	51	65	2,000	28,838	30,838
Halcourt	.....	.....	3	16	19	.....	12,291	12,291
Lethbridge	36	2	129	433	600	85,344	543,928	629,272
Magrath	.....	.....	1	4	5	.....	1,468	1,468
Milk River	.....	.....	6	8	14	.....	6,343	6,343
Pakan	.....	.....	3	4	7	.....	1,800	1,800
Pakowki	.....	.....	1	7	8	.....	2,534	2,534
Pembina	2	.....	13	44	59	3,037	33,438	36,475
Redcliff	.....	.....	20	33	53	.....	32,543	32,543
Rochester	1	.....	.....	1	2	300	800	1,100
Sexsmith	.....	.....	.....	1	1	.....	73	73
Sheerness	3	.....	41	11	55	5,428	24,192	29,620
Taber	1	.....	9	28	38	1,100	18,638	19,738
Tofield	7	.....	41	5	53	7,510	27,705	35,215
Wetaskiwin	.....	.....	1	5	6	.....	2,680	2,680
Whitecourt	.....	.....	1	1	2	.....	364	364
Area not designated	.....	.....	3	5	8	.....	4,033	4,033
Total lignite	259	14	851	3,162	4,286	487,642	3,574,991	4,062,633
Total Alberta	**527**	**33**	**2,009**	**5,804**	**8,373**	**1,182,207**	**8,370,001**	**9,552,208**

Table 131.—Employment and Earnings in the Coal Mines of Alberta, 1933-1937

—	1933	1934	1935	1936	1937
Average number of wage-earners—					
Surface	2,075	2,066	2,057	2,131	2,009
Underground	5,896	5,773	5,605	5,923	5,804
Total	**7,971**	**7,839**	**7,662**	**8,054**	**7,813**
Days' work done—					
Surface	469,430	473,827	499,136	517,453	498,615
Underground	958,835	951,265	1,087,843	1,165,041	1,114,926
Total	**1,428,265**	**1,425,092**	**1,586,979**	**1,682,494**	**1,613,541**
Average number of days worked per man per year—					
Surface	226	229	242	243	248
Underground	163	165	194	197	192
By all wage-earners	**179**	**182**	**207**	**209**	**207**
Total wages paid	**$ 6,900,798**	**$ 6,895,136**	**$ 7,891,362**	**$ 8,493,359**	**$ 8,370,001**

Table 132.—Wage-Earners Employed, and Work Done, by Months, in the Coal Mines of Alberta in 1937

Month	Number of wage-earners			Days' work done		
	Surface	Underground	Total	Surface	Underground	Total
January	2,353	7,483	9,836	49,824	135,122	184,946
February	2,316	7,174	9,490	46,565	106,822	153,387
March	2,047	5,957	8,004	37,114	76,946	114,060
April	1,796	4,534	6,330	32,016	60,983	92,999
May	1,624	3,922	5,546	30,235	55,557	85,792
June	1,615	3,796	5,411	36,014	53,504	89,518
July	1,533	3,846	5,379	30,314	57,810	88,124
August	1,830	5,207	7,037	36,738	76,551	113,289
September	2,052	6,308	8,360	42,055	95,926	137,981
October	2,372	6,968	9,340	56,308	138,025	194,333
November	2,307	7,271	9,578	52,074	131,379	183,453
December	2,263	7,186	9,449	49,358	126,301	175,659
Total				**498,615**	**1,114,926**	**1,613,541**

Table 133.—Number of Man-Days Work Done in the Coal Mines of Alberta, by Districts, 1936 and 1937

District	1936			1937		
	Surface	Underground	Total	Surface	Underground	Total
BITUMINOUS—						
Brûlé						
Cascade	20,719	35,602	56,321	20,816	35,667	56,483
Crowsnest	107,948	256,597	364,545	110,929	267,373	378,302
Mountain Park	55,407	127,802	183,209	75,058	138,732	213,790
Nordegg	20,516	24,050	44,566	22,321	22,881	45,202
Total bituminous	**204,590**	**444,051**	**648,641**	**229,124**	**464,653**	**693,777**
SUB-BITUMINOUS—						
Coalspur	70,656	27,343	97,999	60,322	24,241	84,563
Morley	88	445	533	76	499	575
Pekisko	511	1,740	2,251	624	1,527	2,151
Pincher	432	669	1,101	426	611	1,037
Prairie Creek	13,143	29,365	42,508	11,178	30,333	41,511
Saunders	5,779	13,312	19,091	5,577	13,072	18,649
Total sub-bituminous	**90,609**	**72,874**	**163,483**	**78,203**	**70,283**	**148,486**
LIGNITE—						
Ardley	2,901	8,202	11,103	2,679	7,097	9,776
Big Valley	527	1,426	1,953	397	1,333	1,730
Brooks	1,808	1,201	3,009	1,913	1,240	3,153
Camrose	4,994	16,387	21,381	4,552	14,435	18,987
Carbon	8,360	25,049	33,409	7,696	24,709	32,405
Castor	3,988	14,488	18,476	3,282	11,057	14,339
Champion	1,921	8,632	10,553	1,624	7,396	9,020
Drumheller	88,832	300,770	389,602	72,824	259,868	332,692
Edmonton	33,055	146,683	179,738	32,169	135,175	167,344
Gleichen	988	3,492	4,480	3,073	11,661	14,734
Halcourt	691	3,239	3,930	878	3,825	4,703
Lethbridge	38,522	89,392	127,914	32,330	78,502	110,832
Magrath	171	731	902	257	743	1,000
Milk River	1,251	1,407	2,658	1,266	968	2,234
Pakan	238	150	388	496	668	1,164
Pakowki	295	1,186	1,481	199	635	834
Pembina	4,986	7,647	12,633	3,769	6,022	9,791
Redcliff	2,350	7,626	9,976	2,249	5,635	7,884
Rochester	295	566	861	98	178	276
Sexsmith	25		25	54	31	85
Sheerness	9,868	2,724	12,592	6,656	1,674	8,330
Steveville						
Taber	1,838	4,496	6,334	1,801	4,103	5,904
Tofield	13,669	724	14,393	10,145	885	11,030
Wetaskiwin	277	902	1,179	286	951	1,237
Whitecourt	28	82	110	80	122	202
Area not designated	376	914	1,290	515	1,077	1,592
Total lignite	**222,254**	**648,116**	**870,370**	**191,288**	**579,990**	**771,278**
Total Alberta	**517,453**	**1,165,041**	**1,682,494**	**498,615**	**1,114,926**	**1,613,541**

Table 134.—Wage-Earners Employed in the Coal Mines of Alberta, by Classes, 1936 and 1937

Classification	1936			1937		
	Surface	Underground	Total	Surface	Underground	Total
Administration	60	.....	60	57	.....	57
Foremen and officials	119	382	501	113	406	519
Clerks	133	.....	133	132	.....	132
Screenmen and loaders	647	.....	647	608	.....	608
Hand cutters and helpers	.....	2,005	2,005	.....	1,931	1,931
Machine cutters and helpers	.....	309	309	.....	322	322
Machine loaders and helpers	.....	1,562	1,562	.....	1,522	1,522
Horse haulage employees	31	394	425	33	382	415
Mechanical haulage employees	68	270	338	72	281	353
Ventilation employees	.....	62	62	.....	52	52
Roadmakers	12	143	155	5	137	142
Stripping shovel operators	.....	.....	.....	9	.....	9
Timbermen	.....	247	247	.....	272	272
Pumpmen	4	41	45	2	26	28
Chute loaders	.....	159	159	.....	168	168
Enginemen	144	3	147	146	3	149
Firemen	90	.....	90	91	.....	91
Machinists	64	7	71	64	6	70
Carpenters and masons	60	3	63	52	3	55
Other mechanics	100	14	114	101	15	116
All other employees	599	322	921	524	278	802
Total	**2,131**	**5,923**	**8,054**	**2,009**	**5,804**	**7,813**

Table 135.—Capital Employed in the Coal Mines of Alberta, 1936 and 1937

—	1936	1937
	$	$
Capital employed as represented by—		
Cost of lands, buildings, machinery and tools	31,435,333	30,935,737
Cost of supplies and stock on hand	938,240	953,018
Cash, trading and operating accounts and bills receivable	8,231,002	6,567,237
Total	**40,604,575**	**38,455,992**

CHAPTER TEN

BRITISH COLUMBIA

Production from British Columbia mines in 1937 advanced 7·4 per cent to 1,598,843 tons from the 1936 total of 1,489,171 tons. An increase of 15·3 per cent was recorded in the Island district; the 1937 total was 913,230 tons and the preceding year's output was 792,028 tons. In the Inland district, 190,650 tons were mined compared with 182,982 tons in the preceding year. The Crow's Nest Pass district produced 494,963 tons or 3·7 per cent below the 1936 output.

British Columbia mines shipped 1,246,544 tons of coal in 1937 (exclusive of tonnage supplied to employees for domestic consumption) as against 1,201,038 tons, a year ago. Railroads in Canada purchased 355,083 tons of British Columbia coal for locomotive use; in the previous year, 381,332 tons were purchased. Shipments to the United States for railroad use declined to 8,871 tons from the 1936 total of 9,538 tons. Sales for bunker purposes rose 28·6 per cent to 179,394 tons. The Manitoba market received 59,410 tons in 1937 compared with 100,900 tons in 1936. The remainder of the tonnage shipped from the mines was consigned for domestic and industrial use in British Columbia, the United States, Ontario, Alaska, Alberta and Saskatchewan.

Retail coal dealers purchased 36,000 tons of run-of-mine coal during the year, 156,000 tons of lump, 65,000 tons of pea, 56,000 tons of nut, 40,000 tons of egg, and 18,000 tons of slack. Domestic consumers and employees purchased 49,000 tons, of which 71·4 per cent was lump. Industrial users received 175,000 tons direct from the mines; 64 per cent of this coal was slack.

Employment was furnished by the British Cloumbia coal mining industry, at the mines, to 2,873 wage-earners who received wages totalling $3,568,627. These wage-earners obtained 741,346 man-days work in 1937, or an average of 258 days per man. In 1936, there were 2,639 wage-earners employed; wages amounted to $3,173,091, and man-days work, 686,038, or 260 days per man.

One hundred and twenty-four compressed air machines were used in 1937 by British Columbia coal mines to produce 908,169 tons or 56·8 per cent of the total tonnage mined. Explosives used during the year amounted to 411,896 pounds, or approximately 0·4 pounds per ton of coal mined.

Table 136.—Output of Coal from British Columbia Mines, 1836-1937

(Short tons)

Calendar year	Output	Value	Calendar year	Output	Value	Calendar year	Output	Value
		$			$			$
1836-1866	214,410	765,748	1891	1,130,227	3,027,528	1916	2,584,061	8,075,190
1867	34,988	124,950	1892	937,218	2,510,406	1917	2,433,888	8,235,716
1868	49,286	176,020	1893	1,093,980	2,930,304	1918	2,568,589	11,494,681
1869	40,098	143,208	1894	1,112,628	2,980,254	*1919	2,649,516	13,512,532
1870	33,424	119,372	1895	1,058,045	2,834,049	*1920	3,095,011	18,105,814
1871			1896	1,003,769	2,688,666	*1921	2,890,291	15,676,774
1872	166,274	593,836	1897	1,019,390	2,730,510	*1922	2,927,033	14,022,317
1873			1898	1,263,680	3,384,858	*1923	2,823,306	13,813,520
1874	90,788	243,183	1899	1,431,101	3,833,307	*1924	2,193,667	10,601,998
1875	109,361	292,932	1900	1,791,833	4,799,553	*1925	2,742,252	11,720,373
1876	157,007	420,555	1901	1,919,488	5,141,487	*1926	2,613,719	10,612,915
1877	156,455	419,076	1902	1,808,441	4,844,040	*1927	2,746,243	10,934,777
1878	213,750	572,544	1903	1,676,581	4,490,844	*1928	2,804,594	11,094,353
1879	260,277	697,170	1904	1,862,625	4,989,174	*1929	2,490,378	10,160,789
1880	305,045	817,086	1905	1,945,452	5,211,030	*1930	2,083,818	8,421,572
1881	257,056	688,542	1906	2,146,262	5,748,915	*1931	1,876,406	7,150,996
1882	323,201	865,716	1907	2,364,898	7,390,306	*1932	1,681,490	6,392,801
1883	240,075	643,059	1908	2,333,708	7,292,838	*1933	1,382,272	5,306,287
1884	441,130	1,181,598	1909	2,606,127	8,144,147	*1934	1,485,969	5,351,108
1885	372,987	999,072	1910	3,330,745	10,408,580	*1935	1,331,287	5,043,510
1886	375,415	1,005,576	1911	2,542,532	7,945,413	*1936	1,489,171	5,493,425
1887	486,142	1,302,165	1912	3,208,997	10,028,116	*1937	1,598,843	5,863,849
1888	539,467	1,445,001	1913	2,714,420	8,482,562			
1889	636,439	1,704,747	1914	2,239,799	6,999,374	Total	103,370,024	370,253,796
1890	767,586	2,056,035	1915	2,065,613	6,455,041			

* The tonnage shown for 1919-1937 inclusive, is the total output from all mines; for previous years the figures given include only sales, colliery consumption and coal used by operators.

Table 137.—Output of Coal from British Columbia Mines, by Months, 1933-1937

(Short tons)

Month	1933	1934	1935	1936	1937
January	123,596	146,786	142,181	127,373	135,718
February	128,959	116,436	107,148	140,327	133,276
March	111,615	111,838	100,201	125,886	149,918
April	96,316	108,813	111,747	126,856	136,833
May	81,988	107,535	103,949	118,952	114,070
June	85,218	107,878	93,030	123,484	130,399
July	92,485	114,761	96,467	118,676	126,091
August	126,280	133,790	92,275	117,328	130,043
September	112,632	112,460	101,537	115,084	140,513
October	139,658	148,281	124,526	129,532	145,307
November	137,642	131,469	132,210	120,208	123,123
December	145,883	145,922	126,016	125,465	133,552
Total	**1,382,272**	**1,485,969**	**1,331,287**	**1,489,171**	**1,598,843**

Table 138.—Output of Coal by Districts in British Columbia, 1933-1937

(Short tons)

District	1933	1934	1935	1936	1937
Crow's Nest Pass	502,334	676,858	457,149	514,161	494,963
Inland	194,041	166,500	169,409	182,982	190,650
Island	685,897	642,611	704,729	792,028	913,230
Total	**1,382,272**	**1,485,969**	**1,331,287**	**1,489,171**	**1,598,843**

Table 139.—Output of Coal by Principal Collieries in British Columbia, 1935-1937 (Average of 500 tons or over per month)

(Short tons)

Name	Address	1935	1936	1937
CROW'S NEST PASS DISTRICT—				
Corbin Collieries, Ltd	Corbin	12,356	.....	.....
Crow's Nest Pass Coal Co., Ltd	Fernie	444,793	514,161	494,963
Total		457,149	514,161	494,963
INLAND DISTRICT—				
Bulkley Valley Colliery	Telkwa	3,545	5,899	4,832
Coalmont Collieries, Ltd	Coalmont	93,821	104,942	105,433
Granby Cons. M.S. & P. Co., Ltd. (formerly Black Diamond Collieries, Ltd)	Princeton	.....	1,298	22,480
Middlesboro Collieries, Ltd	Merritt	28,691	28,517	28,309
Pleasant Valley Mining Co., Ltd	Princeton	5,799	7,202	5,255
Princeton Tulameen Coal Co. Ltd. (formerly Tulameen Valley Coal Co. and Lind Coal Mine)	Princeton	.....	899	14,753
Tulameen Collieries, Ltd	Princeton	9,601	12,362	1,724
Wilson Mining and Investment Co. Ltd. (formerly Blue Flame Coal Co.)	Vancouver	26,603	21,576	6,730
All other operators	.....	1,349	287	1,134
Total		169,409	182,982	190,650
ISLAND DISTRICT—				
Beban, Frank, Lumber Co. Ltd	Nanaimo	.....	.....	9,316
Canadian Collieries (Dunsmuir) Ltd	Nanaimo	289,817	266,261	469,791
Lantzville Collieries Ltd	Lantzville	7,688	8,333	6,351
Western Fuel Corporation of Canada, Ltd	Nanaimo	400,348	511,880	421,319
All other operators	.....	6,876	5,554	6,453
Total		704,729	792,028	913,230
Total British Columbia	.....	**1,331,287**	**1,489,171**	**1,598,843**

Table 140.—Tonnage Lost in British Columbia Mines, Showing, by Districts, the Relative Percentage Produced and Lost, with an Analysis of the Percentage Lost, 1936 and 1937

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	1936	71	29	.....	28·5	.....	.....	0·5
	1937	71	29	.....	26·5	.....	.....	2·5
Inland	1936	83	17	.....	14·2	1·8	.....	1·0
	1937	84	16	.....	15·3	0·5	.....	0·2
Island	1936	90	10	0·2	9·7	.....	.....	0·1
	1937	89	11	0·5	10·4	.....	0·1	.....
British Columbia	**1936**	**81**	**19**	**0·1**	**17·9**	**0·3**	.....	**0·7**
	1937	**82**	**18**	**0·2**	**16·8**	**0·1**	.....	**0·9**

Table 141.—Disposition of Coal from British Columbia Mines, by Grades, 1936 and 1937

(Short tons)

Description	1936		1937					
	Total		Run-of-mine	Lump	Nut and other grades	Slack	Total	
	Quantity	Value					Quantity	Value
		$						$
Supplied to employees for domestic consumption	17,187	52,645	2,224	16,923	1,017	1	20,165	62,296
Shipped as per Table 142	1,201,038	4,965,955	282,135	455,053	321,500	187,856	1,246,544	5,215,570
Used under colliery boilers, etc.	112,232	280,073	18,934	33	1,502	77,561	98,030	216,582
Used by companies' railroads	2,885	14,928	.....	4,004	153	.....	4,157	21,017
Used in making coke at colliery	52,360	99,649	.....	.....	.....	75,750	75,750	157,845
Put on bank	51,172	249,001	8,180	53,863	19,183	8,169	89,395	404,184
Put on waste heap	92,375	.....	.....	.....	.....	.....	119,859	.....
Total disposition	**1,529,249**	**5,662,251**	**311,473**	**529,876**	**343,355**	**349,337**	**1,653,900**	**6,107,494**
Lifted from bank	39,958	168,826	8,009	27,197	11,507	8,272	54,985	243,645
Lifted from waste heap	120	.....	.....	.....	.....	.....	72	.....
Total output	**1,489,171**	**5,493,425**	**303,464**	**502,679**	**331,848**	**341,065**	**1,598,843**	**5,863,849**

Table 142.—Shipments of Coal from British Columbia Mines, by Grades and Destination, 1936 and 1937

(Short tons)

Destination	1936					1937				
	Run-of-mine	Lump	Nut and other grades	Slack	Total	Run-of-mine	Lump	Nut and other grades	Slack	Total
British Columbia	26,811	167,116	183,195	76,177	453,299	38,420	186,385	203,720	81,825	510,350
Alberta	717	.....	.....	10,707	11,424	964	.....	635	9,785	11,384
Saskatchewan	4,794	193	.....	5,142	10,129	3,935	415	2,397	3,067	9,814
Manitoba	5,039	318	.....	95,543	100,900	6,354	1,239	20,291	31,526	59,410
Ontario	210	248	.....	19,284	19,742	177	466	.....	20,098	20,741
United States	192	13,588	16,118	32,547	62,445	46	13,359	26,902	37,910	78,217
Alaska	.....	12,588	125	.....	12,713	.....	13,123	157	.....	13,280
Railroads for locomotive use—										
(a) In Canada	236,730	133,614	6,843	4,145	381,332	223,811	118,099	9,630	3,543	355,083
(b) In the United States	9,330	208	.....	.....	9,538	8,428	140	274	29	8,871
Bunker	.....	95,443	44,073	.....	139,516	.....	121,827	57,494	73	179,394
Total	**283,823**	**423,316**	**250,354**	**243,545**	**1,201,038**	**282,135**	**455,053**	**321,500**	**187,856**	**1,246,544**

Table 143.—Exports of Canadian Coal through British Columbia Ports, 1933-1937

(Short tons)

Port	1933	1934	1935	1936	1937
Abbotsford	.....	.....	.....	.....	.....
Cranbrook	35,430	36,214	47,696	71,798	95,109
Fernie	2,641	4,025	10,232	2,280	5
Grand Forks	.....	.....	.....	.....	.....
Nanaimo	42,679	46,322	59,692	52,767	50,386
Nelson	.....	.....	.....	1	20
New Westminster	195	105	109	41	17
Penticton	143	40	60	52	67
Prince Rupert	71	96	18	87	35
Vancouver	203	615	.....	.....	.....
Victoria	.....	.....	.....	410	.....
Total	**81,362**	**87,417**	**117,807**	**127,436**	**145,639**

Table 144.—Imports into British Columbia of Anthracite, Bituminous and Lignite Coal, by Ports of Entry, 1936 and 1937*

(Short tons)

Port	Source	1936				1937						
						Anthracite						
		Anthracite	Bituminous, all grades	Lignite	**Total**	Grate, egg, stove, nut, d'bles, cobbles and trebles	Screenings or dust	Peas, beans and smaller sizes, n.o.p.	Total	Bituminous, all grades	Lignite	**Total**
Abbotsford	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cranbrook	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	15	**15**
Fernie	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Grand Forks	U.S.	.....	.....	18	**18**	.....	.....	.....	.....	.....	.....	.....
Greenwood	U.S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Nanaimo	U.S.	.....	113	.....	**113**	.....	.....	.....	.....	60	.....	**60**
Nelson	U.S.	.....	184	141	**325**	.....	.....	.....	.....	205	161	**366**
New Westminster	U.S.	.....	73	321	**394**	61	.....	.....	61	183	206	**450**
	G.B.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Penticton	U.S.	.....	.....	21	**21**	.....	.....	.....	.....	.....	.....	.....
Prince Rupert	U.S.	.....	67	.....	**67**	.....	.....	.....	.....	112	.....	**112**
Revelstoke	U.S.	.....	30	.....	**30**	.....	.....	.....	.....	89	.....	**89**
Vancouver	U.S.	30	1,260	4,151	**5,441**	.....	.....	.....	.....	1,647	835	**2,482**
	G.B.	.....	608	.....	**608**	.....	.....	.....	.....	.....	.....	.....
	Germany	1	.....	.....	**1**	.....	.....	.....	.....	.....	.....	.....
	China	1,120	.....	.....	**1,120**	.....	.....	.....	.....	.....	.....	.....
Victoria	U.S.	.....	1,074	.....	**1,074**	.....	.....	.....	.....	181	.....	**181**
	G.B.	.....	54	.....	**54**	.....	.....	.....	.....	.....	.....	.....
Total	**U.S.**	**30**	**2,801**	**4,652**	**7,483**	**61**	.....	.....	**61**	**2,477**	**1,217**	**3,755**
	G.B.	.....	**662**	.....	**662**	.....	.....	.....	.....	.....	.....	.....
	Germany	**1**	.....	.....	**1**	.....	.....	.....	.....	.....	.....	.....
	China	**1,120**	.....	.....	**1,120**	.....	.....	.....	.....	.....	.....	.....
Grand total	.....	**1,151**	**3,463**	**4,652**	**9,266**	**61**	.....	.....	**61**	**2,477**	**1,217**	**3,755**

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

Table 145.—Summary Statistics for British Columbia in 1937—Output, Exports, Interprovincial Shipments, Imports and Coal made Available for Consumption, by Months and by Kinds

(Short tons)

Month	Canadian coal				Imported from United States	Coal available for consumption
	Output	Received from other provinces	Shipped to other provinces	Exported		
January—						
Anthracite	.....	.....	.....	.....	.....	.....
Bituminous	135,718	13,845	13,807	12,983	70	122,843
Sub-bituminous	.....	8,970	.....	.....	.....	8,970
Lignite	.....	13,126	.....	1,001	310	12,435
Total	135,718	35,941	13,807	13,984	380	144,248
February—						
Bituminous	133,276	11,748	14,700	14,790	124	115,658
Sub-bituminous	.....	5,678	.....	.....	.....	5,678
Lignite	.....	7,797	.....	1,106	92	6,783
Total	133,276	25,223	14,700	15,896	216	128,119
March—						
Anthracite	.....	.....	.....	.....	31	31
Bituminous	149,918	13,732	12,842	15,943	538	135,403
Sub-bituminous	.....	2,358	.....	.....	.....	2,358
Lignite	.....	1,514	.....	532	46	1,023
Total	149,918	17,604	12,842	16,475	615	138,820
April—						
Anthracite	.....	.....	.....	.....	.....	.....
Bituminous	136,833	10,690	9,883	9,400	284	128,524
Sub-bituminous	.....	1,600	.....	.....	.....	1,600
Lignite	.....	2,550	.....	.....	.....	2,550
Total	136,833	14,840	9,883	4,400	284	132,674
May—						
Anthracite	.....	.....	.....	.....	.....	.....
Bituminous	114,070	10,991	7,379	7,345	294	110,631
Sub-bituminous	.....	474	.....	.....	.....	474
Lignite	.....	2,232	.....	.....	38	2,270
Total	114,070	13,697	7,379	7,345	332	113,375
June—						
Anthracite	.....	.....	.....	.....	.....	.....
Bituminous	130,399	11,332	8,107	8,350	261	125,535
Sub-bituminous	.....	319	.....	.....	.....	319
Lignite	.....	814	.....	.....	.....	814
Total	130,399	12,465	8,107	8,350	261	126,668
July—						
Anthracite	.....	.....	.....	.....	.....	.....
Bituminous	126,091	13,660	6,987	4,695	333	128,402
Sub-bituminous	.....	1,594	.....	.....	.....	1,594
Lignite	.....	856	.....	.....	.....	856
Total	126,091	16,110	6,987	4,695	333	130,852
August—						
Anthracite	.....	.....	.....	.....	.....	.....
Bituminous	130,043	14,067	5,585	10,605	55	127,975
Sub-bituminous	.....	2,495	.....	.....	.....	2,495
Lignite	.....	6,108	.....	.....	46	6,154
Total	130,043	22,670	5,585	10,605	101	136,624
September—						
Anthracite	.....	.....	.....	.....	30	30
Bituminous	140,513	11,607	6,594	11,236	144	134,434
Sub-Bituminous	.....	3,280	.....	.....	.....	3,280
Lignite	.....	8,168	.....	478	.....	7,690
Total	140,513	23,055	6,594	11,714	174	145,434
October—						
Anthracite	.....	.....	.....	.....	.....	.....
Bituminous	145,307	9,160	8,084	16,368	233	130,248
Sub-bituminous	.....	6,246	.....	.....	.....	6,246
Lignite	.....	13,769	.....	753	206	13,222
	145,307	29,175	8,084	17,121	439	149,716

Table 145.—Summary Statistics for British Columbia in 1937—Output, Exports, Interprovincial Shipments, Imports and Coal made Available for Consumption, by Months and by Kinds—Concluded

(Short tons)

Month	Canadian coal				Imported from United States	Coal available for consumption
	Output	Received from other provinces	Shipped to other provinces	Exported		
November—						
Anthracite	.....	.....	.....	.....	.....	.....
Bituminous	123,123	11,307	3,043	12,033	30	119,384
Sub-bituminous	.....	7,113	.....	.....	.....	7,113
Lignite	.....	12,627	.....	882	147	11,892
Total	123,123	31,047	3,043	12,915	177	138,389
December—						
Anthracite	.....	.....	.....	.....	.....	.....
Bituminous	133,552	12,290	4,338	15,792	111	125,823
Sub-bituminous	.....	6,939	.....	.....	.....	6,939
Lignite	.....	8,230	.....	1,347	332	7,215
Total	133,552	27,459	4,338	17,139	443	139,977
Total—						
Anthracite	.....	.....	.....	.....	**61**	**61**
Bituminous	**1,598,843**	**144,429**	**101,349**	**139,540**	**2,477**	**1,504,860**
Sub-bituminous	.....	**47,066**	.....	.....	.....	**47,066**
Lignite	.....	**77,791**	.....	**6,099**	**1,217**	**72,909**
Total	**1,598,843**	**269,286**	**101,349**	**145,639**	**3,755**	**1,624,896**

Table 146.—Employees, Salaries and Wages in the Coal Mines of British Columbia, by Districts, 1936 and 1937

District	Average number of employees					Salaries and wages		
	Salaried employees		Wage-earners		Total			
	Male	Female	Surface	Underground		Salaries	Wages	Total
1936						$	$	$
Crow's Nest Pass	38	1	122	449	**610**	116,807	676,981	**793,788**
Inland	23	4	158	267	**452**	49,636	452,504	**502,140**
Island	87	9	550	1,093	**1,739**	220,447	2,043,606	**2,264,053**
British Columbia	**148**	**14**	**830**	**1,809**	**2,801**	**386,890**	**3,173,091**	**3,559,981**
1937								
Crow's Nest Pass	17	1	134	439	**591**	63,902	760,388	**824,290**
Inland	26	3	142	257	**428**	51,933	452,861	**504,794**
Island	105	9	604	1,297	**2,015**	259,093	2,355,378	**2,614,471**
British Columbia	**148**	**13**	**880**	**1,993**	**3,034**	**374,928**	**3,568,627**	**3,943,555**

Table 147.—Employment and Earnings in the Coal Mines of British Columbia, 1933-1937

—	1933	1934	1935	1936	1937
Average number of wage-earners—					
Surface	925	890	786	830	880
Underground	2,125	1,959	1,745	1,809	1,993
Total	**3,050**	**2,849**	**2,531**	**2,639**	**2,873**
Days' work done—					
Surface	210,503	211,853	197,095	224,155	239,043
Underground	406,007	407,048	411,929	461,883	502,303
Total	**616,510**	**618,901**	**609,024**	**686,038**	**741,346**
Average number of days worked per man per year—					
Surface	228	238	251	270	272
Underground	191	208	236	255	252
By all wage-earners	**202**	**217**	**241**	**260**	**258**
Total wages paid	**$ 2,886,364**	**$ 2,900,190**	**$ 2,813,429**	**$3,173,091**	**$ 3,568,627**

Table 148.—Wage-Earners Employed, and Work Done by Months in the Coal Mines of British Columbia in 1937

Month	Number of wage-earners			Days' work done		
	Surface	Underground	Total	Surface	Underground	Total
January	912	1,980	**2,892**	21,790	43,532	**65,322**
February	880	1,971	**2,851**	20,411	43,621	**64,032**
March	876	2,038	**2,914**	21,465	48,035	**69,500**
April	863	2,048	**2,911**	19,950	44,295	**64,245**
May	852	2,044	**2,896**	17,896	39,104	**57,000**
June	845	1,942	**2,787**	18,759	40,088	**58,847**
July	872	1,914	**2,786**	18,975	38,716	**57,691**
August	871	1,983	**2,854**	19,239	40,074	**59,313**
September	895	1,989	**2,884**	19,831	41,530	**61,361**
October	905	2,095	**3,000**	20,445	43,214	**63,659**
November	821	1,809	**2,630**	18,964	37,798	**56,762**
December	969	2,111	**3,080**	21,318	42,296	**63,614**
Total	.....	.....	.....	**239,043**	**502,303**	**741,346**

Table 149.—Number of Man-Days Worked in British Columbia, by Districts, 1936 and 1937

District	1936			1937		
	Surface	Underground	Total	Surface	Underground	Total
Crow's Nest Pass	26,631	98,648	**125,279**	29,147	96,147	**125,294**
Inland	44,221	61,697	**105,918**	41,838	58,752	**100,590**
Island	153,303	301,538	**454,841**	168,058	347,404	**515,462**
Total	**224,155**	**461,883**	**686,038**	**239,043**	**502,303**	**741,346**

Table 150.—Wage-Earners in the Coal Mines of British Columbia, by Classes, 1936 and 1937

Classification	1936			1937		
	Surface	Underground	Total	Surface	Underground	Total
Administration	7	.....	7	11	.....	11
Foremen and officials	32	80	112	32	83	115
Clerks	29	.....	29	31	.....	31
Screenmen and loaders	126	.....	126	139	.....	139
Hand cutters and helpers	.....	323	323	.....	411	411
Machine cutters and helpers	.....	202	202	.....	208	208
Machine loaders and helpers	.....	307	307	.....	347	347
Horse haulage employees	4	148	152	3	149	152
Mechanical haulage employees	14	249	263	12	281	293
Ventilation employees	.....	28	28	.....	27	27
Roadmakers	.....	33	33	.....	32	32
Timbermen	3	105	108	3	99	102
Pumpmen	.....	8	8	.....	5	5
Chute loaders	.....	24	24	.....	32	32
Enginemen	56	.....	56	61	.....	61
Firemen	29	.....	29	28	.....	28
Machinists	45	5	50	42	6	48
Carpenters and masons	44	.....	44	44	.....	44
Other mechanics	79	83	162	100	104	204
All other white employees	247	214	461	262	209	471
Japanese	2	.....	2	3	.....	3
Chinese	113	.....	113	109	.....	109
Indians	.....	.....	.....	.....	.....	.....
Total	**830**	**1,809**	**2,639**	**880**	**1,993**	**2,873**

Table 151.—Capital Employed in the Coal Mines of British Columbia, 1936 and 1937

—	1936	1937
	$	$
Capital employed as represented by—		
Cost of lands, buildings, machinery and tools	15,965,370	22,566,174
Cost of supplies and stock on hand	412,959	553,593
Cash, trading and operating accounts and bills receivable	2,403,334	1,929,005
Total	**18,781,663**	**25,048,772**

CHAPTER ELEVEN

YUKON

The output from the Tantalus Butte coal mine in 1937 declined to 84 tons from the preceding year's total of 510 tons. Twenty-five tons were shipped from this mine, in 1937; two tons were supplied to mine employees and two tons were used under colliery boilers. Sixty-three tons of bituminous coal were imported through the custom's ports of Dawson and White Horse.

Table 152.—Output of Coal from Yukon Mines, 1901-1937

(Short tons)

Calendar year	Short tons	Value	Calendar year	Short tons	Value	Calendar year	Short tons	Value
		$			$			$
1901	(a) 5,864	86,230	1914	13,443	53,760	*1927	414	2,052
1902	4,910	37,280	1915	9,724	38,896	*1928	414	2,915
1903	1,849	29,584	1916	3,300	13,200	*1929	458	1,848
1904	.....	.....	1917	4,872	†29,232	*1930	653	3,110
1905	7,000	21,000	1918	2,900	11,600	*1931	904	5,039
1906	7,000	28,000	*1919	.....	.....	*1932	808	3,491
1907	15,000	60,000	*1920	.....	.....	*1933	862	3,670
1908	3,847	21,158	*1921	233	2,472	*1934	638	2,217
1909	7,364	49,502	*1922	465	4,650	*1935	835	3,483
1910	16,185	110,925	*1923	313	1,485	*1936	510	2,286
1911	2,840	12,780	*1924	1,121	8,265	*1937	84	812
1912	9,245	44,958	*1925	730	7,147			
1913	19,722	95,945	*1926	316	800	**Total**	**144,823**	**799,792**

(a) Part of this production was mined in 1900.
†Value not reported, but estimated.
*For the years 1919-1937 the tonnage shown, is the total output from all mines; for previous years the figures shown include only sales, colliery consumption and coal used by operators.

Table 153.—Disposition of Coal Output from Yukon Mines, by Grades, 1936 and 1937

(Short tons)

—	1936					1937				
	Run of mine	Nut and other grades	Slack	Total		Run of mine	Nut and other grades	Slack	Total	
				Quantity	Value				Quantity	Value
					$					$
Supplied to employees for domestic consumption	.....	.....	2	2	6	.....	.....	2	2	6
Shipped (all to Yukon points)	.....	75	.....	75	750	.....	25	.....	25	250
Used under colliery boilers, etc.	.....	.....	10	10	30	.....	.....	2	2	6
Put on bank	.....	175	.....	175	1,750	.....	55	.....	55	550
Put on waste heap	.....	.....	.....	273	.....	.....	.....	.....	.....	.....
Total disposition	.....	**250**	**12**	**535**	**2,536**	.....	**80**	**4**	**84**	**812**
Lifted from bank	.....	25	.....	25	250	.....	.....	.....	.....	.....
Total output	.....	**225**	**12**	**510**	**2,286**	.....	**80**	**4**	**84**	**812**

Table 154.—Imports of Bituminous Coal into Yukon and Exports of Canadian Coal through Yukon Ports, 1933-1937

(Short tons)

—	1933	1934	1935	1936	1937
IMPORTS—					
Dawson	.....	30	20	37	35
White Horse	7	7	.....	24	28
Total	**7**	**37**	**20**	**61**	**63**
EXPORTS—					
Dawson	.....	.....	.....	1	.....
White Horse	.....	16	28	.....	.....
Total	.....	**16**	**28**	**1**	.....

Table 155.—Summary Statistics for 1937—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		
March—						
Bituminous	.....	.....	.....	.....	4	4
May—						
Bituminous	84	.....	.....	.....	6	90
June—						
Bituminous	.....	.....	.....	.....	6	6
July—						
Bituminous	.....	.....	.....	.....	45	45
August—						
Bituminous	.....	.....	.....	.....	.....	.....
September—						
Bituminous	.....	.....	.....	.....	.....	.....
October—						
Bituminous	.....	.....	.....	.....	2	2
November—						
Bituminous	.....	.....	.....	.....	.....	.....
Total—Bituminous	84	.....	.....	.....	63	147

Table 156.—Employment and Earnings in the Coal Mines of Yukon, 1933-1937

—	1933	1934	1935	1936	1937
Average number of wage-earners—					
Surface	2	1	1	1	.....
Underground	2	2	2	2	2
Total	4	3	3	3	2
Days' work done—					
Surface	98	71	50	44	.....
Underground	104	142	100	88	20
Total	202	213	150	132	20
Average number of days worked per man per year—					
Surface	49	71	50	44	.....
Underground	52	71	50	44	10
By all wage-earners	51	71	50	44	10
Total wages paid	$ 2,500	$ 1,500	$ 1,050	$ 1,439	$ 160

Table 157.—Wage-Earners Employed and Work Done by Months in Yukon Coal Mines in 1937

Month	Number of employees			Days' work done		
	Surface	Underground	**Total**	Surface	Underground	**Total**
May	.....	2	2	.....	20	20
Total	.....	2	2	.....	20	20

Table 158.—Capital Employed in the Coal Mines of Yukon, 1936 and 1937

—	1936	1937
	$	$
Capital employed as represented by—		
Cost of lands, buildings, machinery and tools	203,000	203,000
Cost of supplies and stock on hand	1,750	250
Cash, trading and operating accounts and bills receivable	.....	.....
Total	204,750	203,250

CHAPTER TWELVE

WORLD PRODUCTION OF COAL

The estimated coal output of the world in 1937 was 1,510,000,000 long tons compared with the 1936 production of 1,420,000,000 long tons.

Great Britain's output of bituminous coal rose 5·5 per cent in 1937 to 234,074,863 long tons; anthracite production, however, declined 2·9 per cent to 6,335,776 tons. The United States produced 441,349,583 long tons or 0·1 per cent above the 1936 total. An increase of 15·6 per cent was recorded in Germany's production; the 1937 output was 363,704,565 long tons and the preceding year's, 314,630,554 long tons. Russia's output amounted to 120,643,000 long tons as against 124,010,000 long tons, in 1936. A decline of 1·8 per cent was shown in the coal production of France; the year's output was 44,617,663 long tons compared with 45,417,791 long tons in 1936. Czechoslovakia's production was 24·2 per cent higher at 34,440,211 long tons. The Canadian output in 1937 totalled 14,139,244 long tons or 4 per cent above the previous year's total.

Table 159.—World Production of Coal* 1933-1937

(Including brown coal)

(Long tons)

Country	1933	1934	1935	1936	1937
British Empire					
Great Britain—					
Anthracite	7,053,043	7,126,733	6,798,415	6,525,225	6,335,776
Bituminous	200,059,200	213,600,955	215,453,637	221,928,387	234,074,863
Eire—					
Anthracite	86,246	89,731	85,738	95,214	104,966
Semi-bituminous	19,041	21,343	26,985	29,509	20,958
Nigeria	235,133	259,754	257,819	291,651	363,181
Southern Rhodesia	476,340	632,790	683,654	693,947	1,013,086
Union of South Africa	10,545,197	12,002,100	13,359,509	14,607,313	15,246,129
Canada—					
Bituminous	7,124,360	8,981,055	8,704,322	9,639,406	10,387,838
Sub-bituminous	494,748	479,918	505,737	505,567	452,018
Lignite	3,008,878	2,869,556	3,189,946	3,452,511	3,299,388
British Borneo—					
Brunei	†	†	838	184	444
State of North Borneo	78	28	.....	.....	.....
Federated Malay States	218,247	321,461	377,441	502,823	627,890
India—					
Gondwana Coalfields	19,456,254	21,691,404	22,607,552	22,212,457	24,571,343
Tertiary Coalfields	332,909	366,043	409,143	398,364	465,043
Used by mines	495,000	551,000	575,000	565,000	†
Australia—					
Bituminous	9,091,976	9,800,672	10,887,954	11,370,409	12,074,274
Lignite	2,580,060	2,617,534	2,221,515	3,044,897	1,502,573
New Zealand—					
Bituminous	843,845	831,702	825,227	858,857	969,984
Brown coal	860,238	1,103,968	1,170,805	1,150,071	1,186,320
Lignite	117,175	124,645	119,152	131,289	121,495
Total British Empire	263,000,000	283,000,000	288,000,000	298,000,000	313,000,000
Foreign Countries					
Albania—					
Lignite	.....	.....	2,000	3,000	4,000
Austria—					
Bituminous	235,150	246,861	256,484	240,480	226,584
Brown coal	2,966,862	2,805,905	2,923,765	2,851,446	3,190,571
Belgium—					
Anthracite and semi-anthracite	5,246,607	5,731,792	5,158,236	5,981,898	29,212,860
Bituminous	19,653,598	20,240,618	20,929,493	21,445,070	
Bulgaria—					
Anthracite	3,465	6,812	2,188	2,286	2,502
Bituminous	75,184	70,731	89,318	98,379	116,021
Lignite	1,469,896	1,543,192	1,541,239	1,551,206	1,704,763
Czechoslovakia—					
Bituminous	10,365,655	10,518,684	10,722,420	12,039,975	16,683,453
Brown coal	14,825,194	14,932,486	14,874,878	15,696,878	17,756,758
France—					
Saar	10,394,373	11,138,953	(d) 1,673,228	.....	.....
Other districts—					
Anthracite and bituminous (a)	46,146,465	46,879,876	45,482,687	44,512,354	43,618,141
Lignite	1,076,417	1,009,284	892,409	905,437	999,522
Germany—(e)					
Bituminous	107,959,643	122,884,578	140,744,275	155,782,899	181,598,670
Brown coal	124,791,923	135,105,863	144,748,744	158,847,655	182,105,895
Greece—					
Lignite	97,496	102,547	91,163	103,953	†
Hungary—					
Bituminous	787,418	744,316	809,825	813,783	903,000
Brown coal	5,393,595	5,661,394	6,146,993	6,501,139	7,928,000
Lignite	420,348	420,101	464,588	491,652	
Lignite (dehydrated)	115,310	113,526	118,992	122,277	†

Table 159.—World Production of Coal* 1933-1937—Concluded

(Including brown coal)

(Long tons)

Country	1933	1934	1935	1936	1937
Italy—					
Anthracite	66,644	83,212	69,042	78,709	93,559
Bituminous	262,439	284,481	366,477	714,696	855,654
Brown coal	376,712	402,162	536,867	756,425	1,042,502
Jugoslavia—					
Bituminous	377,432	381,099	393,624	434,384	432,405
Brown coal	2,806,202	2,944,406	3,034,480	3,017,941	3,475,749
Lignite	905,274	921,391	936,659	952,916	1,046,889
Netherlands—					
Bituminous	12,375,372	12,145,975	11,690,250	12,600,340	14,095,085
Brown coal	95,511	91,032	84,843	87,377	140,798
Poland—					
Bituminous	26,924,235	28,771,390	28,091,945	29,278,040	35,646,160
Brown coal	32,963	25,986	18,170	13,305	18,616
Portugal—					
Anthracite	205,399	195,906	202,139	204,450	228,260
Bituminous	19,426	3,652	5,390	8,165	17,168
Brown coal	11,291	14,835	19,476	20,395	22,439
Roumania—					
Anthracite	17,777	17,726	16,935	3,649	3,587
Bituminous	173,986	207,004	256,962	284,299	294,896
Brown coal	.....	.....	1,478,848	1,434,775	1,616,171
Lignite	1,292,878	1,598,211	161,589	210,645	232,870
Russia—					
Anthracite			25,147,000	27,703,000	
Bituminous	74,730,000	92,456,000	68,589,000	78,974,000	120,643,000
Lignite			13,602,000	17,333,000	
Spain—					
Anthracite	563,399	634,440	690,000	†	†
Bituminous	5,340,855	5,203,891	6,214,994	†	†
Brown coal	296,260	293,926	299,028	†	†
Spitzbergen and Bear Island	419,367	524,393	697,607	771,471	770,000
Sweden	343,410	408,668	416,813	448,647	453,193
Switzerland (b)	4,000	3,000	4,000	3,000	4,000
Algeria	29,948	33,465	37,316	6,791	13,374
Belgian Congo	413	4,622	11,136	13,682	35,917
Morocco (French)					
Anthracite	27,275	35,484	51,864	49,621	105,458
Mozambique	15,600	21,524	15,250	8,161	†
Greenland	6,000	6,000	6,000	4,000	†
Mexico	636,622	769,803	1,124,847	1,276,000	†
United States—					
Anthracite	44,233,343	51,043,117	46,570,342	48,731,728	46,300,387
Bituminous and lignite	297,884,404	320,864,305	332,476,002	392,042,770	395,049,196
Brazil	624,442	697,071	744,998	651,738	750,742
Chile	1,513,770	1,778,979	1,869,929	1,845,194	1,969,384
Colombia (estimated)	200,000	200,000	200,000	277,534	325,000
Peru—					
Anthracite	2,639	3,543	2,422	3,479	†
Bituminous	26,961	31,220	81,279	88,246	†
Venezuela (c)	4,862	6,000	5,000	7,000	11,737
China	18,505,000	20,568,000	12,000,000	12,000,000	†
Dutch East Indies	1,018,881	1,016,610	1,093,407	1,129,078	1,341,971
Formosa	1,333,701	1,355,000	1,572,000	1,570,000	1,716,000
French Indo-China—					
Anthracite	1,517,861	1,530,025	1,714,400	2,116,108	2,229,000
Bituminous	25,508	36,620	33,300	34,876	42,000
Brown coal	22,644				
Japan—					
Semi-anthracite and bituminous	32,010,079	35,357,604	37,166,085	37,466,000	†
Brown coal	113,958	122,815	106,812	†	†
Karafuto	874,874	1,177,748	1,491,709	†	†
Korea—					
Anthracite	729,511	966,855	1,062,283	1,035,240	†
Lignite	556,585	695,122	905,296	1,210,712	†
"Manchoukuo"	9,425,426	11,640,768	14,000,000	15,000,000	†
Philippine Islands	15,668	†	†	5,331	4,580
Turkey in Asia—					
Bituminous	1,822,856	2,252,129	2,303,526	2,262,345	2,270,435
Lignite	29,094	51,943	72,196	94,306	113,252
Total Foreign countries	890,000,000	980,000,000	1,020,000,000	1,120,000,000	1,200,000,000
Grand Total	**1,150,000,000**	**1,260,000,000**	**1,310,000,000**	**1,420,000,000**	**1,510,000,000**

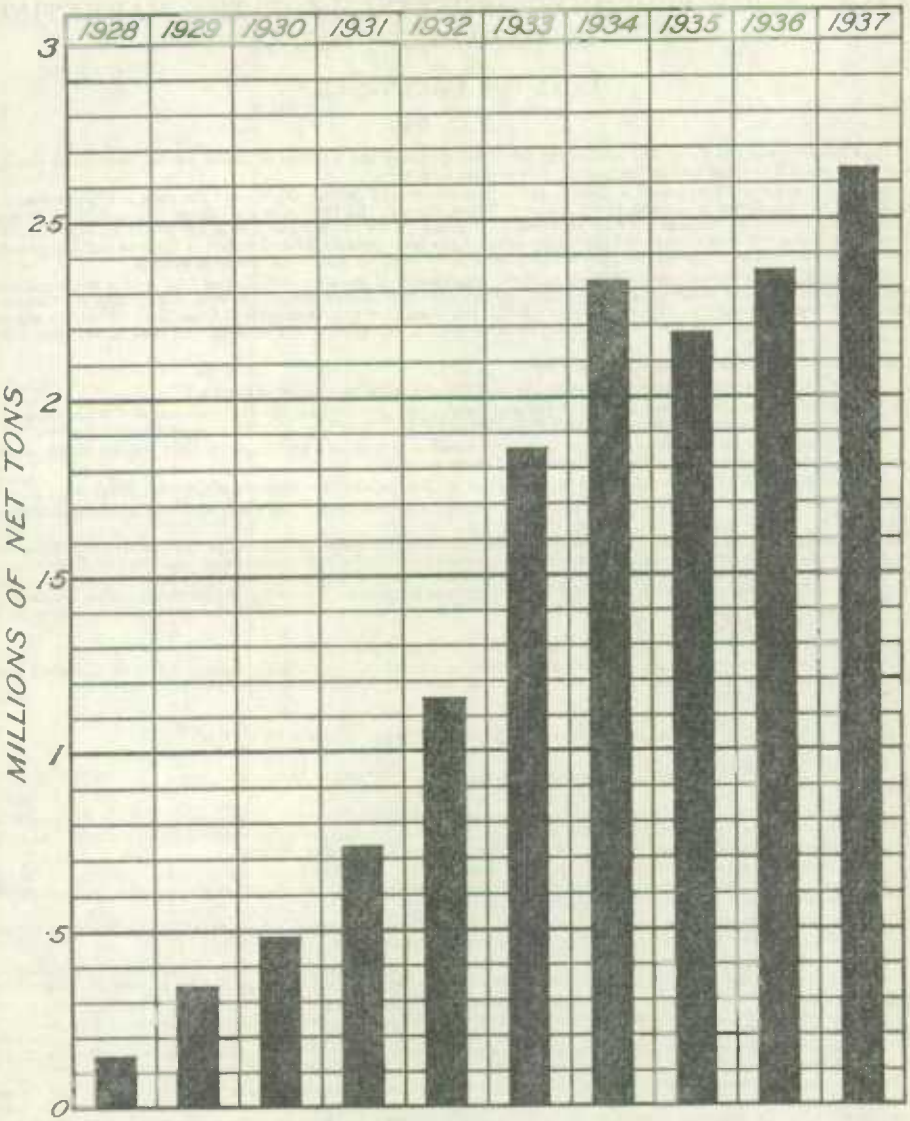
*Data for 1933-1937 obtained from *The Mineral Industry of the British Empire and Foreign Countries.*
† Information not available.
(a) Includes about 6,000,000 tons of anthracite each year.
(b) United States Bureau of Mines estimate.
(c) Excluding production in government owned mines
(d) January to February 17th, only, after which date production is included with that of Germany.
(e) Including production of Saar from February 18, 1935.

DOMINION FUEL BOARD

CANADIAN COAL MOVED UNDER ASSISTED RATES

1928-1937

CALENDAR YEARS



THOUSANDS OF NET TONS

From:-	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937
N.S.	114	304	372	402	710	1,384	1,748	1,588	1,677	1,909
N.B.	—	—	—	—	1	1	10	14	21	41
ALTA.	32	37	89	204	238	260	323	339	364	324
SASK.	Nil	Nil	20	60	100	131	144	139	147	164
B.C.	Nil	Nil	Nil	66	99	80	98	102	143	200
Total	146	342	480	733	1,149	1,856	2,324	2,182	2,352	2,637

ALTA. INCLUDES CROWS NEST DISTRICT OF B.C.

APPENDIX ONE

LEGISLATION PROVIDING ASSISTANCE FOR THE MARKETING OF CANADIAN COAL

Coal for Coke or Gas

P.C. 944

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

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

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

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

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

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

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

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

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

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

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

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

Maritime Coal to Quebec and Ontario

P.C. 1862 *(Superseded by P.C. 2789—Nov. 8, 1938)*

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

P.C. 2789

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

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

The Committee, therefore, on the recommendation of the Minister of Mines and Resources, advise that the said Order in Council, P.C. 1862 of August 4th, 1936, be hereby rescinded and that:—

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

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

(3) With respect to coal mined in the Province of Nova Scotia and transported *wholly by rail* to points in the *Province of Ontario* and to the City of Hull in the Province of Quebec for use by consumers other than the railways, the assistance granted shall be by the reduction of one-seventh of one cent per ton per mile from the existing rail rates; provided that the amount of said reduction shall in no instance exceed two dollars ($2.00) per net ton, the amount of the said reduction being payable to the Railways.

(4) With respect to coal mined in the Province of Nova Scotia and carried by *water transportation* to St. Lawrence ports and thence transhipped by the railways to points in the *Province of Ontario* and to the City of Hull in the Province of Quebec for use by consumers other than the railways, the assistance granted for such transhipments shall be by the reduction of 4·5 mills per ton per mile from the existing rail rates from the port of Montreal; provided that the amount of the said reduction shall in no instance exceed two dollars ($2.00) per net ton, the amount of the said reduction being payable to the Railways.

(5) With respect to coal mined in the Province of Nova Scotia and carried by *water transportation* to any point situated West of the Island of Montreal, the assistance granted shall be the same amount as that provided for rail movements as authorized in the preceding section (4) hereof; provided the amount of the said assistance shall in no instance exceed two dollars ($2.00) per net ton, same being paid to the coal mine operators or distributors of the said coal.

(6) With respect to coal mined in the Province of Nova Scotia and carried by *water transportation* to any points situated West of the Island of Montreal under the assistance provided by Section (5) hereof, and thence transhipped by the railways to points in the Province of Ontario situated West of the City of Kingston for use by consumers other than the railways, the assistance granted shall be by the reduction of 4·5 mills per ton per mile from the existing rail rates; provided that the amount of the said reduction shall in no instance exceed one dollar ($1.00) per net ton and shall be payable to the Railways.

(7) With respect to coal mined in the Province of Nova Scotia and purchased by Railway companies for their own use at points in the Provinces of Quebec and Ontario, payments may be made to the coal mine operators or coal distributors of the difference in amount per net ton between the laid down cost to the Railways of coal mined in the Province of Nova Scotia and the laid down cost at the same points of imported coal that would otherwise be used, up to a maximum of two dollars and fifty cents ($2.50) per net ton; provided that:

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

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

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

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

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

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

(13) With respect to acceptances issued by the Dominion Fuel Board under authority of Order in Council P.C. 1862 of August 4, 1936, which are still in effect, shipments shall be continued under the authority of these acceptances for a period of thirty days from the date of this Order in Council.

New Brunswick Coal to Quebec and Ontario

P.C. 1861

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

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

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

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

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

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

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

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

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

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

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

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

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

(10) With respect to acceptances issued by the Dominion Fuel Board under authority of Order in Council P.C. 951 of May 30, 1933, which are still in effect, shipments shall be continued under the authority of these acceptances for a period of sixty days from the date of this Order in Council.

Saskatchewan Coal to Manitoba and Western Ontario

P.C. 895

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

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

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

(2) With respect to coal mined in the Province of Saskatchewan and shipped to points in the Province of Manitoba for use by consumers other than the railways, the assistance granted shall be by a reduction of ten percent (10%) of the freight rate in effect at the time of shipment, the amount of the said reduction being payable to the railways.

(3) The assistance shall apply only to movements of coal to points where the Canadian coal to be used is at a disadvantage in competing with foreign coal. The area in Manitoba in which Canadian coal is at a disadvantage shall be determined by the Dominion Fuel Board.

(4) The assistance shall not apply to coal when used for household purposes.

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

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

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

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

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

(10) With respect to acceptances issued by the Dominion Fuel Board under authority of Order in Council P.C. 869 of April 5, 1935, which are still in effect, shipments shall be continued under authority of these acceptances for a period of sixty days from the date of this Order in Council.

Alberta Coal to Ontario

P.C. 740

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

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

(1) That movements of coal mined in the Province of Alberta and shipped to certain points in the Province of Ontario be assisted by payments out of such sums as may be provided by Parliament from year to year for that purpose.

(2) That with respect to such movements of coal referred to in the above Section (1) the assistance granted shall be by the reduction of $2.50 per net ton from the existing rail rates when same amount to $8.00 per net ton or in excess thereof, the amount of said reduction being payable to the railways.

(3) That the assistance shall apply only on shipments of coal from coal mines or coal properties which were in operation and shipping prior to December 31, 1930.

(4) That the assistance shall not apply on shipments of less than carload lots. .

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

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

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

P.C. 3386—*(January 4, 1939)*

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

(1) "That movements of coal mined in the Province of Alberta and shipped to certain points in the Province of Ontario be assisted by payments out of such sums as may be provided by Parliament from year to year for that purpose," be hereby rescinded and the following substituted in lieu thereof:—

(1) "That movements of coal mined in the Province of Alberta and in the Crow's Nets Pass district of British Columbia and shipped to certain points in the Province of Ontario be assisted by payments out of such sums as may be provided by Parliament from year to year for that purpose".

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

P.C. 894

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

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

(1) Movements of coal mined in the Province of Alberta and in the Crowsnest Pass District of British Columbia and shipped to points in the Province of Manitoba and to points in the Province of Ontario be assisted by payments out of such sums as may be provided by Parliament from year to year for that purpose.

(2) With respect to coal mined in the Province of Alberta, and in the Crowsnest Pass District of British Columbia, and shipped to points in the Province of Manitoba and to points in the Province of Ontario for use by consumers other than the railways which have connections with the coal fields, the assistance granted shall be as follows:—

(a) To points in the Province of Manitoba the assistance granted shall be by a reduction of ten percent (10%) of the freight rate in effect at the time of shipment, the amount of the said reduction being payable to the railways.

(b) To points in the Province of Ontario the assistance granted shall be by a reduction of thirty percent (30%) of the freight rate in effect at the time of shipment: provided that the amount of the said reduction shall in no instance exceed two dollars per net ton, the amount of the said reduction being payable to the railways.

(3) With respect to coal mined in the Province of Alberta and in the Crowsnest Pass District in the Province of British Columbia and purchased by railway companies for their own use at points in the Provinces of Manitoba and Ontario, east of and including Carrick, Decimal and Eagle River, the assistance granted shall be by a reduction of thirty percent (30%) of the tariff freight rate in effect at the time of shipment; provided that the amount of the said reduction shall in no instance exceed two dollars per net ton, the amount of the said reduction being payable to the railways.

(4) The assistance shall apply only to movements of coal where the Canadian coal to be used is at a disadvantage in competing with foreign coal. The area in Manitoba in which Canadian coal is at a disadvantage shall be determined by the Dominion Fuel Board.

(5) The assistance shall not apply to coal when used for household purposes.

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

(7) The assistance shall not apply to shipments of less than carload lots.

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

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

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

(11) With respect to acceptances issued by the Dominion Fuel Board under authority of Order in Council P.C. 1121 of 28th May, 1934, which are still in effect, shipments shall be continued under authority of these acceptances for a period of sixty days from the date of this Order in Council.

British Columbia Coal for Bunker and Export

P.C. 1122

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

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

(1) With respect to coal mined in the Province of British Columbia and sold for fuel for ships' stores or for export to foreign countries, assistance shall be granted out of such sums as may be provided by Parliament from year to year for that purpose.

(2) That with respect to coal mined in the Province of British Columbia and sold for fuel as ships' stores, the assistance granted shall be the sum of fifty cents per net ton on a tonnage up to and including 60,000 net tons in any one year; any tonnage above the said 60,000 sold for fuel as ships' stores in the same year shall be granted assistance at the rate of one dollar per net ton, the assistance being payable to the coal mine operators or distributors.

(3) That with respect to coal mined in the Province of British Columbia and sold for export to foreign countries, as hereinafter excepted, the assistance granted shall be the sum of one dollar per net ton, payable to the coal mine operators or distributors under the conditions set forth as follows:

(a) That the assistance shall apply to coal for fuelling ocean going vessels but not for fuelling vessels navigating entirely in inland waters.

(b) That the assistance shall apply to coal exported to foreign countries but not to coal exported for consumption in the United States of America.

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

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

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

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