

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

COAL STATISTICS FOR CANADA

FOR THE CALENDAR YEAR

1924

Published by Authority of the Hon. Thos. A. Low, M.P.,
Minister of Trade and Commerce



OTTAWA
F. A. ACLAND
PRINTER TO THE KING'S MOST EXCELLENT MAJESTY
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LIST OF PUBLICATIONS

PREPARED IN THE

MINING, METALLURGICAL AND CHEMICAL BRANCH DOMINION BUREAU OF STATISTICS

(1) Mineral Production (Mining and Metallurgy).

General Reports—

Annual Report of the Mineral Production of Canada.

Preliminary Reports (Semi-annual) of the Mineral Production of Canada.

Coal—

Annual Report of Coal Statistics for Canada.

Monthly Report of Coal and Coke Statistics for Canada.

In addition to the foregoing reports on mineral production a series of annual bulletins is in preparation, each of which will contain statistics relative to a particular metal or non-metallic mineral or to a special section of the mineral industry, and the series when complete will cover every phase of mineral production in Canada.

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Monthly—

Production of Iron and Steel in Canada.

Coke Statistics for Canada.

In addition to the foregoing printed summary reports, a series of bulletins is being prepared each of which deals with a particular phase of manufacturing.

(3) Special Reports.

Report on the Consumption of Prepared Non-Metallic Minerals in Canada.
Report on the Consumption of Mine and Mill Materials in Canada.

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PREFACE

There are few changes in the format of the present report on coal statistics for Canada from that of similar reports for each of the five preceding years. Comprehensive data have been compiled on all the important phases of production of Canadian coal and of the distribution in Canada both of domestic and foreign supplies. Statistics are also included bearing on capital invested, employment, and in a general way on mine equipment.

Monthly statistics on the production in Canada, imports and exports of coal have been issued by the Bureau since January, 1922, and serve to keep the public continuously informed regarding the salient features of the coal situation.

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

The preparation of the report has been carried out under the direction of Mr. S. J. Cook, B.A., A.I.C., F.C.I.C., Chief of the Mining, Metallurgical and Chemical Branch of the Bureau.

R. H. COATS,
Dominion Statistician.

DOMINION BUREAU OF STATISTICS,
OTTAWA, September 21, 1925.

STATISTICS ON COAL 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 MINES STATISTICS

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

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

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

(2) IMPORTS AND EXPORTS

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

(3) PUBLICATIONS OF THE BUREAU ON COAL

The Bureau issues the following reports: (1) A monthly review of coal production by districts, and of imports and exports by ports, with comparative figures for the corresponding periods of previous years. Since January, 1925, data on the production, imports and exports of coke have also been included as a separate section of this monthly report; (2) a preliminary annual report on production, imports and exports; (3) an annual report on production, imports, distribution, labour, capital, etc., etc.

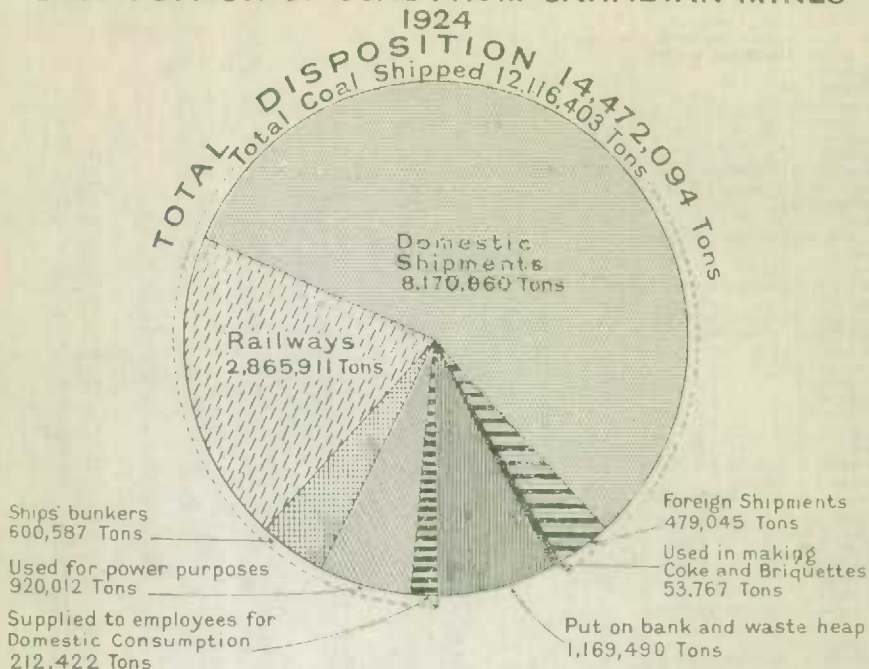
It may be added that the Bureau handled the statistical work of the Fuel Controller in 1917-18 and later, when more elaborate records were maintained, including, (a) a detailed record of dealers' costs and margins, (b) a record of the purchases of individual consumers who do not buy from dealers, but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

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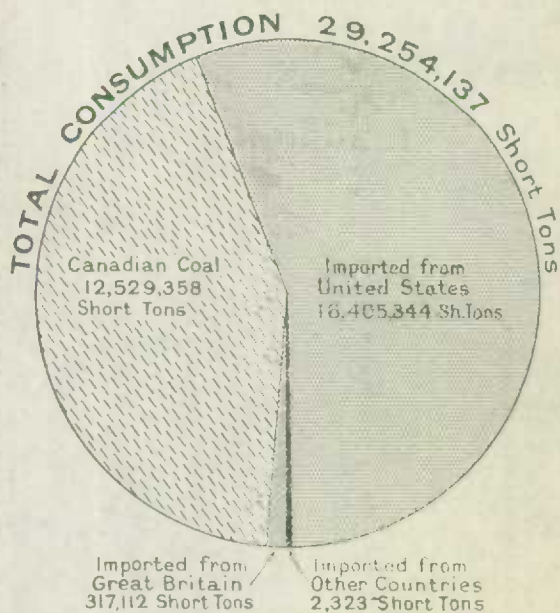
DISPOSITION OF COAL FROM CANADIAN MINES

1924



CONSUMPTION OF COAL IN CANADA

1924



Drawn by N. R. I. S.
INTERIOR

DOMINION BUREAU OF STATISTICS

R. H. COATS, B.A., F.S.S., (Hon.) F.R.S.C., Dominion Statistician

S. J. COOK, B.A., A.I.C., F.C.I.C., Chief of the Mining, Metallurgical and Chemical Branch

COAL STATISTICS FOR CANADA

FOR THE CALENDAR YEAR 1924

CHAPTER ONE

CANADA

General Review.—Production of coal from Canadian mines in 1924 dropped off 3.32 million tons from that in 1923, the total for the year being 13,638,197 short tons. In spite of a loss of 1,040,397 tons as compared with the tonnage for 1923, Nova Scotia with an output of 5,557,441 tons recovered the premier position among the coal-producing provinces, while Alberta, which in 1923 produced 6,854,397 tons of coal, reported an output of 5,189,729 tons in 1924. British Columbia, third among the coal producers in point of output tonnage but among the leaders in the export of coal, more nearly maintained its position, producing 2,193,667 tons in 1924 as compared with 2,823,306 tons in 1923.

By classes the output of coal included 9,483,732 tons of bituminous coal, 590,168 tons of sub-bituminous coal and 3,564,297 tons of lignite.

Employment in the coal-mining industry continued uncertain. During the months from April to September the number of men employed dropped to a low level. Labour troubles in District 18, in which some of the principal coal mines of Alberta and British Columbia are located, greatly reduced the output from these mines. The bargain driven by the men in Nova Scotia proved less advantageous than was expected, and broken time offset the gains due to higher rates of pay. Seven coal mine strikes in the East occurred during the year. In these 12,691 men were involved with a total loss of time amounting to 318,993 working days. In Western Canada there were eight disputes, and while only 8,523 men were affected the total loss of time amounted to 1,236,112 working days. In all there were 15 strikes in which 21,214 men participated, losing in the aggregate 1,555,105 working days. In the preceding year while there were 25 disputes, only 20,986 men were affected and the total loss in working time amounted to only 308,430 days. In 1922 the trend in employment in coal mining was much the same as in 1924, the loss of time due to strikes in that year amounting to 1,222,288 days.

In western Canada, labour disagreements in Alberta and southeastern British Columbia largely accounted for the loss in production in this area. Unable to accept orders on which they could guarantee delivery, the companies continued to lose their cultivated markets; consumers purchased supplies from available sources, and to meet the demand imported coal was carried into the Middle West. On the conclusion of the strike, the men returned to the mines but in a short time sufficient coal was produced to supply the diminished markets and the mines were closed. Later, a more favourable agreement was negotiated and the companies, with this advantage of lower costs, set about recovering the markets lost during the spring and summer months.

To assist the industry the Dominion Government made provision for the payment of a subvention of \$150,000 in order that domestic coal, particularly from the Maritime Provinces, might be marketed in central Canada. Depression in the iron and steel industry, the principal mainstay of eastern Canadian coal mines, was also a check to production.

Yet in spite of the fact that production of coal in Canada was so much lower in 1924 than in 1923, imports of foreign coal also showed a very considerable decrease. Domestic supplies of anthracite, it is true, were only slightly less in volume than before but the tonnage of bituminous coal imported showed a loss of five million tons. Industrial depression reduced the apparent consumption of coal in Canada by 6.80 million tons below the amount used in 1923. The term "apparent" is used advisedly as during 1923 stocks were built up and the tonnage of coal made

available for consumption was probably considerably in excess of the quantity actually used. Consumption of coal is ordinarily estimated as the sum of production and imports, less exports. Imports of anthracite coal from the United Kingdom continued on the same scale as in 1923, but bituminous coal from this source fell off to about one-sixth of the amount brought in during the preceding year.

Exports of Canadian coal in 1924 following the declining trend in production totalled only 773,246 short tons or less than one-half the tonnage cleared for export in 1923. The loss was fairly evenly divided between the mines in eastern Canada and those in the western provinces. During the year exports of coal from the Maritime Provinces amounted to 381,331 tons as compared with 796,015 tons exported from this area in 1923. Alberta and British Columbia together marketed 391,915 tons of coal in foreign lands; in 1923 exports amounted to 858,391 tons. Canadian coal was used in the United States, Newfoundland, Netherlands and the United Kingdom in appreciable quantities; coal was also sold to forty odd other countries but in comparatively small amounts.

During the year Canada produced 13.63 million tons of coal, exported 0.77 million tons, imported 16.82 million tons and thus had available for consumption 29.68 million tons. Comparative data for 1923 showed an output of 16.99 million tons, imports amounting to 22.68 million tons, and exports of 1.65 million tons, so that coal made available for consumption totalled 38.02 million tons, but as noted above the large amount of coal made available for use in that year was due to the necessity of building up stocks which had been depleted in the preceding year. About one-quarter of the total Canadian consumption is used by the railways.

Output.—Valued at \$53,593,988, the output of coal from Canadian mines in 1924 marked a loss of 18.46 million dollars or 25 per cent from the total of \$72,058,986 for 1923. This was the lowest aggregate value reported for the output of coal mines in Canada since 1917. At 13,638,197 tons the output for the year marked a drop of 3.35 million tons to a lower level than in any other year since 1915. Price of coal at the mine during 1924 declined to \$3.93 per short ton as compared with \$4.24 in the preceding year and higher figures for each other year back to 1918 when the average return to the producer was \$3.68. Production in January, 1924, amounted to 1,537,224 tons; following a drop in February the output advanced in March to a total of 1,610,375 tons, the highest point for the year, then due to the strike in Alberta the output during the summer months rose to about 700,000 tons per month produced mostly from Nova Scotia and British Columbia mines. In September and October the output increased and in November reached a total of 1,571,410 tons. The December output was only slightly less.

Table 1.—Output of Coal from Canadian Mines, 1785-1924

Year	Short tons	Value	Average per ton	Year	Short tons	Value	Average per ton
1785-1880.....	16,426,253	\$28,190,518	\$ 1.72	1903.....	7,960,361	\$15,942,833	\$ 2.00
1881.....	1,537,106	2,688,621	1.75	1904.....	8,251,595	16,592,331	2.01
1882.....	1,848,148	3,248,446	1.76	1905.....	8,667,948	17,520,263	2.02
1883.....	1,818,681	3,199,635	1.71	1906.....	9,762,601	19,732,019	2.02
1884.....	1,984,959	3,593,831	1.81	1907.....	10,511,426	24,381,812	2.32
1885.....	1,920,977	3,417,807	1.78	1908.....	10,886,311	25,194,573	2.31
1886.....	2,116,653	3,739,840	1.77	1909.....	10,501,475	24,781,236	2.36
1887.....	2,429,330	4,388,206	1.81	1910.....	12,909,152	30,909,779	2.39
1888.....	2,602,552	4,674,140	1.80	1911.....	11,323,388	26,467,646	2.34
1889.....	2,658,302	4,894,287	1.84	1912.....	14,512,829	36,019,044	2.48
1890.....	3,084,682	5,676,247	1.81	1913.....	15,012,478	37,334,940	2.49
1891.....	3,577,749	7,019,425	1.96	1914.....	13,637,529	33,471,801	2.45
1892.....	3,287,745	6,363,757	1.94	1915.....	13,267,023	32,111,182	2.42
1893.....	3,783,499	7,359,080	1.95	1916.....	14,483,395	38,817,481	2.68
1894.....	3,847,070	7,429,468	1.93	1917.....	14,016,759	43,199,831	3.08
1895.....	3,478,344	6,739,153	1.94	1918.....	14,977,926	55,192,896	3.68
1896.....	3,745,716	7,226,462	1.93	1919*	13,919,096	55,622,670	3.99
1897.....	3,786,107	7,303,597	1.93	1920*	16,916,764	82,496,538	4.86
1898.....	4,173,108	8,224,288	1.97	1921*	15,057,493	72,451,656	4.81
1899.....	4,925,051	10,283,491	2.09	1922*	15,157,431	65,518,497	4.32
1900.....	5,777,319	13,742,178	2.38	1923*	16,990,571	72,058,986	4.24
1901.....	6,486,325	12,699,243	1.96	1924*	13,638,197	53,593,988	3.93
1902.....	7,460,681	15,210,877	2.04				
Total					375,186,812	1,056,634,535	

*For the years 1919-1924 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 and Value of Coal in Canada by Kinds and by Provinces, 1922-1924

(Short tons)

Province	1922			1923			1924		
	Number of Mines	Quantity	Value	Number of Mines	Quantity	Value	Number of Mines	Quantity	Value
			\$			\$			\$
NOVA SCOTIA (Bituminous).....	57	5,569,072	24,629,921	56	6,597,838	28,170,458	50	5,557,441	22,280,554
NEW BRUNSWICK (Bituminous).....	19	287,513	1,107,643	17	276,617	1,196,772	16	217,121	932,185
SASKATCHEWAN (Lignite).....	59	382,437	802,053	61	438,100	858,448	64	479,118	886,668
ALBERTA—									
Anthracite.....		40,417	122,538		107	322			
Bituminous.....		2,846,405	12,083,976		3,243,803	15,206,435		1,514,382	6,839,892
Sub-bituminous*.....					466,492	1,399,424		590,168	1,761,086
Lignite.....		3,101,089	11,245,399		3,143,995	11,322,122		3,085,179	10,283,340
Total.....	357	5,990,911	24,351,913	356	6,854,397	28,018,303	351	5,189,729	18,884,318
BRITISH COLUMBIA (Bituminous).....	16	2,927,033	14,622,317	16	2,823,306	13,813,520	† 38	2,193,667	10,601,998
YUKON (Bituminous).....	1	465	4,650	1	313	1,485	1	1,121	8,265
CANADA—									
Anthracite.....		40,417	122,538		107	322			
Bituminous.....		11,630,488	53,348,507		12,941,877	58,478,670		9,483,732	40,662,894
Sub-bituminous*.....					466,492	1,399,420		590,168	1,761,086
Lignite.....		3,486,526	12,047,452		3,582,095	12,180,570		3,564,297	11,170,098
Total.....	509	15,157,431	65,518,497	507	16,990,571	72,058,956	520	13,638,197	53,593,988

*Not reported separately in 1922.

†Every operating mine was counted as a unit in 1924; in earlier records several mines operated by same company were sometimes grouped and counted as one.

Table 3.—Output of Coal from Canadian Mines by Months, 1920-1924

(Short tons)

Month	1920	1921	1922	1923	1924
January.....	1,606,238	1,372,734	1,231,855	1,831,058	1,537,224
February.....	1,308,221	1,214,839	1,287,254	1,640,202	1,235,458
March.....	1,309,375	1,142,581	1,446,566	1,468,295	1,610,375
April.....	1,189,856	932,747	672,694	1,301,896	1,008,752
May.....	1,179,074	992,901	731,814	1,262,617	726,369
June.....	1,551,768	1,106,932	832,085	1,318,442	729,487
July.....	1,326,360	1,170,067	935,363	905,671	738,021
August.....	1,372,601	1,519,025	851,222	1,595,051	708,694
September.....	1,449,205	1,321,214	1,635,736	1,239,871	916,213
October.....	1,414,227	1,407,944	1,934,616	1,536,317	1,333,673
November.....	1,748,199	1,522,027	1,856,893	1,515,499	1,571,410
December.....	1,700,789	1,354,482	1,738,313	1,285,661	1,522,518
Total.....	16,946,764	15,057,493	15,157,431	16,999,571	13,638,197

Tonnage Lost.—Tonnage lost through absenteeism, lack of orders, car shortage, mine disability, and other causes, has been shown in tabular form for all the coal mines of Canada and in each chapter a table has been included showing the percentage of the possible output produced, by districts, with analyses of the tonnage lost through each cause.

It will be readily understood that in any statement of tonnage lost by operating mines the method of computing the data must be more or less arbitrary. A plan has been worked out by the Bureau which is now being applied in every coal-producing province, and the following outline of the procedure is given in order that the reader may clearly understand how the data in the "Tonnage Lost" tables are obtained.

For each month the actual output and the actual number of days' work done by all employees on the colliery pay-rolls are determined and from these two figures the output per man-day is deduced. The number of individual shifts lost by the men whose names are on the colliery payroll for the month is recorded, and the total number of shifts so lost is multiplied by the actual tonnage produced per man-day during the month. This lost tonnage plus the actual output of the mine during the month is regarded as the possible output and the percentages given in the tables showing the proportions produced and lost are computed from these figures. The tonnage lost is then analysed according to the cause of loss and the percentage figures are included in the tables.

It is to be noted that this record takes account only of losses incurred during operating periods; no record of tonnage lost is computed in the case of a mine closed down because of a general strike of its employees.

Computed on the foregoing basis the output in 1924 amounted to 67 per cent of the possible production; the losses or 33 per cent were due to the following causes: lack of orders, 17.9 per cent; unspecified causes, 11.3 per cent; absenteeism, 2.4 per cent; mine disability, 0.8 per cent and car shortage, 0.6 per cent. In the preceding calendar year 74 per cent of the possible output was attained and in 1922 an even higher record of 77 per cent was reported.

New Brunswick and British Columbia made the best showings in 1924 reporting 83 per cent and 80 per cent respectively of their possible outputs. Alberta reported 66 per cent and Nova Scotia and Saskatchewan 65 per cent each.

Table 4.—Tonnage Lost in the Coal Mines in 1922-1924 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.....	1922	73	27	5.1	11.9	0.7	0.5	8.8
	1923	72	28	7.8	9.5	0.8	1.0	8.9
	1924	65	35	3.2	21.7	0.6	1.5	8.0
NEW BRUNSWICK.....	1922	79	21	5.0	13.0			3.0
	1923	89	11	8.1		0.1	1.0	1.8
	1924	83	17	3.9	10.5	0.1	0.2	2.3
SASKATCHEWAN.....	1922	77	23	0.3	19.5	0.4	0.5	2.3
	1923	75	25	0.9	17.8	1.1	1.6	3.6
	1924	65	35	0.3	32.6	0.2	0.0	1.9
ALBERTA.....	1922	78	22	1.3	13.3	0.9	0.4	6.1
	1923	73	27	1.2	18.4	3.2	0.7	3.5
	1924	66	34	0.6	13.9	0.7	0.5	18.3
BRITISH COLUMBIA.....	1922	84	16	3.2	9.0	2.4		1.4
	1923	81	19	1.9	16.1	0.2	0.1	0.7
	1924	80	20	1.9	41.4	0.3	0.1	3.3
Canada.....	1922	77	23	3.1	12.2	1.1	0.4	6.2
	1923	74	26	4.0	14.3	1.7	0.8	5.2
	1924	67	33	2.4	17.9	0.6	0.8	11.3

Table 5.—Tonnage Lost in the Coal Mines of Canada showing by Months the Relative Percentages produced and lost with an Analysis of the Percentage Lost in 1923

Month	Per cent produced	Per cent lost	Percentage lost through				
			Absenteeism	Lack of orders	Car shortage	Mine disability	Other causes
1923							
January	83	17	3.1	9.3	0.8	0.6	3.2
February	81	19	3.8	6.1	4.4	1.5	3.2
March	72	28	2.0	14.5	2.2	1.4	7.0
April	72	28	3.1	19.0	2.1	0.8	3.0
May	73	27	3.0	15.8	1.7	0.9	5.6
June	76	21	0.4	11.4	0.0	1.4	4.2
July	69	40	3.0	8.3	0.5	0.5	27.7
August	78	22	11.4	7.0	0.3	0.6	2.7
September	73	27	14.0	8.4	0.4	0.8	3.4
October	74	26	2.6	17.7	2.7	0.5	2.5
November	77	23	2.0	17.6	2.1	0.3	1.0
December	66	34	3.0	27.9	1.6	0.2	1.3
Total	74	26	4.0	14.3	1.7	0.8	5.2

Table 6.—Tonnage Lost in the Coal Mines of Canada showing by Months the Relative Percentages produced and lost with an Analysis of the Percentage Lost in 1924

Month	Per cent produced	Per cent lost	Percentage lost through				
			Absentee- ism	Lack of orders	Car shortage	Mine disability	Other causes
1924							
January	72	28	2.6	10.5	0.8	0.2	13.9
February	63	37	1.5	19.2	1.3	0.5	14.5
March	76	24	3.0	17.7	0.8	0.7	1.8
April	70	30	2.8	10.4		0.3	16.5
May	53	47	3.0	28.4	0.2	0.9	14.5
June	51	46	1.3	28.9	0.2	0.5	15.1
July	55	45	2.0	25.6	0.2	1.8	15.4
August	55	45	2.5	25.9	1.0	0.9	14.7
September	65	35	2.1	17.7	0.7	0.8	13.7
October	73	27	1.5	10.3	1.1	1.1	12.7
November	81	19	2.2	13.6	0.2	0.8	2.2
December	73	27	1.8	17.6	0.8	1.3	5.5
Total	67	33	2.4	17.9	0.6	0.8	11.3

Disposition.—In the disposition tables there are records of the distribution of coal mined in Canada during the past two years. In line with the lowered output figures the items in the disposition tables showed less amounts in every case except in the amounts put on bank and lifted from bank which were slightly greater than in 1923. Considerable reductions were made in the amount of coal used about the mines for the generation of power. Lower prices for coal reduced the average value of the total output from \$4.24 per short ton in 1923 to \$3.93 in the year under review.

Table 7.—Disposition of coal from Canadian Mines, 1923 and 1924

(Short tons)

	1923			1924		
	Total coal	Total value	Average value per ton	Total coal	Total value	Average value per ton
		\$	\$		\$	\$
Supplied to employees for domestic consumption	219,798	645,392	2.58	212,422	675,935	3.18
Used for Power Purposes—						
(a) Shops	11,440	35,237	3.08	5,590	21,296	3.81
(b) Colliery boilers	1,006,880	3,101,062	3.08	845,830	2,676,622	3.16
(c) Companies' railroads	87,830	270,526	3.08	67,281	269,177	4.00
(d) Harbour tugs and dredges	694	2,140	3.08	1,311	5,770	4.40
Shipped. (See Table 10)—						
(a) Ships' bunkers	606,521	3,178,825	5.24	609,587		
(b) Railroads	4,923,962	23,048,877	4.68	2,865,911	49,685,456	4.10
(c) Other	9,700,337	41,318,150	4.26	8,649,905		
Used in making coke at the colliery	109,537	519,773	5.17	53,767	271,722	5.05
Used in making briquettes	37,363	106,587	2.85			
Put on bank	730,151	2,903,775	3.98	892,278	3,145,490	3.53
Put on waste heap	316,900	851	0.00	277,212	6,710	0.02
Total Disposition	17,772,419	75,131,201	4.23	14,472,094	56,758,178	3.92
Lifted from bank	781,848	3,072,215	3.93	833,897	3,161,190	3.79
Total Output	16,990,571	72,058,986	4.24	13,638,197	53,597,988	3.93

Table 8.—Disposition of Coal from Canadian Mines by Provinces, 1923

(Short tons)

	Nova Scotia	New Brunswick	Saskatchewan	Alberta	British Columbia	Yukon	Canada
Supplied to employees for domestic consumption	162,987	3,508	3,998	51,620	27,679		249,798
Coal shipped. (See Table 10)	5,884,084	264,558	407,422	6,447,023	2,227,293	440	15,230,820
Used under colliery boilers	490,376	7,963	20,720	268,921	218,880	20	1,006,880
Used by company's railroads	59,383	86	2,967	7,605	17,795		87,836
Used for manufacture of coke at colliery					100,537		100,537
Used in making briquettes				37,363			37,363
Used in shops, etc.	11,440						11,440
Used by harbour tugs and dredges	694						694
Put on bank	534,709	31,385	5,163	55,718	100,176		730,151
Put on waste heap	11,614	137	2,695	71,818	224,638		316,900
Total Disposition	7,158,287	310,637	442,965	6,943,974	2,616,996	460	17,772,419
Lifted from bank	560,449	31,020	4,865	88,677	93,690	147	781,848
Total Output	6,597,838	279,617	438,100	6,855,297	2,822,306	313	16,990,571

Table 9.—Disposition of Coal from Canadian Mines by Provinces, 1924

(Short tons)

	Nova Scotia	New Brunswick	Saskatchewan	Alberta	British Columbia	Yukon	Canada
Supplied to employees for domestic consumption	124,511	3,010	3,972	51,095	26,834		212,422
Coal shipped. (See Table 10)	4,870,471	211,335	448,769	4,851,273	1,734,144	501	12,116,193
Used under colliery boilers, etc.	458,172	3,546	20,811	196,548	166,933	20	845,830
Used by company's railroads	44,648		3,329	5,299	14,005		67,281
Used for manufacture of coke at colliery					53,767		53,767
Used in making briquettes							
Used in shops, etc.	5,590						5,590
Used by harbour tugs and dredges	1,311						1,311
Put on bank	729,760	11,957	2,414	59,671	88,476		892,278
Put on waste heap	6,267	73	2,394	74,245	193,633	600	277,212
Total Disposition	6,246,730	229,631	481,685	5,211,131	2,277,292	1,121	14,472,094
Lifted from bank	683,289	12,510	2,571	51,402	84,125		833,897
Total Output	5,563,441	217,121	479,118	5,159,729	2,193,667	1,121	13,638,197

Shipments.—Shipments of coal from Canadian mines during 1924 totalled 12,116,403 short tons, a drop of 3.11 million tons from the total of 1923. Domestic shipments amounted to 8,170,860 tons; railroads and ships' bunkers took 3,466,498 tons and exports to other countries direct from the mines totalled 479,045 tons. These figures are all lower than the corresponding totals for 1923. About 45 per cent of the coal shipped was run-of-mine; 39 per cent was screened and the balance was slack. Of the shipments to Canadian points, 30 per cent was classed as run-of-mine, 47 per cent screened and the balance slack. Railroad coal and coal for ships' bunkers included 79 per cent run-of-mine, 16 per cent screened and 5 per cent slack. Shipments to points outside of Canada consisted largely of screened coal with about half as much run-of-mine. Most of the coal shipped direct from the mines to points outside of Canada went to the United States and Newfoundland.

As reported in Table 28, the total consumption of coal by railroad locomotives in Canada in the year under review amounted to 9,015,516 tons including only 12,400 tons of anthracite. Shipments of coal from Canadian mines for railroad use totalled 2,865,911 tons. In 1923, when the railroads used 9,940,976 tons of coal, Canadian coal mines' shipments to railroads totalled 4,923,962 tons.

What may to some appear to be a discrepancy between the figures shown for coal exported directly from the mines, and the records of coal exported from Canada as reported by the Department of Customs, is due largely to the fact that brokers and other dealers purchase considerable quantities of coal from Canadian mine operators and then dispose of their purchases in the foreign market. Thus, some of the coal reported by the operator as sold by him for delivery to Canadian points may be subsequently exported and so be included in the Customs' records. There is also a difference between the time of shipment and the time of clearing through Customs, so that the tonnage of coal in transit appears in the one record but is excluded from the other.

Analysis of the shipment table shows that approximately two-thirds of the total coal shipped from Canadian mines in 1924 went to Canadian consumers. In 1923, more than one-half of the total coal shipped was used by Canadian consumers for railroads and ships. Shipments from the mines to Canadian points in 1924 were only about 576,000 tons less than in the preceding year. Supplies for railroads and ships' bunkers dropped to about three-fifths of the total for the preceding year and foreign shipments declined about one-half the tonnage reported in 1923.

Table 10.—Shipments of Coal from Canadian Mines by Grades and Destinations, 1923 and 1924

(Short tons)

Destination	1923				1924			
	Run-of-mine	Screened	Slack	Total	Run-of-mine	Screened	Slack	Total
Prince Edward Island.....	13,990	68,047	380	82,417	7,053	57,780	509	65,342
Nova Scotia.....	574,835	571,775	709,353	1,855,963	290,505	493,627	570,571	1,354,703
New Brunswick.....	462,061	220,573	52,517	735,151	300,918	219,423	88,499	608,840
Quebec.....	1,290,477	28,151	221,656	1,540,284	1,226,032	60,994	367,841	1,655,767
Ontario.....	24,371	45,075	8,320	77,766	2,740	18,326	7,011	28,077
Manitoba.....	176,413	537,433	71,102	784,948	153,880	510,380	73,817	738,077
Saskatchewan.....	234,900	1,078,818	110,598	1,424,316	247,819	1,051,886	120,237	1,419,942
Alberta.....	229,761	807,304	293,881	1,330,946	253,618	854,974	285,256	1,393,848
British Columbia.....	91,750	576,429	246,399	914,578	67,052	595,102	243,579	905,733
Yukon.....		440		440		501		501
Total Domestic Shipments	3,098,558	3,934,045	1,714,206	8,746,809	2,350,547	3,862,993	1,757,320	8,170,860
Railroads.....	4,540,483	238,059	145,420	4,923,962	2,469,159	237,284	159,468	2,865,911
Ships' Bunker.....	260,144	338,072	8,305	606,521	268,468	324,539	77,580	670,587
Total Railroads and Ships' Bunkers	4,800,627	576,131	153,725	5,530,483	2,737,627	561,823	167,048	3,466,498
United States.....	323,965	196,268	63,173	583,406	29,627	156,913	38,481	225,021
Newfoundland.....	107,465	153,444	10,476	271,385	102,619	139,210	12	241,841
West Indies.....		100		106	81			81
Europe.....	86,536	1,120		87,656				
Other places.....	3,031	7,383	561	10,975	3,601	7,605		11,206
Lost at sea.....					896			896
Total Foreign Shipments	520,997	358,321	74,210	953,528	136,824	303,728	38,493	479,045
Total.....	8,420,182	4,868,497	1,942,141	15,230,820	5,424,998	4,728,544	1,962,861	12,116,403

Exports.—Exports of Canadian coal dropped to 773,246 tons in 1924, the lowest point since 1890 when exports amounted to 724,486 short tons. As in other years, about equal quantities of coal were exported from eastern Canada and from western Canada. Three tables have been prepared on this subject. For the first time in this series of reports a historical table showing the tonnages of Canadian coal exported since 1873 has been included. Then, as in previous years, tables showing the exports of coal from eastern and western Canada and exports of Canadian coal by destination in each of the past three years have been prepared. Records of the exports of coal from Canada are supplied twice-a-month to the Bureau by the Department of Customs and while the coal operators show on their monthly reports the quantity of coal sold for export, the data given in this report on coal exported from Canada are all compiled from Customs' figures. The coal reported by operators as having been sold for export is shown in the tables of "Shipments." In reporting the exports of Canadian coal, it has been found advisable not to show the data by provinces as the Customs' records show the total quantity of coal exported from Canada through each port of exit without regard to the origin of the coal. For example, practically all the Alberta coal sold for export is usually cleared through the ports of Fernie and Cranbrook in British Columbia. Similarly, Nova Scotia coal is sometimes exported through New Brunswick ports. In the table showing the exports of coal by destination, the extent of Canada's foreign markets for coal is shown in detail.

Table 11.—Exports of Canadian Coal, 1873-1924

(Compiled in the *External Trade Branch*)

(Short tons)

Calendar Year	Short tons	Value	Calendar Year	Short tons	Value
		\$			\$
1873	420,683		1899	1,293,169	
1874	319,988		1900	1,787,777	
1875	250,348		1901	1,573,661	
1876	248,638		1902	2,090,268	
1877	301,317		1903	1,954,629	
1878	327,950		1904	1,557,412	
1879	306,618		1905	1,635,287	
1880	432,188		1906	1,835,041	
1881	395,382		1907	1,891,071	
1882	412,682		1908	1,729,833	
1883	486,811		1909	1,588,099	
1884	474,405		1910	2,377,040	
1885	427,937		1911	1,500,639	
1886	520,703		1912	2,127,133	
1887	580,965		1913	1,562,020	3,951,351
1888	588,627		1914	1,423,126	3,780,175
1889	665,315		1915	1,766,543	5,406,058
1890	724,486		1916	2,135,359	7,099,387
1891	971,259		1917	1,733,156	7,387,192
1892	823,733		1918	1,817,195	9,405,423
1893	960,312		1919	2,070,050	12,438,885
1894	1,103,694		1920	2,558,174	18,014,899
1895	1,011,235		1921	1,987,251	13,896,370
1896	1,106,091		1922	1,918,582	11,519,060
1897	986,130		1923	1,654,406	10,661,399
1898	1,150,029		1924	773,246	4,836,848

Table 12.—Exports of Canadian Coal from Eastern and Western Canada, 1922-1924

(Short tons)

	1922	1923	1924
Eastern Canada	763,115	796,015	381,331
Western Canada	1,055,467	858,391	391,915
Total Exports	1,818,582	1,654,406	773,246

Table 13.—Exports of Canadian Coal by Destination, 1922-1924

(Compiled in the *External Trade Branch*)

(Short tons)

Destination	1922		1923		1924	
	Short tons	Value \$	Short tons	Value \$	Short tons	Value \$
United Kingdom.....	27,614	231,483	65,260	489,759	23,123	164,637
British South Africa.....	7,406	45,286	668	4,076	3,289	22,005
British West Africa.....					2,903	16,518
Bermuda.....	1,059	7,408	9,972	78,432	10,511	67,862
British East Indies—						
India.....	1,377	10,935				
British Guiana.....	7,923	73,127	21,029	177,307	3,837	32,309
British West Indies—						
Barbados.....	4,166	25,526	1,858	13,176	4,287	24,650
Jamaica.....			745	4,155		
Other B. W. I.....	311	2,772	749	6,817	649	5,354
Egypt and Sudan.....	250	2,000				
Gibraltar.....	6,284	43,474	4,509	31,566	5,411	34,179
Hong Kong.....	9	67				
Malta.....			450	3,150		
Newfoundland.....	196,384	1,309,046	258,294	1,760,537	248,140	1,457,872
Australia.....	16,724	124,569	18,645	150,476	12,415	97,666
Fiji.....			1,417	11,761		
New Zealand.....	3,847	24,043	3,537	24,174	978	8,117
Total British Empire.....	273,354	1,899,736	387,133	2,757,986	315,543	1,931,199
Argentina.....	1,842	11,512			675	4,053
Belgium.....	4,104	31,733	1,913	13,787	1,528	9,904
Brazil.....	432	2,595				
China.....	4,391	36,281	6,692	53,423	3,160	21,158
Cuba.....	5,557	49,981	1,178	10,205	378	3,142
Denmark.....	1,820	14,059	381	2,667	1,362	9,335
Finland.....	290	2,368				
France.....	7,219	55,279	12,097	92,677	9,751	67,745
French Possessions—						
French Africa.....	141	1,128	265	1,855	737	4,422
French West Indies.....					439	2,784
St. Pierre and Miquelon.....	11,216	77,817	12,366	86,428	7,047	45,511
Germany.....	2,799	20,964	308	2,849	1,538	9,231
Greece.....			914	6,398	6,098	37,154
Italy.....	9,601	76,369	10,427	73,623	14,985	92,342
Japan.....	21,763	178,830	18,413	146,651	40,047	309,546
Mexico.....						
Morocco.....						
Netherlands.....	5,445	42,876	71,966	450,849	14,862	90,132
Netherlands Possessions—						
Dutch East Indies.....	933	7,697				
Norway.....	235	1,528	3,811	26,677	405	2,430
Prussia.....			683	4,619	1,551	9,306
Portugal.....			416	2,912		
Russia.....	600	4,152	396	3,649		
Spain.....	453	3,220				
Sweden.....	1,096	9,080	240	1,680	2,560	15,390
United States.....	1,419,786	8,252,995	1,072,011	6,486,977	308,448	1,853,991
Alaska.....	31,150	260,452	31,162	253,834	22,585	100,473
Hawaii.....	2,202	18,167				
Philippines.....	12,138	100,241	21,644	170,662	19,547	157,300
Uruguay.....						
Total, Foreign Countries.....	1,545,228	9,250,324	1,267,273	7,903,413	457,703	2,905,249
Grand Total.....	1,818,582	11,150,060	1,654,406	10,661,399	773,246	4,836,548

*Egypt only.

Imports.—Data regarding imports of anthracite and bituminous coal into Canada are supplied to the Bureau twice-a-month by the Department of Customs. The figures show for each custom port of entry the total quantity of each kind of coal imported during the period. These data are not comparable with the imports statistics published in the Monthly Reports on the Trade of Canada, which reports show only the quantity of coal actually cleared from Customs for consumption in Canada. It often happens that large quantities of bituminous coal are brought into Canada but are not cleared from Customs until required for use owing to the fact that there is a duty of 53 cents a ton collected on all bituminous coal, round and run-of-mine, imported. With the exception therefore of Table 14, "Imports of coal into Canada, entered for consumption" and Table 27 on "Consumption" both of which were compiled from the Monthly Reports on the Trade of Canada, prepared in the External Trade Branch of the Bureau, all the

tables of imports in this report show the total quantity of coal received at each of the Customs ports indicated. The imports of coal by kinds, grades and sources for eastern Canada and for western Canada have been compiled in Table 15.

Canada's great central area comprising Ontario and Quebec provides a very considerable market for United States producers of anthracite coal which is largely used for domestic purposes in central Canada, and for bituminous coals used in industrial establishments. So far, these two provinces have been largely dependent upon United States producers for their supply of fuel though in recent years increasing quantities of coal have been imported from Great Britain and attempts have been made to extend the use of Canadian coals. Imports of anthracite coal in 1924 totalled 4,183,594 tons including 3,908,317 tons of United States anthracite and 275,277 tons from Great Britain. This total was a million tons lower than the recorded figures for the preceding calendar year but imports in 1923 were above normal owing to the fact that the supply in 1922 had been curtailed due to labour troubles. Imports of coal from Great Britain have reached appreciable tonnages in the past three years. Less coal was obtained from this source in 1923 than in either of the two preceding years but imports totalling 315,380 tons were received comprising 275,277 tons of anthracite and 40,103 tons of bituminous. While the total imports of coal from Great Britain were less in 1924 than in the preceding years, the total anthracite importations from this source showed a gain. In 1922, Canada purchased 179,708 tons of anthracite from Great Britain; in 1923 the total rose to 261,659 tons and in 1924 anthracite importations amounted to 275,277 tons. Most of this coal was burned in eastern and central Canada.

Imports of anthracite from the United States which amounted to 2.5 million tons in 1922 rose to a total of 4.9 million tons in the following year and receded to 3.9 million tons in 1924. There was a very great decrease in the total imports of bituminous coal into Canada during 1924. Only 12,644,984 tons were imported as compared with a total of 17,519,439 tons in 1923 but here again a part of the great total in 1923 was due to the fact that the supplies had been somewhat limited in the preceding year when the imports were 11,563,467 short tons.

As brought out in the table of imports in which both tonnages and values are given, there has been a decided drop in the average value per ton of the bituminous coal imported into Canada in the past four years. In 1921, the total imports into Canada of bituminous coal entered for consumption amounted to 13,748,242 tons valued at \$48,631,095 or an average of \$3.53 a ton; in 1924, the corresponding totals were 12,546,214 tons and \$29,628,643 making an average value of \$2.36 per short ton.

In addition to the table showing the imports of coal entered for consumption which provides a historical record back to 1880, there are tables showing the imports into eastern and western Canada of the different kinds and grades of coal imported as well as compilations showing the average imports by provinces for the five-year period 1920-1924, and other tables showing the imports of each kind of coal by grades and by provinces from each of the main sources of supply.

The chart showing the principal coal-importing areas in central Canada has been prepared from carefully collected information. Coal imported through any of the ports listed in the accompanying key is very rarely distributed outside the boundaries of the area in which that port occurs.

Table 14.—Imports of Coal into Canada "Entered for Consumption" 1880-1924*

(Compiled in the External Trade Branch)

Year	Anthracite coal and anthracite dust		Bituminous coal		Bituminous coal dust		Lignite	
	Short tons	Value	Short tons	Value	Short tons	Value	Short tons	Value
Fiscal year ending Mar. 31—		\$		\$		\$		\$
1880.....	516,729	1,509,960	457,049	1,220,761	3,565	8,877		
1881.....	572,092	2,325,937	587,024	1,741,568	337	666		
1882.....	638,273	2,666,356	636,374	1,992,081	471	900		
1883.....	751,891	3,344,936	911,629	2,996,198	8,154	10,082		
1884.....	868,000	3,831,283	1,118,615	3,613,470	12,782	14,600		
1885.....	910,321	3,909,844	1,011,875	3,197,539	20,185	20,412		
1886.....	995,425	4,028,050	930,949	2,591,554	36,230	36,996		
1887.....	1,100,165	4,423,062	1,149,792	3,126,225	31,401	33,178		
1888.....	2,138,627	5,291,875	1,231,234	3,451,661	28,808	34,730		
1889.....	1,291,705	5,199,481	1,248,540	3,255,171	39,980	47,139		
1890.....	1,201,335	4,595,727	1,409,282	3,528,959	53,104	29,818		
1891.....	1,399,067	5,224,452	1,598,855	4,060,896	60,127	36,130		
1892.....	1,479,106	5,640,346	1,615,220	4,099,221	82,091	39,840		
1893.....	1,500,550	6,355,285	1,603,154	3,967,784	109,585	44,474		
1894.....	1,530,522	6,354,040	1,359,509	3,315,094	117,573	49,510		
1895.....	1,491,312	5,350,627	1,444,928	3,321,387	181,318	52,221		
1896.....	1,574,355	5,667,096	1,538,489	3,200,025	210,386	53,742		
1897.....	1,457,295	5,695,168	1,513,476	3,254,217	225,562	59,609		
1898.....	1,460,701	5,871,685	1,684,024	3,179,505	229,445	45,650		
1899.....	1,745,460	6,490,509	2,171,358	3,691,946	276,547	44,717		
1900.....	1,654,101	6,602,912	2,439,764	4,310,964	330,174	98,349		
1901.....	1,933,283	7,923,950	2,516,392	4,956,025	414,432	275,559		
1902.....	1,652,451	7,021,939	3,047,392	5,712,058	489,548	264,550		
1903.....	1,456,713	7,028,661	3,511,412	7,776,717	550,883	420,317		
1904.....	2,275,018	10,461,223	4,053,900	9,108,208	608,041	541,128	Not separat until 1923	ely itemized 1923
1905.....	2,604,137	12,093,371	4,176,274	8,002,896	650,261	343,456		
1906.....	2,200,863	10,364,308	4,495,550	8,360,348	747,251	489,180		
			Bituminous round and run-of-mine		Bituminous slack such as will pass through a $\frac{1}{2}$ screen			
Calendar year—								
1907.....	3,141,873	14,506,129	6,370,152	13,232,445	1,139,256	1,121,949		
1908.....	3,160,110	14,478,536	6,025,574	12,516,748	1,111,811	1,355,677		
1909.....	3,017,844	13,906,152	5,625,063	11,455,818	1,230,017	1,469,889		
1910.....	3,266,335	14,733,062	5,966,466	11,919,341	1,365,281	1,795,598		
1911.....	4,020,577	18,794,192	8,905,815	18,407,603	1,632,500	2,080,796		
1912.....	4,184,017	20,080,388	8,491,840	16,846,727	1,919,953	2,550,922		
1913.....	4,642,057	22,034,839	10,743,473	21,756,658	2,816,423	4,157,622		
1914.....	4,435,010	21,241,924	7,776,415	14,954,321	2,509,632	3,605,253		
1915.....	4,072,192	18,753,980	6,106,791	7,564,369	2,286,916	2,027,256		
1916.....	4,570,815	22,216,363	9,504,552	12,368,679	3,505,236	3,704,624		
1917.....	5,320,198	28,109,586	12,407,486	33,712,894	3,129,776	8,739,877		
1918.....	4,785,160	26,067,888	13,656,360	37,291,057	3,237,067	8,351,639		
1919.....	4,952,675	31,595,694	10,127,965	24,750,717	2,228,197	4,814,388		
1920.....	4,892,313	36,773,351	11,548,475	50,808,626	2,312,754	10,451,621		
1921.....	4,553,820	40,293,639	11,184,635	41,000,322	2,553,607	7,630,773		
1922.....	2,705,752	23,795,143	8,133,366	30,171,375	2,181,407	7,215,910		
1923.....	5,165,382	46,457,962	11,933,610	39,511,911	3,888,630	10,387,188		
1924.....	4,152,558	37,280,910	9,222,019	23,120,128	3,324,195	6,508,515	2,331	12,846
							26,007	117,955

*Anthracite coal and anthracite dust enter Canada duty free; bituminous coal, round and run-of-mine is subject to a duty of 53 cents a ton; bituminous slack, 14 cents a ton.

Table 15.—Imports of Coal into Eastern and Western Canada, by Grades, 1922-1924

(Short tons)

Destination	Anthracite			Bituminous			Total all grades
	Egg, nut, etc.	Dust	Total anthracite	Round and run-of-mine	Slack	Total bituminous	
EASTERN CANADA—							
1922—							
United States.....	2,215,461	226,282	2,441,743	7,117,737	1,753,066	8,870,803	11,312,546
Great Britain.....	165,201	13,281	178,482	441,015	197,903	638,918	817,400
Total.....	2,380,662	239,563	2,620,225	7,558,752	1,950,969	9,509,721	12,129,916
1923—							
United States.....	4,379,008	386,335	4,765,343	11,315,253	3,440,567	14,764,820	19,530,163
Great Britain.....	240,303	21,356	261,659	55,936	212,873	268,809	530,468
Total.....	4,619,311	407,191	5,027,002	11,371,189	3,662,440	15,033,629	20,060,631
1924—							
United States.....	3,559,658	222,742	3,782,400	7,651,577	2,851,176	10,502,753	14,285,153
Great Britain.....	273,433	1,844	275,277	18,969	21,134	40,103	315,380
Total.....	3,833,091	224,586	4,057,677	7,670,546	2,872,310	10,542,856	14,600,533
WESTERN CANADA—							
1922—							
United States.....	68,645	3,861	72,506	1,922,496	130,746	2,053,242	2,125,748
Other Countries.....	1,226		1,226	504		504	1,730
Total.....	69,871	3,861	73,732	1,923,000	130,746	2,053,746	2,127,478
1923—							
United States.....	130,998	9,881	140,879	*2,048,463	437,346	*2,485,809	*2,626,688
Great Britain.....				1		1	1
Total.....	130,998	9,881	140,879	*2,048,464	437,346	*2,485,810	*2,626,689
1924—							
United States.....	121,986	3,931	125,917	(a)1,666,051	434,284	(a)2,100,335	(a)2,226,252
Great Britain.....				1,793		1,793	1,793
Other Countries.....				(a)1,667,844		(a)2,102,128	(a)2,228,045
Total.....	121,986	3,931	125,917	(a)1,667,844	434,284	(a)2,102,128	(a)2,228,045
Totals—							
1922—							
United States.....	2,284,106	230,143	2,514,249	9,040,233	1,883,812	10,924,045	13,438,294
Great Britain and Other Countries.....	166,427	13,281	179,708	441,519	197,903	639,422	819,130
Total.....	2,450,533	243,424	2,693,957	9,481,752	2,081,715	11,563,467	14,257,424
1923—							
United States.....	4,510,006	396,216	4,906,222	*13,363,716	3,886,913	*17,250,629	*22,150,851
Great Britain.....	240,303	21,356	261,659	55,937	212,873	268,810	530,469
Total.....	4,750,309	417,572	5,167,881	*13,419,653	4,099,786	*17,519,439	*22,681,320
1924—							
United States.....	3,681,644	226,673	3,908,317	(a)9,317,628	3,285,460	(a)12,603,088	(a)16,511,405
Great Britain.....	273,433	1,844	275,277	18,969	21,134	40,103	315,380
Other Countries.....				1,793		1,793	1,793
Total.....	3,955,077	228,517	4,183,594	(a)9,338,390	3,306,594	(a)12,644,984	(a)16,828,578

*Includes 2,331 tons lignite coal.

(a) Includes 25,902 tons lignite coal.

Table 16.—Imports of Anthracite Coal into Canada from Great Britain, by Grades and by Provinces, 1922-1924

(Short tons)

Destination	1922		1923		1924	
	Egg, nut, etc.	Dust	Egg, nut, etc.	Dust	Egg, nut, etc.	Dust
Nova Scotia.....	5,645		18,570		12,461	
New Brunswick.....	19,420		35,787		25,579	
Quebec.....	139,236	13,281	183,702	21,356	229,142	
Ontario.....	900		2,244		6,251	1,844
British Columbia.....	(a) 1,226					
Canada.....	166,427	13,281	240,303	21,356	273,433	1,844

(a) Imported from Other Countries.

Table 17.—Imports of Bituminous Coal into Canada from Great Britain, by Grades and by Provinces, 1922-1924

(Short tons)

Destination	1922		1923		1924	
	Round and run-of-mine	Slack	Round and run-of-mine	Slack	Round and run-of-mine	Slack
Nova Scotia.....	3,267		7,871		246	
New Brunswick.....	1,999	17,132	5,513	17,927	15	
Quebec.....	(a) 432,037	177,554	42,552	194,946	18,708	21,134
Ontario.....	3,712	3,217				
British Columbia.....	(b) 504		1		(b) 1,793	
Canada.....	441,519	197,903	55,937	212,873	20,762	21,134

(a) Includes 75 tons imported from Other Countries.

(b) Imported from Other Countries.

Table 18.—Imports of Anthracite Coal into Canada from United States by Grades and by Provinces, 1922-1924

(Short tons)

Destination	1922		1923		1924	
	Egg, nut, etc.	Dust	Egg, nut, etc.	Dust	Egg, nut, etc.	Dust
Prince Edward Island.....	4,589		4,303		3,571	
Nova Scotia.....	21,363	56	35,169		37,616	
New Brunswick.....	40,252		54,291	265	59,681	251
Quebec.....	633,237	156,210	1,359,735	251,616	933,390	157,181
Ontario.....	1,573,545	70,010	2,909,019	142,603	2,015,688	65,310
Manitoba.....	10,075	3,740	54,290	1,506	30,324	3,898
Saskatchewan.....	111	120	2,125	166	1,687	33
British Columbia.....	34	1	174		687	
Canada.....	2,284,106	230,143	4,510,006	396,216	3,681,644	226,673

Table 19.—Imports of Bituminous Coal into Canada from United States by Grades and by Provinces, 1922-1924

(Short tons)

Destination	1922		1923		1924	
	Round and run-of-mine	Slack	Round and run-of-mine	Slack	Round and run-of-mine	Slack
Prince Edward Island.....	619	736	1,263		3,597	
Nova Scotia.....	5,245	988	26,340	18,086	60,209	6,959
New Brunswick.....	23,982	37,240	50,882	27,960	42,657	29,880
Quebec.....	1,052,360	264,309	2,187,348	735,643	993,281	532,235
Ontario.....	7,917,917	1,529,676	11,048,490	3,019,512	8,138,908	2,598,940
Manitoba.....	29,491	45,357	34,328	77,806	43,384	100,225
Saskatchewan.....	385	1,099	421	1,186	(b) 1,028	1,533
Alberta.....	538	609	564	546	826	383
British Columbia.....	9,664	3,798	(a) 14,075	6,174	(c) 33,714	15,305
Yukon.....	32		5		24	
Canada.....	9,044,233	1,893,812	13,363,716	3,886,913	9,317,628	3,285,460

(a) Includes 2,331 tons lignite coal.

(b) Includes 139 tons lignite coal.

(c) Includes 25,763 tons lignite coal.

Table 20.—Average Imports of Coal into Canada by Kinds and Grades and by Provinces for the Five Years 1920-1924

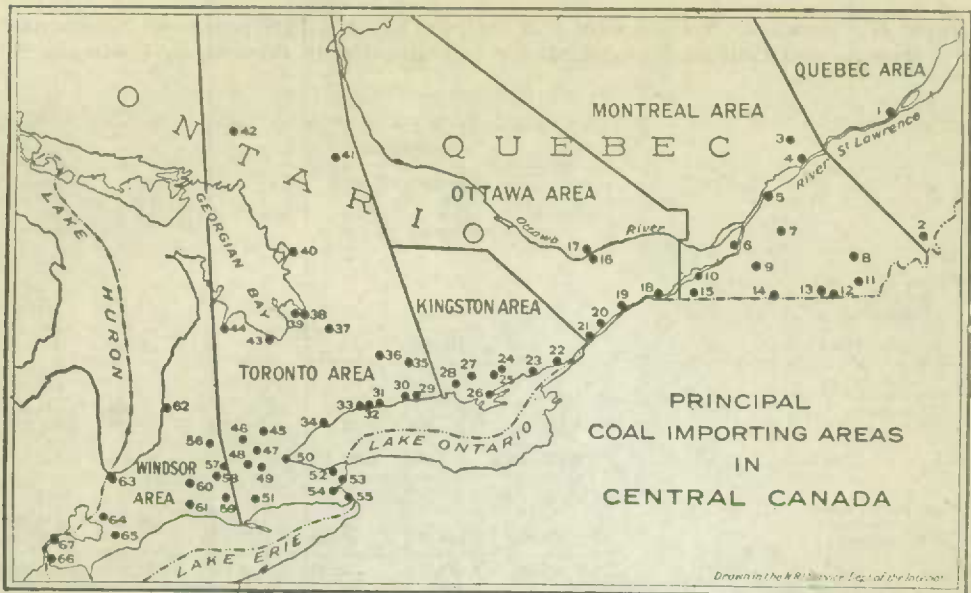
(Short tons)

Destination	Anthracite			Bituminous			Total
	Egg, Nut, etc.	Dust	Total	Round and run- of-mine	Slack	Total	
Prince Edward Island.....	4,930		4,930	1,246	147	1,393	6,323
Nova Scotia.....	47,672	20	47,692	21,477	5,349	26,826	74,518
New Brunswick.....	74,876	103	74,979	28,801	30,814	59,615	134,594
Quebec.....	1,169,912	216,939	1,386,851	1,977,222	590,794	2,568,016	3,954,867
Central Ontario.....	2,513,926	86,885	2,600,811	7,453,607	1,976,521	9,430,128	12,030,939
Head of Lakes.....	155,559	1,630	157,189	1,838,707	192,560	2,031,267	2,188,455
Total Ontario.....	2,669,485	88,515	2,758,000	9,292,314	2,169,090	11,461,404	14,219,404
Manitoba.....	27,787	3,398	31,155	31,324	58,870	90,194	121,349
Manitoba and Head of Lakes.....	183,326	5,018	188,344	1,865,487	247,818	2,113,365	2,301,649
Saskatchewan.....	868	72	940	603	1,060	1,663	2,603
Alberta.....	81	35	116	615	566	1,181	1,297
British Columbia.....	489		489	17,209	5,838	23,047	23,536
Yukon.....				15		15	15
Canada.....	3,998,080	309,072	4,305,152	11,370,826	2,862,528	14,233,354	18,538,506

Table 21.—Average Imports of Coal into Central Canada by Principal Areas for the Five Years 1920-1924

(Short tons)

Destination	Anthracite			Bituminous			Total
	Egg, Nut, etc.	Dust	Total	Round and run- of-mine	Slack	Total	
Quebec.....	97,522	16,633	114,155	149,644	49,027	198,671	312,826
Montreal.....	1,059,715	198,650	1,258,365	1,791,195	514,518	2,305,713	3,564,108
Ottawa.....	285,378	16,418	301,796	533,838	174,259	708,097	1,009,893
Kingston.....	121,043	1,188	122,231	79,163	103,979	180,142	302,373
Toronto.....	1,772,438	64,267	1,836,705	4,010,580	975,754	4,986,334	6,829,019
Windsor.....	328,138	6,449	334,587	2,025,119	505,519	2,530,638	2,865,225
Total.....	3,664,234	383,695	3,967,839	8,592,519	2,323,666	10,915,605	14,883,444



Key to the Ports of Entry Shown on the Map

QUEBEC AREA—		OTTAWA AREA—		TORONTO AREA—COR.		TORONTO AREA—COR.	
1	Quebec City	16	Ottawa	32	Oshawa	51	Simcoe
2	Megantic	17	Hull	33	Whitby	52	St. Catharines
MONTREAL AREA—		18	Cornwall	34	Toronto	53	Niagara Falls
3	Shawinigan Falls	19	Morrisburg	35	Peterboro	54	Welland
4	Three Rivers	20	Prescott	36	Lindsay	55	Bridgeburg
5	Sorel	21	Brookville	37	Orillia	WINDSOR AREA—	
6	Montreal	22	Gananoque	38	Port McNicoll	56	Stratford
7	St. Hyacinthe	23	Kingston	39	Midland	57	Woodstock
8	Sherbrooke	24	Napanee	40	Parry Sound	58	Ingersoll
9	St. John's	25	Deseronto	41	North Bay	59	Tillsonburg
10	Valleyfield	26	Pictou	42	Sudbury	60	London
11	Coaticook	27	Belleville	43	Collingwood	61	St. Thomas
12	Beebe Junction	28	Trenton	44	Owen Sound	62	Goderich
13	Mansonville	TORONTO AREA—		45	Guelph	63	Sarnia
14	St. Armand	29	Coloung	46	Kitchener	64	Wallaceburg
15	Athelstan	30	Port Hope	47	Galt	65	Chatham
		31	Bowmanville	48	Paris	66	Amherstburg
				49	Brantford	67	Windsor
				50	Hamilton		

Consumption.—Summary statistics have been prepared in the following tables to show the output, exports, interprovincial shipments, imports and coal made available for consumption in Canada by provinces in each of the past five years.

In these tables the output figures are those reported by the companies operating producing mines; data on interprovincial shipments were compiled from the monthly statements sent in by the coal operators; import and export items were assembled from data supplied by the Department of Customs, and in the case of imports the figures given show the total quantity of coal imported during the year which is a different sum from the coal imported and cleared through Customs for consumption. In these tables, also, the tonnage of imported coal dumped at the ports of Fort William and Port Arthur has been included with the quantities cleared from Customs in the ports of Manitoba since most of the coal unloaded at the Canadian ports at the head of the lakes finds its way westward to points in Manitoba. In the chapters for Ontario and Manitoba separate tables have been made to show the quantities of coal received in each province.

From the tables, it appears that in 1924 Canada produced 13.64 million tons, exported 0.77 million tons, imported from the United States 16.51 million tons and from Great Britain 0.31 million tons and thus had available for consumption a total of 29.69 million tons including 4.18 million tons of anthracite, 21.33 million tons of bituminous, 3.59 million tons of lignite and 0.59 million tons of sub-bituminous coal. Perusal of the table on the annual consumption of coal following the summary tables shows that Canada actually used 29.25 million tons of coal during the year or an average of 3.171 tons per capita. The consumption of coal by locomotives has been compiled from the records of the Transportation Branch.

Table 22.—Summary Statistics for 1920-Output, Exports, Interprovincial Shipments, Imports and Coal made Available for Consumption in Canada, by Provinces

(Short tons)

Provinces	Canadian coal				Imported from U.S.A.	Coal available for consumption
	Output	Received from other provinces	Shipped to other provinces	Exported		
PRINCE EDWARD ISLAND—						
Anthracite.....					5,544	5,544
Bituminous.....		120,670		2	513	121,181
Total.....		120,670		2	6,057	120,725
NOVA SCOTIA—						
Anthracite.....					45,334	45,334
Bituminous.....	6,437,156	664	1,421,102	1,245,673	3,044	3,774,089
Total.....	6,437,156	664	1,421,102	1,245,673	48,378	3,819,423
NEW BRUNSWICK—						
Anthracite.....					57,859	57,859
Bituminous.....	171,610	1,045,771	38,911	113,050	936	1,066,356
Total.....	171,610	1,045,771	38,911	113,050	58,795	1,124,215
QUEBEC—						
Anthracite.....					1,544,456	1,544,456
Bituminous.....		280,880		1,372	3,503,410	3,782,918
Total.....		280,880		1,372	5,047,866	5,327,374
CENTRAL ONTARIO—						
Anthracite.....					2,945,782	2,945,782
Bituminous.....		12,028			10,373,324	10,385,352
Total.....		12,028			13,319,106	13,331,134
MANITOBA AND HEAD OF LAKES—						
Anthracite.....		1,356			313,191	314,547
Bituminous.....		259,695		721	2,007,126	2,266,100
Lignite.....		618,736				618,736
Total.....		879,787		721	2,320,317	3,199,383
SASKATCHEWAN—						
Anthracite.....		4,657			200	4,863
Bituminous.....		176,618		3,132	535	174,021
Lignite.....	335,222	1,138,600	151,018			1,322,804
Total.....	335,222	1,319,875	151,018	3,132	741	1,501,688
ALBERTA—						
Anthracite.....	127,513		11,072		517	116,958
Bituminous.....	3,419,147	9,278	366,568	3,106	607	3,059,358
Lignite.....	3,361,105	599	1,658,895			1,702,809
Total.....	6,907,765	9,877	2,036,535	3,106	1,121	4,879,125
BRITISH COLUMBIA—						
Anthracite.....		5,059			75	5,134
Bituminous.....	3,095,011	59,225	148,248	1,191,167	13,137	1,837,958
Lignite.....		51,978				51,978
Total.....	3,095,011	126,262	148,248	1,191,167	13,212	1,895,070
CANADA—						
Anthracite.....	127,513	11,072	11,072		4,912,964	5,040,477
Bituminous.....	13,122,924	1,974,829	1,974,829	2,558,233	15,902,632	26,467,333
Lignite.....	3,696,327	1,809,913	1,809,913			3,696,327
Total.....	16,946,764	3,795,814	3,795,814	2,558,233	20,815,596	35,204,137

Table 23.—Summary Statistics for 1921-Output, Exports, Interprovincial Shipments, Imports and Coal made Available for Consumption in Canada, by Provinces

(Short tons)

Provinces	Canadian coal				Imported from U.S.A.	Coal available for consumption
	Output	Received from other provinces	Shipped to other provinces	Exported		
PRINCE EDWARD ISLAND—						
Anthracite.....					6,043	6,043
Bituminous.....		72,084		2	238	72,320
Total.....		72,084		2	6,881	78,963
NOVA SCOTIA—						
Anthracite.....					62,245	62,245
Bituminous.....	5,734,928	241	1,459,422	727,787	1,875	3,519,835
Total.....	5,734,928	241	1,459,422	727,787	64,120	3,612,080
NEW BRUNSWICK—						
Anthracite.....					82,509	82,509
Bituminous.....	187,192	499,637	14,296	71,698	41,950	642,785
Total.....	187,192	499,637	14,296	71,698	124,459	725,294
QUEBEC—						
Anthracite.....					1,311,712	1,311,712
Bituminous.....		901,756		85	2,684,566	3,586,237
Total.....		901,756		85	3,996,278	4,897,949
CENTRAL ONTARIO—						
Anthracite.....					2,809,327	2,809,327
Bituminous.....				10	8,733,829	8,733,818
Total.....				10	11,543,155	11,543,145
MANITOBA AND HEAD OF LAKES—						
Anthracite.....		384			294,363	294,747
Bituminous.....		115,233		1,690	2,052,751	2,166,294
Lignite.....		572,483				572,483
Total.....		688,100		1,690	2,347,114	3,033,524
SASKATCHEWAN—						
Anthracite.....		3,033			254	3,287
Bituminous.....		150,470		2,633	2,127	149,964
Lignite.....	335,632	983,589	155,954			1,163,267
Total.....	335,632	1,137,092	155,954	2,633	2,381	1,316,518
ALBERTA—						
Anthracite.....	96,964		5,892		66	91,138
Bituminous.....	2,867,833	7,786	274,700	843	1,829	2,601,905
Lignite.....	2,944,420		1,454,023			1,490,397
Total.....	5,909,217	7,786	1,734,615	843	1,895	4,183,440
BRITISH COLUMBIA—						
Anthracite.....		2,475			251	2,726
Bituminous.....	2,890,291	58,248	65,694	1,182,496	17,081	1,717,430
Lignite.....		53,905				53,905
Total.....	2,890,291	114,628	65,694	1,182,496	17,332	1,774,061
YUKON—						
Bituminous.....	233	8,657		32	5	8,863
Total.....	233	8,657		32	5	8,863
CANADA—						
Anthracite.....	96,964	5,892	5,892		4,567,370	4,664,334
Bituminous.....	11,680,477	1,805,155	1,805,455	1,987,276	13,530,250	23,229,451
Lignite.....	3,280,052	1,609,977	1,609,977			3,280,052
Total.....	15,057,493	3,421,324	3,421,324	1,987,276	18,103,620	31,173,837

Table 24.—Summary Statistics for 1922-Output, Exports, Interprovincial Shipments, Imports and Coal made Available for Consumption in Canada, by Provinces

(Short tons)

Province	Canadian coal				Imported from U.S.A.	Imported from Great Britain	Coal available for consumption
	Output	Received from other provinces	Shipped to other provinces	Exported			
PRINCE EDWARD ISLAND—							
Anthracite.....					4,589		4,589
Bituminous.....		70,995			1,355		72,350
Total.....		70,995			5,944		76,939
NOVA SCOTIA—							
Anthracite.....					21,419	5,645	27,064
Bituminous.....	5,569,072	39	1,882,787	641,304	6,233	3,267	3,054,520
Total.....	5,569,072	39	1,882,787	641,304	27,652	8,912	3,081,584
NEW BRUNSWICK—							
Anthracite.....					40,252	19,420	59,672
Bituminous.....	287,513	403,742	63,067	66,460	61,222	19,131	642,081
Total.....	287,513	403,742	63,067	66,460	101,474	38,551	701,753
QUEBEC—							
Anthracite.....					789,447	152,517	941,964
Bituminous.....		1,454,214		55,275	1,316,669 (a)	609,591	3,325,199
Lignite.....		102					102
Total.....		1,454,316		55,275	2,106,116	762,108	4,267,265
CENTRAL ONTARIO—							
Anthracite.....					1,586,036	900	1,586,936
Bituminous.....		(b) 16,864		76	7,485,324	6,929	7,509,041
Total.....		16,864		76	9,071,360	7,829	9,095,977
MANITOTA AND HEAD OF LAKES—							
Anthracite.....		10			72,240		72,250
Bituminous.....		94,607		2,082	2,037,117		2,129,642
Lignite.....		625,487					625,487
Total.....		720,104		2,082	2,109,357		2,827,379
SASKATCHEWAN—							
Anthracite.....		796			231		1,027
Bituminous.....		147,209		5,040	1,484		143,653
Lignite.....	382,437	1,106,648	169,813				1,319,272
Total.....	382,437	1,254,653	169,813	5,040	1,715		1,463,952
ALBERTA—							
Anthracite.....	40,417		2,034				38,383
Bituminous.....	2,846,405	10,646	243,758	915	1,147		2,613,525
Lignite.....	3,104,089	588	1,636,498				1,468,179
Total.....	5,990,911	11,234	1,882,290	915	1,147		4,120,087
BRITISH COLUMBIA—							
Anthracite.....		1,228			35 (c)	1,226	2,489
Bituminous.....	2,927,033	38,172	46,876	1,047,430	13,462 (c)	504	1,884,865
Lignite.....		73,486					73,486
Total.....	2,927,033	112,886	46,876	1,047,430	13,497	1,730	1,960,840
YUKON—							
Bituminous.....	465				32		497
Total.....	465				32		497
CANADA—							
Anthracite.....	40,417	2,034	2,034		2,514,249	179,708	2,734,374
Bituminous.....	11,630,488	2,236,488	2,236,488	1,818,582	10,924,045	639,422	21,775,373
Lignite.....	3,486,526	1,806,311	1,806,311				3,486,526
Total.....	15,157,431	4,044,833	4,044,833	1,818,582	13,438,294	819,130	27,596,273

(a) Includes 75 tons imported from Other Countries.

(b) Maritime coal.

(c) Imported from Other Countries.

Table 25.—Summary Statistics for 1923—Output, Exports, Interprovincial Shipments, Imports and Coal made Available for Consumption in Canada, by Provinces

(Short tons)

Province	Canadian coal				Imported from U.S.A.	Imported from Great Britain	Coal available for consumption
	Output	Received from other provinces	Shipped to other provinces	Exported			
PRINCE EDWARD ISLAND—							
Anthracite.....					4,303		4,303
Bituminous.....		82,417			1,263		83,680
Total.....		82,417			5,566		87,983
NOVA SCOTIA—							
Anthracite.....					35,169	18,570	53,739
Bituminous.....	6,597,838		2,179,061	679,771	44,426	7,871	3,791,303
Total.....	6,597,838		2,179,061	679,771	79,595	26,441	3,845,042
NEW BRUNSWICK—							
Anthracite.....					54,556	35,787	90,343
Bituminous.....	276,617	563,598	32,113	115,364	78,842	23,440	795,020
Total.....	276,617	563,598	32,113	115,364	133,398	59,227	885,363
QUEBEC—							
Anthracite.....					1,611,351	205,058	1,816,409
Bituminous.....		1,540,284			3,922,991	237,498	4,700,770
Total.....		1,540,284			4,534,342	442,556	6,517,179
CENTRAL ONTARIO—							
Anthracite.....					3,059,964	2,244	3,062,208
Bituminous.....		24,875		877	11,717,298		11,742,173
Lignite.....		51,331					51,331
Sub-bituminous.....		1,560					1,560
Total.....		77,766		877	14,777,262	2,244	14,856,395
MANITOBA AND HEAD OF LAKES—							
Anthracite.....					138,414		138,414
Bituminous.....		22,269		8,213	2,462,838		2,476,894
Lignite.....		701,615					701,615
Sub-bituminous.....		61,064					61,064
Total.....		784,948		8,213	2,601,252		3,377,987
SASKATCHEWAN—							
Anthracite.....					2,291		2,291
Bituminous.....		101,830		11,510	1,607		91,917
Lignite.....	438,100	1,120,447	219,937				1,358,610
Sub-bituminous.....		29,275					29,275
Total.....	438,100	1,251,542	219,937	11,510	3,898		1,462,093
ALBERTA—							
Anthracite.....	107						107
Bituminous.....	3,243,803	18,054	103,290	605	1,110		3,159,072
Lignite.....	3,143,935		1,724,456				1,419,539
Sub-bituminous.....	466,492		106,340				360,152
Total.....	6,854,397	18,054	1,934,086	605	1,110		4,938,870
BRITISH COLUMBIA—							
Anthracite.....					174		174
Bituminous.....	2,823,306	23,298	62,151	838,017	17,918	1	1,964,355
Lignite.....		71,000			2,331		73,331
Sub-bituminous.....		14,441					14,441
Total.....	2,823,306	108,739	62,151	838,017	20,423	1	2,052,301
YUKON—							
Bituminous.....	313			46	5		272
Total.....	313			46	5		272
CANADA—							
Anthracite.....	107				4,906,222	261,659	5,167,988
Bituminous.....	12,941,877	2,376,615	2,376,615	1,654,406	17,248,298	268,810	28,804,579
Lignite.....	3,582,095	1,944,303	1,944,393		2,331		3,584,426
Sub-bituminous.....	466,492	106,340	106,340				466,492
Total.....	16,990,571	4,427,348	4,427,348	1,654,406	22,156,851	530,469	38,023,485

*Includes all coal shipped to any point in Ontario from Western Mines.

Table 26.—Summary Statistics for 1924—Output, Exports, Interprovincial Shipments, Imports and Coal made Available for Consumption in Canada, by Provinces

(Short tons)

Province	Canadian coal				Imported from U.S.A.	Imported from Great Britain	Coal available for consumption
	Output	Received from other provinces	Shipped to other provinces	Exported			
PRINCE EDWARD ISLAND—							
Anthracite.....					3,571		3,571
Bituminous.....		65,342			3,597		68,939
Total.....		65,342			7,168		72,510
NOVA SCOTIA—							
Anthracite.....					37,616	12,461	50,077
Bituminous.....	5,557,441		2,161,729	341,307	67,168	246	3,121,819
Total.....	5,557,441		2,161,729	341,307	104,784	12,707	3,171,896
NEW BRUNSWICK—							
Anthracite.....					58,932	25,579	84,511
Bituminous.....	217,121	451,652	22,302	31,019	72,537	15	688,004
Total.....	217,121	451,652	22,302	31,019	131,469	25,594	772,515
QUEBEC—							
Anthracite.....					1,090,571	229,142	1,319,713
Bituminous.....		1,655,767		9,005	1,525,516	39,842	3,212,120
Total.....		1,655,767		9,005	2,616,087	268,984	4,531,833
CENTRAL ONTARIO—							
Anthracite.....					2,591,710	8,095	2,599,805
Bituminous.....		11,280			8,833,935		8,845,215
Lignite.....		16,239					16,239
Sub-bituminous.....		558					558
Total.....		28,077			11,425,645	8,095	11,461,817
MANITOBA AND HEAD OF LAKES—							
Anthracite.....					123,510		123,510
Bituminous.....		10,335		3,617	2,047,522		2,054,240
Lignite.....		665,935					665,935
Sub-bituminous.....		61,807					61,807
Total.....		738,077		3,617	2,171,032		2,905,492
SASKATCHEWAN—							
Anthracite.....					1,720		1,720
Bituminous.....		75,153		4,728	2,422		72,847
Lignite.....	479,118	1,084,259	223,737		139		1,339,779
Sub-bituminous.....		54,789					54,789
Total.....	479,118	1,214,201	223,737	4,728	4,281		1,469,135
ALBERTA—							
Bituminous.....	1,514,382	22,375	82,506	435	1,209		1,455,025
Lignite.....	3,085,179	1,110	1,617,614				1,468,675
Sub-bituminous.....	590,168		128,646				461,522
Total.....	5,189,729	23,485	1,828,766	435	1,209		3,385,222
BRITISH COLUMBIA—							
Anthracite.....					687		687
Bituminous.....	2,193,667	25,622	50,989	383,135	23,256 (a)	1,793	1,810,214
Lignite.....		73,808			28,763		99,571
Sub-bituminous.....		11,492					11,492
Total.....	2,193,667	110,922	50,989	383,135	49,706	1,793	1,921,964
YUKON—							
Anthracite.....							
Bituminous.....	1,121				24		1,145
Total.....	1,121				24		1,145
CANADA—							
Anthracite.....					3,908,317	275,277	4,183,594
Bituminous.....	9,483,732	2,317,526	2,317,526	773,246	12,577,186 (a)	41,896	21,329,508
Lignite.....	3,564,297	1,841,351	1,841,351		25,902		3,590,199
Sub-bituminous.....	590,168	128,646	128,646				590,168
Total.....	13,638,197	4,287,523	4,287,523	773,246	16,511,405 (a)	317,173	29,693,529

*Includes all coal shipped to any point in Ontario from Western Mines.
(a) Includes 1,793 tons imported from Other Countries.

Table 27.—Annual Consumption of Coal in Canada, 1903-1924

(Short tons)

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	%		
1903.	6,005,735	52.2					5,491,870	47.8	11,507,605	2.005
1904.	6,697,183	49.2					6,909,651	50.8	13,606,834	2.346
1905.	7,032,661	48.9					7,343,880	51.1	14,376,541	2.362
1906.	7,927,560	51.7					7,398,906	48.3	15,326,466	2.425
1907.	8,617,352	45.0					10,549,503	55.0	19,166,855	2.947
1908.	9,156,478	47.3					10,195,424	52.7	19,351,902	2.820
1909.	8,913,376	47.9					9,711,826	52.1	18,625,202	2.682
1910.	10,532,103	50.2	Data not compiled separately prior to 1919				10,438,123	49.8	20,970,226	2.960
1911.	9,822,749	40.5					14,424,949	59.5	24,247,698	3.365
1912.	12,385,696	46.0					14,549,104	54.0	26,934,800	3.657
1913.	13,450,158	42.6					18,132,387	57.4	31,582,545	4.196
1914.	12,244,403	45.5					14,637,920	54.5	26,882,323	3.490
1915.	11,500,480	48.1					12,406,212	51.9	23,906,792	3.041
1916.	12,348,036	41.3					17,517,820	58.7	29,865,856	3.717
1917.	12,313,603	37.2					20,810,132	62.8	33,123,735	4.049
1918.	13,160,731	37.8					21,611,101	62.2	34,771,832	4.175
1919.	11,611,168	40.2					17,292,913	59.8	344	17,293,257	59.8	28,904,425	3.409
1920.	14,025,566	42.8	18,752,981	57.2	.....	*18,753,542	57.2	32,779,108	3.797	
1921.	12,715,734	41.0	18,300,081	59.0	1,501	*18,302,082	59.0	31,017,796	3.529	
1922.	13,044,352	50.0	12,255,555	47.0	765,980	*18,023,525	50.0	26,067,877	2.915	
1923.	15,070,962	41.8	20,417,239	56.7	572,570	*20,989,953	58.2	36,060,915	3.970	
1924.	12,529,358	42.8	16,405,344	56.1	317,112	*16,724,770	57.2	29,254,137	3.171	

† 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 United States.

Table 28.—Annual Consumption of Coal by Railroad Locomotives in Canada, 1915-1924

(Compiled in the Transportation Branch)

	Anthracite		Bituminous		Total	
	Short tons	Value	Short tons	Value	Short tons	Value
Year ended June 30, 1915.....	3,691		6,673,845		6,677,536	
" " 30, 1916.....	4,899		8,672,455		8,677,354	
" " 30, 1917.....	4,900		9,783,524		9,788,424	
" " 30, 1918.....	3,283		9,836,623		9,839,906	
" " 30, 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	49,661,524

Prices.—Two tables of prices have been prepared, one showing for the past two years the prices at the mine for Canadian coal and the other showing the average retail price of coal. The mine quotations were furnished by the coal operators; the data given show the average of the highest quotations reported by districts, and a similar average of the lowest quotations. Prices for each grade of coal sold are tabulated. The yearly average retail prices of coal for each of the principal municipalities in Canada were compiled in the Internal Trade Branch from dealer's returns for the past three years. In this table the arrangement of the names is geographical so that the differences in prices due to variations in rail haul have been equalized as nearly as possible.

Table 29.—Average Price per Short Ton of Canadian Coal at the Mine by Grades for each District and Province, 1923 and 1924

District	Run-of-Mine				Screened				Slack			
	Highest		Lowest		Highest		Lowest		Highest		Lowest	
	1923	1924	1923	1924	1923	1924	1923	1924	1923	1924	1923	1924
	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.
NOVA SCOTIA—												
Cape Breton.....	5 02	4 46	4 06	3 79	6 02	6 07	5 20	5 35	4 15	2 94	3 06	2 67
Cumberland.....	4 95	4 20	4 21	3 88	5 69	5 11	5 13	4 70	2 98	2 38	2 24	2 01
Inverness.....	5 35	5 58	4 35	4 70	6 03	6 06	5 80	6 50	2 23	2 50	1 12	1 50
Pictou.....	5 19	5 46	4 37	4 05	6 35	6 40	5 32	5 33	4 59	4 63	3 82	3 75
Average.....	5 05	4 62	4 22	3 98	5 90	5 50	5 24	4 97	3 45	2 75	2 62	2 27
NEW BRUNSWICK.....	4 33	4 47	3 75	3 97	5 48	4 80	4 91	4 04	2 71	2 49	2 22	2 12
SASKATCHEWAN.....	2 26	2 19	2 04	1 99	2 72	2 54	2 37	2 24	0 96	1 25	0 63	0 72
ALBERTA—												
Anthracite—												
Banff.....	8 50		5 08		9 55		9 55		2 84		2 84	
Bituminous—												
Brazeau.....	5 25	3 00	4 00	3 00		4 68		4 68				
Cannmore.....	6 50	5 75	4 01	4 82	8 25	8 25	3 81	3 81	5 25	3 72	3 72	3 60
Crow's Nest Pass.....	5 51	5 13	4 16	4 09	7 14	6 66	6 50	6 49	5 08	4 78	4 13	3 93
Jasper Park.....	4 85	5 50	4 85	4 60								
Mountain Park.....	5 42	4 92	4 00	3 75		4 38		3 71				
Average bituminous.....	5 50	5 00	4 23	4 03	7 36	6 04	5 96	5 23	5 12	4 52	4 03	3 85
Sub-bituminous—												
Calgary.....	3 00	3 00	3 00	3 00		4 50		4 50				
High River.....	3 63	3 47	3 23	3 47		5 00		5 00				
Pincher Creek.....	3 02	3 71	3 46	3 09	5 00	4 37	4 50	3 87	1 38	1 00	1 00	1 00
Saunders.....	5 19	5 00	5 06	4 41	7 07	6 33	6 54	5 28	2 90	3 00	2 10	1 70
Yellowhead Pass.....	3 41	3 48	2 89	2 99	5 04	5 32	3 99	3 88	1 23	1 32	1 01	1 10
Average sub-bituminous.....	3 86	3 67	3 43	3 22	5 76	5 16	5 01	4 27	1 83	1 48	1 38	1 16
Lignite—												
Aldersyde.....	4 20	4 80	3 85	3 65	4 75	4 62	4 50	4 12	1 50	1 67	1 50	1 67
Battle River.....	2 80	2 78	2 23	2 62		2 75		2 26	1 13	1 30	1 13	1 30
Big Valley.....	3 17	3 36	2 97	3 12	3 94	4 09	3 30	3 33	0 50	1 37	0 38	1 12
Bow Island.....	3 60	3 15	3 25	2 95	3 93	3 58	3 48	3 00	2 50	1 12	2 50	1 12
Brooks.....	3 83	3 60	3 50	3 50	4 25	4 00	4 00	4 00	2 00		2 00	
Camrose.....	2 83	2 66	2 14	2 17	3 71	3 80	2 41	2 88	0 77	0 63	0 45	0 49
Carbon.....	3 87	3 92	3 44	3 42	4 76	4 12	2 50	3 38	1 15	0 59	0 50	0 50
Cardiff.....	2 50	2 50	1 70	1 58	2 55	3 50	1 65	2 63	0 50	0 63	0 50	0 50
Clover Bar.....	2 00	2 50	2 25	2 02	4 00	4 23	2 12	2 32	0 90	0 87	0 40	0 47
Drumheller.....	4 00	3 50	3 38	3 00	5 00	4 86	3 10	3 35	0 85	0 86	0 40	0 44
Edmonton.....	2 00	3 50	2 00	2 75	5 15	4 35	2 10	3 00	0 85	0 85	0 50	0 40
Gleichen.....	3 90	3 37	3 30	3 25	5 00	5 00	5 00	3 33				
Hanna.....	2 61	2 68	2 40	2 62	3 21	3 12	2 56	2 63	0 64	1 25	0 54	0 75
Lacombe.....	2 73	2 68	2 67	2 63	2 81	3 43	2 63	2 89	1 00	1 00	1 00	1 00
Lethbridge.....	3 91	4 08	3 25	4 03	5 12	5 48	3 76	4 08	0 86	1 06	0 46	0 74
Magrath.....	4 00	4 00	4 00	4 00	4 33	4 00	4 33	4 00				
Medicine Hat.....	2 75	3 10	2 59	2 70	3 87	4 08	2 62	3 33	1 00		1 00	
Milk River.....	4 00	3 97	3 90	3 83	4 75	4 50	4 06	4 50	0 75	0 75	0 75	0 75
Numao.....	3 25	2 75	3 25	2 90	3 75	4 00	3 75	1 00	0 50	0 75	0 30	0 50
Peace River.....	2 75	3 25	2 75	2 08	4 00	4 00	4 00	4 00				
Pembina.....	4 09	2 75	3 83	2 00	4 60	4 25	4 20	1 00	1 05	0 65	1 05	0 40
Rosedale.....	3 45	3 57	3 26	3 50	5 06	5 00	3 93	3 80	0 50	0 60	0 30	0 48
Strathcona.....	3 16	2 24	3 16	2 07	3 20	3 21	2 50	3 03	1 00	0 40	0 95	0 40
Taber.....	3 88	3 90	3 75	3 68	4 59	4 33	3 64	3 28	0 87	1 25	0 62	0 72
Three Hills.....	3 10	3 25	3 12	2 78	4 28	4 12	3 50	2 82	0 58	0 67	0 51	0 63
Tofield.....	2 00	1 75	1 50	1 70	3 17	3 33	2 67	2 83	1 62	1 33	1 25	1 33
Trochu.....	3 34	2 89	2 93	2 75	4 15	3 84	3 10	3 50	2 00	0 90	2 00	0 35
Wabamun.....	3 00	2 50	2 00	2 25	4 40	2 67	1 75	1 29	1 00	0 76	0 35	0 52
Wayne.....	4 73	4 16	4 32	3 80	5 25	4 67	4 12	4 16	1 02	0 96	0 51	0 63
Average lignite.....	3 24	3 17	2 91	2 89	4 25	4 09	3 20	3 19	0 91	0 94	0 62	0 66
Average for Alberta.....	3 46	3 37	3 06	3 01	4 49	4 28	3 46	3 39	1 20	1 14	0 87	0 87
BRITISH COLUMBIA—												
Crow's Nest Pass.....	5 38	4 89	4 10	3 57	6 33	6 19	5 93	5 55	4 63	4 91	3 88	3 75
Inland.....	4 13	4 81	3 72	4 31	6 60	6 10	5 33	5 15	4 31	3 56	3 69	3 43
Island.....		4 75		4 75	7 02	7 63	6 30	5 79	3 84	4 04	3 58	3 47
Average.....	4 45	4 81	3 81	4 23	6 73	6 88	5 83	5 53	4 12	4 12	3 67	3 52
YUKON.....					5 00	17 00	5 00	5 00	1 00		1 00	
Canada.....	3 46	3 38	3 05	3 02	4 50	4 39	3 59	3 51	1 64	1 57	1 24	1 22

Table 30.—Yearly Average Retail Prices of Coal in Canada by Principal Municipalities, 1922-1924

(Compiled in the Internal Trade Branch)

Province and Municipality	Anthracite			Bituminous		
	1922	1923	1924	1922	1923	1924
	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.
NOVA SCOTIA—						
Amherst.....	19 00		17 00	8 82	8 98	8 96
Halifax.....	17 14	17 05	16 21	9 59	9 66	9 83
Truro.....			17 50	10 55	10 25	9 68
PRINCE EDWARD ISLAND—						
Charlottetown.....	18 00	18 24	16 92	8 26	9 24	9 27
NEW BRUNSWICK—						
Bathurst.....	22 00	19 50	18 38	10 39	10 82	11 00
Fredericton.....	18 09	17 80	17 29	9 13	10 49	10 01
Moncton.....	19 00	19 00	17 71	10 70	9 43	10 46
St. John.....	16 57	16 71	15 37	11 21	10 25	9 64
QUEBEC—						
Hull.....	16 44	16 62	16 25	12 90	12 17	11 00
Montreal.....	16 78	16 96	15 74	9 45	9 43	7 83
Quebec.....	17 81	17 99	16 09	11 42	12 27	8 16
St. Hyacinthe.....	15 47	16 27	14 97	11 58	11 50	8 57
St. John.....	15 76	16 63	15 05	11 73	11 15	9 22
Sherbrooke.....	16 93	16 99	16 20		10 45	10 00
Sorel.....	16 36	16 10	14 83	11 06	10 33	9 23
Three Rivers.....	16 51	16 43	15 19	10 62	10 51	9 35
ONTARIO—						
Belleville.....	15 98	16 42	10 10	10 70	8 73	9 69
Brantford.....	15 73	17 05	15 86	11 65	11 15	8 70
Brockville.....	15 98	16 18	16 13	10 45	9 34	8 65
Chatham.....	16 24	17 57	15 83	12 79	12 08	10 67
Fort William.....	18 25	19 12	17 98	10 65	9 45	7 54
Galt.....	15 81	17 21	15 88	11 73	9 75	8 90
Guelph.....	15 83	16 99	15 44	12 16	11 51	9 54
Hamilton.....	15 65	16 47	15 70	9 15	7 90	7 50
Kingston.....	16 61	16 46	16 26	10 64	10 21	8 58
Kitchener.....	16 11	16 96	15 88	11 43	11 70	8 84
London.....	16 52	17 71	16 67	9 25	8 96	9 00
Niagara Falls.....	14 84	15 56	14 83	10 53	10 17	9 00
Orillia.....	16 79	16 78	16 44	12 03	10 86	9 42
Ottawa.....	16 44	17 17	16 25	11 01	10 55	9 67
Owen Sound.....	16 53	16 61	15 71	10 35	11 23	8 25
Peterborough.....	16 33	16 85	16 01	12 93	10 67	8 83
Port Arthur.....	17 96	19 02	18 13	12 22	10 96	8 35
St. Catharines.....	15 49	16 81	15 41	12 90	11 60	10 33
St. Thomas.....	16 58	17 74	16 69	12 68	11 26	11 85
Sault Ste. Marie.....	17 41	18 12	15 94	11 07	10 99	7 58
Stratford.....	16 27	16 84	16 14	12 78	11 78	9 77
Toronto.....	15 65	15 99	15 38	10 92	10 25	8 29
Windsor.....	16 67	17 45	16 32	11 46	10 83	8 70
Woodstock.....	15 76	16 77	15 32	10 70	11 50	10 06
MANITOTA—						
Brandon.....	22 56	23 54	22 17	13 90	13 70	12 14
Winnipeg.....	21 36	21 02	19 89	12 05	12 12	10 49
SASKATCHEWAN—						
Moose Jaw.....	18 45	23 75	23 00	12 21	11 78	11 19
Prince Albert.....			21 50	11 20	12 25	11 50
Regina.....	25 16	25 15	23 76	11 85	12 19	11 49
Saskatoon.....	25 80	25 75	24 67	11 16	12 35	10 37
ALBERTA—						
Calgary.....	13 98			9 35	9 30	8 23
Edmonton.....						5 23
BRITISH COLUMBIA—						
Nelson.....	17 00			12 78		11 73
New Westminster.....				10 37	11 91	11 38
Prince Rupert.....				11 83	12 20	11 54
Trail.....				12 64	11 75	
Vancouver.....	20 62			9 20	10 17	11 48
Victoria.....				9 85	10 27	11 81

Employment.—Owing largely to labour troubles in the western coal mines, the average number of employees on Canadian coal mine staffs in 1924 dropped to 27,183 as compared with an average of 32,046 for the preceding year. Salaries and wages showed a fall of more than 11 million dollars to \$35,123,490 as compared with \$46,215,712 in 1923. In the eastern provinces, employment showed little variation in trend during 1924 in comparison with the records for previous years. But in the western area, due more particularly to the disturbed conditions prevailing in Alberta coal-mine labour circles there was a distinctly downward trend in employment from the beginning of the year till April; during the next four months employment remained at the lowest level recorded in several years but in August and September there was some improvement and in the next three months, the number employed in this industry rose to the highest point for the year. The fluctuations in coal-mine employment as shown in the dominion total, corresponded almost exactly with the changes observed in employment in the western mines. In Nova Scotia, the average number employed during the year dropped to 12,994 as compared with 14,119 on the rolls in 1923; Alberta's average was only 7,783 as against 10,592 in the preceding year; British Columbia showed less loss at 5,203 as compared with 6,148 in the preceding year.

Closely related in point of interest to the number of employees, are the data concerning the number of days' work done and the wages paid. In 1924, excluding the salaried employees, there were 25,708 men working in the coal mines of Canada; of these 5,995 worked on the surface and 19,713 underground. Surface men worked on the average 257 days during the year; underground men, 210 days. This number divided into the total sum of wages paid during the year, showed an average earning power per man of \$5.62 per working day. In 1923, the average computed on the same basis was \$5.57 per day and in 1922 it was \$5.18.

Table 31.—Number of Employees, Salaries and Wages paid in the Coal Mines in Canada, by Provinces, 1923

Province	Average number of employees					Salaries and wages		
	Salaried employees		Wage-earners		Total	Salaries	Wages	Total
	Male	Female	Surface	Under-ground				
Nova Scotia.....	679	55	2,823	10,562	14,119	\$ 1,418,535	\$ 15,325,830	\$ 16,744,365
New Brunswick.....	28	3	178	434	643	66,768	749,395	816,163
Saskatchewan.....	34	3	126	379	542	69,011	529,383	598,394
Alberta.....	646	29	2,719	7,198	10,592	1,618,042	16,749,909	18,367,951
British Columbia.....	246	23	1,729	4,150	6,148	721,366	8,966,473	9,687,839
Yukon.....			1	1	2		1,000	1,000
Canada.....	1,633	113	7,576	22,724	32,046	3,893,722	42,321,990	46,215,712

Table 32.—Number of Employees, Salaries and Wages Paid in the Coal Mines in Canada, by Provinces, 1924

Province	Average number of employees					Salaries and wages		
	Salaried employees		Wage-earners		Total	Salaries	Wages	Total
	Male	Female	Surface	Under-ground				
Nova Scotia.....	467	27	2,314	10,186	12,994	\$ 905,196	\$ 12,449,708	\$ 13,354,904
New Brunswick.....	26	3	162	446	637	64,676	583,749	648,425
Saskatchewan.....	41	4	115	404	564	67,531	501,404	568,935
Alberta.....	598	22	1,975	5,188	7,783	1,489,215	11,008,916	12,498,131
British Columbia.....	265	22	1,428	3,488	5,203	671,701	7,379,084	8,050,785
Yukon.....			1	1	2		2,310	2,310
Canada.....	1,397	78	5,995	19,713	27,183	3,193,319	31,925,171	35,123,490

Table 33.—Employment and Earnings in the Coal Mines of Canada 1921-1924

	1921	1922	1923	1924
Average number of wage earners—				
(I) Surface.....	7,937	7,714	7,576	5,995
(II) Underground.....	22,286	22,382	22,724	19,713
Total.....	30,223	30,096	30,300	25,708
Days work done—				
(I) Surface.....	2,026,409	1,995,208	2,113,431	1,542,315
(II) Underground.....	4,872,230	4,908,836	5,481,039	4,138,827
Total.....	6,898,639	6,904,044	7,594,470	5,681,142
Average number of days worked per man per year—				
(I) Surface.....	254	250	279	257
(II) Underground.....	219	219	241	210
Total.....	228	229	250	221
Total wages paid.....	\$42,759,471	\$35,773,001	\$42,321,090	\$31,925,171
Average wage earned per man per day.....	\$6 20	\$5 18	\$5 57	\$5 62

Table 34.—Number of Wage-Earners in the Coal Mines of Canada by Months and by Provinces, 1920-1924

Month and Year	Nova Scotia	New Brunswick	Saskatchewan	Alberta	British Columbia	Yukon	Canada
January..... 1920	12,281	326	537	11,759	6,301		31,204
1921	13,147	412	530	12,014	6,730		32,833
1922	10,988	642	589	11,744	6,525		30,488
1923	13,575	634	619	12,384	6,587		33,799
1924	13,144	603	728	12,047	5,978		32,500
February..... 1920	12,690	371	403	9,952	6,295		29,711
1921	12,788	410	484	11,362	6,069		31,173
1922	17,951	623	555	11,022	6,588		36,739
1923	13,449	657	589	11,544	6,534		32,773
1924	12,928	621	636	11,234	6,023		31,442
March..... 1920	12,781	429	385	8,155	6,089		27,839
1921	13,223	356	436	9,251	6,488		29,754
1922	23,161	649	487	9,871	6,514		40,632
1923	13,692	646	546	10,083	6,300		31,267
1924	13,253	649	537	9,614	5,682		29,735
April..... 1920	12,700	342	364	7,019	5,987		26,412
1921	12,000	354	392	8,384	6,517		27,647
1922	12,314	526	383	3,295	4,996		21,514
1923	13,580	668	432	8,624	6,074		29,378
1924	13,371	622	420	2,650	4,350		21,413
May..... 1920	13,013	359	252	7,830	5,829		27,283
1921	11,850	409	308	7,069	6,426		26,122
1922	12,733	555	338	3,518	5,083		22,227
1923	13,569	598	371	7,821	5,627		27,966
1924	13,051	629	376	2,758	4,260		21,074
June..... 1920	12,686	340	246	8,464	5,799		27,537
1921	12,301	411	343	7,711	6,413	3	27,772
1922	12,271	586	342	3,679	5,033		21,911
1923	13,487	615	360	8,133	5,448		28,043
1924	12,721	612	380	2,978	4,205		20,896
July..... 1920	12,680	369	357	8,654	5,951		28,011
1921	12,743	470	309	8,639	6,612	3	28,776
1922	12,870	580	342	3,739	5,170		22,761
1923	12,588	628	350	8,450	5,425		27,441
1924	11,587	624	327	2,870	4,234	6	19,657
August..... 1920	12,522	545	357	9,246	6,153		28,823
1921	12,654	491	305	9,907	6,701	3	30,061
1922	13,087	619	325	8,075	6,579		28,685
1923	13,255	624	361	9,084	5,586		28,910
1924	11,476	570	336	3,716	4,227	6	20,231

Table 34—Number of Wage-Earners in the Coal Mines of Canada by Months and by Provinces, 1920-1924—Concluded

Month and Year	Nova Scotia	New Brunswick	Saskatchewan	Alberta	British Columbia	Yukon	Canada
September.....1920	12,648	515	292	9,775	6,228		29,458
1921	12,928	473	357	10,473	6,861		31,092
1922	12,973	647	388	11,700	6,808	2	32,518
1923	13,393	553	402	9,686	5,647	2	29,683
1924	11,753	585	386	4,911	4,314	6	21,955
October.....1920	15,028	532	481	10,521	6,158		32,720
1921	12,891	487	481	11,402	7,030		32,291
1922	13,253	650	534	13,158	6,746		34,341
1923	13,516	551	599	10,693	5,696		31,058
1924	12,199	577	574	10,078	5,180		28,608
November.....1920	13,282	525	632	12,036	6,375		32,850
1921	12,923	573	621	12,067	6,995		33,179
1922	13,679	651	642	13,383	6,815		35,170
1923	13,209	565	748	11,203	5,819		31,544
1924	12,317	598	757	11,090	5,039		29,801
December.....1920	15,369	640	596	12,277	6,653		35,535
1921	11,968	539	590	11,945	6,894		31,936
1922	13,527	593	599	12,604	6,855		31,178
1923	13,318	611	692	11,310	5,825		31,756
1924	12,201	613	766	12,008	5,503		31,091
Average.....1920	13,110	441	409	9,641	6,152		29,782
1921	12,626	419	435	10,019	6,683	1	30,223
1922	13,068	611	460	8,815	6,140	2	30,096
1923	13,385	612	505	9,917	5,879	2	30,300
1924	12,500	608	519	7,163	4,516	2	25,708

Table 35.—Number of Wage-Earners, Work Done by Months, and Wages Paid in the Coal Mines of Canada, 1924

Month	Number of Employees			Days' work done		
	Surface	Under-ground	Total	Surface	Under-ground	Total
1924						
January.....	7,568	24,932	32,500	161,056	427,142	588,198
February.....	7,371	24,071	31,442	143,541	351,419	494,960
March.....	6,971	22,764	29,735	156,037	447,179	603,216
April.....	5,054	16,359	21,413	114,766	329,682	444,448
May.....	4,997	16,077	21,074	103,122	253,774	356,896
June.....	4,907	15,989	20,896	105,141	264,899	370,040
July.....	4,588	15,069	19,657	96,707	259,716	356,423
August.....	4,846	15,485	20,331	111,386	248,492	359,878
September.....	5,259	16,696	21,955	109,710	289,903	399,613
October.....	6,629	21,979	28,608	137,387	394,239	531,626
November.....	6,744	23,057	29,801	149,827	441,268	591,115
December.....	7,009	24,082	31,091	153,635	431,094	584,729
Total.....				1,542,815	4,128,827	5,681,142

Table 36.—Average Number of Wage-Earners, in the Coal Mines of Canada, by Classes and by Provinces, 1923

Classification	Province						Canada		
	Nova Scotia	New Brunswick	Saskatchewan	Alberta	British Columbia	Yukon	Surface	Under-ground	Total
SURFACE—									
Administration.....	100	11	11	138	33		242	51	293
Foremen and clerks.....	184	20	18	245	136		599	23	623
Screenmen and loaders.....	662	30	28	612	185		1,514	3	1,517
UNDERGROUND—									
Officials.....	447	4	8	313	182		16	838	954
Hand cutters and helpers.....	1,851	422	266	2,755	2,060	1	66	7,289	7,355
Machine cutters.....	1,422		5	393	46			1,866	1,866
Machine loaders and helpers.....	1,601	1	11	1,258	54		2	2,926	2,928
Horse haulage employees.....	820	5	45	802	431		38	2,074	2,112
Mechanical haulage employees.....	1,541		9	398	418		71	2,295	2,366
Ventilation employees.....	422			124	68		10	604	614
Roadmakers.....	292		11	228	93		4	620	624
Timbermen.....	670	15	13	395	201		22	1,272	1,294
Pumpmen.....	180	6	10	62	38		12	264	276
MISCELLANEOUS—									
Engineers.....	259	14	11	185	85		533	14	547
Firemen.....	262	3	12	154	69		500		500
Machinists.....	278	2	3	99	93		468	7	475
Carpenters and masons.....	118	4	6	99	97		353	1	354
Other mechanics.....	254	1	3	173	165		418	174	596
All other white employees.....	2,007	74	35	1,484	836	1	2,416	2,021	4,437
Japanese.....					68		5	63	68
Chinese.....					519		306	213	519
Indians.....					2			2	2
Total.....	13,385	612	585	9,917	5,879	2	7,576	22,724	30,300

Table 37.—Average Number of Wage-Earners, in the Coal Mines of Canada, by Classes and by Provinces, 1924

Classification	Province						Canada		
	Nova Scotia	New Brunswick	Saskatchewan	Alberta	British Columbia and Yukon	Yukon	Surface	Under-ground	Total
SURFACE—									
Administration.....	91	13	11	124	31		227	43	270
Foremen and clerks.....	157	24	19	200	118		494	24	518
Screenmen and loaders.....	601	35	37	462	155		1,296	4	1,299
UNDERGROUND—									
Officials.....	422	2	7	298	151		18	862	880
Hand cutters and helpers.....	1,909	429	284	1,905	1,554	2	21	6,062	6,083
Machine cutters.....	1,433	4	10	308	46			1,801	1,801
Machine loaders and helpers.....	1,645	1	23	1,084	88		2	2,839	2,841
Horse haulage employees.....	822	3	47	559	372		30	1,773	1,803
Mechanical haulage employees.....	1,521	3	207	335	335		31	2,035	2,066
Ventilation employees.....	343		1	70	67		4	477	481
Roadmakers.....	301		12	118	67		2	526	528
Timbermen.....	608	11	1	253	139		13	1,002	1,015
Pumpmen.....	132	5	7	48	37		14	215	229
MISCELLANEOUS—									
Engineers.....	243	11	13	157	79		477	26	503
Firemen.....	202	3	11	104	52		372		372
Machinists.....	256	2	2	63	75		395	3	398
Carpenters and masons.....	111	4	4	62	79		258	2	260
Other mechanics.....	222	3	2	96	119		293	119	412
All other white employees.....	1,481	58	22	1,015	736		1,752	1,569	3,312
Japanese.....					116		1	116	116
Chinese.....					497		305	192	497
Indians.....					3			3	3
Total.....	12,590	608	519	7,163	4,916	2	5,995	19,712	25,708

Power.—Annual returns received from the coal operators show certain details regarding the number of units and the rating of motive equipment installed for the operation of coal mines. Compilations of these have been made for the past two years.

Table 38.—Power Employed in the Coal Mines of Canada, by Provinces, 1923

	Nova Scotia		New Brunswick		Saskatchewan		Alberta		British Columbia		Canada	
	No. of units	Total H.P. rated	No. of units	Total H.P. rated	No. of units	Total H.P. rated	No. of units	Total H.P. rated	No. of units	Total H.P. rated	No. of units	Total H.P. rated
Stationary engines (including those used for hoisting, pumping, etc.):—												
Steam engines and turbines.....	237	71,659	15	522	34	1,541	315	34,501	108	19,534	709	127,757
Gas engines.....	2	10			2	9	30	156			34	175
Oil and gasoline engines.....	1	16			1		17	92			19	111
Hydraulic turbines or water wheels.....									2	12,000	2	12,000
Electric motors:—												
Operated by power generated by the establishment.....	329	24,660	8	160	26	641	232	7,988	126	3,761	721	37,210
Operated by purchased power.....	49	1,439			2	13	212	8,139			263	9,591
Boilers installed.....	102	B.H.P. 20,715	7	B.H.P. 505	11	B.H.P. 950	195	B.H.P. 24,298	88	B.H.P. 13,128	403	B.H.P. 59,596
Electric power used during the year—												
Quantity in Kilowatt-hours.....		44,581,253		1,080,000		36,257		12,010,646		19,681,180		77,389,336
Value.....		757,158		32,714		735		231,161		325,575		1,347,343

Table 39.—Power Employed in the Coal Mines of Canada, by Provinces, 1924

	Nova Scotia		New Brunswick		Saskatchewan		Alberta		British Columbia		Canada	
	No. of units	Total H.P. rated	No. of units	Total H.P. rated	No. of units	Total H.P. rated	No. of units	Total H.P. rated	No. of units	Total H.P. rated	No. of units	Total H.P. rated
Stationary engines (including those used for hoisting, pumping, etc.):—												
Steam engines and turbines.....	423	69,772	13	513	35	1,798	297	34,031	119	20,358	887	126,472
Gas engines.....					2	11	8	67			10	78
Oil and gasoline engines.....	3	26			3	8	49	332	4	81	59	447
Hydraulic turbines or water wheels.....									6	12,000	6	12,000
Electric motors:—												
Operated by power generated by the establishment.....	367	31,703	8	160	17	462	213	5,924	183	13,213	788	51,462
Operated by purchased power.....	54	1,878			4	20	274	12,267	13	782	345	14,947
Boilers installed.....	193	43,207	7	515	11	1,300	209	26,838	93	13,881	513	85,741
Electric power used during the year—												
Quantity in kilowatt-hours.....		57,215,219		1,140,000		47,590		14,030,132		21,896,003		94,328,944
Value.....		738,205		29,938		958		205,707		321,314		1,346,122

Capital Employed.—A greater amount of capital was employed in the operation of Canadian coal mines in 1924 than in the preceding year but examination of the table shows that the gain was wholly in the western mines. Less capital was employed in the operation of Nova Scotia mines. Including the cost of properties and equipment, the cost of supplies on hand, and the cash in bank and collectable accounts on the books at the close of the year there was invested in Canadian coal mines a total of \$146,711,531 as compared with \$143,447,448 reported in the preceding year. Nova Scotia showed a loss of more than 3 million dollars to \$54,708,244; Saskatchewan's total dropped half-a-million dollars to \$2,902,820; New Brunswick, Alberta and British Columbia showed higher totals. The capital employed in Alberta mines totalled \$52,702,931; in British Columbia mines, \$34,386,682.

Table 40.—Capital Employed in the Coal Mines of Canada by Provinces as at December 15, 1923 and 1924

Province	1923				1924			
	Capital employed as represented by				Capital employed as represented by			
	Cost of lands, buildings, plant, machinery and tools	Cost of supplies and stock on hand	Cash trading and operating accounts and bills receivable	Total	Cost of lands, buildings, plant, machinery and tools	Cost of supplies and stock on hand	Cash trading and operating accounts and bills receivable	Total
	\$	\$	\$	\$	\$	\$	\$	\$
Nova Scotia.....	51,787,431	3,484,754	2,827,136	58,099,321	48,006,232	3,108,035	3,503,977	54,708,244
New Brunswick...	1,054,886	66,728	572,524	1,694,138	1,242,828	43,236	522,290	1,808,354
Saskatchewan.....	3,091,982	47,367	313,737	3,453,086	2,545,523	59,384	297,913	2,902,820
Alberta.....	44,408,155	1,214,629	6,020,628	51,643,412	44,474,725	1,152,713	7,075,493	52,702,931
British Columbia..	25,533,027	649,852	2,171,612	28,354,491	31,896,185	774,181	1,716,316	34,386,682
Yukon.....	202,500	.....	500	203,000	202,500	.....	.....	202,500
Canada...	128,977,981	5,463,339	11,906,137	143,447,448	128,457,993	5,137,549	13,115,969	146,711,531

In the foregoing sections all the data relating to the operation of coal mines in Canada as a whole have been reviewed. In the pages which follow, each province beginning with Prince Edward Island and working westwards has been treated separately and the statistics given show in more detail than in the preceding sections the items of interest in connection with the output, exports, imports and consumption of coal within the province. The same plan has been followed for each province so as to permit convenience in comparing the statistics given for one province with those shown for another.

CHAPTER TWO

PRINCE EDWARD ISLAND

Prince Edward Island produces no coal and as a consequence the only statistics on this subject for the province have to do with importations either from foreign sources or from other Canadian provinces. Table 41 shows the quantities of anthracite and bituminous coal imported at each port of entry on the Island for the past three years.

The annual consumption of coal on the Island is less than 100,000 tons. Canadian coal received in 1924 amounted to 65,342 tons and importations of United States anthracite totalled 3,571 tons which together with 3,597 tons of imported soft coal made up the supply of 72,510 tons.

In 1923, the total consumption was 87,983 tons, including 82,417 tons from Canadian sources, 4,303 tons of anthracite imported from the United States and 1,263 tons of bituminous coal obtained from the same source.

Table 41.—Imports into Prince Edward Island of Anthracite and Bituminous Coal by Grades and by Ports of Entry, 1922-1924

(Short tons)

Port		Anthracite			Bituminous			Total all Grades
		Egg, Nut, etc.	Dust	Total	Round and run-of-mine	Slack	Total	
Charlottetown.....	1922	4,128		4,128	619	736	1,355	5,483
	1923	3,343		3,343	1,263		1,263	4,606
	1924	2,717		2,717	3,597		3,597	6,314
Summerside	1922	461		461				461
	1923	960		960				960
	1924	854		854				854
Total	1922	4,589		4,589	619	736	1,355	5,944
	1923	4,303		4,303	1,263		1,263	5,566
	1924	3,571		3,571	3,597		3,597	7,168

Table 42.—Summary Statistics for 1920-1924—Exports, Interprovincial Shipments, Imports and Coal Made Available for Consumption in Prince Edward Island

(Short tons)

	1920	1921	1922	1923	1924
CANADIAN COAL—					
Received from Other Provinces—					
Total (Bituminous).....	120,670	72,084	70,995	82,417	65,342
Exported—	2	2			
Total (Bituminous).....					
IMPORTED FROM—					
United States—					
Anthracite	5,544	6,643	4,589	4,303	3,571
Bituminous	513	238	1,355	1,263	3,597
Total	6,057	6,881	5,944	5,566	7,168
COAL MADE AVAILABLE FOR CONSUMPTION—					
Anthracite	5,544	6,643	4,589	4,303	3,571
Bituminous	121,181	72,320	72,350	83,680	68,939
Total	126,725	78,963	76,939	87,983	72,510

CHAPTER THREE

NOVA SCOTIA

Output.—Amounting to only 5,557,441 short tons the output of coal from Nova Scotia mines in 1924 marked the lowest total recorded since 1902. At the close of 1923 a strike was in progress which lasted over the end of the year with the result that the output in January, 1924 was only 266,480 short tons. February showed a little better tonnage and with the resumption of work the outputs in March and April rose to the highest point reached during the year. Production during the summer months dropped to an average of about 400,000 tons, but there was a recovery in October to a total of 612,574 tons from which point the output dropped in November and December to a total of 407,474 in the last month of the year. There was thus a loss of more than a million tons from the total reported in the preceding year.

Most of the coal was produced from Cape Breton mines, their total output amounting to 4,135,693 tons. Cumberland and Pictou districts produced 674,806 tons and 658,468 tons respectively, and Inverness district produced the balance or 88,474 tons.

Table 43.—Output of Coal from Nova Scotia Mines, 1785-1924

(Short tons)

Calendar Year	Output	Value	Calendar Year	Output	Value
		\$			\$
1785-1873.....	8,053,670	12,583,860	1899.....	3,148,822	5,622,898
1874.....	972,954	1,520,240	1900.....	3,623,536	8,088,250
1875.....	930,613	1,454,084	1901.....	4,158,068	6,496,982
1876.....	837,755	1,308,991	1902.....	5,161,316	9,216,636
1877.....	880,215	1,375,339	1903.....	5,653,338	10,095,246
1878.....	875,994	1,368,741	1904.....	5,596,241	9,993,288
1879.....	866,220	1,353,469	1905.....	5,616,563	10,083,184
1880.....	1,177,669	1,810,108	1906.....	6,220,505	11,108,014
1881.....	1,280,050	2,000,079	1907.....	6,354,133	12,761,999
1882.....	1,524,947	2,382,730	1908.....	6,652,539	13,364,476
1883.....	1,578,609	2,466,576	1909.....	6,652,089	11,354,643
1884.....	1,543,829	2,412,233	1910.....	6,431,142	12,910,705
1885.....	1,547,990	2,418,735	1911.....	7,004,420	14,071,379
1886.....	1,698,018	2,653,152	1912.....	7,783,888	17,371,750
1887.....	1,858,596	2,904,057	1913.....	7,980,073	17,812,663
1888.....	1,942,231	3,034,735	1914.....	7,370,924	16,452,955
1889.....	1,918,827	2,998,167	1915.....	7,463,370	16,659,308
1890.....	2,181,033	3,407,864	1916.....	6,912,140	18,514,662
1891.....	2,267,919	3,543,621	1917.....	6,327,091	19,410,737
1892.....	2,156,389	3,374,046	1918.....	5,818,562	21,065,470
1893.....	2,444,924	3,820,194	*1919.....	5,790,106	22,350,157
1894.....	2,527,982	3,949,970	*1920.....	6,437,156	32,314,523
1895.....	2,225,145	3,476,700	*1921.....	5,734,028	27,782,050
1896.....	2,508,579	3,919,655	*1922.....	5,569,072	24,629,921
1897.....	2,493,351	3,896,179	*1923.....	6,597,838	28,170,458
1898.....	2,563,190	4,004,970	1924.....	5,557,441	22,280,554
Total.....			267,595,303 499,496,526		

*For the years 1919-1924 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 44.—Output of Coal from Nova Scotia Mines, by Months, 1920-1924

(Short tons)

Months	1920	1921	1922	1923	1924
January.....	547,068	529,413	321,653	603,370	266,480
February.....	492,261	471,219	345,847	578,245	291,897
March.....	557,476	423,896	472,001	602,053	643,899
April.....	523,761	346,227	334,765	603,906	653,743
May.....	489,944	461,745	390,520	580,448	431,045
June.....	544,761	521,230	471,474	646,041	416,094
July.....	526,084	486,638	520,562	211,384	449,100
August.....	506,687	536,188	306,931	702,163	404,677
September.....	533,478	485,205	547,354	539,927	470,613
October.....	537,840	491,989	652,243	567,424	612,574
November.....	585,812	494,692	630,706	547,347	509,845
December.....	591,981	486,486	574,920	415,630	407,474
Total.....	6,437,156	5,734,928	5,569,072	6,597,838	5,557,441

Table 45.—Output of Coal by Districts in Nova Scotia, 1920-1924

(Short tons)

District	1920	1921	1922	1923	1924
Cape Breton.....	4,557,356	4,244,172	4,069,239	4,661,373	4,135,603
Cumberland.....	777,422	694,398	681,018	862,087	674,806
Inverness.....	268,733	186,755	175,181	164,681	88,474
Pictou.....	833,645	609,603	643,634	909,697	658,468
Total	6,437,156	5,734,928	5,569,072	6,597,838	5,557,441

Table 46.—Output of Coal by Principal Collieries in Nova Scotia, for 1922-1924
(Average of 500 tons or more per month)

(Short tons)

Name	Address	1922	1923	1924
CAPE BRETON DISTRICT—				
Anglo Coal Co. Ltd.	Glouce Bay.....	4,336	.....	.....
Bras d'Or Coal Co.	Little Bras d'Or Bridge.....	128,937	114,238	76,576
Dominion Coal Co. Ltd.	Glouce Bay.....	3,187,012	3,751,505	3,336,521
Indian Cove Coal Co. Ltd.	Sydney Mines.....	43,790	61,692	57,831
Nova Scotia Steel and Coal Co.	Sydney Mines.....	703,638	733,898	664,765
All other operators.....	.....	1,226	.....	.....
Total.....	.....	4,069,239	4,661,373	4,135,693
CUMBERLAND DISTRICT—				
Athol Coal Co.	Athol.....	14,990	5,508	.....
Boston Coal Co.	River Hebert.....	.....	.....	2,898
Carter Coal Co.	Maccan.....	1,814	6,418	3,697
Cumberland Ry. and Coal Co.	Glouce Bay.....	439,334	625,737	497,466
Emmerson Coal Co. Ltd.	River Hebert.....	11,037	12,803	5,559
Fundy Mining Co.	Joggins Mines.....	18,239	10,902	9,515
Lawson Coal Co.	Amherst.....	4,966	6,457	8,578
Maritime Coal Ry. & Power Co. Ltd.	Joggins Mines.....	124,658	137,633	114,190
Minudie Coal Co. Ltd.	River Hebert.....	42,110	27,151	.....
National Coal Co.	New Glasgow.....	1,758	12,555	8,654
Provincial Mining Co. (Twin Seasn Coal Co.)	Chignecto.....	1,037	174	888
River Hebert Coal Co.	River Hebert.....	7,100	16,749	16,612
Sterling Coal Co.	River Hebert.....	12,338	.....	.....
Victoria Coal Co. Ltd. Operating No. 2 Mine	River Hebert.....	.....	.....	6,750
Minudie Coal Co.	.....	1,637	.....	.....
All other operators.....	.....	.....	.....	.....
Total.....	.....	681,018	862,087	674,806
INVERNESS DISTRICT—				
Inverness Ry. and Coal Co.	Inverness.....	172,235	164,093	88,303
Port Hood Coal Co. Ltd. (D. Prandergast)	Port Hood.....	2,412	.....	.....
All other operators.....	.....	534	588	171
Total.....	.....	175,181	164,681	88,474
PICTOU DISTRICT—				
Acadia Coal Co. Ltd.	Stellarton.....	439,497	625,024	433,169
Greenwood Coal Co. Ltd.	Thorburn.....	48,504	62,065	51,379
Intercolonial Coal Mining Co. Ltd.	Westville.....	155,128	221,523	173,920
All other operators.....	.....	505	1,085	.....
Total.....	.....	643,634	909,697	658,468
Total for Nova Scotia.....	.....	5,569,072	6,597,838	5,557,441

Tonnage Lost.—Even while the mines were in operation considerable tonnages were lost through temporary stoppages in work due to lack of orders, absenteeism or mine disability. Only 65 per cent of the possible output was produced during the year as compared with 72 per cent in 1923. Of the 35 per cent tonnage lost 21.7 per cent was reported as due to lack of orders; 3.2 per cent to absenteeism on the part of employees; 1.5 per cent to mine disability; 0.6 per cent to car shortage and 8 per cent was due to unspecified causes.

Table 47.—Tonnage Lost in Nova Scotia Coal Mines Showing by Districts the Relative Percentages Produced and Lost, with an Analysis of the Percentage Lost, 1922-1924

District		%	%	Percentage lost through				
				Absenteeism	Lack of orders	Car shortage	Mine disability	Other causes
Cape Breton.....	1922	74	26	5.0	9.9	0.6	0.7	9.8
	1923	70	30	7.5	11.2	0.6	1.0	9.7
	1924	65	35	3.4	22.5	0.4	1.4	7.3
Cumberland.....	1922	70	30	4.1	16.4	1.2	0.9	7.4
	1923	75	25	6.4	6.0	1.5	1.6	9.5
	1924	60	40	2.6	20.9	0.5	3.3	12.7
Inverness.....	1922	71	29	12.4	15.0	0.1	0.1	1.4
	1923	79	21	12.6	2.3	0.9	.....	5.2
	1924	75	25	10.2	5.7	.....	0.3	8.8
Pictou.....	1922	68	32	5.8	18.8	0.6	0.2	6.6
	1923	80	20	10.1	5.0	1.0	0.5	3.4
	1924	65	35	4.6	19.8	2.5	0.1	8.0
Nova Scotia.....	1922	73	27	5.1	11.9	0.7	0.5	8.8
	1923	72	28	7.8	9.5	0.8	1.0	8.9
	1924	65	35	3.2	21.7	0.6	1.5	8.0

Disposition.—As indicated in the disposition table the loss in output reduced the tonnages shipped by more than a million tons. There was little change in the other items of the disposition table.

For this report a new table has been compiled which shows the tonnages put on bank and lifted from bank at the Nova Scotia mines during the five years 1920-1924. Beginning with a stock of 90,000 tons on bank in January 1920, the mines added 226,887 tons to bank during the year but removed 228,872 tons during the same period so that there was a net reduction in the amount on bank at the end of the year. The further trend of these figures can be followed in the table referred to above. The significant point about this compilation is that coal was banked in large quantities in each year during the months of January, February and March, October, November and December, and that the greatest withdrawals from the bank were made during navigation season up the St. Lawrence.

Table 48.—Disposition of Coal from Nova Scotia Mines, 1923 and 1924

(Short tons)

	1923	1924
Supplied to employees for domestic consumption.....	162,087	124,511
Coal shipped as per table.....	5,881,084	4,870,471
Used under colliery boilers.....	490,376	458,172
Used by company's railroads.....	59,383	44,648
Used in shops, etc.....	11,440	5,590
Used by harbour tugs and dredges.....	694	1,311
Put on bank.....	534,709	729,760
Put on waste heap.....	14,614	6,267
Total disposition.....	7,158,287	6,240,730
Lifted from bank.....	560,449	683,289
Total output.....	6,597,838	5,557,441

Table 49.—Tonnages Put on Bank and Lifted from Bank in Nova Scotia, 1920-1924

(Short tons)

Month	1920		1921		1922		1923		1924	
	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.....	90,000	.....	88,016	.....	95,204	.....	121,095	.....	95,355	.....
January.....	36,774	21,768	41,558	5,712	846	5,816	126,417	1,179	9,297	26,182
February.....	34,199	4,726	100,300	9,732	46,082	1,493	87,399	733	43,501	4,389
March.....	41,687	17,406	91,504	5,416	163,474	821	109,464	778	301,023	686
April.....	17,368	5,956	7,579	6,184	138,672	6,804	135,406	711	277,165	2,651
May.....	3,351	94,172	4,704	62,379	75,138	0,063	18,580	33,152	1,306	119,331
June.....	4,847	34,234	2,611	49,221	34,565	40,286	5,453	100,655	4,396	134,274
July.....	7,026	0,742	5,532	106,925	3,954	141,853	1,237	92,206	1,112	114,495
August.....	3,335	15,493	449	42,010	808	142,675	4,986	100,662	3,226	127,973
September.....	5,935	8,803	10,227	9,619	14,054	77,357	3,054	106,571	2,684	105,340
October.....	4,617	7,169	1,252	9,339	1,761	70,457	8,761	72,629	7,723	36,828
November.....	35,710	4,421	9,399	5,042	13,450	25,464	6,751	42,825	5,994	5,307
December.....	32,038	4,982	46,257	2,694	58,126	6,750	30,208	8,350	72,346	6,433
Total.....	226,887	228,872	321,462	314,273	551,829	525,923	534,709	560,449	723,760	683,280

Shipments.—While shipments as a whole during the year were much smaller than in 1923 the quantity of coal delivered to points in Quebec reached a total of 1,644,702 tons, an increase of 100,000 tons over the 1,533,046 tons shipped into Quebec in the preceding year. On the other hand shipments to Nova Scotia points dropped to 1,354,703 tons from the total of 1,855,963 tons in 1923. Most of the tonnages reported in the shipments table were less in 1924 than in 1923.

Table 50.—Shipments of Coal from Nova Scotia Mines by Grades and by Destinations, 1923 and 1924

(Short tons)

Destination	1923				1924			
	Run-of-mine	Screened	Slack	Total Coal	Run-of-mine	Screened	Slack	Total Coal
Coal supplied for bunkers.....	260,144	4,530	.....	264,674	268,468	7,445	.....	275,913
Coal supplied to railroads.....	873,880	89,744	19,077	982,701	724,078	82,428	9,038	815,544
Nova Scotia by land.....	458,226	507,858	696,752	1,662,836	244,299	421,425	564,347	1,230,071
Nova Scotia by sea.....	116,609	63,917	12,601	193,127	46,206	72,202	6,224	124,632
New Brunswick.....	366,800	161,402	35,396	563,598	227,065	149,816	74,771	451,652
Newfoundland.....	107,465	153,444	10,476	271,385	102,619	139,210	12	241,841
Prince Edward Island.....	13,990	68,047	380	82,417	7,053	57,780	509	65,342
Quebec.....	1,283,433	27,957	221,656	1,533,046	1,217,843	60,332	366,527	1,644,702
Ontario.....	.....	.....	.....	.....	33	.....	.....	33
West Indies.....	.....	106	.....	106	81	.....	.....	81
United States.....	231,273	385	.....	231,658	.....	104	8,454	8,558
Europe.....	86,536	1,120	.....	87,656	.....	.....	.....	.....
Other countries.....	3,031	7,383	466	10,880	3,601	7,605	.....	11,206
Lost at sea.....	.....	.....	.....	.....	896	.....	.....	896
Total.....	3,801,387	1,085,893	996,864	5,884,044	2,842,242	998,347	1,023,882	4,870,471

Exports.—Shipments for export dropped to approximately one-half the total reported in the preceding year amounting in all to 341,307 short tons nearly all of which was exported through the ports of Sydney and North Sydney.

Table 51.—Exports of Canadian Coal through Nova Scotia Ports, 1922-1924

(Short tons)

Port	1922	1923	1924
Amherst.....	120	240	
Baddeck.....	280		
Glace Bay.....			
Halifax.....	15,179	27,246	5,114
Lunenburg.....			
North Sydney.....	130,241	100,860	108,803
Parrsboro'.....	2,217	210	
Pictou.....		8,453	2,344
Port Hawkesbury.....	12,625	696	
Sydney.....	480,612	542,066	225,016
Total.....	641,364	679,771	341,307

Imports.—Imports of anthracite and bituminous coal into Nova Scotia during 1924 totalled 117,491 tons including 104,784 tons from the United States and 12,707 tons from Great Britain. This marked an appreciable increase in importations of coal above those reported in 1923 when the total was 106,036 tons. Increased importations were noted both in anthracite and bituminous coals brought in from the United States. Imports from Great Britain were less than in the preceding year.

Table 52.—Imports into Nova Scotia of Anthracite and Bituminous Coal by Grades and Ports of Entry, 1922-1924

(Short tons)

Port	Source and Year	Anthracite			Bituminous			Total all Grades
		Egg, Nut, etc.	Dust	Total	Round and run-of-mine	Slack	Total	
Amherst.....	U.S. 1922							
	1923							
	1924							
Annapolis.....	U.S. 1922	941		941				941
	1923	1,314		1,314				1,314
	1924	1,423		1,423				1,423
Antigonish.....	U.S. 1922							
	1923							
	1924							
Arichat.....	U.S. 1922							
	1923							
	1924							
Baddeck.....	U.S. 1922							
	1923							
	1924							
Barrington Passage.....	U.S. 1922	18		18				18
	1923							
	1924	27		27				27
Bridgewater.....	U.S. 1922	355		355				355
	1923	592		592				592
	1924	688		688				688
Canso.....	U.S. 1922	913		913				913
	1923	708		708				708
	1924	936		936	2,680	20	2,700	3,636
Digby.....	U.S. 1922	280		280				280
	1923	210		210				210
	1924	475		475				475
Glace Bay.....	U.S. 1922							
	1923							
	1924				13,260		13,260	13,260
	G.B. 1924	12		12				12

Table 52.—Imports into Nova Scotia of Anthracite and Bituminous Coal by Grades and Ports of Entry, 1922-1924—Concluded

(Short tons)

Port	Source and Year	Anthracite			Bituminous			Total all Grades	
		Egg, Nut, etc.	Dust	Total	Round and run- of mine	Slack	Total		
Halifax	U.S. 1922	10,659	31	10,690	1,556	200	1,756	12,446	
	1923	16,619		16,619	16,642		16,642	33,261	
	1924	18,468		18,468	39,753	5,164	44,917	63,385	
	G.B. 1922	5,645		5,645	3,267		3,267	8,912	
	1923	18,570		18,570	7,871		7,871	26,441	
	1924	9,961		9,961	246		246	10,207	
Kentville	U.S. 1922								
	1923	1,006		1,006				1,006	
Liverpool	1924	911		911	1,150	932	2,082	2,993	
	U.S. 1922	870		870				870	
	1923	566		566		29	29	595	
	1924	16		16	187		187	203	
	G.B. 1924	2,392		2,392				2,392	
	U.S. 1922	56		56				56	
Lokeport	1923	217		217				217	
	1924	385		385				385	
	Lunenburg	U.S. 1922	3,411		3,411				3,411
	1923	3,755		3,755				3,755	
	1924	4,458		4,458	1,383		1,383	5,841	
	G.B. 1924	96		96				96	
Middleton	U.S. 1922								
	1923								
New Glasgow	U.S. 1922								
	1923								
North Sydney	U.S. 1922		25	25				25	
	1923								
Parrsboro	U.S. 1924	40		40				40	
	1922								
Pictou	U.S. 1922								
	1923	57		57				51	
Port Hawkesbury	U.S. 1922	96		96				96	
	1923								
Port Hood	U.S. 1922								
	1923								
Shelburne	U.S. 1922								
	1923								
Sydney	U.S. 1922								
	1923				8,587	18,051	26,638	26,638	
Truro	U.S. 1922								
	1923								
Weymouth	U.S. 1922	332		332				332	
	1923				2	6	8	8	
Windsor	U.S. 1924	380		380				380	
	1922				44	788	832	832	
Yarmouth	U.S. 1922	3,432		3,432	3,645		3,645	7,077	
	1923	9,853		9,853				9,853	
Total	U.S. 1924	9,352		9,352	439	843	1,282	10,634	
	1922	21,363	56	21,419	5,245	988	6,233	27,652	
	1923	35,169		35,169	26,310	18,086	44,426	79,595	
	1924	37,616		37,616	60,299	6,959	67,168	104,784	
	G.B. 1922	5,645		5,645	3,267		3,267	8,912	
	1923	18,570		18,570	7,871		7,871	26,441	
	1924	12,461		12,461	246		246	12,707	
	Grand Total	1922	27,068	56	27,064	8,512	988	9,500	36,564
	1923	53,739		53,739	34,211	18,086	52,297	106,036	
1924	50,077		50,077	60,455	6,959	67,414	117,491		

Consumption.—Much less coal was made available for consumption in Nova Scotia in 1924 than in the preceding year.

From an output of 5.55 million tons, shipments to other provinces amounting to 2.16 million tons, and exports amounting to 0.34 million tons, were taken; additions to the supply, obtained from the United States and Great Britain, totalled 117,491 tons so that there was made available for consumption 3.17 million tons as compared with a total of 3.84 million tons in 1923 and 3.08 million tons in 1922.

Table 53.—Summary Statistics for 1920-1924—Output, Exports, Interprovincial Shipments, Imports and Coal made Available for Consumption in Nova Scotia

(Short tons)

	1920	1921	1922	1923	1924
CANADIAN COAL—					
Output—					
Total (Bituminous).....	6,437,156	5,734,928	5,569,072	6,597,838	5,557,441
Received from other provinces—					
Total (Bituminous).....	664	241	39		
Shipped to other provinces—					
Total (Bituminous).....	1,421,102	1,459,422	1,882,787	2,179,061	2,161,729
Exported—					
Total (Bituminous).....	1,245,673	727,787	644,304	679,771	341,307
IMPORTED FROM—					
United States—					
Anthracite.....	45,334	62,245	21,419	35,169	37,616
Bituminous.....	3,044	1,875	6,233	44,426	67,168
Total	48,378	64,120	27,652	79,595	104,784
Great Britain—					
Anthracite.....			5,645	18,570	12,461
Bituminous.....			3,267	7,871	246
Total			8,912	26,441	12,707
Total—					
Anthracite.....	45,334	62,245	27,064	53,739	50,077
Bituminous.....	3,044	1,875	9,500	52,297	67,414
Total	48,378	64,120	36,564	106,036	117,491
COAL MADE AVAILABLE FOR CONSUMPTION—					
Anthracite.....	45,334	62,245	27,064	53,739	50,077
Bituminous.....	3,774,089	3,549,835	3,054,520	3,791,363	3,121,819
Total	3,819,423	3,612,080	3,081,584	3,845,042	3,171,896

Employment.—Employment was afforded on the average throughout the year to 12,994 persons as compared with a total of 14,119 in 1923. Salaries and wages diminished accordingly to \$13,354,904 from the total of \$16,744,365 in 1923. There was little variation in the number of wage-earners employed each month as reported by the operators. On the average 12,500 men were employed including 10,186 underground workers and 2,314 employed in surface operations. In comparison with the totals for the preceding year the number of days work done in 1924 showed a drop of about one million days to a total of 2,527,432 days work done by the men in the mines. On the average each wage-earner worked 202 days during the year as against an average of 263 in 1923 and 210 days in 1922, and each earned on the average \$4.93 per working day as compared with \$4.35 in 1923 and \$4.07 in 1922. While the average sum earned per working day was greater in 1924 than in the preceding year the average number of days worked was 61 less than in 1923.

Table 54.—Number of Employees, Salaries and Wages Paid in the Coal Mines of Nova Scotia by Districts, 1923 and 1924

District	Average number of employees					Salaries and wages		
	Salaried employees		Wage-earners		Total	Salaries	Wages	Total
	Male	Female	Surface	Under-ground				
1923						\$	\$	\$
Cape Breton.....	450	38	1,516	6,943	8,947	961,690	9,605,810	10,567,500
Cumberland.....	78	4	570	1,521	2,173	151,523	2,400,876	2,552,399
Inverness.....	16	3	137	464	620	34,596	706,505	741,101
Pictou.....	135	10	600	1,634	2,379	270,726	2,612,639	2,883,365
Nova Scotia.....	679	55	2,823	10,562	14,119	1,418,535	15,325,830	16,744,365
1924								
Cape Breton.....	310	16	1,349	7,077	8,752	599,902	8,509,993	9,109,895
Cumberland.....	71	5	423	1,364	1,863	89,410	1,668,774	1,758,184
Inverness.....	5	1	88	266	360	25,866	347,723	373,589
Pictou.....	81	5	464	1,479	2,019	190,018	1,923,218	2,113,236
Nova Scotia.....	467	27	2,314	10,186	12,991	905,196	12,449,708	13,354,904

Table 55.—Employment and Earnings in the Coal Mines of Nova Scotia, 1921-1924

	1921	1922	1923	1924
Average number of wage-earners—				
Surface.....	2,796	2,905	2,823	2,314
Underground.....	9,830	11,163	10,562	10,186
Total.....	12,626	14,068	13,385	12,500
Days' work done—				
Surface.....	711,653	700,370	700,775	572,537
Underground.....	2,194,301	2,265,522	2,721,301	1,954,895
Total.....	2,905,954	2,965,892	3,421,076	2,527,432
Average number of days worked per man per year—				
Surface.....	254	241	283	247
Underground.....	223	202	258	192
Total.....	230	210	263	202
Total wages paid.....	\$14,710,325	\$12,077,999	\$15,325,830	\$12,449,708
Average wage earned per man per day.....	\$5 06	\$4 07	\$4 35	\$4 93

Table 56.—Number of Wage-Earners, Work Done by Months in the Nova Scotia Coal Mines in 1924

Month	Number of employees			Days' work done		
	Surface	Under-ground	Total	Surface	Under-ground	Total
1924						
January.....	2,555	10,589	13,144	40,696	119,697	160,393
February.....	2,520	10,408	12,928	40,779	124,387	165,166
March.....	2,516	10,737	13,253	59,130	227,288	286,418
April.....	2,449	10,922	13,371	55,871	226,987	282,858
May.....	2,407	10,644	13,051	46,776	160,394	207,170
June.....	2,361	10,360	12,721	44,004	148,010	192,914
July.....	2,074	9,513	11,587	42,853	150,251	193,104
August.....	2,077	9,399	11,476	54,934	137,817	192,751
September.....	2,188	9,565	11,753	46,050	151,505	200,555
October.....	2,200	9,999	12,199	49,984	187,453	237,437
November.....	2,214	10,103	12,317	46,305	169,135	215,440
December.....	2,212	9,989	12,201	45,155	148,161	193,316
Total.....				572,537	1,954,895	2,527,432

Table 57.—Number of Man-days Worked, by Districts, in Nova Scotia, 1923 and 1924

District	1923			1924		
	Surface	Under-ground	Total	Surface	Under-ground	Total
Cape Breton.....	426,847	1,825,072	2,251,919	333,708	1,337,457	1,671,165
Cumberland.....	157,698	347,607	505,305	104,300	260,936	365,236
Inverness.....	38,178	113,077	151,255	21,937	55,025	76,962
Pictou.....	177,052	435,545	612,597	112,592	301,477	414,069
Total.....	799,775	2,721,301	3,521,076	572,537	1,954,895	2,527,432

Table 58.—Average Number of Wage-Earners in Nova Scotia Coal Mines, by Classes, 1923 and 1924

Classification	1923			1924		
	Surface	Under-ground	Total	Surface	Under-ground	Total
SURFACE—						
Administration.....	77	23	100	70	21	91
Foremen and clerks.....	180	4	184	152	5	157
Screenmen and loaders.....	660	2	662	601		601
UNDERGROUND—						
Officials.....	4	443	447	4	418	422
Handcutters and helpers.....		1,851	1,851		1,909	1,909
Machine cutters.....		1,422	1,422		1,433	1,433
Machine loaders and helpers.....		1,604	1,604		1,645	1,645
Horse haulage employees.....		829	829		822	822
Mechanical haulage employees.....	14	1,527	1,541	7	1,514	1,521
Ventilation employees.....	9	413	422	3	340	343
Road-makers.....		292	292		301	301
Timbermen.....		670	670		608	608
Pumpmen.....	3	157	160	5	127	132
MISCELLANEOUS—						
Enginemmen.....	246	6	252	226	17	243
Firemen.....	262		262	202		202
Machinists.....	277	1	278	256		256
Carpenters and masons.....	147	1	148	110	1	111
Other mechanics.....	102	152	254	88	134	222
All other employees.....	842	1,165	2,007	590	891	1,481
Total.....	2,823	10,562	13,385	2,314	10,186	12,500

Capital Employed.—Coal mines operated in Nova Scotia at any time during 1924 totalled 50 in number and represented a capital investment of \$54,708,244 including mines and equipment costing \$48,096,232; supplies valued at \$3,108,035 and cash accounts totalling \$3,503,977. In 1923 the total capital invested as reported was \$58,099,321. Most of the loss in 1924 was in the item of mines and equipment. But here it must be noted that in 1923 there were 56 mines in operation. Cash and collectable accounts showed an advance of about three-quarters of a million dollars.

Table 59.—Capital Employed in the Coal Mines of Nova Scotia, 1923 and 1924

Capital employed as represented by—	1923	1924
	\$	\$
Cost of lands, buildings, plant machinery and tools.....	51,787,431	48,096,232
Cost of supplies and stock on hand.....	3,484,754	3,108,035
Cash, trading and operating accounts and bills receivable.....	2,827,136	3,503,977
Total.....	58,099,321	54,708,244

CHAPTER FOUR

NEW BRUNSWICK

Output.—Less coal was mined in New Brunswick during 1924 than in the preceding year and the value dropped below the million dollar mark. Production totalled 217,121 short tons valued at \$932,185 as compared with 276,617 tons produced in 1923 having a value of \$1,196,772. Production was maintained fairly well throughout the year. Monthly outputs ranged from 21,612 tons in January to 23,941 tons in February, the highest point for the year and then gradually dropped particularly during the summer months to 12,275 tons in August, the lowest monthly output recorded since 1921. There was a recovery in the later months of the year to 19,179 tons in December.

Table 60.—Output of Coal from New Brunswick Mines, 1887-1924

(Short tons)

Calendar year	Output	Value	Calendar year	Output	Value
		\$			\$
1887.....	10,040	23,607	1907.....	34,584	77,814
1888.....	5,730	11,050	1908.....	60,000	135,000
1889.....	5,673	11,733	1909.....	49,029	98,496
1890.....	7,110	13,850	1910.....	55,455	110,910
1891.....	5,422	11,030	1911.....	55,781	111,562
1892.....	6,768	9,375	1912.....	44,780	89,560
1893.....	6,200	9,837	1913.....	70,311	166,637
1894.....	6,469	10,264	1914.....	98,049	241,075
1905.....	9,500	14,250	1915.....	127,391	309,612
1896.....	7,500	11,250	1916.....	133,510	386,016
1897.....	0,000	0,000	1917.....	189,095	708,010
1898.....	6,160	9,240	1918.....	268,212	1,331,710
1899.....	10,528	15,792	1919.....	166,377	735,386
1900.....	10,000	15,000	1920.....	171,610	1,091,440
1901.....	17,630	51,857	1921.....	187,192	929,666
1902.....	18,795	39,680	1922.....	287,513	1,107,613
1903.....	16,000	40,000	1923.....	270,617	1,196,772
1904.....	9,112	18,224	1924.....	217,121	932,185
1905.....	29,400	58,800			
1906.....	34,076	68,152	Total.....	2,730,770	10,202,485

*For the years 1919-1924 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 61.—Output of Coal from New Brunswick Mines by Months, 1920-1924

(Short tons)

Month	1920	1921	1922	1923	1924
January.....	10,066	10,490	19,036	26,504	21,612
February.....	10,665	12,320	18,648	26,171	23,941
March.....	11,919	8,886	16,466	27,627	20,609
April.....	8,948	10,153	13,382	21,739	19,962
May.....	11,610	12,701	20,825	21,980	19,009
June.....	13,003	15,887	29,955	24,811	15,538
July.....	18,604	16,512	24,119	22,587	15,136
August.....	20,460	19,659	28,652	23,045	12,275
September.....	15,648	17,953	29,700	22,401	17,699
October.....	16,961	19,700	33,683	25,129	14,153
November.....	20,285	23,275	32,668	18,171	18,008
December.....	13,441	19,656	20,379	16,452	19,179
Total.....	171,610	187,192	287,513	276,617	217,121

Table 62.—Output of Coal by Principal Collieries in New Brunswick for 1922-1924.
(Average output of 500 tons or more per month)
(Short tons)

Name	Address	1922	1923	1924
Avon Coal Co. Ltd.	St. John	11,462	21,653	19,852
Conkley, M.	Minto		759	
McDougall Bros.	Minto	3,908	596	
Minto Coal Co. Ltd.	St. John	177,978	128,298	92,992
Miramichi Lumber Co. Ltd.	Minto	27,883	33,160	23,160
Reade, L. W. (c/o Grand Lake Coal Co.)	Minto	2,738		
Rothwell Coal Co. Ltd.	Rothwell	7,014	9,948	10,733
Welton, Harvey	Minto	26,386	48,666	41,617
Welton & Henderson	Minto	27,876	32,804	28,311
All other operators		2,268	733	456
Total for New Brunswick		287,513	276,617	217,121

Tonnage Lost.—Tonnage losses due to the variety of causes for which a mine is closed down for short periods amounted to 17 per cent of the possible output of New Brunswick mines in 1924. Of the lost tonnage 10.5 per cent was due to lack of orders; absenteeism on the part of employees accounted for a further reduction of 3.9 per cent; unspecified causes, 2.3 per cent; mine disabilities 0.2 per cent, and car shortage 0.1 per cent. In the preceding year 89 per cent of the possible tonnage was produced leaving only 11 per cent lost but in 1922 only 79 per cent of the possible output was mined and 21 per cent lost. In that year also most of the tonnage lost was said to be due to lack of orders.

Table 63.—Tonnage Lost in New Brunswick Coal Mines, showing the Relative Percentages Produced and Lost, with an Analysis of the Percentage Lost, 1922-1924

Year	%	lost	Percentage lost through				
			Absenteeism	Lack of orders	Car shortage	Mine disability	Other causes
1922	79	21	5.0	13.0			3.0
1923	89	11	8.1		0.1	1.0	1.8
1924	83	17	3.9	10.5	0.1	0.2	2.3

Disposition.—Apart from the changes due to the lessened output there was little variation in the records of disposition for 1924 as compared with the figures for 1923. Shipments were less and the tonnage put on bank dropped to about one-third of the total for the preceding year. On the other hand the amount lifted from bank was also only about one-third of the total reported in the preceding year.

Table 64.—Disposition of Coal from New Brunswick Mines by Grades, 1923 and 1924
(Short tons)

	1923				1924			
	Run-of Mine	Screened	Slack	Total Coal	Run-of Mine	Screened	Slack	Total Coal
Supplied to employees for domestic consumption	3,508			3,508	2,967		43	3,010
Shipped as per Table 65	143,929	94,497	26,132	264,558	101,378	87,561	22,306	211,245
Used under colliery boilers, etc.	7,653		310	7,963	2,901		445	3,346
Used by company's railroads	86			86				
Used in making coke at colliery								
Used in making briquettes								
Put on bank	32,081	1,057	1,247	34,385	1,829	1,417	8,711	11,957
Put on waste heap	137			137	73			73
Total disposition	187,394	95,554	27,689	310,637	109,148	88,978	31,505	229,631
Lifted from bank	31,420	1,263	1,347	34,020	2,606	1,426	8,478	12,510
Total output	155,974	96,817	29,036	276,617	106,542	87,552	23,027	217,121

Shipments.—About three-quarters of the coal shipped from New Brunswick mines in 1924 was billed to points within the province. Supplies to railroads totalled 16,056 tons or about two-thirds of the quantity sold for this purpose in 1923. Shipments to the United States at 15,669 tons marked a drop to less than half the tonnage sold in that country in the preceding year. Shipments to Ontario and Quebec were about evenly divided, approximately 11,000 tons being shipped to each province. In the preceding year shipments to Quebec totalled only 7,238 tons, but shipments of New Brunswick coal into Ontario reached a total of 24,875 tons.

Table 65.—Shipments of Coal from New Brunswick Mines by Grades and Destination, 1923 and 1924

(Short tons)

Destination	1923				1924			
	Run-of mine	Screened	Slack	Total Coal	Run-of mine	Screened	Slack	Total Coal
New Brunswick (including local sales).....	95,261	59,171	17,121	171,553	73,883	69,607	13,728	157,218
Quebec.....	7,044	191	.....	7,238	9,089	662	1,314	11,065
Ontario.....	12,074	4,799	8,002	24,875	1,156	3,211	6,870	11,237
United States.....	29,550	6,752	44	36,346	12,499	3,170	.....	15,669
Railroads.....	.....	23,581	965	24,546	4,751	10,911	394	16,056
Total.....	143,929	94,497	26,132	264,558	101,378	87,561	22,306	211,245

Exports.—While the mine operators reported only 15,669 tons exported directly from the mines to points in the United States the Customs records, which include all coal cleared from Customs through New Brunswick ports, showed a total of 31,019 tons. The ports of St. John and McAdam Junction shared about equally in this total; the most of the balance was shipped through Woodstock. As in the other provinces, exports of Canadian coal through New Brunswick ports in 1924 were greatly diminished in comparison with the totals reported for the preceding year. In 1923 exports of coal through New Brunswick ports totalled 115,364 short tons.

Table 66.—Exports of Canadian Coal through New Brunswick Ports, 1922-1924

(Short tons)

Port	1922	1923	1924
McAdam Junction.....	22,776	45,793	10,645
St. Andrews.....	1,110	10	.....
St. John.....	19,842	43,492	12,766
St. Stephen.....	468	314	158
Woodstock.....	22,264	25,765	7,450
Total.....	66,460	115,364	31,019

Imports.—Although New Brunswick is a coal-producing province, the annual importations of coal from foreign sources into that area average from 150,000 to 200,000 tons. In 1924, the total imports of coal amounted to 157,063 tons including 131,469 tons from the United States and 25,594 tons from Great Britain. Anthracite, included in this tonnage, amounted to 84,511 tons of which 58,932 tons came from United States and 25,579 tons from Great Britain. In 1923, imports of foreign coal into New Brunswick totalled 192,625 short tons.

Table 67.—Imports into New Brunswick of Anthracite and Bituminous Coal by Grades and by Ports of Entry, 1922-1924

(Short tons)

Port	Source and year	Anthracite			Bituminous			Total all grades
		Egg, nut, etc.	Dust	Total	Round and run-of-mine	Slack	Total	
Bathurst	U.S.* 1922	344		344	5,784		5,784	6,128
	1923	326		326	20,645		20,645	20,971
	1924	608		608				684
	G.B.* 1922	38		38	1,738	900	2,638	2,676
Campbellton	1923							
	1924							
	U.S. 1922	755		755				755
	1923	2,477		2,477				2,477
Chatham	1924	1,401		1,401				1,436
	G.B. 1924				15	35	15	15
	U.S. 1922	481		481				481
	1923	201		201	3,702		3,702	3,903
Fredericton	1924							
	U.S. 1922	2,136		2,136	36		36	2,172
	1923	610		610	123		123	733
	1924	665		665				757
McAdam Junction	U.S. 1922				162		162	162
	1923				13,745		13,745	13,745
	1924	222		222				222
	U.S. 1922							
Moncton	1923	217		217				217
	1924							
	U.S. 1922							
	1923				46		46	46
Newcastle	1924	617		617				617
	U.S. 1922							
	1923							
	1924							
Sackville	U.S. 1922							
	1923							
	1924							
	U.S. 1922	204		204				204
St. Andrews	1923	33		33	2		2	35
	1924	117		117	27		27	144
St. John	U.S. 1922	33,651		33,651	16,011	37,240	53,251	86,902
	1923	45,016	265	45,311	10,338	26,708	37,046	82,357
	1924	50,920	251	51,177	38,294	27,040	65,334	116,511
	G.B. 1922	19,382		19,382	261	10,232	16,493	35,875
St. Stephen	1923	35,787		35,787	5,513	17,927	23,440	59,227
	1924	25,579		25,579				25,579
	U.S. 1922	2,464		2,464	1,720		1,720	4,184
	1923	5,107		5,107	1,953	1,252	3,205	8,312
Woodstock	1924	3,712		3,712	3,750	2,720	6,470	10,191
	U.S. 1922	217		217	260		260	476
	1923	244		244	328		328	572
	1924	413		413	491		491	907
Total	U.S. 1922	40,252		40,252	23,982	37,240	61,222	101,474
	U.S. 1923	51,291	265	51,556	50,882	27,968	78,842	133,398
	U.S. 1924	58,681	251	58,932	42,657	29,880	72,537	131,469
	G.B. 1922	19,120		19,120	1,999	17,132	19,131	38,551
	G.B. 1923	35,787		35,787	5,513	17,927	23,440	59,227
	G.B. 1924	25,579		25,579	15		15	25,594
Grand Total	1922	59,672		59,672	25,941	54,372	80,353	140,025
	1923	90,078	265	90,343	56,395	45,892	102,282	192,625
	1924	84,260	251	84,511	42,672	29,880	72,552	157,063

*U.S.—United States.

*G.B.—Great Britain.

Consumption.—Coal made available for consumption in New Brunswick during 1924 totalled 772,515 tons including 688,004 tons of bituminous coal and 84,511 tons of anthracite. The output of coal from New Brunswick mines during the year amounted to 217,121 tons and receipts of Canadian coal from other provinces principally Nova Scotia amounted to 451,652 tons. On the other hand, shipments out of New Brunswick to other Canadian provinces totalled 22,302 tons and coal exported through New Brunswick ports amounted to 31,019 tons, so that with the 72,537 tons of bituminous coal imported from the United States and 15 tons from Great Britain, the tonnage of this coal made available for consumption amounted to 688,004 tons.

In 1923, when the output was 276,617 tons, receipts from other Canadian provinces amounted to 563,598 tons while the shipments to other provinces totalled 32,113 tons and exports to 115,364 tons. With the 133,398 tons imported from the United States, 59,227 tons from Great Britain, there was made available for consumption a total of 885,363 short tons of coal including 795,020 tons of bituminous coal and 90,343 tons of anthracite.

Table 68.—Summary Statistics for 1920-1924—Output, Exports Interprovincial Shipments, Imports and Coal Made Available for Consumption in New Brunswick

(Short tons)

	1920	1921	1922	1923	1924
CANADIAN COAL—					
Output—					
Total Bituminous.....	171,610	187,192	287,513	276,617	217,121
Received from other Canadian provinces—					
Total (Bituminous).....	1,045,771	499,637	403,742	563,598	451,652
Shipped—					
Total Bituminous.....	38,911	14,296	63,067	32,113	22,302
Exported—					
Total Bituminous.....	113,050	71,698	66,460	115,364	31,019
IMPORTED FROM—					
United States—					
Anthracite.....	57,859	82,509	40,252	54,556	58,932
Bituminous.....	936	41,950	61,222	78,842	72,537
Total.....	58,795	124,459	101,474	133,398	131,469
Great Britain—					
Anthracite.....			19,420	35,787	25,579
Bituminous.....			19,131	23,440	15
Total.....			38,551	59,227	25,594
Total—					
Anthracite.....	57,859	82,509	59,672	90,343	84,511
Bituminous.....	936	41,950	80,353	102,282	72,552
Total.....	58,795	124,459	140,025	192,625	157,063
COAL MADE AVAILABLE FOR CONSUMPTION—					
Anthracite.....	57,859	82,509	59,672	90,343	84,511
Bituminous.....	1,066,356	642,785	642,081	795,020	688,004
Total.....	1,124,215	725,294	701,753	885,363	772,515

Employment.—Employment was afforded in New Brunswick coal mines in 1924 to 637 persons on the average, including 29 on salary and 608 men in the mines of whom 446 worked underground and 162 on the surface. There was little variation in the number of wage-earners on the mine pay-rolls during the year but the number of days' work done each month dropped very noticeably during the summer season. In January the number of days' work done was 14,311; in February 14,580 and in March, April and May only slightly lower totals were recorded. But from June to November, inclusive, the number of days' work done in each month varied from 7,000 to 9,000. In the closing month of the year more mining was done and the number of days worked rose to 14,768. On the average each man working in or about the colliery obtained 213 days work during the year which made his average earnings \$4.50 per day. Underground workers were employed on the average 226 days during the year but the surface man worked only 179 days. In comparison with the totals for 1923, the figures just quoted show that the men worked less time and also received a slightly lower average wage per day in 1924.

Table 69.—Number of Employees, Salaries and Wages Paid in the Coal Mines of New Brunswick, 1923 and 1924

	1923	1924
Number of salaried employees—		
Male	28	26
Female	3	3
Number of wage-earners—		
Surface	178	162
Underground	434	446
Total	643	637
Salaries and wages—		
Salaries	\$ 66,768	\$ 64,676
Wages	749,395	583,749
Total	816,163	648,425

Table 70.—Employment and Earnings in the Coal Mines of New Brunswick, 1921-1924

	1921	1922	1923	1924
Average number of employees—				
Surface	165	215	178	162
Underground	284	396	434	446
Total	449	611	612	608
Day's work done—				
Surface	32,546	51,565	48,817	29,076
Underground	60,292	98,021	116,079	100,690
Total	92,838	149,586	164,896	129,772
Average number of days worked per man per year—				
Surface	197	240	274	179
Underground	213	248	267	226
All employees	207	245	269	213
Total wages paid	\$ 479,792	565,877	749,395	583,749
Average wage earned per man per day	\$ 5 17	3 78	4 54	4 50

Table 71.—Number of Employees, Work Done by Months in the Coal Mines of New Brunswick, 1924

Month	Number of employees			Days' work done		
	Surface	Under-ground	Total	Surface	Under-ground	Total
1924						
January	179	424	603	3,155	11,156	14,311
February	177	441	621	4,367	10,213	14,580
March	196	453	649	3,140	10,635	13,775
April	168	454	622	2,534	10,517	13,051
May	172	457	629	2,452	8,481	10,934
June	167	445	612	1,658	5,315	6,973
July	169	455	624	1,554	6,003	7,557
August	152	418	570	1,554	5,911	7,465
September	148	437	585	1,874	7,112	8,986
October	142	435	577	1,774	6,291	8,065
November	149	449	598	1,942	7,365	9,307
December	129	484	613	3,071	11,697	14,768
Total				29,076	100,696	129,772

Table 72.—Average Number of Employees in the Coal Mines of New Brunswick by Classes, 1923 and 1924

Classification	1923			1924		
	Surface	Under-ground	Total	Surface	Under-ground	Total
SURFACE—						
Administration.....	11		11	13		13
Firemen and clerks.....	12	8	20	14	10	24
Screenmen and loaders.....	29	1	30	35		35
UNDERGROUND—						
Officials.....	2	2	4		2	2
Hand cutters and helpers.....		422	422		429	429
Machine cutters.....					4	4
Machine loaders and helpers.....		1	1		1	1
Horse haulage employees.....	5		5	3		3
Mechanical haulage employees.....						
Ventilation employees.....						
Roadmakers.....						
Timbermen.....	15		15	11		11
Pumpmen.....	6		6	5		5
MISCELLANEOUS—						
Enginemmen.....	14		14	11		11
Firemen.....	3		3	3		3
Machinists.....	2		2	2		2
Carpenters and masons.....	4		4			4
Other mechanics.....	1		1	3		3
All other employees.....	74		74	58		58
Total.....	178	434	612	162	446	608

Capital Employed.—New Brunswick's 16 coal mines represented a capital investment of \$1,808,354 in 1924 as compared with \$1,694,138 in 1923. Of this amount \$1,242,828 was given as the value of property and equipment; \$43,236 as the value of supplies on hand and \$522,290 as cash on hand and credit balance of operating accounts. A higher value for the 16 properties was reported in 1924 than for the 17 mines in operation in 1923.

Table 73.—Capital Employed in the Coal Mines of New Brunswick, 1923 and 1924

Capital employed as represented by—	1923	1924
	\$	\$
Cost of lands, buildings, plant, machinery and tools.....	1,054,886	1,242,828
Cost of supplies and stock on hand.....	66,728	43,236
Cash, trading and operating accounts and bills receivable.....	572,524	522,290
Total.....	1,694,138	1,808,354

CHAPTER FIVE

QUEBEC

Coal Supply.—Quebec, like Ontario, is dependent on outside sources for its supply of fuel. For many years large supplies have been drawn from the maritime provinces, but to meet the requirements of the province large importations have also been made from the United States. In recent years considerable quantities of coal have been imported from Great Britain. Some coal is cleared from Customs each year through the ports of Quebec and for this reason a table of exports by ports has been included in the record. More important from the point of view of supply, are the records of imports into Quebec from the United States and Great Britain and the shipments into those provinces from Canadian mines. There has been a gradual increase in the amount of Canadian coal made available for consumption in Quebec during the past five years with a corresponding diminution of supply from foreign sources.

Exports of Canadian coal through the ports of Quebec in 1924 amounted to 9,005 tons nearly all of which was cleared from Customs through the port of Montreal.

Imports of coal by ports of entry have been prepared in tabular form covering the past three years. In 1924, imports of coal from the United States into Quebec totalled 2,616,087 tons including 1,525,516 tons of bituminous coal and 1,090,571 tons of anthracite. In the same year, imports from Great Britain amounted to 268,984 tons including only 39,842 tons of bituminous and 229,142 tons of anthracite. Importations therefore amounted to 2,885,071 short tons. This, with the 1,655,767 tons obtained from other Canadian provinces and less the 9,005 tons exported through Quebec ports, left 4,531,833 tons of coal available for consumption within the province. Bituminous coal included in this total amounted to 3,212,120 tons; anthracite, to 1,319,713 tons. In the preceding year, the amount of coal made available for consumption within this province was approximately 2 million tons greater, reaching a total of 6,517,179 tons. In that year, the amount of coal obtained from Canadian mines was 1,540,284 tons and imports from the United States totalled 4,534,342 tons, while receipts from Great Britain reached a total of 442,556 tons. Imports from Great Britain were greater in 1922 than in any other of the five years for which data are given in the summary tables.

Table 74.—Exports of Canadian Coal through Quebec Ports, 1922-1924

(Short tons)

Port	1922	1923	1924
Abercorn.....			9
Athelstan.....	2,799	3	
Coaticook.....	80		
Lake Megantic.....			
Montreal.....	10,649		8,606
Quebec.....	1,500		
St. Armand.....	29,304		
St. John's.....	10,943		300
Sherbrooke.....			
Total.....	55,275	3	9,005

Table 75.—Imports into Quebec of Anthracite and Bituminous Coal by Grades and Ports of Entry, 1922-1924

(Short tons)

Port	Source and year	Anthracite			Bituminous			Total all grades
		Egg, nut, etc.	Dust	Total	Round and run-of-mine	Slack	Total	
Abercorn.....	U.S.....1922				51		51	51
	1923	3		3	2		2	5
	1924	1,861		1,861	6,928		9,886	11,747
Athelstan.....	U.S.....1922	42,439	138	42,577	271,403	59,180	330,583	373,160
	1923	132,002	4,212	136,214	680,493	169,699	850,192	986,406
	1924	28,008	549	28,557	153,722	65,414	219,136	247,693
Beebe Junction.....	U.S.....1922	1,329		1,329	3,550	7,024	10,571	11,900
	1923	2,634		2,634	3,869	13,419	17,288	19,922
	1924	2,412		2,412	3,382		3,382	5,794
Coaticook.....	U.S.....1922	133	116	249	90		90	369
	1923	188	873	1,061	898		898	1,959
	1924	204	878	1,082	85		85	1,167
Gaspé.....	U.S.....1922				5,342	1,123	6,465	6,465
	1923				11,028		11,028	11,028
	1924	313		313	2,837		2,837	3,150
Granby.....	G.B.....1922				20,250		20,250	20,250
	1923				15,207		15,207	15,207
	1924				5,009		5,009	5,009
Highwater.....	U.S.....1922	251	92	343	51		51	51
	1923				937		937	1,280
	1924							
Hull.....	U.S.....1922	6,862	47	6,909	7,693	22,653	39,346	37,255
	1923	14,434	3,592	18,026	12,728	48,817	61,545	79,571
	1924	12,401	1,554	13,955	12,321	16,612	28,933	42,888
Lake Mégantic.....	G.B.....1922				991		991	991
	U.S.....1923	48		48	125		125	173
	1924	83		83	171		171	254
Mansonville.....	U.S.....1922							
	1923							
	1924				53		53	53
Montreal.....	U.S.....1922	186,149	14,949	201,098	590,545	125,874	716,419	917,517
	1923	308,275	40,656	348,931	1,136,855	305,907	1,592,762	1,851,693
	1924	156,892	21,662	181,654	482,237	380,376	862,613	1,044,267
Paspebiac.....	G.B.....1922	105,135	13,281	118,416	299,647	126,941	426,588	515,004
	1923	160,236	21,356	181,592	10,953	105,942	116,895	238,487
	1924	215,420		215,420	10,059	18,678	28,737	244,157
Percé.....	U.S.....1922	250		250	68		68	318
	1923	606		606		258	258	864
	1924	585		585				585
Port Burwell.....	G.B.....1922	551		551				551
	1923							
	1924							
Quebec.....	U.S.....1922	91		91				91
	1923	281		281	90		90	371
	1924	115		115				115
St. Armand.....	U.S.....1922				40		40	40
	1923							
	1924							
St. John's.....	U.S.....1922	42,010	2,480	44,490	56,169	9,102	65,271	109,800
	1923	82,612	638	83,250	101,705	12,378	114,083	197,333
	1924	55,608	870	56,478	137,583	4,426	142,009	198,487
Shawinigan Falls.....	G.B.....1922	25,354		25,354	75,495	46,131	121,626	146,980
	1923	22,211		22,211	16,392	89,001	105,393	127,607
	1924	13,722		13,722	3,640	2,456	6,096	19,818
Sorel.....	Other Countries.....1922				75		75	75
	U.S.....1923	301		301	95	95	190	491
	1924	569		569	227	37	264	833
St. Hyacinthe.....	U.S.....1922	159		159		191	191	350
	1923	3,271	834	4,105	4,100	141	4,331	8,436
	1924	8,531	1,032	9,563	5,536	43	5,579	15,142
St. John's.....	U.S.....1922	1,906	384	2,290	820	171	991	2,381
	1923	4,151	116	4,267	4,967	832	5,799	10,366
	1924	5,755	51	5,806	9,573	2,069	11,642	17,448
St. John's.....	U.S.....1922	4,008	111	4,119	9,094	1,373	10,467	14,586
	1923	315,307	164,263	479,570	29,498	2,646	32,144	451,714
	1924	758,812	81,947	840,759	52,729	2,220	54,949	895,708
Sherbrooke.....	U.S.....1922	637,010	59,869	696,879	44,138	2,458	46,596	743,466
	1923	3,827		3,827	4,196	27,639	31,835	35,662
	1924	3,488	127	3,615	12,451	95,196	107,590	111,565
Sorel.....	U.S.....1922	4,377	107	4,484	6,425	44,451	50,876	55,369
	1923	7,675	7,244	14,919	27,139	3,438	39,577	45,496
	1924	13,294	55,160	68,454	33,415	5,682	39,097	107,551
Sorel.....	G.B.....1922	9,544	32,003	41,547	32,649	5,247	37,896	80,143
	1923	433		433				433
	1924							
Sorel.....	U.S.....1922	1,958		1,958	2,998	58	3,056	5,014
	1923	4,345		4,345	14,750	1,034	15,784	20,129
	1924	408	118	526	15,003	2,447	17,450	17,976
Sorel.....	G.B.....1922				267		267	267

Table 75.—Imports into Quebec of Anthracite and Bituminous Coal by Grades and Ports of Entry, 1922-1924—Concluded

(Short tons)

Port	Source and year	Anthracite			Bituminous			Total all grades
		Egg, nut, etc.	Dust	Total	Round and run-of-mine	Slack	Total	
Three Rivers.....	U.S. 1922	8,798	25,984	34,782	37,894	981	38,875	73,657
	1923	10,145	63,201	73,346	94,739	642	95,381	168,727
	1924	5,473	35,393	40,866	73,598	329	73,927	114,793
	G.B. 1922	8,747		8,747	35,312	4,482	39,794	48,541
	1923	271		271				271
	1924							
Valleyfield	U.S. 1922	8,308		8,308	6,307	3,520	9,833	18,141
	1923	13,678	127	13,805	16,035	17,042	33,977	47,782
	1924	12,625		12,625	11,369	5,782	17,151	29,776
Total	U.S. 1922	633,237	156,210	789,447	1,052,369	264,309	1,316,669	2,106,116
	1923	1,359,735	251,616	1,611,351	2,187,348	735,643	2,922,991	4,534,342
	1924	933,390	157,181	1,090,571	993,281	532,235	1,525,516	2,616,087
	G.B. 1922	139,236	13,281	152,517	431,962	177,554	609,516	762,033
	1923	183,702	21,356	205,058	42,552	194,946	237,498	442,556
	1924	229,142		229,142	18,708	21,134	39,842	268,984
	Other Countries 1922				75		75	75
Grand Total	1922	772,473	169,491	941,964	1,484,322	441,863	1,926,185	2,868,149
	1923	1,543,437	272,972	1,816,409	2,229,906	930,589	3,160,489	4,976,898
	1924	1,162,532	157,181	1,319,713	1,011,889	553,369	1,565,358	2,885,071

Table 76.—Summary Statistics for 1920-1924—Exports, Interprovincial Shipments, Imports and Coal Made Available for Consumption in Quebec

(Short tons)

	1920	1921	1922	1923	1924
CANADIAN COAL—					
Received from Canadian provinces—					
Bituminous	280,880	901,756	1,454,214	1,540,284	1,655,767
Lignite			102		
Total	280,880	901,756	1,454,316	1,540,284	1,655,767
Exported—					
Total Bituminous	1,372	85	55,275	3	9,005
IMPORTED FROM—					
United States—					
Anthracite	1,544,456	1,311,712	789,447	1,611,351	1,090,571
Bituminous	3,503,410	2,684,566	1,316,669	2,022,991	1,525,516
Total	5,047,866	3,996,278	2,106,116	4,534,342	2,616,087
Great Britain—					
Anthracite			152,517	205,058	229,142
Bituminous			(a) 609,591	237,498	39,842
Total			762,108	442,556	268,984
Total—					
Anthracite	1,544,456	1,311,712	941,964	1,816,409	1,319,713
Bituminous	3,503,410	2,684,566	1,026,260	3,160,489	1,565,358
Total	5,047,866	3,996,278	2,868,224	4,976,898	2,885,071
COAL MADE AVAILABLE FOR CONSUMPTION—					
Anthracite	1,544,456	1,311,712	941,064	1,816,409	1,319,713
Bituminous	3,782,918	3,586,237	3,325,199	4,700,770	3,212,420
Lignite			102		
Total	5,327,374	4,897,949	4,267,265	6,517,179	4,531,833

(a) Includes 75 tons imported from Other Countries.

CHAPTER SIX

ONTARIO

Coal Supply.—Ontario derives its entire supply of coal from outside sources. Most of the coal imported into this province comes from the United States but in recent years some coal has also been obtained from Great Britain. Owing to the long freight haul between Ontario and Canada's coal fields either in the East or the West, it has not been found possible to transport any very considerable tonnages to Ontario. Attempts have been made recently to obtain reduced freight rates on solid trains of coal, but apart from experimental shipments there has been little accomplished in this direction.

It is difficult to say definitely how much coal is consumed in Ontario annually, as by far the greater part of the province is only sparsely settled and coal dumped at Fort William and Port Arthur is not only used in northern and western Ontario but it is also shipped westward into Manitoba. For this reason it has been found advisable in compiling the data for this series of reports to consider Ontario in two parts. Central Ontario, or the area lying to the east and south of Sault Ste. Marie is well settled and highly industrialized. Moreover, coal imported through any port in this area is likely to be consumed within the boundaries above defined. For convenience, and because of the difficulty in making a true separation as between the tonnages of coal used in north-western Ontario and Manitoba, statistics have been prepared for the coal consuming area embracing Manitoba and north-western Ontario.

Anthracite coal consumption in central Ontario does not vary greatly from year to year but averages about 2.5 million tons.

Dependent on industrial activity the imports of bituminous coal show a greater variation in quantity due to the fluctuations of industrial demand but the average consumption during the past five years has been about 9.5 million tons.

In the imports tables a complete list of Customs' ports in Ontario is presented but there are special totals for the ports in central Ontario and for the ports at the head of the lakes.

Table 77.—Exports of Canadian Coal through Ontario Ports, 1922-1924

(Short tons)

Port	1922	1923	1924
Bridgeburg.....		33	
Fort Frances.....	76	844	
Total	76	877	

Table 78.—Imports into Ontario of Anthracite and Bituminous Coal by Grades and by Ports of Entry, 1922-1924

(Short tons)

Port	Source and year	Anthracite			Bituminous			Total all grades
		Egg, nut, etc.	Dust	Total	Round and run- of-mine	Slack	Total	
CENTRAL ONTARIO—								
Amherstburg.....	U.S. 1922	5,826		5,826	41,556	19,734	61,290	67,116
	1923	9,254	198	9,452	43,241	20,211	63,452	72,904
	1924	8,400	278	8,678	36,911	35,463	72,374	81,052
Belleville.....	U.S. 1922	17,475		17,475	15,689	44,832	60,521	77,996
	1923	35,732	1,099	36,831	19,335	115,734	135,069	171,900
	1924	34,729	46	34,775	14,011	81,242	95,253	130,028
Bowmanville.....	U.S. 1922	3,892		3,892	1,764	3,917	5,681	9,573
	1923	5,854		5,854	2,235	5,175	7,410	13,264
	1924	6,197		6,197	1,722	2,749	4,471	10,668
Brantford.....	U.S. 1922	37,726	890	38,616	32,524	13,532	46,056	84,672
	1923	56,497	1,158	57,655	46,176	17,361	63,537	121,192
	1924	48,721	1,364	50,085	29,691	12,976	42,667	92,752

Table 78.—Imports into Ontario of Anthracite and Bituminous Coal by Grades and by Ports of Entry, 1922-1924—Continued

(Short tons)

Port	Source and year	Anthracite			Bituminous			Total all grades
		Egg, nut, etc.	Dust	Total	Round and run- of-mine	Slack	Total	
CENTRAL ONTARIO—(CON.)								
Bridgeburg.....	U.S. 1922	24,996	158	25,154	814,069	3,656	817,725	842,879
	1923	34,421	1,880	36,301	882,598	16,049	898,647	934,948
	1924	40,609	1,325	41,934	938,027	9,820	947,847	999,781
Brockville.....	U.S. 1922	16,358		16,358	7,120	3,080	10,200	26,558
	1923	26,451		26,451	9,960	5,201	15,161	41,612
	1924	21,542		21,542	6,667	3,298	9,965	31,507
Chatham.....	U.S. 1922	2,996	194	3,190	134,446	30,642	165,088	168,278
	1923	5,847	129	5,976	266,564	63,973	330,537	335,513
	1924	7,241	240	7,481	200,126	173,970	374,096	381,580
Cobourg.....	U.S. 1922	21,287		21,287	254,329	6,657	260,986	282,273
	1923	33,634		33,634	493,459	12,841	506,300	539,934
	1924	23,806		23,806	314,882	6,340	321,222	345,028
Collingwood.....	U.S. 1922	5,721		5,721	4,563	1,702	6,265	11,986
	1923	9,563	158	9,721	10,070	4,149	14,219	23,940
	1924	9,745		9,745	9,036	2,196	11,232	20,977
Cornwall.....	U.S. 1922	11,208	9,585	20,793	26,878	7,088	33,966	54,759
	1923	19,394	13,262	32,656	26,729	8,910	35,639	68,295
	1924	15,281	21,301	36,582	11,242	10,788	22,030	58,612
Deseronto.....	U.S. 1922	697		697	686		686	1,383
	1923	4,038		4,038	1,640	49	1,689	5,727
	1924	629		629	1,184		1,184	1,813
Fort Frances.....	U.S. 1922	12		12	53,924	14,158	68,082	69,094
	1923	429		429	76,943	18,496	95,439	95,868
	1924	237		237	52,322	17,937	70,259	70,496
Galt.....	U.S. 1922	21,917	527	22,444	29,907	4,661	34,568	57,012
	1923	39,383	437	39,820	39,025	7,988	47,013	86,933
	1924	33,241	294	33,535	26,045	9,853	35,898	69,433
Gananoque.....	U.S. 1922	4,404		4,404	3,880	648	4,528	8,932
	1923	9,725	69	9,794	7,215	1,461	8,676	18,470
	1924	5,199		5,199	3,935	1,382	5,317	10,516
Goderich.....	U.S. 1922	17,783		17,783	14,617	18,547	33,164	50,947
	1923	31,458	593	32,051	16,657	33,425	50,082	82,133
	1924	28,828	356	29,184	13,059	29,958	43,017	72,201
Guelph.....	U.S. 1922	30,009	53	30,062	55,810	22,048	77,858	107,920
	1923	55,363	539	55,902	59,957	22,851	82,808	138,760
	1924	46,821	307	47,128	47,830	22,950	70,780	117,908
Hamilton.....	U.S. 1922	105,302	12,046	117,348	485,252	104,247	589,499	706,847
	1923	237,538	16,016	253,554	770,754	168,370	939,124	1,192,678
	1924	189,960	14,384	204,344	479,955	133,259	613,214	817,558
Ingersoll.....	U.S. 1922	3,579		3,579	13,455	3,565	17,020	20,599
	1923	8,148		8,148	13,900	4,571	18,471	26,619
	1924	8,492		8,492	12,607	3,892	16,499	24,991
Kenora.....	U.S. 1922							
	1923	32		32				32
	1924	27		27				27
Kingston.....	U.S. 1922	40,560	78	40,638	24,388	11,812	36,200	76,838
	1923	59,680	1,420	61,100	28,266	27,891	56,157	117,257
	1924	41,680	1,095	42,655	22,761	21,958	44,719	87,404
Kitchener.....	U.S. 1922	31,656	825	32,481	44,778	18,923	63,701	96,182
	1923	59,241	2,347	61,588	58,708	36,153	94,861	156,449
	1924	51,893	1,602	53,495	40,449	33,062	73,511	127,006
Lindsay.....	U.S. 1922	7,621		7,621	4,629	2,735	7,364	14,985
	1923	15,175	248	15,423	6,409	4,533	10,942	26,365
	1924	12,706		12,706	6,607	3,807	10,414	23,120
London.....	U.S. 1922	79,705	1,365	81,070	59,650	27,374	87,024	168,094
	1923	148,200	3,979	152,179	81,996	38,197	120,193	272,372
	1924	124,272	1,572	125,844	69,764	30,282	100,046	225,890
Midland.....	U.S. 1922	5,502		5,502	123,609	744	124,353	129,855
	1923	5,366	65	5,431	195,553	8,253	203,806	209,237
	1924	5,101	99	5,200	92,846	3,761	96,607	101,807

Table 78.—Imports into Ontario of Anthracite and Bituminous Coal by Grades and by Ports of Entry, 1922-1924—Continued

(Short tons)

Port	Source and year	Anthracite			Bituminous			Total all grades
		Egg, nut, etc.	Dust	Total	Round and run- of-mine	Slack	Total	
CENTRAL ONTARIO—(Con.)								
Morrisburg	U.S. 1922	2,476		2,476	717	42	759	3,235
	1923	4,594		4,594	1,622		1,622	6,216
	1924	3,564		3,564	2,137		2,137	5,701
Napanee	U.S. 1922	4,100	20	4,129	2,926	4,717	7,643	11,772
	1923	9,889	225	10,114	2,534	7,516	10,050	20,164
	1924	8,124	49	8,173	2,069	9,345	11,414	19,587
Niagara Falls	U.S. 1922	58,763	328	59,091	25,618	12,392	38,010	97,101
	1923	99,401	1,111	100,515	33,335	25,014	58,349	158,864
	1924	94,599	222	94,821	34,699	8,839	43,538	138,359
North Bay	U.S. 1922	13,177	52	13,229	117,520	31,212	148,732	161,961
	1923	26,033		26,033	348,220	93,749	441,969	468,002
	1924	24,226		24,226	176,667	40,354	217,021	241,247
	G.B. 1922				1,777	3,217	4,994	4,994
Orillia	U.S. 1922	7,802		7,802	13,104	4,798	17,902	25,704
	1923	12,067	102	12,169	19,985	12,621	32,606	44,775
	1924	11,144		11,144	15,797	12,004	27,801	38,945
Oshawa	U.S. 1922	12,900	79	12,979	16,154	18,713	34,867	47,846
	1923	23,933	205	24,138	21,608	20,687	42,295	66,433
	1924	22,550	264	22,814	15,341	18,800	34,150	56,964
Ottawa	U.S. 1922	114,162	813	114,975	102,026	55,965	157,991	272,966
	1923	245,813	1,623	247,436	153,606	98,514	252,120	499,556
	1924	181,035	857	182,792	112,544	74,458	187,002	369,794
	G.B. 1923	1		1				1
	1924							
Owen Sound	U.S. 1922	6,414	36	6,450	15,944	629	16,573	23,023
	1923	10,740	223	10,963	19,785	1,732	21,517	32,480
	1924	9,736		9,736	16,602	1,534	18,136	27,872
Paris	U.S. 1922	6,507		6,507	8,542	655	9,197	15,704
	1923	14,124	204	14,328	12,261	1,592	13,853	28,181
	1924	13,184	186	13,370	9,075	347	9,422	22,792
Parry Sound	U.S. 1922	1,275		1,275	313,235	16,751	329,986	331,261
	1923	1,693		1,693	471,315	89,873	561,188	562,881
	1924	2,069		2,069	234,910	146,458	381,368	383,437
Peterboro	U.S. 1922	19,417	106	19,523	21,525	3,773	25,298	44,821
	1923	28,538	540	29,078	36,226	6,449	42,675	71,753
	1924	30,939	195	31,134	22,111	8,284	30,395	61,529
Picton	U.S. 1922	4,939		4,939	3,569		3,569	8,508
	1923	10,356	49	10,405	4,561		4,561	14,966
	1924	7,250		7,250	4,619		4,619	11,869
Port Hope	U.S. 1922	5,511	84	5,595	1,820	5,865	7,685	13,280
	1923	8,107	285	8,392	3,108	6,680	9,794	18,186
	1924	8,797		8,797	2,458	5,497	7,955	16,752
Port McNicoll	U.S. 1922	218		218	23,324		23,324	23,542
	1923	224		224	23,421		23,421	23,648
	1924	195		195	17,431		17,431	17,626
Prescott	U.S. 1922	14,067	64	14,071	324,261	16,858	344,122	355,193
	1923	13,434	1,437	14,871	449,161	102,479	551,639	566,511
	1924	10,103		10,103	372,098	92,415	464,513	474,616
St. Catharines	U.S. 1922	27,673	1,801	29,471	81,819	106,173	187,992	217,466
	1923	58,689	2,795	61,484	118,477	149,436	267,913	329,397
	1924	51,464	1,916	53,380	117,810	88,221	206,031	259,411
	G.B. 1922				1,935		1,935	1,935
	1924							
St. Thomas	U.S. 1922	16,062	131	16,193	94,835	16,031	110,866	127,059
	1923	32,515	462	32,977	160,231	28,859	189,090	222,067
	1924	30,196		30,196	164,192	21,739	185,931	216,127
Sarnia	U.S. 1922	2,312		2,312	419,957	121,524	541,481	543,793
	1923	4,061	203	4,264	622,287	180,522	802,809	807,673
	1924	5,262		5,262	273,361	188,991	462,352	467,614
Sault Ste. Marie	U.S. 1922	3,888		3,888	424,184	92,529	516,713	520,601
	1923	15,319	813	16,162	776,482	362,445	1,138,927	1,155,089
	1924	14,801	174	14,975	684,630	223,082	907,712	922,687

Table 78.—Imports into Ontario of Anthracite and Bituminous Coal by Grades and by Ports of Entry, 1922-1924—Concluded

(Short tons)

Port	Source and year	Anthracite			Bituminous			Total all grades
		Egg, nut, etc.	Dust	Total	Round and run-of-mine	Slack	Total	
CENTRAL ONTARIO—(Con.)								
Simcoe.....	U.S. 1922	616	35	651	7,030	773	7,803	8,454
	1923	1,370		1,370	8,171	2,164	10,335	11,705
	1924	2,154		2,154	6,856	2,360	9,216	11,370
Stratford.....	U.S. 1922	30,619	92	30,711	25,462	48,723	74,185	104,896
	1923	60,109	758	60,867	138,905	53,083	191,988	252,855
	1924	52,480	329	52,809	36,318	55,247	91,565	144,374
Sudbury.....	U.S. 1922	5,923		5,923	2,894	1,466	4,360	10,283
	1923	12,093	576	12,669	10,356	4,900	15,256	27,925
	1924	13,899	198	14,097	9,872	1,413	11,285	25,382
	G.B. 1922	900		900				900
	1924							
Tilsonburg.....	U.S. 1922	842		842	157,490	9,238	166,728	167,570
	1923	3,124		3,124	325,399	30,415	355,814	358,938
	1924	4,583		4,583	281,610	12,343	293,953	298,536
Toronto.....	U.S. 1922	601,694	39,606	641,300	756,397	374,822	1,131,219	1,772,519
	1923	1,200,529	75,143	1,275,672	993,243	487,113	1,480,356	2,756,028
	1924	1,039,508	15,239	1,054,747	686,956	416,497	1,103,453	2,158,200
	G.B. 1923	2,243		2,243				2,243
	1924	6,251	1,844	8,095				8,095
Trenton.....	U.S. 1922	6,425	38	6,463	26,108	8,866	34,974	41,437
	1923	9,054	42	9,096	10,617	12,921	23,538	32,634
	1924	7,758	42	7,800	9,261	8,986	18,247	26,047
Wallaceburg.....	U.S. 1922	658		658	13,233	22,943	36,176	36,834
	1923	2,792	109	2,901	13,292	30,880	44,172	47,073
	1924	849		849	5,286	26,063	31,349	32,198
Welland.....	U.S. 1922	12,734		12,734	105,116	44,130	149,246	161,980
	1923	24,143	1,118	25,261	198,916	77,881	276,797	302,058
	1924	26,764	615	27,379	171,770	62,784	234,554	261,942
Whitby.....	U.S. 1922	4,712		4,712	2,964	4,258	7,222	11,934
	1923	9,547	106	9,653	3,710	5,306	9,016	18,669
	1924	10,125		10,125	2,692	7,175	9,867	19,992
Windsor.....	U.S. 1922	22,857	950	23,807	664,820	58,960	723,789	747,596
	1923	49,034	2,510	51,544	889,260	130,448	1,019,708	1,071,252
	1924	48,743	690	49,439	613,643	95,049	708,692	758,131
Woodstock.....	U.S. 1922	11,105	51	11,156	15,411	2,676	18,087	29,243
	1923	23,032	165	23,197	21,933	2,751	24,684	47,881
	1924	24,039	155	24,194	17,330	2,865	20,195	44,389
TOTAL FOR CENTRAL ONTARIO								
	U.S. 1922	1,516,930	70,016	1,586,946	6,035,531	1,449,793	7,485,324	9,071,360
	1923	2,925,510	134,454	3,059,964	9,049,420	2,667,878	11,717,298	14,777,262
	1924	2,526,400	65,310	2,591,710	6,551,833	2,282,102	8,833,935	11,425,645
	G.B. 1922	900		900	3,712	3,217	6,929	7,829
	1924	6,251	1,844	8,095				8,095
HEAD OF LAKES—								
Fort William.....	U.S. 1922	36,018		36,018	1,437,470	70,780	1,517,250	1,553,268
	1923	46,180	8,149	54,329	1,442,456	289,211	1,731,667	1,785,996
	1924	84,513		84,513	1,220,235	280,290	1,500,525	1,585,038
Port Arthur.....	U.S. 1922	21,507		21,507	444,916	103	415,019	466,526
	1923	28,229		28,229	556,614	62,423	619,037	647,264
	1924	4,775		4,775	366,840	36,548	403,388	408,163
TOTAL HEAD OF LAKES								
	U.S. 1922	57,525		57,525	1,882,386	70,883	1,962,269	2,019,791
	1923	74,499	8,149	82,648	1,999,070	351,634	2,350,704	2,433,262
	1924	89,288		89,288	1,587,075	316,838	1,903,913	1,993,201
Total for Ontario								
	U.S. 1922	1,573,555	70,016	1,643,561	7,917,917	1,529,676	9,447,593	11,091,154
	1923	2,999,919	142,603	3,142,522	11,048,193	3,019,512	14,068,002	17,216,524
	1924	2,615,688	65,310	2,680,998	8,138,998	2,598,940	10,737,848	13,418,846
	G.B. 1922	900		900	3,712	3,217	6,929	7,829
	1924	6,251	1,844	8,095				8,095
Grand Total								
	1922	1,574,455	70,016	1,644,461	7,923,629	1,532,893	9,456,522	11,098,983
	1923	3,002,163	142,603	3,144,766	11,048,499	3,019,512	14,068,002	17,212,768
	1924	2,621,939	67,151	2,689,093	8,138,998	2,598,940	10,737,848	13,426,941

Table 79.—Summary Statistics for 1922-1924—Exports, Interprovincial Shipments, Imports and Coal Made Available for Consumption in Ontario

		Canadian Coal		Imported from U.S.A.	Imported from Great Britain	Coal available for consump- tion
		Received from other provinces	Exported			
CENTRAL ONTARIO—						
Anthracite.....	1922			1,586,036	900	1,586,936
	1923			3,059,964	2,244	3,062,208
	1924			2,591,710	8,095	2,599,805
Bituminous.....	1922	16,864	76	7,485,324	6,929	7,500,041
	1923	24,875	877	11,717,298		11,741,296
	1924	11,280		8,833,935		8,845,215
Lignite.....	1922					
	1923 (a)	51,331				51,331
	1924 (a)	16,239				16,239
Sub-Bituminous.....	1922					
	1923 (a)	1,560				1,560
	1924 (a)	558				558
Total.....	1922	16,864	76	9,071,360	7,829	9,095,977
	1923	77,766	877	14,777,262	2,244	14,856,395
	1924	28,077		11,425,645	8,095	11,461,817
HEAD OF LAKES—						
Anthracite.....	1922			57,525		57,525
	1923			82,558		
	1924			89,288		89,288
Bituminous.....	1922	924		1,962,269		1,963,193
	1923			2,350,704		2,350,704
	1924			1,903,913		1,903,913
Lignite.....	1922	21,019				21,019
	1923					
	1924					
Total.....	1922	21,943		2,019,794		2,041,737
	1923			2,433,262		2,433,262
	1924			1,993,201		1,993,201
TOTAL ONTARIO—						
Anthracite.....	1922			1,643,561	900	1,644,461
	1923			3,142,522	2,244	3,144,766
	1924			2,680,998	8,095	2,689,093
Bituminous.....	1922	17,788	76	9,447,593	6,929	9,472,234
	1923	24,875	877	14,068,002		14,092,000
	1924	11,280		10,737,848		10,749,128
Lignite.....	1922	21,019				21,019
	1923	51,331				51,331
	1924	16,239				16,239
Sub-Bituminous.....	1922					
	1923	1,560				1,560
	1924	558				558
Total.....	1922	39,807	76	11,091,154	7,829	11,137,714
	1923	77,766	877	17,210,524	2,244	17,289,657
	1924	28,077		13,418,846	8,095	13,455,018

(a) Includes all coal shipped to any points in Ontario from Western Mines.

CHAPTER SEVEN

MANITOBA

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

In 1924, the total coal made available for consumption in the area amounted to 2,905,492 tons of anthracite, 2,054,240 tons of bituminous, 665,935 tons of lignite and 61,807 tons of sub-bituminous coal. Almost all of the bituminous coal, and all of the anthracite imported, came from the United States; the lignite, sub-bituminous and 10,335 tons of the bituminous coal, were shipped into Manitoba from other Canadian provinces. Exports of Canadian coal cleared through Manitoba ports during the year amounted to 3,617 tons. From these data, it will be observed that approximately one-quarter of the total supply for the area was derived from Canadian sources, the balance being imported.

Apart from the fact that the tonnages reported under the various items in 1923 showed slightly higher totals, there was little difference in the records for the two years.

In 1922, the tonnages reported under the several items were only slightly below the figures quoted for 1924. In this chapter as in that immediately preceding, the table showing the summary statistics for the past few years has been made up in three sections, (a) Manitoba, (b) Head of Lakes, (c) Grand total for the area.

Table 80.—Exports of Canadian Coal through Manitoba Ports, 1922-1924

(Short tons)

Port	1922	1923	1924
Brandon.....	180	265	2
Emerson.....	1,258	4,571	1,600
Gretna.....	331	2,651	1,144
Winnipeg.....	313	726	871
Total.....	2,082	8,213	3,617

Table 81.—Imports into Manitoba and the Head of the Lakes, of Anthracite and Bituminous Coal by Grades and Ports of Entry, 1922-1924

(Short tons)

Port	Source and year	Anthracite			Bituminous			Total all grades
		Egg, nut, etc.	Dust	Total	Round and run-of-mine	Slack	Total	
MANITOBA—								
Brandon.....	U.S. 1922	194	30	224	2,618	7,927	10,545	10,769
	1923	1,652		1,652	3,686	9,136	12,821	14,473
	1924	1,444		1,444	2,202	15,679	17,881	19,325
Emerson.....	U.S. 1922			133			133	133
	1923	790		790	123		123	913
	1924	674		674	2,401		2,401	3,075
Gretna.....	U.S. 1922	301		301	898	372	1,270	1,571
	1923	2,166		2,166	1,619	11	1,633	3,799
	1924	1,601		1,601	1,011	11	1,022	2,623
Portage la Prairie.....	U.S. 1922		32	130	313	3,061	3,364	3,494
	1923	838	64	902	30	3,300	3,330	4,232
	1924	228		228	284	2,717	3,031	3,259
Winnipeg.....	U.S. 1922	10,382	3,678	14,060	25,529	31,007	59,436	73,596
	1923	48,844	1,502	50,346	28,871	65,350	94,227	144,573
	1924	26,377	3,898	30,275	37,486	81,788	119,274	149,549
Total for Manitoba.....	U.S. 1922	10,975	3,740	14,715	29,491	45,357	74,848	89,563
	1923	51,290	1,564	52,854	31,328	77,806	112,134	167,990
	1924	30,324	3,898	34,222	43,384	100,223	143,609	177,831
HEAD OF LAKES—								
Fort William.....	U.S. 1922	26,018		26,018	1,437,470	76,780	1,517,250	1,553,268
	1923	46,180	8,149	54,329	1,412,456	289,211	1,731,667	1,785,996
	1924	84,513		84,513	1,220,235	280,290	1,500,525	1,585,038
Port Arthur.....	U.S. 1922	21,507		21,507	444,916	103	445,019	466,526
	1923	28,229		28,229	556,014	62,123	619,037	647,266
	1924	4,775		4,775	306,840	56,548	433,388	408,163
Total, Head of Lakes.....	U.S. 1922	57,525		57,525	1,882,386	79,883	1,962,269	2,019,794
	1923	74,409	8,149	82,558	1,999,070	351,634	2,350,704	2,433,262
	1924	89,288		89,288	1,587,075	316,838	1,903,913	1,993,201
Total for Manitoba and Head of Lakes.....	U.S. 1922	68,500	3,740	72,249	1,911,877	125,240	2,037,117	2,109,357
	1923	128,699	9,715	138,414	2,033,398	429,440	2,462,838	2,601,252
	1924	119,612	3,898	123,510	1,630,459	417,063	2,047,522	2,171,032

Table 82.—Summary Statistics for 1922-1924—Exports, Interprovincial Shipments, Imports and Coal Made Available for Consumption in Manitoba

(Short tons)

Province		Canadian Coal		Imported from U.S.A.	Coal Available for Consumption
		Received from other provinces	Exported		
MANITOBA—	Anthracite.....	1922	10	14,715	14,725
		1923		55,856	55,856
		1924		34,222	34,222
	Bituminous.....	1922	93,683	74,848	168,449
		1923	22,269	112,134	126,190
		1924	10,335	143,609	150,327
	Sub-Bituminous.....	1922			
		1923	61,064		61,064
		1924	61,807		61,807
	Lignite.....	1922	604,468		604,468
		1923	701,615		701,615
		1924	665,935		665,935
	Total.....	1922	688,161	89,563	785,642
		1923	784,948	167,990	944,725
		1924	738,077	177,831	912,291
HEAD OF LAKES—	Anthracite.....	1922		57,525	57,525
		1923		82,558	82,558
		1924		89,288	89,288
	Bituminous.....	1922	924	1,962,269	1,963,193
		1923	*	2,350,704	2,350,704
		1924	*	1,903,913	1,903,913
	Sub-Bituminous.....	1922			
		1923	*		
		1924	*		
	Lignite.....	1922	21,019		21,019
		1923	*		
		1924	*		
	Total.....	1922	21,943	2,019,794	2,041,737
		1923		2,433,262	2,433,262
		1924		1,993,201	1,993,201
MANITOBA AND HEAD OF LAKES—	Anthracite.....	1922	10	72,240	72,250
		1923		138,414	138,414
		1924		123,510	123,510
	Bituminous.....	1922	94,607	2,037,117	2,129,642
		1923	22,269	2,462,838	2,476,894
		1924	10,335	2,047,522	2,054,240
	Sub-Bituminous.....	1922			
		1923	61,064		61,064
		1924	61,807		61,807
	Lignite.....	1922	625,487		625,487
		1923	701,615		701,615
		1924	665,935		665,935
	Total.....	1922	729,104	2,082	2,827,379
		1923	784,948	8,213	3,377,987
		1924	738,077	3,617	2,905,492

*See Central Ontario, Table No. 79.

CHAPTER EIGHT

SASKATCHEWAN

Output.—In each of the past four years, increased outputs have been reported from Saskatchewan mines. In 1924, production totalled 479,118 tons valued at \$886,668 as compared with 438,100 tons in 1923 valued at \$858,448. In this province coal mining is carried on to a greater extent in the winter than in the summer as the province is a great wheat producing area and the mines are for the most part open workings which can be left idle without any great loss being sustained. In January, the output reported was 64,912 tons. From this total there was a gradual diminution each month to 14,664 tons in July, the lowest output reported during the year. Production increased in the autumn months reaching a total of 81,070 tons in November; this was the highest monthly output recorded during the year.

Table 83.—Output of Coal from Saskatchewan Mines, 1887-1924

Calendar year	Short tons	Value	Calendar year	Short tons	Value
1887.....	(a) 400	\$ 800	1906.....	108,398	\$ 161,116
1888.....			1907.....	151,232	252,437
1889.....			1908.....	150,556	253,790
1890.....	200	200	1909.....	192,125	296,339
1891.....			1910.....	181,156	293,923
1892.....	5,400	9,325	1911.....	206,779	347,248
1893.....	8,325	12,485	1912.....	225,342	368,135
1894.....	(b) 15,051	15,153	1913.....	212,897	358,192
1895.....	15,769	31,538	1914.....	232,299	374,245
1896.....	16,706	25,050	1915.....	240,107	365,246
1897.....	25,000	37,500	1916.....	281,300	441,836
1898.....	25,000	37,500	1917.....	355,445	662,451
1899.....	25,000	37,500	1918.....	346,847	722,148
1900.....	40,500	60,750	*1919.....	379,347	819,390
1901.....	45,000	72,000	*1920.....	335,222	797,828
1902.....	70,400	112,640	*1921.....	335,632	823,180
1903.....	116,703	169,618	*1922.....	382,437	802,053
1904.....	124,885	187,021	*1923.....	438,100	858,448
1905.....	107,596	152,334	*1924.....	479,118	886,668
			Total.....	5,876,274	10,849,126

(a) From Turtle Mountain district, Manitoba.

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

*For the years 1919-1924 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 84.—Output of Coal from Saskatchewan Mines, by Months, 1920-1924

(Short tons)

Month	1920	1921	1922	1923	1924
January.....	37,256	32,474	41,623	52,488	64,912
February.....	28,789	30,628	39,759	40,801	43,008
March.....	29,732	27,332	29,772	43,825	34,754
April.....	21,251	23,721	16,489	24,697	27,344
May.....	18,413	17,455	18,611	17,937	25,501
June.....	18,436	18,766	19,795	16,491	19,298
July.....	12,891	16,270	19,970	18,714	11,694
August.....	14,715	22,816	24,309	19,700	17,508
September.....	19,865	20,268	29,761	28,331	34,938
October.....	30,068	34,458	41,248	51,943	49,241
November.....	55,217	52,520	51,543	20,645	81,070
December.....	48,586	41,915	50,537	52,528	77,140
Total.....	335,222	335,632	382,437	438,100	479,118

Table 85.—Output of Coal by Principal Collieries in Saskatchewan for 1922, 1923 and 1924—(Average of 500 tons or more per month)
(Short tons)

Name	Address	1922	1923	1924
Addie, W.	Estevan.		213	1,235
Bienfait Mine.	Bienfait, Sask.	74,542	97,067	94,376
Big Lump Coal Co. (formerly Bourguin & Smith)	Estevan.	708	7,368	14,350
Crescent Collieries, Ltd.	Bienfait.	39,190	57,946	54,698
Eastern Collieries of Bienfait, Ltd.	Estevan.		4,235	23,177
Estevan Coal and Brick Co., Ltd.	Estevan, Box 210		3,947	145
Lignite Coal Mines, Ltd. (formerly Andrew A. Miller)	c/o T. P. Roberts, Taylortown.	1,089	14,879	22,863
MacKenzie, Geo. A. (formerly Western Collieries, Ltd.)	110 P. Burns Bldg., Calgary.			
	Alta.	4,088	2,717	1,024
Manitoba and Saskatchewan Coal Co., Ltd.	503 Ave. Block, Winnipeg, Man.	57,825	60,952	76,766
A. Nice	Estevan.	2,375	4,742	3,091
Nicholson, H.	Estevan.	3,903	1,457	1,461
Pierce McCallum, Ltd. (formerly Bienfait Commercial Co.)	Bienfait.	18,178	31,172	21,943
Shand Coal and Brick Co.	Shand.	19,047	20,965	30,174
Western Dominion Collieries	305 Trust and Loan Bldg., Winnipeg, Man.	124,911	99,213	96,627
All other operators		35,810	31,227	37,188
Total		382,437	438,100	479,118

Tonnage Lost.—Lack of orders was given as the principal cause of loss during the operating period. Only 65 per cent of the possible output was produced as compared with 75 per cent in 1923 and 77 per cent in 1922.

Table 86.—Tonnage Lost in Saskatchewan Coal Mines, showing the Relative Percentages Produced and Lost, with an Analysis of the Percentages Lost, 1922-1924

Year	Per cent produced	Per cent lost	Percentage lost through				
			Absenteeism	Lack of orders	Car shortage	Mine disability	Other causes
1922.....	77	23	0.3	19.5	0.4	0.5	2.3
1923.....	75	25	0.9	17.8	1.1	1.6	3.6
1924.....	65	35	0.3	32.6	0.2	0.0	1.9

Disposition.—Apart from the fact that more coal was shipped from the mines in 1924 than in the preceding year, there were few changes in the figures of the disposition table for the two years 1923 and 1924. More lump coal and more slack coal were shipped in 1924 than in the preceding year and there was also a slight increase in the quantity of run-of-mine coal shipped.

Table 87.—Disposition of Coal from Saskatchewan Mines by Grades, 1923 and 1924
(Short tons)

Disposition	1923				1924			
	Run-of-mine	Lump	Slack	Total Coal	Run-of-mine	Lump	Slack	Total Coal
Supplied to employees for domestic consumption	2,235	1,763		3,998	2,033	1,939		3,972
Shipped as per Table 88	266,155	87,458	53,809	407,422	267,958	102,416	78,395	448,769
Used under colliery boilers, etc.	2,087	40	18,593	20,720	956		19,855	23,811
Used by company's railroads	2,967			2,967	3,329			3,329
Put on bank	4,873	170	120	5,163	2,414			2,414
Put on waste heap	79		2,616	2,695	102		2,292	2,394
Total disposition	278,396	89,431	75,138	442,965	276,792	104,355	100,542	481,689
Lifted from bank	4,844	21		4,865	2,529		42	2,571
Total output	273,552	89,410	75,138	438,100	274,263	104,355	100,590	479,118

Shipments.—Greater tonnages of coal were shipped to points within the province, to Manitoba, and for use by the railroads in 1924 than in 1923. Slightly more coal was shipped to Manitoba than to points in Saskatchewan; these two areas received 427,966 tons. At 19,218 tons, the quantity supplied to the railroads in 1924 showed an increase of approximately 5,000 tons over the preceding year.

Table 88.—Shipments of Coal from Saskatchewan Mines, by Grades and Destination, 1923 and 1924

(Short tons)

Destination	1923				1924			
	Run-of-mine	Lump	Slack	Total coal	Run-of-mine	Lump	Slack	Total coal
Saskatchewan.....	113,272	47,130	12,372	172,774	120,049	62,534	23,158	205,741
Alberta.....					1,110			1,110
Manitoba.....	139,938	39,587	39,861	219,386	129,623	39,473	53,129	222,225
Ontario.....		551		551	66	336		402
United States.....	33	190		223		73		73
Railroads.....	12,912		1,576	14,488	17,110		2,108	19,218
Total	266,155	87,458	53,809	407,422	267,958	102,416	78,395	448,769

Exports.—Coal cleared for export through Saskatchewan ports in 1924 amounted to less than half the tonnage shipped out in the preceding year but was only slightly less than the total for 1922. Saskatchewan does not participate in the export trade to any great extent as a ready market for its output is found locally and in the adjacent province of Manitoba.

Table 89.—Exports of Canadian Coal through Saskatchewan Ports, 1922-1924

(Short tons)

Port	1922	1923	1924
North Portal.....	3,703	4,204	2,770
Regina.....	1,347	7,306	1,958
Total	5,049	11,510	4,728

Imports.—There was a slight increase in the total tonnage of United States coal imported into Saskatchewan in 1924, over the total for 1923. This increase was wholly in the amount of bituminous coal. Anthracite brought in dropped to 1,720 tons from a total of 2,291 tons in the preceding year.

Table 90.—Imports into Saskatchewan of Anthracite and Bituminous Coal by Grades and by Ports of Entry, 1922-1924

(Short tons)

Port	Source and year	Anthracite			Bituminous			Total all grades
		Egg, nut, etc.	Dust	Total	Round and run-of-mine	Slack	Total	
Moose Jaw.....	U.S. 1922	111		111	217	249	466	577
	1923	1,609		1,609	327	359	686	2,295
	1924	1,398		1,398	654	305	959	2,357
North Portal.....	U.S. 1922				69		69	69
	1923	98		98	58		58	156
	1924	83		83 (a)	342		342	425
Prince Albert.....	U.S. 1922					115	115	115
	1923	82		82	36	155	191	273
	1924					116	116	116
Regina.....	U.S. 1922		120	120	77	317	394	514
	1923	159	166	325		279	279	604
	1924	68	33	101	32	453	485	586
Saskatoon.....	U.S. 1922				22	418	449	440
	1923	177		177		393	393	570
	1924	139		139		659	659	797
Total	U.S. 1922	111	120	231	385	1,099	1,484	1,715
	1923	2,125	166	2,291	421	1,186	1,607	3,898
	1924	1,687	33	1,720 (a)	1,028	1,533	2,561	4,281

(a) Includes 139 tons lignite coal imported from United States.

Consumption.—By far the greater part of Saskatchewan's coal supply is obtained from Canadian mines. Practically the whole of the output from the mines within the province is available for local consumption. Supplies from other Canadian provinces, mostly from Alberta, amount to more than a million tons annually. Some Saskatchewan coal is shipped to other Canadian provinces and there is a little exported. In 1924, the total quantity of coal made available for consumption in Saskatchewan was 1,469,135 tons. There is little variation in the amount of coal made available for use in this province in different years.

Table 91.—Summary Statistics for 1920-1924—Output, Exports Interprovincial Shipments, Imports and Coal Made Available for Consumption in Saskatchewan

(Short tons)

	1920	1921	1922	1923	1924
CANADIAN COAL—					
Output—					
Total Lignite.....	335,222	335,632	382,437	438,100	479,118
Received from other Canadian provinces—					
Anthracite.....	4,657	3,033	790		
Bituminous.....	176,618	150,470	147,299	101,820	75,153
Sub-bituminous.....				29,275	54,789
Lignite.....	1,138,600	983,589	1,106,648	1,120,447	1,084,259
Total	1,319,875	1,137,092	1,254,653	1,251,542	1,214,201
Shipped—					
Total Lignite.....	151,018	155,954	169,813	219,937	223,737
Exported—					
Total Bituminous.....	3,132	2,633	5,040	11,510	4,728
IMPORTED FROM—					
United States—					
Anthracite.....	206	254	231	2,291	1,720
Bituminous.....	535	2,127	1,484	1,607	2,422
Lignite.....					139
Total	741	2,381	1,715	3,898	4,281
COAL MADE AVAILABLE FOR CONSUMPTION—					
Anthracite.....	4,863	3,287	1,027	2,291	1,720
Bituminous.....	174,021	149,964	143,653	91,917	72,847
Sub-bituminous.....				29,275	54,789
Lignite.....	1,322,804	1,163,267	1,319,272	1,338,610	1,339,779
Total	1,501,688	1,316,518	1,463,952	1,462,093	1,469,135

Employment.—A few more men on the average were employed in Saskatchewan coal mines in 1924 than in the preceding year. Including both salaried employees and wage-earners, the average for the year was 564 as compared with a total of 542 in 1923. Men working in or about the colliery averaged 214 days' employment during the year and their average earnings amounted to \$4.51 per working day. Surface workers obtained on the average 220 days' employment during the year while those on the underground staff averaged 212 days.

Salaries and wages totalled \$568,935 in 1924 as against a total of \$598,394 in the preceding year.

Table 92.—Number of Employees, Salaries and Wages Paid in the Coal Mines of Saskatchewan, 1923 and 1924

	1923	1924
Salaried employees—		
Male.....	34	41
Female.....	3	4
Wage-earners—		
Surface.....	126	115
Underground.....	379	404
Total.....	542	564
Salaries and wages—		
Salaries.....	69,011	67,531
Wages.....	529,383	501,404
Total.....	598,394	568,935

Table 93.—Employment and Earnings in the Coal Mines of Saskatchewan, 1921-1924

	1921	1922	1923	1924
Average number of wage-earners—				
Surface.....	126	115	126	115
Underground.....	309	345	379	404
Total.....	435	460	505	519
Days' work done—				
Surface.....	24,512	26,844	29,483	25,302
Underground.....	58,111	77,941	87,276	85,820
Total.....	82,623	104,785	116,759	111,122
Average number of days worked per man per year—				
Surface.....	194	233	233	220
Underground.....	188	226	230	212
Total.....	190	228	231	214
Total wages paid.....	\$ 489,696	431,244	529,383	501,494
Average wage earned per man per day.....	\$ 5 93	4 12	4 53	4 51

Table 94.—Number of Employees, Work Done by Months and Wages Paid in Saskatchewan Coal Mines in 1924

Month	Number of employees			Day's work done		
	Surface	Under-ground	Total	Surface	Under-ground	Total
1924						
January.....	147	581	728	3,476	13,097	16,573
February.....	137	499	636	2,399	8,093	10,492
March.....	117	420	537	1,984	5,984	7,968
April.....	99	321	420	1,598	4,511	6,109
May.....	91	285	376	1,436	4,054	5,490
June.....	94	286	380	1,293	3,397	4,690
July.....	79	248	327	942	2,629	3,571
August.....	75	261	336	1,083	2,976	4,059
September.....	85	301	386	1,331	4,266	5,597
October.....	131	443	574	2,634	9,017	11,651
November.....	162	595	757	3,295	14,115	17,410
December.....	161	605	766	3,831	13,681	17,512
Total.....				25,302	85,820	111,122

Table 95.—Average Number of Employees in Saskatchewan Coal Mines, by Classes, 1923 and 1924

Classification	1923			1924		
	Surface	Under-ground	Total	Surface	Under-ground	Total
SURFACE—						
Administration.....	10	1	11	10	1	11
Foremen and clerks.....	16	2	18	17	2	19
Screenmen and loaders.....	28		28	36	1	37
UNDERGROUND—						
Officials.....	1	7	8		7	7
Hand cutters and helpers.....		260	260	1	283	284
Machine cutters.....		5	5		10	10
Machine loaders and helpers.....	1	10	11		23	23
Horse haulage employees.....	2	43	45	2	45	47
Mechanical haulage employees.....	2	7	9		3	3
Ventilation employees.....					1	1
Roadmakers.....		11	11		12	12
Timbermen.....		13	13		4	4
Pumpmen.....		10	10	1	6	7
MISCELLANEOUS—						
Engineers.....	11		11	12	1	13
Firemen.....	12		12	11		11
Machinists.....	3		3	2		2
Carpenters and masons.....	6		6	4		4
Other mechanics.....	3		3	2		2
All other employees.....	31	4	35	17	5	22
Total.....	126	379	505	115	404	519

Capital Employed.—There was a reduction in the reported value of mine properties and equipment in Saskatchewan in 1924 in comparison with the totals for 1923. Including the value of properties, cost of supplies and the cash and credit account balance, the total capital employed in the operation of Saskatchewan coal mines in 1924, amounted to \$2,902,820 as compared with a total of \$3,453,086 in 1923. No explanation is offered for the reduction in the value reported for coal mine properties; as 64 mines were operated during 1924, or 3 more than in the preceding year, and as the output in 1924 was greater than 1923, the reduction in the amount of capital employed is even more noticeable than it would be if the totals for 1924 were less than for the preceding year.

Table 96.—Capital Employed in the Coal Mines of Saskatchewan, 1923 and 1924

Capital employed as represented by—	1923	1924
	\$	\$
Cost of lands, buildings, plant machinery and tools.....	3,091,982	2,545,523
Cost of supplies and stock on hand.....	47,307	59,384
Cash, trading and operating accounts and bills receivable.....	313,737	297,913
Total.....	3,453,026	2,902,820

CHAPTER NINE

ALBERTA

Output.—Alberta lost its leading place among the coal producing provinces of Canada in 1924, yielding that position to Nova Scotia. Labour difficulties reduced the output during the summer months, and the total production for the year amounted to only 5,189,729 tons, a reduction of nearly 2 million tons from the total of 6,854,397 tons reported in the preceding year and a loss of about three quarters of a million tons from the outputs in 1922 and 1921. Beginning the year with an output of 921,706 tons, the coal mines of Alberta showed a gradually reduced output, month by month, until July when production amounted to only 92,526 tons. From September until the end of the year, there was a very considerable recovery in production each month so that in December the total rose to 816,179 short tons.

No anthracite was produced in the Banff district during the year.

Lignite coal made up about three-fifths of the total tonnage, the output of this kind of coal amounting in all to 3,085,179 short tons or slightly less than the production in each of the two preceding years. Bituminous coal output dropped to 1,514,382 tons or less than half the total reported in the preceding year. Production of sub-bituminous coal on the other hand showed a slight increase to a total of 590,168 tons.

More than one half of Alberta's total output was derived from the mines of five coal mining districts; in order of production these were, Crow's Nest Pass, Drimheller, Lethbridge, Clover Bar and Wayne. Crow's Nest Pass district coal is classed as bituminous; Yellow Head district coal as sub-bituminous; Drimheller, Lethbridge, Clover Bar and Wayne coals as lignite.

Table 97.—Output of Coal from Alberta Mines, 1886-1924

Calendar year	Short tons	Value	Calendar year	Short tons	Value
		\$			\$
1886.....	43,220	81,112	1906.....	1,246,360	2,614,762
1887.....	74,152	157,577	1907.....	1,591,579	3,836,286
1888.....	115,124	183,354	1908.....	1,685,661	4,127,311
1889.....	97,364	179,640	1909.....	1,994,741	4,838,109
1890.....	128,753	198,298	1910.....	2,894,469	7,065,736
1891.....	174,131	437,243	1911.....	1,511,036	3,979,264
1892.....	178,970	460,005	1912.....	3,240,577	8,114,525
1893.....	230,070	586,260	1913.....	4,014,755	10,418,941
1894.....	184,940	473,827	1914.....	3,683,015	9,350,302
1895.....	169,885	382,526	1915.....	3,360,818	8,283,079
1896.....	209,162	581,832	1916.....	4,559,051	11,386,577
1897.....	242,163	630,408	1917.....	4,730,368	14,153,685
1898.....	315,088	787,720	1918.....	5,072,816	20,537,287
1899.....	309,600	774,000	1919.....	4,933,660	18,205,205
1900.....	311,459	778,825	1920.....	6,907,765	30,186,933
1901.....	340,275	850,687	1921.....	5,909,217	27,246,514
1902.....	402,819	960,601	1922.....	5,990,911	24,351,913
1903.....	495,893	1,117,541	1923.....	6,854,397	28,018,303
1904.....	661,732	1,404,523	1924.....	5,189,729	18,884,318
1905.....	931,917	1,993,915			
			Total.....	81,893,636	268,618,435

*For the years 1919-1924 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 98—Output of Coal from Alberta Mines, by Months, 1920-1924
(Short tons)

Month	1920	1921	1922	1923	1924
January.....	727,808	557,787	594,983	846,497	921,706
February.....	529,890	484,479	620,094	718,560	635,572
March.....	468,788	439,169	625,441	518,604	682,522
April.....	386,787	322,663	144,939	435,544	151,257
May.....	422,612	286,476	159,731	466,324	121,538
June.....	509,065	351,562	113,108	401,727	99,539
July.....	514,504	417,451	149,433	508,290	92,526
August.....	574,663	662,599	247,042	612,039	132,415
September.....	619,544	534,619	737,533	449,229	265,329
October.....	577,497	591,361	929,379	647,412	482,502
November.....	803,221	719,777	866,696	663,657	788,644
December.....	774,355	570,244	802,532	546,514	816,179
Total.....	6,907,765	5,909,217	5,990,911	6,854,397	5,189,729

Table 99.—Output of Coal by Districts in Alberta, 1921-1924
(Short tons)

District	1922	1923	1924
ANTHRACITE—			
Banff.....	40,417	107	.....
BITUMINOUS—			
Brazzau.....	396,700	493,939	174,772
Cammore.....	169,807	264,448	131,827
Crow's Nest Pass.....	1,025,771	1,602,292	912,550
Jasper Park.....	338,250	248,659	8,547
Mountain Park.....	355,853	634,474	285,086
Yellowhead Pass (a).....	560,212	See Sub-Bituminous	.....
Total Bituminous.....	2,846,405	3,243,803	1,514,382
SUB-BITUMINOUS—			
Calgary (b).....	.....	860	904
High River.....	.....	2,086	3,545
Pincher Creek.....	.....	9,435	12,362
Saunders (b).....	.....	76,698	68,546
Yellowhead.....	.....	377,413	504,811
Total Sub-Bituminous.....	.....	466,492	590,168
LIGNITE—			
Altersyde.....	11,684	8,943	10,059
Battle River.....	21,633	17,424	17,142
Big Valley.....	37,813	46,773	56,130
Bow Island.....	6,264	8,214	4,323
Brooks.....	16,694	8,488	7,586
Canrose.....	77,799	71,129	90,637
Carlton.....	39,443	50,470	108,007
Cardiff.....	108,925	72,032	108,939
Clover Bar.....	435,433	395,474	400,826
Drumheller.....	1,169,640	821,717	669,010
Edmonton.....	112,282	130,498	138,848
Gleichen (b).....	42,945	28,559	42,108
Hanna.....	2,502	See Sub-Bituminous	.....
High River (a).....	20,017	11,622	12,915
Lacombe.....	566,260	653,990	402,214
Lethbridge.....	3,203	2,809	2,518
Magrath.....	34,076	23,163	50,206
Medicine Hat.....	8,579	5,704	7,200
Milk River.....	8,345	13,251	19,151
Nanaimo.....	.....	790	796
Peace River.....	112,728	111,686	116,705
Pembina.....	10,944	See Sub-Bituminous	.....
Pincher Creek (a).....	.....	159,100	127,515
Rosedale (b).....	.....	5,276	6,845
Strathcona (b).....	64,037	27,750	30,532
Taber.....	44,200	42,127	69,457
Three Hills.....	86,872	102,396	110,551
Tofield.....	21,173	15,625	15,168
Trochu.....	40,580	56,634	80,491
Wabamun.....	.....	244,004	310,388
Wayne (b).....	.....	.....	.....
Total Lignite.....	3,104,089	3,143,905	3,085,179
Total Alberta.....	5,990,911	6,854,397	5,189,729

(a) Reported in Sub-bituminous for 1923 and 1924.
(b) New district reported in 1923.

Table 100.—Output by Principal Collieries in Alberta, 1922-1924
(Average of 500 tons or more per month)

(Short tons)

Name and Address	1922	1923	1924
Anthracite			
BANFF DISTRICT—			
Canadian Pacific Railway, Dept. of Natural Resources, Calgary.....	40,417	107	
Total	40,417	107	
Bituminous			
BRAZEAU DISTRICT—			
Alexo Coal Mining Co., Ltd., Saunders.....	25,079		
Bighorn & Saunders Creek Collieries, Saunders.....	25,136		
Brazeau Collieries Ltd., Nordegg.....	321,469	493,930	174,772
Harlech Coal Co., Nordegg.....	3,500		
Saunders Alberta Collieries Ltd., Saunders.....	21,522		
Total	396,706	493,930	174,772
CANMORE DISTRICT—			
Canmore Coal Co., Ltd., Canmore.....	169,747	264,448	134,827
All other operators.....	60		
Total	169,807	264,448	134,827
CROWS NEST PASS DISTRICT—			
Hillcrest Collieries Ltd., Hillcrest.....	177,054	279,011	159,060
International Coal and Coke Co., Ltd., Coleman.....	113,304	258,167	118,061
McGillivray Creek Coal Co., Coleman.....	267,294	427,374	249,609
Mohawk Bituminous Mines Ltd. (formerly Bellevue Collieries Ltd.), 414 Lancaster Bldg., Calgary.....	22,634	13,582	20,036
Pass Bituminous Collieries Ltd.....			2,811
West Canadian Collieries Ltd., Blairmore.....	445,148	624,128	362,888
All other operators.....	337		85
Total	1,025,771	1,602,292	912,550
JASPER PARK DISTRICT—			
Blue Diamond Coal Co., Ltd., 602 Standard Bank Bldg., Toronto, Ont.....	337,856	248,659	6,547
All other operators.....	400		
Total	338,256	248,659	6,547
MOUNTAIN PARK DISTRICT—			
Cadomin Coal Co., Ltd., 282 Main Street, Winnipeg, Man.....	171,432	297,507	157,402
Luscar Collieries Ltd., 708 Tegler Bldg., Edmonton.....	82,649	151,192	61,111
Mountain Park Coal Co., 708 Tegler Bldg., Edmonton.....	101,572	185,865	67,173
Total	355,653	634,474	285,686
YELLOWHEAD DISTRICT—			
Balkan Coal Co., Ltd. (Alberta Standard Coal Co.), Robb.....	12,805		
Blackstone Coal Co., 733 Tegler Bldg., Edmonton.....	66,155		
Coal Valley Mining Co., Ltd., 806 McLeod Bldg., Edmonton.....	38,849		
Foothills Collieries Ltd., 222 Portage Ave., Winnipeg, Man.....	25,827		
McLeod River Hard Coal Co., Mercoal.....	17,497	See Sub-	Bituminous
Sterling Collieries Ltd., 911 McLeod Bldg., Edmonton.....	367,514		
Yellowhead Coal Co., Coalspur.....	31,565		
Total	560,212		
Total Bituminous	2,846,495	3,243,893	1,514,393
Sub-Bituminous			
CALGARY DISTRICT		800	904
HIGH RIVER DISTRICT	See Lignite	2,086	3,545
PINCHER CREEK DISTRICT—			
Estill L. (Glacier Coal Co., Ltd.), Lundbreck.....	See Lignite	4,363	3,691
All other operators.....	"	5,072	8,671
Total		9,435	12,362
SAUNDERS DISTRICT—			
Alexo Coal Mining Co., Ltd., Alexo.....	See Brazeau	31,053	24,916
Bighorn & Saunders Creek Collieries, Saunders.....	"	27,940	38,169
Harlech Coal Co., Nordegg, Alta.....	"	583	
Stanley, C. H. (formerly Acorn Coal Co. Ltd. also Saunders Alberta Coal Co. Ltd.), West Saunders, Alta.....	"	17,122	5,461
Total		76,698	68,546

Table 100.—Output by Principal Collieries in Alberta 1922-1924—
(Average of 500 tons or more per month)—Continued

(Short tons)

Name and Address	1922	1923	1924
Sub-Bituminous—Concluded			
YELLOWHEAD DISTRICT—	See Bituminous		
Balkan Coal Co., Ltd. (Alberta Standard Coal Co., Ltd.), Robb.....		17,764	26,723
Blackstone Coal Co., Ltd., 733 Tegler Bldg., Edmonton.....	"	21,161	22,215
Coal Valley Mining Co., Ltd., 806 McLeod Bldg., Edmonton.....	"	113,431	154,522
Foothills Collieries Ltd., 222 Portage Ave., Winnipeg, Man.....	"	24,008	39,128
Saunders Ridge Coal Co. Ltd. (formerly McLeod River Hard Coal Co.), Coal-spur.....	"	16,512	18,792
Sterling Collieries Ltd., 911 McLeod Bldg., Edmonton.....	"	174,835	215,203
Superior Collieries Ltd., 3 McDougall Court.....	"	8,892	27,493
All other operators.....	"	810	745
Total.....	"	377,413	501,811
Total Sub-Bituminous.....	"	466,492	590,168
Lignite			
ALDERSTYDE DISTRICT.....	11,684	8,943	10,059
BATTLE RIVER DISTRICT—			
Bish Bros. & Le Gear, Forestburg.....	3,655	2,420	1,673
All other operators.....	17,978	15,004	15,469
Total.....	21,633	17,424	17,142
BIG VALLEY DISTRICT—			
Big Valley Collieries, Box 34, Edmonton.....	31,215	30,208	46,708
Vimy Coal, Light and Power Co., Big Valley.....	2,770	3,596	4,918
All other operators.....	3,828	3,879	4,504
Total.....	37,813	46,773	56,130
BOW ISLAND DISTRICT.....	6,264	6,214	4,323
BROOKS DISTRICT—			
Blackfoot Indian Agency, Gleichen.....	2,855	See Gleichen	
Kleenbinn Collieries, Ltd., Eyremore.....	6,121	5,734	4,095
All other operators.....	7,715	2,751	3,491
Total.....	16,691	8,486	7,586
CAMROSE DISTRICT—			
Canadian Dinant Coal Co., Dinant.....	28,218	29,213	30,799
Chappell, E. (formerly North American Collieries), Tofield, Alta.....	1,114	1,028	5,671
National Collieries, Round Hill, Alta.....			3,670
Round Hill Collieries, Ltd., Round Hill.....	9,036	9,561	10,518
Spicer Coal Co., Ltd., Dinant.....	26,316	20,368	25,677
Stoney Creek Collieries, Ltd., Camrose.....	8,368	6,589	8,229
All other operators.....	4,847	4,370	6,073
Total.....	77,799	71,129	90,637
CARBON DISTRICT—			
Carbon Gem Mine Co. (formerly Love & Fuller), Carbon, Alta.....	11,275	1,086	5,323
Peerless Carbon Collieries Ltd., Carbon, Alta.....	4,533	10,436	57,230
Peerless Carbon Coal Mines Ltd. (formerly Carbon Coal Agencies), Carbon.....	8,759	29,096	29,817
Shannon Coal Co., Ltd., Carbon.....	5,938	6,820	10,617
All other operators.....	10,938	3,032	5,020
Total.....	39,443	50,470	108,007
CARDIFF DISTRICT—			
Burner Coal Co., Ltd., 121 Adams Block, Edmonton.....	37,740		
Canadian Coal Co., Ltd. (formerly Cardiff Collieries, Ltd.), 206 Quebec Bldg., Edmonton.....	38,374	57,721	88,095
North Star Coal Co. (formerly Alta. Coal Mg. Co., Ltd.), Cardiff.....	32,390	14,210	20,244
All other operators.....	421	101	
Total.....	108,925	72,032	108,939
CLOVER BAR DISTRICT—			
Bush Mine Coal Co., 11213-65th St., Edmonton.....	58,513	60,216	64,914
Clover Bar Coal Co., Ltd., 413 McLeod Bldg., Edmonton.....	20,053	3,579	
Fraser McKay Collieries, 10055-101st St., Edmonton.....	65,782	76,649	77,856
Great West Coal Co., Ltd. (Black Diamond Mine), 10026-101A Ave., Edmonton.....	112,486	101,753	103,230
Humberstone Coal Co., Ltd., 11213-65th St., Edmonton.....	113,727	57,602	58,867
Keith, Fulton Coal Co., Clover Bar.....	6,513	5,434	4,118
Marcus Coal Mines, Ltd. (formerly McIntyre & Son), 914 McLeod Bldg., Edmonton.....	50,024	81,100	76,204
Ottewell Coal Mine, Clover Bar.....	7,613	7,244	11,873
All other operators.....	722	1,896	3,764
Total.....	435,433	395,473	400,826

**Table 100.—Output by Principal Collieries in Alberta 1922-1924—
(Average of 500 tons or more per month)—Continued**

(Short tons)

Name and Address	1922	1923	1924
DRUMHELLER DISTRICT—			
Alberta Block Coal Co., Ltd., Drumheller.....	85,630	53,333	70,322
Atlas Coal Co., Ltd., Drumheller.....	59,095	99,283	43,840
Caledonian Collieries, Ltd. (formerly Scranton Coal Co., Ltd.), Drumheller.....	31,037	9,544	34,100
Callie Coal Co., Ltd. (formerly Drumheller Land Co., Ltd.), Drumheller.....	9,413		
Craig Coal Co., Ltd., Drumheller, Alta.....			23,746
Elgin Coal Co., Ltd., Drumheller.....	56,661	86,438	62,826
Excelsior Collieries, Ltd., 11th Ave. and 11th St. West, Calgary.....	15,533	See Wayne	
Gibson Collieries, Drumheller.....	47,769	37,890	9,685
Great West Coal Co., Ltd. (Star Mine), Aerial.....	37,923	See Rosedale	
Hy-Grade Coal Co., Drumheller.....	87,972	121,291	82,107
Ideal Coal Co., Ltd., 28 Mackie Bldg., Calgary.....	12,332	See Wayne	
Jewel Collieries, Ltd., Wayne.....	52,682	See Wayne	
Marzoli & Co. (1923, Crown Reserve Coal Co., Ltd.), Rosedale Station.....	9,912	See Rosedale	
Midland Collieries, Ltd., Midlandvale.....	52,605	50,461	43,131
Mid-West Collieries, Ltd., Drumheller.....	54,691	60,482	55,285
Moonlight Coal Co., Ltd., Rosedale Station.....	7,038	See Rosedale	
Newcastle Coal Co., Ltd., Drumheller.....	71,851	103,984	67,962
Newcastle Junior Mfg., Drumheller.....	78,459	105,676	59,417
Premier Coal Co., Ltd., Drumheller.....	15,961	8,092	
Rosedale Coal Co., Ltd., Rosedale.....	95,813	See Rosedale	
Rose-Deer Coal Mfg. Co., Ltd., Wayne.....	70,344	See Wayne	
Sheffield Collieries, Ltd. (formerly Capital Collieries), Wayne.....	4,951	See Wayne	
Standard Coal Co. (formerly Celtic Coal Co., Ltd.), Box B, Wayne.....	7,815	See Wayne	
Sunshine Coal Co., Wayne.....	16,210	See Wayne	
Thomas, I. D., Coal Co. (formerly North American Collieries, Red Deer Valley Coal Co., owners), Nacmine.....	40,834	8,255	62,352
Western Commercial Co., Ltd., Wayne.....	57,741	See Wayne	
Western Gem Coal Co., Ltd., Drumheller.....	75,738	73,094	50,752
All other operators.....	13,626	3,891	3,395
Total.....	1,169,646	821,717	669,010
EDMONTON DISTRICT—			
Crown Coal Co. (Penn Coal Co., Ltd.), 1351-82nd St., Edmonton.....	47,110	71,549	81,238
Dawson Coal Co., Ltd., 7 McDougall Court, Edmonton.....	18,163	17,298	19,036
Edmonton Collieries, Ltd., 10117-102nd St., Edmonton.....	20,361	19,704	23,554
Reid & Brown (c/o Premier Coal Co., Ltd.), 11247-69th St., Edmonton.....	4,974	15,381	15,026
McPeak Coal Co., 112th Ave. and 76th St., Edmonton.....	15,404	6,551	
All other operators.....	6,270	15	
Total.....	112,282	130,498	138,848
GLEICHEN DISTRICT—			
Blackfoot Indian Agency, Gleichien.....	See Brooks	1,762	204
All other operators.....		8,546	8,588
Total.....		10,308	8,792
HANNA DISTRICT—			
Anderson, W. J., Sheerness.....	9,208	7,468	10,946
Commonwealth Coal Co., Ltd. (formerly Oscar Collieries, Ltd.), Sheerness.....	9,496	1,380	5,643
Warneboldt, Julius, Sheerness.....	5,740	6,404	12,940
All other operators.....	18,501	13,307	12,669
Total.....	42,945	28,559	42,198
HIGH RIVER DISTRICT—			
	2,502	See Sub-Bituminous	
LACOMBE DISTRICT—			
	20,017	11,622	12,945
LETHBRIDGE DISTRICT—			
Canadian Pacific Ry. Co., Ltd., Dept. of Natural Resources, Calgary, Alta....	314,337	363,160	190,626
Chinook Coal Co., 117 Sherlock Bldg., Lethbridge.....	69,230	72,232	6,712
City of Lethbridge Coal Mines, Lethbridge.....	11,966	12,490	12,574
Consolidated Diamond Collieries, Ltd.....			9,671
Donaldson, C. S., Coal Co., Suite 1, Hill Block, Lethbridge.....	14,158	11,459	28,747
Lethbridge Coal Co., Box 784, Lethbridge.....	25,028	26,376	21,864
North American Collieries, Ltd., 909 Lancaster Bldg., Calgary.....	123,346	162,444	122,205
All other operators.....	8,204	5,829	9,815
Total.....	566,269	653,990	402,114
MAGRATH DISTRICT.....			
	3,203	2,809	2,518
MEDICINE HAT DISTRICT—			
Ajax Coal and Mfg. Co. (previously Oliphant, J. T.), Medicine Hat.....	20,721	13,966	39,749
Redcliff Brick and Coal Co., Ltd., Box 135, Redcliff.....	9,105	7,034	8,578
All other operators.....	4,250	2,163	1,879
Total.....	34,076	23,163	50,206

**Table 100.—Output by Principal Collieries in Alberta 1922-1924—
(Average of 500 tons or more per month)—Concluded**

(Short tons)

Name and Address	1922	1923	1924
MILK RIVER DISTRICT	8,579	5,704	7,200
NAMAO DISTRICT—			
Sturgeon Valley Collieries Ltd. (formerly Kelly Collieries), Carbondale, Alta.	7,987	11,667	17,165
All other operators.....	358	1,584	1,986
Total.....	8,345	13,251	19,151
PEACE RIVER DISTRICT		790	796
PEMBINA DISTRICT—			
North American Collieries, Ltd., 909 Lancaster Bldg., Calgary.....	112,728	111,474	116,533
All other operators.....		212	172
Total.....	112,728	111,686	116,705
PINCHER CREEK DISTRICT—			
Estell, L. (Glacier Coal Co., Ltd.), Lundbreck.....	4,386	See Sub-bituminous	
All other operators.....	6,588		
Total.....	10,944		
ROSEDALE DISTRICT—			
Great West Coal Co., Ltd., 506 Lombard Bldg., Winnipeg, Man.	See Drum-	51,886	34,002
	heller		
Moonlight Coal Co., Ltd., Rosedale Station.....	"	2,495	26
Partridge Coal Co., Rosedale Station.....	"		3,570
Rosemount Coal Co., Ltd. (formerly Crown Reserve Coal Co.), Rosedale.....	"	6,715	8,744
Rosedale Coal Co., Ltd., Rosedale.....	"	97,180	80,373
All other operators.....		824	800
Total.....		159,100	127,515
STRATHCONA DISTRICT		5,276	6,845
TABER DISTRICT—			
Bay Coal Co., Ltd. (E. Leblanc), Taber, Alta.....	137	4,744	13,841
Co-operative Coal Co. (formerly Rock Springs Mine), Elean, Alta.....	6,831	4,309	9,084
Majestic Coal Co., Ltd. (formerly Canada West Coal Co., Ltd.), Taber.....	20,390	7,297	56,376
Oilphant, John (formerly Regal Collieries Ltd. & Canadian Block Coal Co.), Taber.....	30,505	7,225	1,398
All other operators.....	6,174	4,153	9,833
Total.....	64,037	27,730	99,532
THREE HILLS DISTRICT—			
Ellis Coal Co., Ltd., Box 46, Three Hills.....	23,072	24,159	43,783
The Palisade Coal Co., Three Hills.....	18,522	15,957	25,065
All other operators.....	2,612	2,011	60
Total.....	44,206	42,127	69,457
TOFIELD DISTRICT—			
Dobell Coal Co., Ltd., 138 St. Peter St., Quebec, Que.....	30,208	15,531	20,042
Tofield Coal Co., Tofield.....	55,027	86,084	89,883
All other operators.....	1,037	781	626
Total.....	86,872	102,396	110,551
TROCHU DISTRICT—			
Ardley Hardite Collieries, Ltd. (formerly Parker Creek Collieries), Ardley....	5,835	2,830	5,153
Bray, Ed. (formerly North Star Coal Co.), Ahix, Alta.....	5,925	4,504	1,954
Challenger Coal Co. (formerly Ardley Hardite Collieries), Ardley.....		1,590	516
All other operators.....	9,413	6,701	7,545
Total.....	21,173	15,625	15,168
WABAMUN DISTRICT—			
Lakeside Coal, Ltd., 711 Tegler Bldg., Edmonton.....	40,473	56,634	80,380
All other operators.....	107		111
Total.....	40,580	56,634	80,491
WAYNE DISTRICT—			
Capital Collieries, Ltd. (formerly Sheffield Collieries, Ltd.), Wayne.....	See Drum-	3,920	11,728
Excelsior Collieries, Ltd., 11th Ave. and 11th St. West, Calgary.....	heller	23,128	34,940
Ideal Coal Co., 28 Mackie Bldg., Calgary.....	"	17,626	61,046
Jewel Collieries, Ltd., Wayne.....	"	50,958	48,169
Rose Dyer Coal Mg. Co., Ltd., Wayne.....	"	77,849	66,220
Standard Coal Co., Box B, Wayne.....	"	8,936	132
Superior Grade Coal Co. Ltd. (formerly Sunshine Coal Co. & S. Stocco), Wayne, Alta.....	"	10,306	13,080
Western Commercial Co., Ltd., Wayne.....	"	51,341	75,073
Total.....		244,064	319,388
Total Lignite	3,164,069	3,143,995	3,085,179
Total Alberta	5,990,911	6,854,397	5,189,729

Tonnage Lost.—In addition to the tonnage lost through labour troubles which closed the mines for extended periods during 1924 there was also a noticeable reduction in output during the operating periods, much of which was charged to lack of orders. Only 66 per cent of the possible output was produced during recognized operating periods. In 1923, production amounted to 73 per cent of the possible output.

A table has been prepared which shows relative percentages of coal produced and lost during 1923 and 1924 by districts with an analysis of the percentage lost.

Table 101.—Tonnage Lost in Alberta Coal Mines, showing by Districts the Relative Percentage Produced and Lost, with an Analysis of the Percentage Lost, 1923 and 1924

District	% Produced		% Lost		Percentage lost through									
					Absenteeism		Lack of orders		Car shortage		Mine disability		Other causes	
	1923	1924	1923	1924	1923	1924	1923	1924	1923	1924	1923	1924	1923	1924
ANTHRACITE—														
Banff.....	100													
BITUMINOUS—														
Braceau.....	72	73	28	27	0.9	5.8	15.0	14.6	11.6				0.5	6.6
Cammore.....	74	75	26	25	5.5	5.6	16.0	8.6					4.5	10.8
Crow's Nest Pass.....	77	52	23	48	1.2	0.8	10.8	7.4	7.4	0.2	0.1	0.4	3.5	39.2
Jasper Park.....	85	48	15	52		0.1	6.0	45.0	5.6		1.9		1.5	6.9
Mountain Park.....	82	86	18	14	3.6	1.5	9.9	7.9	2.8	1.9	0.2	1.2	1.9	1.5
Total Bituminous.....	77	60	23	40	1.9	1.3	11.5	7.6	6.6	1.7	0.3	0.5	2.7	28.9
SUB-BITUMINOUS—														
Calgary.....	46	69	54	31	10.1	0.9	12.7	5.8			7.9	5.1	23.3	19.2
High River.....	59	77	41	23			8.0	5.5					33.0	17.5
Pincher Creek.....	63	64	37	36	0.2		31.1	27.7			1.7	0.7	4.0	7.6
Saunders.....	75	84	25	16	0.6	0.3	20.7	12.2	0.2		1.3	0.1	3.2	3.4
Yellowhead.....	67	78	33	22		1.0	21.3	15.5	4.0	0.6	2.2	2.1	5.5	2.8
Total Sub-Bituminous.....	68	79	32	21	0.1	0.0	21.4	15.4	3.3	0.5	2.0	1.0	5.2	3.2
LIGNITE -														
Aldersyde.....	74	76	26	24			9.1	12.1			0.2		16.7	11.9
Battle River.....	69	58	31	42			13.5	19.4					17.5	22.6
Big Valley.....	65	65	35	35			31.9	30.8	0.1			0.3	3.0	3.9
Bow Island.....	56	48	44	52			25.9	30.9					18.1	21.1
Brooks.....	86	79	14	21			9.0	7.6			0.3	1.6	4.7	11.8
Canmore.....	80	82	20	18	1.2	0.8	15.7	13.3					3.1	3.9
Carlton.....	75	90	25	10	0.1	0.4	19.2	7.2		0.7	1.4		4.3	1.7
Cardiff.....	70	59	30	41			13.2	40.0	0.4	0.7	13.6		2.8	0.3
Clover Bar.....	83	72	17	28	0.4	0.4	14.9	26.5	0.2		0.3	0.4	1.2	0.7
Drumheller.....	63	53	37	47	0.6	0.5	28.5	14.5		0.5	0.9	0.3	7.0	31.2
Edmonton.....	84	78	16	22	0.6	0.3	13.7	8.2					1.7	13.5
Gleichen.....	75	76	25	24			12.5	5.3				0.9	12.5	17.8
Hanna.....	72	68	28	32	4.1	5.2	15.0	20.7					8.9	6.1
Lacombe.....	66	69	34	31	1.9	0.5	11.4	11.9				0.3	20.7	18.3
Lethbridge.....	66	60	34	40	0.6	0.5	30.9	14.4	0.1		0.2		2.2	25.1
Magrath.....	60	47	40	53	0.3	0.2	21.0	30.0					3.6	18.7
Medicine Hat.....	68	80	32	20			9.5	10.6				0.6	22.5	8.8
Milk River.....	64	62	36	38			20.6	17.5					15.4	20.5
Namoo.....	86	81	14	19	1.1	0.4	2.8	11.1			2.1	1.3	8.0	6.2
Pembina.....	71	73	29	27	3.3	2.3	15.4	23.2	7.1	1.0	3.1		0.1	0.5
Peace River.....	94	62	6	38									6.0	38.0
Pincher Creek.....	71	76	29	24	1.7	4.3	25.8	16.4			0.5	0.4	1.0	2.9
Rosedale.....	76	70	24	30	2.6	1.5	5.0	15.6			3.4		13.0	12.9
Strathcona.....	69	77	31	23		1.7	17.1	7.5			0.1	0.8	13.8	13.0
Taber.....	79	83	21	17	1.0	0.1	10.0	15.4		0.4			0.6	1.0
Three Hills.....	75	81	25	19			20.1	16.2					4.9	2.8
Tofield.....	61	57	39	43	0.2		18.6	14.1			3.7	2.5	16.5	26.4
Trochu.....	89	88	11	12	0.4	2.7	5.4	6.0		0.3	0.5	0.7	4.7	2.3
Wabamun.....	66	75	34	25	0.3	0.5	31.3	16.7		0.4	0.6	0.8	1.8	6.6
Wayne.....														
Total Lignite.....	70	66	30	34	0.6	0.7	24.3	17.4	0.2	0.2	0.8	0.3	4.1	15.4
Total for Alberta.....	73	66	27	34	1.2	0.6	18.4	13.9	3.2	0.7	0.7	0.5	3.5	18.3

Disposition.—As a result of the reduced output in 1924, the disposition of coal from the mines of Alberta in that year also receded to a much lower tonnage than that reported in 1923. Most of the loss was recorded in the shipments' item. There was little change in the other items. In line with the reduction in the output of bituminous coal, the disposition of that class of coal dropped to less than half the total reported in the preceding year. Shipments dropped to 1,442,393 tons as compared with a total of 3,112,032 in 1923.

Sub-bituminous coal shipments were greater in 1924 than in 1923; there were few changes in the other items of the disposition table.

Lignite shipments also were well maintained reaching a total of 2,876,951 tons as compared with a total of 2,924,443 tons in the preceding year. Only slight changes were noted in the other items of the disposition table.

Table 102.—Total Disposition of Coal from Alberta Mines by Grades, 1923 and 1924

(Short tons)

	1923					1924				
	Run-of-mine	Lump	Nut and other grades	Slack	Total coal	Run-of-mine	Lump	Nut and other grades	Slack	Total coal
Supplied to employees for domestic consumption.....	11,801	31,493	7,650	682	51,626	12,447	33,069	7,810	169	54,095
Coal shipped as per Table 107.....	3,544,013	1,961,862	514,069	437,079	6,447,023	1,984,315	1,817,182	637,637	412,139	4,851,273
Used under colliery boilers.....	105,210	2,480	11,762	149,469	268,921	63,286	2,474	15,505	115,283	196,548
Used by company's railroads.....	5,838	99	1,368	300	7,605	4,634	9	466	190	5,299
Used in making briquettes.....				37,363	37,363					
Put on bank.....	28,897	11,492	1,808	13,621	55,718	28,314	6,513	5,388	19,456	59,671
Put on waste heap.....	17,749	1	398	56,670	74,818	10,594	112		63,539	74,245
Total Disposition.....	3,713,508	1,997,427	537,055	695,084	6,943,074	2,103,590	1,859,959	666,806	619,776	5,241,131
Lifted from bank.....	18,292	14,463	2,205	53,717	88,677	32,175	6,203	3,122	9,903	51,402
Total Output.....	3,695,216	1,982,964	534,850	641,367	6,854,397	2,071,415	1,853,757	663,684	609,873	5,189,729

Table 103.—Disposition of Anthracite Coal from Alberta Mines by Grades, 1923 and 1924

(Short tons)

	1923					1924				
	Run-of-mine	Lump	Nut and other grades	Slack	Total coal	Run-of-mine	Lump	Nut and other grades	Slack	Total coal
Supplied to employees for domestic consumption.....	34				34					
Coal shipped as per Table 108.....		2			2					
Used under colliery boilers.....	73		210		283					
Used in making briquettes.....				36,952	36,952					
Total Disposition.....	107	2	210	36,952	37,271					
Lifted from bank.....		2	210	36,952	37,164					
Total Output.....	107				107					

No anthracite coal mined during 1924

Table 104.—Disposition of Bituminous Coal from Alberta Mines by Grades, 1923 and 1924

(Short tons)

	1923					1924				
	Run-of-mine	Lump	Nut and other grades	Slack	Total coal	Run-of-mine	Lump	Nut and other grades	Slack	Total coal
Supplied to employees for domestic consumption.	8,316	8,901	2,344	.....	19,561	9,540	8,195	1,066	.....	18,801
Coal shipped as per Table 109.....	3,025,840	11,174	9,480	65,538	3,112,032	1,380,550	5,575	4,204	52,064	1,442,393
Used under colliery boilers.....	93,207	0	.....	.....	93,207	51,091	.....	.....	.....	51,091
Used by company's railroads.....	3,581	.....	.....	.....	3,581	1,381	.....	.....	.....	1,381
Used in making briquettes.....	.....	.....	.....	411	411	.....	.....	.....	.....	.....
Put on bank.....	27,555	.....	.....	.....	27,555	26,087	.....	.....	.....	26,087
Put on waste heap.....	4,709	.....	.....	.....	4,709	1,976	.....	.....	.....	1,976
Total Disposition.....	3,163,298	20,081	11,824	65,949	3,261,152	1,474,525	13,770	5,270	52,064	1,545,629
Lifted from bank.....	17,349	.....	.....	.....	17,349	31,247	.....	.....	.....	31,247
Total Output.....	3,145,949	20,081	11,824	65,949	3,243,803	1,443,278	13,770	5,270	52,064	1,511,382

Table 105.—Disposition of Sub-Bituminous Coal from Alberta Mines, by Grades, 1923 and 1924

(Short tons)

	1923					1924				
	Run-of-mine	Lump	Nut and other grades	Slack	Total coal	Run-of-mine	Lump	Nut and other grades	Slack	Total coal
Supplied to employees for domestic consumption.....	1,015	301	212	.....	1,528	782	226	405	.....	1,413
Coal shipped as per Table 110.....	291,908	65,450	23,032	30,156	410,546	333,993	90,101	62,750	45,079	531,929
Used under colliery boilers.....	8,131	.....	424	4,235	12,790	7,407	.....	466	4,589	12,462
Used by the company's railroads.....	2,693	.....	.....	.....	2,693	3,253	.....	.....	.....	3,253
Put on bank.....	843	188	457	4,103	5,591	1,237	220	287	3,812	5,556
Put on waste heap.....	3,127	.....	.....	32,623	35,750	1,181	.....	.....	36,189	37,370
Total Disposition.....	307,117	65,939	24,125	71,117	468,298	347,853	90,547	63,914	89,669	591,983
Lifted from bank.....	787	126	475	418	1,806	918	120	308	469	1,815
Total Output.....	306,330	65,813	23,650	70,699	466,492	346,935	90,427	63,606	89,290	590,168

Table 106.—Disposition of Lignite Coal from Alberta Mines, by Grades, 1923 and 1924

(Short tons)

	1923					1924				
	Run-of-mine	Lump	Nut and other grades	Slack	Total	Run-of-mine	Lump	Nut and other grades	Slack	Total coal
Supplied to employees for domestic consumption.....	2,436	22,291	5,091	682	30,500	2,125	25,248	6,339	169	33,881
Coal shipped as per Table 111.....	226,265	1,875,236	481,557	341,385	2,924,443	269,772	1,721,506	570,677	314,996	2,876,951
Used under colliery boilers.....	3,709	2,474	11,128	145,234	162,545	1,788	2,474	15,039	110,694	129,995
Used by company's railroads.....	161	99	1,368	300	1,931	.....	9	466	190	665
Put on bank.....	499	11,304	1,351	9,418	22,572	90	6,293	5,101	15,644	27,128
Put on waste heap.....	9,913	1	398	24,017	34,329	7,437	112	.....	27,350	31,999
Total Disposition.....	242,966	1,911,405	599,596	521,066	3,176,353	281,212	1,755,612	597,622	469,043	3,103,519
Lifted from bank.....	156	14,335	1,520	16,347	32,358	10	6,082	2,814	9,434	18,340
Total Output.....	242,810	1,897,070	598,076	504,719	3,143,695	281,202	1,749,530	594,808	459,693	3,085,179

Shipments.—While the total shipments of coal from Alberta mines in 1924 amounted to only 4,851,273 short tons as compared with a total of 6,447,023 tons in 1923, by far the greater part of the loss was in the amount of coal supplied directly from the mines for use on the railroads. In this item the total for the year was 1,607,466 tons as compared with 3,116,245 tons supplied for railroad uses in 1923. Among the other items of the shipments table there was little change. Tonnages sold within the province were slightly greater in 1924 than in 1923, and this applied also to shipments to points in Manitoba. Shipments to Saskatchewan reached almost the same total as in the preceding year, but reductions were noted in the tonnages sold to Manitoba, Ontario, and the United States.

Separate tables have been prepared to show the shipments of bituminous coal, sub-bituminous coal and lignite by grades and destinations for 1923 and 1924.

Table 107.—Total Shipments of Coal from Alberta Mines, by Grades and Destination, 1923 and 1924

Destination	1923					1924				
	Run-of-mine	Lump	Nut and other grades	Slack	Total coal	Run-of-mine	Lump	Nut and other grades	Slack	Total coal
Alberta	219,772	563,478	243,858	285,984	1,312,892	239,495	564,167	290,253	276,448	1,370,363
Saskatchewan	103,746	872,548	156,288	87,210	1,219,832	112,069	800,618	186,769	90,341	1,189,797
British Columbia	30,806	49,955	15,728	3,250	109,739	30,711	53,460	25,477	1,274	110,922
Manitoba	25,068	421,355	76,419	29,433	553,175	20,179	384,086	86,742	20,635	511,642
Ontario	12,297	27,907	11,818	318	52,340	1,485	9,821	4,958	141	16,405
United States	29,555	14,034	9,842	30,271	83,705	3,064	4,868	19,430	17,316	44,678
Other places				95	95					
Railroads	3,112,869	2,545	316	515	3,116,245	1,577,312	162	24,008	5,981	1,607,466
Total	3,544,013	1,951,862	514,069	437,079	6,447,023	1,981,315	1,817,192	637,637	412,139	4,851,273

Table 108.—Shipments of Anthracite Coal from Alberta Mines, by Grades and Destination, 1923 and 1924

Destination	1923					1924				
	Run-of-mine	Lump	Nut and other grades	Slack	Total coal	Run-of-mine	Lump	Nut and other grades	Slack	Total coal
Alberta		2			2					
Saskatchewan										
British Columbia						No anthracite coal shipped in 1924				
Manitoba										
Ontario										
United States										
Railroads										
Other places										
Total		2			2					

Table 109.—Shipments of Bituminous Coal from Alberta Mines, by Grades and Destination, 1923 and 1924

Destination	1923					1924				
	Run-of-mine	Lump	Nut and other grades	Slack	Total coal	Run-of-mine	Lump	Nut and other grades	Slack	Total coal
Alberta	53,602	1,252	2,907	27,802	85,563	28,662	1,917	421	21,188	52,088
Saskatchewan	55,119	5,583	4,890	4,518	70,110	38,814	1,357	2,607	7,971	59,749
British Columbia	19,122	2,000	221	1,955	23,298	23,884	1,127	244	367	25,622
Manitoba	7,876	463	658	1,085	9,882	5,220	94	215	596	6,125
Ontario							10			10
United States	29,461	1,876	734	30,178	62,233	3,064	1,170	848	17,178	22,660
Railroads	2,880,860		66		2,880,926	1,280,908		89	4,764	1,285,739
Total	3,025,840	11,174	9,480	65,538	3,112,632	1,389,550	5,575	4,204	52,064	1,412,333

Table 110.—Shipments of Sub-Bituminous Coal from Alberta Mines, by Grades and Destination, 1923 and 1924

(Short tons)

Destination	1923					1924				
	Run-of-mine	Lump	Nut and other grades	Slack	Total coal	Run-of-mine	Lump	Nut and other grades	Slack	Total coal
Alberta	16,923	9,241	11,377	11,945	49,486	19,813	11,043	14,200	26,189	71,245
Saskatchewan	6,009	16,109	2,604	4,643	29,275	10,782	31,308	5,566	7,133	54,789
British Columbia	7,339	3,255	3,060	787	14,441	4,144	4,796	2,327	225	11,492
Manitoba	9,294	33,917	5,682	12,171	61,064	2,719	42,372	4,404	10,312	61,807
Ontario	240	1,041	279		1,560	129	390	39		558
United States	94				94		30	10,281		10,311
Railroads	252,009	1,977	30	515	254,531	296,406	162	23,939	1,220	321,727
Other places				95	95					
Total	291,998	65,450	23,032	30,156	410,546	333,993	90,101	67,756	45,079	531,929

Table 111.—Shipments of Lignite Coal from Alberta Mines by Grades and Destination, 1923 and 1924

(Short tons)

Destination	1923					1924				
	Run-of-mine	Lump	Nut and other grades	Slack	Total coal	Run-of-mine	Lump	Nut and other grades	Slack	Total coal
Alberta	140,247	552,983	329,374	216,237	1,172,841	191,020	551,307	275,632	229,071	1,247,030
Saskatchewan	42,615	850,986	148,791	78,049	1,120,447	62,473	767,953	178,596	75,237	1,084,259
British Columbia	13,345	44,700	12,447	508	71,000	2,683	47,537	22,906	682	73,808
Manitoba	8,998	386,975	70,079	16,177	482,229	12,240	341,620	80,123	9,727	443,710
Ontario	12,057	26,866	11,539	318	50,780	1,356	9,421	4,919	141	15,837
Quebec										
United States		12,158	9,101	96	21,355		3,668	8,591	138	12,397
Railroads		568	220		788					
Total	226,265	1,875,236	481,557	341,385	2,924,443	269,772	1,721,506	570,677	311,996	2,576,951

Exports.—Data regarding the exports of Alberta coal are not very satisfactory as the Customs' records show only the port of exit and practically all Alberta's export coal is cleared from Customs' through the British Columbia ports of Fernie and Cranbrook; consequently the exports of Canadian coal as compiled from Customs' records indicate a larger movement of coal for export from British Columbia than is actually shipped from the mines of that province, and there is correspondingly less coal shown as exported through Alberta ports.

As reported by the operators, the total shipments of Alberta coal direct from the mines to points in the United States amounted to 44,678 tons in 1924 as compared with a total of 83,705 tons in 1923 and 113,165 tons in 1922.

Customs' records for 1924 show an export of 435 tons only through the port of Lethbridge. But coal cleared through the port of Fernie, B.C. in 1924 totalled 64,438 tons and exports through Cranbrook, B.C. amounted to 50,844 tons.

Table 112.—Exports of Coal through Alberta Ports, 1922-1924

(Short tons)

	1922	1923	1924
Lethbridge	915	605	435
Total	915	605	435

Imports.—There is a small importation of coal each year into Alberta in spite of the fact that nearly 16 per cent of the world's preserves of coal are known to lie within the boundaries of this Province. In 1924, imports totalled 1,209 tons of bituminous coal.

Table 113.—Imports into Alberta of Anthracite and Bituminous Coal by Grades and Ports of Entry, 1922, 1923 and 1924
(Short tons)

Port	Source and year	Anthracite			Bituminous			Total all grades
		Egg, nut, etc.	Dust	Total	Round and run-of-mine	Slack	Total	
Calgary.....	U.S. 1922				257	70	327	327
	1923				273	137	410	410
	1924				309	73	382	382
Edmonton.....	U.S. 1922				211	381	592	592
	1923				158	281	439	439
	1924				253	143	396	396
Lethbridge.....	U.S. 1922				35	116	151	151
	1923					128	128	128
	1924				203	131	334	334
Medicine Hat.....	U.S. 1922				35	42	77	77
	1923				133		133	133
	1924				61	36	97	97
Total.....	U.S. 1922				538	609	1,147	1,147
	1923				564	515	1,110	1,110
	1924				826	383	1,209	1,209

Consumption.—Coal made available for consumption in Alberta amounted to 3,385,222 tons in 1924 as compared with 4,938,870 tons in 1923 and 4,120,087 tons in 1922. About one-half of the supply consisted of lignite coal and the balance was bituminous with the exception of 461,522 tons sub-bituminous coal. While the output totalled 5,189,729 tons, shipments of Alberta coal to other Canadian provinces amounted to 1,828,766 tons, thus reducing the amount of Alberta coal available for consumption within the province. On the average it appears that the annual consumption of coal in Alberta is in the neighborhood of 4 million tons. As already noted, the province is more than self-sustaining in this respect and very considerable quantities are shipped not only to other Canadian points, but also south into the United States.

Table 114.—Summary Statistics for 1920-1924—Output, Exports, Interprovincial Shipments, Imports and Coal Made Available for Consumption in Alberta
(Short tons)

	1920	1921	1922	1923	1924
CANADIAN COAL—					
Output—					
Anthracite.....	127,513	96,964	40,417	107	
Bituminous.....	3,419,147	2,867,833	2,846,405	3,243,803	1,514,382
Sub-Bituminous.....				466,492	590,168
Lignite.....	3,361,105	2,944,420	3,104,089	3,113,995	3,085,179
Total.....	6,907,765	5,909,217	5,990,911	6,854,397	5,189,729
Received from Canadian provinces—					
Bituminous.....	9,278	7,786	10,646	18,054	22,375
Lignite.....	509		588		1,110
Total.....	9,877	7,786	11,234	18,054	23,485
Shipped—					
Anthracite.....	11,072	5,892	2,034		
Bituminous.....	366,568	274,700	243,758	103,290	82,506
Sub-Bituminous.....				106,340	128,646
Lignite.....	1,658,895	1,454,023	1,636,498	1,724,456	1,617,614
Total.....	2,036,535	1,734,615	1,882,290	1,934,086	1,828,766
Exported—					
Total Bituminous.....	3,106	843	915	605	435
IMPORTED FROM—					
United States—					
Anthracite.....	517	66			
Bituminous.....	607	1,829	1,147	1,110	1,209
Total.....	1,124	1,895	1,147	1,110	1,209
COAL MADE AVAILABLE FOR CONSUMPTION—					
Anthracite.....	116,958	91,138	38,383	107	
Bituminous.....	3,059,358	2,601,905	2,613,525	3,159,072	1,455,025
Sub-Bituminous.....				360,152	461,522
Lignite.....	1,702,809	1,490,397	1,468,179	1,419,539	1,468,675
Total.....	4,879,125	4,183,440	4,120,087	4,938,870	3,385,222

Employment.—Due to the labour difficulties, to which reference has already been made, the average number employed in the coal mines of Alberta during 1924 was only 7,783 as against an average of 10,592 in 1923. Salaries and wages also showed a marked decrease to a total of \$12,498,131, a loss of nearly 6 million dollars from the total of \$18,367,951 paid out in 1923.

Employees in the mines averaged 228 days' work during the year as against an average of 227 days in the preceding year, and earnings amounted to \$6.74 per man per working day in 1924 as against an average of \$7.41 per day in 1923.

Normally, about 12,000 men are employed in mining operations in Alberta in addition to the office staffs. In January, the number of wage-earners was 12,047. Nearly the same number were still employed in February, but March showed a decrease and in April only 2,650 men were employed. During the next five months there was little change in the number on the rolls, but during the last three months of the year, the labour troubles having been overcome, employment rose again to the normal figure, there being 12,008 men employed in December.

Table 115.—Number of Employees, Salaries and Wages Paid in the Coal Mines of Alberta by Districts, 1923

District	Average number of employees				Total	Salaries and wages		Total
	Salaried employees		Wage-earners			Salaries	Wages	
	Male	Female	Surface	Under-ground				
						\$	\$	\$
ANTHRACITE— Banff.....	7	1	58	2	68	14,373	96,734	112,007
BITUMINOUS— Brazeau..... Canmore..... Crow's Nest Pass..... Jasper Park..... Mountain Park.....	34 13 125 50 31	1 2 5 5	148 94 491 105 198	620 234 1,541 298 511	803 341 2,159 548 745	91,103 43,027 390,761 95,985 123,212	1,224,173 702,206 3,651,062 1,014,305 1,715,495	1,315,276 745,233 4,041,823 1,110,290 1,838,707
Total Bituminous.....	253	13	1,126	3,204	4,596	744,088	8,307,241	9,051,329
SUB-BITUMINOUS— Calgary..... High River..... Picher Creek..... Saunders..... Yellowhead.....	 2 4 12 44	 2	 2 4 45 241	 4 5 16 123 112	 6 8 24 180 399	 3,294 25,708 125,179	 5,448 4,869 29,681 278,262 612,444	 5,448 5,104 32,975 303,970 737,623
Total Sub-Bituminous.....	62	2	293	260	617	154,416	930,704	1,085,120
LIGNITE— Aldersyde..... Battle River..... Big Valley..... Bow Island..... Brooks..... Camrose..... Carbon..... Cardiff..... Clover Bar..... Drumheller..... Edmonton..... Gleichen..... Hanna..... Lacombe..... Lethbridge..... Magrath..... Medicine Hat..... Milk River..... Nanaimo..... Pence River..... Pembina..... Rosedale..... Strathcona..... Taber..... Three Hills..... Tofield..... Trochu..... Wabamun..... Wayne.....	5 3 4 1 1 16 5 7 31 57 22 12 6 43 2 2 2 18 7 15 3 3 36	 2 3 1 1						

Table 116.—Number of Employees, Salaries and Wages Paid in the Coal Mines of Alberta by Districts, 1924

District	Average number of employees				Total	Salaries and wages		Total
	Salaried employees		Wage-earners			Salaries	Wages	
	Male	Female	Surface	Under-ground				\$
ANTHRACITE— Bunff.....								
BITUMINOUS— Brazeau..... Canmore..... Crow's Nest Pass..... Jasper Park..... Mountain Park.....	23 13 162 18 29	1 2 5	54 62 286 43 124	193 117 890 31 250	271 182 1,340 92 468	62,651 42,790 428,960 35,044 114,687	490,783 383,675 2,027,360 109,151 783,826	553,434 426,465 2,456,320 144,195 898,513
Total Bituminous.....	245	8	569	1,481	2,303	684,132	3,794,795	4,478,927
SUB-BITUMINOUS— Calgary..... High River..... Pincher Creek..... Saunders..... Yellowhead.....	 3 3 8 40	 2	1 3 5 32 277	2 6 22 93 141	3 9 30 133 460	 1,706 22,945 132,475	2,639 4,866 24,178 243,071 743,904	2,639 4,866 25,884 266,016 876,379
Total Sub-Bituminous.....	51	2	318	284	635	157,126	1,018,658	1,175,784
LIGNITE— Aldersyde..... Battle River..... Big Valley..... Bow Island..... Brooks..... Camrose..... Carbon..... Cardiff..... Clover Bar..... Drumheller..... Edmonton..... Gleichen..... Hanna..... Lacombe..... Lethbridge..... Magrath..... Medicine Hat..... Milk River..... Nanmo..... Pence River..... Pembina..... Rosedale..... Strathcona..... Taber..... Three Hills..... Tofield..... Trochu..... Wabamun..... Wayne.....	3 2 5 2 12 9 3 26 51 17 7 4 60 1 3 4 12 14 2 24 19 7 4 3 21	 1 2 1 1 3 12 1 2 2 1 1 1 1 1 1 1	3 4 18 2 3 48 28 21 111 141 36 6 28 4 236 18 4 5 0 44 45 4 68 19 79 14 21 78	23 37 59 13 14 79 114 79 465 594 16 16 44 28 630 76 17 21 3 73 154 13 185 68 2 31 69 356	29 43 82 15 19 110 151 103 604 786 223 22 80 36 929 11 95 24 30 3 129 214 19 270 93 88 49 40 93 456	2,455 918 9,000 4,800 21,528 15,625 7,500 66,850 164,633 39,720 8,477 1,900 106,792 996 1,483 2,800 24,388 27,667 1,500 38,098 14,750 18,977 1,500 10,280 57,320	19,140 17,296 90,194 7,249 16,707 113,999 203,297 102,373 711,169 1,324,986 245,769 48,168 20,747 1,310,671 28,494 14,319 16,314 1,050 194,182 318,258 6,203 296,608 119,897 94,255 18,677 91,440 739,129	21,595 18,214 99,194 7,219 21,507 135,527 219,022 109,873 778,019 1,489,619 285,489 16,565 54,645 22,647 1,417,463 7,907 29,490 16,102 19,114 1,050 218,570 345,925 7,203 334,706 134,647 113,232 20,177 101,720 796,449
Total Lignite.....	302	12	1,088	3,443	4,845	647,957	6,195,463	6,843,420
Total for Alberta.....	598	22	1,975	5,188	7,783	1,489,215	11,008,016	12,498,13

Table 117.—Employment and Earnings in the Coal Mines of Alberta, 1921-1924

	1921	1922	1923	1924
Average number of wage-earners—				
Surface.....	2,864	2,648	2,719	1,975
Underground.....	7,155	6,167	7,108	5,188
Total.....	10,019	8,815	9,817	7,163
Days' work done—				
Surface.....	711,697	680,020	692,333	482,592
Underground.....	1,462,742	1,415,807	1,566,177	1,149,620
Total.....	2,174,439	2,095,827	2,258,510	1,632,212
Average number of days worked per man per year—				
Surface.....	248	256	255	244
Underground.....	204	229	218	222
By all wage-earners.....	217	237	227	228
Total wages paid.....	\$ 16,605,999	\$ 13,465,891	\$ 16,749,909	\$ 11,008,916
Average wage earned per man per day.....	\$ 7 63	\$ 6 42	\$ 7 41	\$ 6 74

Table 118.—Number of Wage-Earners, Work done by Months and Wages paid in Alberta Coal Mines in 1924

Month	Number of Employees			Days' Work Done		
	Surface	Under-ground	Total	Surface	Under-ground	Total
1924						
January	2,997	9,050	12,047	69,614	194,037	263,651
February	2,799	8,435	11,234	53,500	127,107	180,607
March	2,494	7,120	9,614	50,748	127,071	177,819
April	1,058	1,592	2,650	20,668	26,133	46,801
May	1,087	1,671	2,758	20,460	28,647	49,107
June	1,032	1,946	2,978	17,415	29,480	46,895
July	1,009	1,870	2,879	17,245	29,342	46,587
August	1,262	2,454	3,716	23,881	41,708	65,589
September	1,556	3,355	4,911	30,722	65,051	95,773
October	2,657	7,421	10,078	47,683	119,246	166,929
November	2,764	8,326	11,090	64,991	183,284	248,275
December	2,984	9,024	12,008	65,665	178,514	244,179
Total				482,592	1,149,620	1,632,212

Table 119.—Number of Man-Days' Work Done by Districts in Alberta Coal Mines, in 1922, 1923 and 1924

District	1923			1924		
	Surface	Under-ground	Total	Surface	Under-ground	Total
ANTHRACITE—						
Banff	19,217	423	19,640			
BITUMINOUS—						
Brzeau	35,353	125,069	160,422	12,495	39,625	52,120
Canmore	28,929	84,884	83,813	13,716	27,714	41,430
Crow's Nest Pass	137,006	334,607	471,613	72,630	198,891	271,521
Jasper Park	54,490	82,735	137,225	11,641	8,225	19,866
Mountain Park	59,518	134,071	193,589	28,368	55,596	83,964
Total Bituminous	315,296	731,366	1,046,662	138,850	330,051	468,901
SUB-BITUMINOUS—						
Calgary	542	841	1,383	249	273	522
High River	247	981	1,228	600	1,314	1,914
Pincher Creek	680	3,143	3,823	920	4,536	5,456
Saunders	10,294	26,275	36,569	8,528	22,781	31,309
Yellowhead	52,705	17,933	70,638	71,302	31,935	103,237
Total Sub-Bituminous	64,468	49,173	113,641	81,599	60,839	142,438
LIGNITE—						
Aldersyde	798	5,036	5,834	712	5,137	5,849
Battle River	784	6,299	7,083	802	6,392	7,194
Big Valley	3,036	12,145	15,181	3,883	12,679	16,562
Bow Island	299	2,250	2,558	292	1,690	1,991
Brooks	684	2,917	3,601	772	3,126	3,898
Camrose	9,359	14,144	23,503	11,081	17,058	29,939
Carbon	5,684	14,420	20,104	8,242	30,935	39,177
Cardiff	6,071	14,949	21,020	3,955	14,602	18,617
Clover Bar	29,292	101,247	130,539	28,477	102,651	131,128
Drumheller	46,211	156,968	203,179	32,731	128,161	160,892
Edmonton	8,671	33,624	42,295	9,406	37,552	46,958
Gleichen	4,463	3,545	8,008	1,739	3,682	5,421
Hanna	3,468	6,702	10,170	5,746	8,709	14,455
High River						
Lacombe	996	4,827	5,823	904	5,493	6,397
Leithbridge	76,694	215,422	292,116	54,415	138,814	193,229
Magrath		1,837	1,837		1,616	1,616
Medicine Hat	2,237	7,606	9,843	3,800	15,403	19,203
Milk River	1,126	3,148	4,274	900	3,298	4,198
Namoo	1,151	2,476	4,027	1,299	4,790	6,098
Peace River	74	249	323	54	557	611
Pembina	14,410	18,418	32,828	11,592	16,257	27,849
Pincher Creek						
Rosedale	16,829	42,160	58,989	9,620	32,113	41,733
Strathcona	681	3,034	3,715	819	3,020	3,839
Taber	9,781	14,585	24,366	17,469	40,407	57,876
Three Hills	3,965	10,549	14,514	5,054	17,025	22,079
Tofield	18,545	182	18,727	19,880	376	20,256
Trochu	4,305	4,159	8,464	2,609	5,340	7,949
Wabamun	5,105	14,023	19,128	5,806	17,973	23,679
Wayne	18,033	67,885	85,918	19,184	82,996	102,180
Total Lignite	203,352	785,215	1,078,567	262,143	758,730	1,020,873
Total for Alberta	692,333	1,566,177	2,258,510	492,592	1,149,620	1,632,212

Table 120.—Average Number of Wage-Earners in Alberta Coal Mines, by Classes, 1923 and 1924

Classification	1923			1924		
	Surface	Under-ground	Total	Surface	Under-ground	Total
SURFACE—						
Administration.....	113	25	138	104	20	124
Foremen and clerks.....	236	9	245	194	6	200
Screenmen and loaders.....	612		612	461	1	463
UNDERGROUND—						
Officials.....	9	304	313	14	283	298
Hand cutters and helpers.....	66	2,089	2,155	19	1,886	1,905
Machine cutters.....		393	393		308	308
Machine loaders and helpers.....		1,258	1,258	1	1,083	1,084
Horse haulage employees.....	28	774	802	22	537	559
Mechanical haulage employees.....	52	346	398	21	186	207
Ventilation employees.....	1	123	124	1	69	70
Roadmakers.....	4	224	228	2	146	148
Timbermen.....	2	393	395	1	252	253
Pumpmen.....	3	59	62	3	45	48
MISCELLANEOUS—						
Engineers.....	177	8	185	149	8	157
Firemen.....	154		154	104		104
Machinists.....	96	3	99	62	1	63
Carpenters and masons.....	99		99	61	1	62
Other mechanics.....	158	15	173	90	5	96
All other employees.....	909	575	1,484	666	349	1,015
Total.....	2,719	7,198	9,917	1,975	5,188	7,163

Capital Employed.—There was an increase in the amount of capital employed in the operation of Alberta coal mines in 1924 to a total of \$52,702,931 as compared with \$51,643,412 in 1923. Practically all of the increase occurred in the item of cash and credit balance of trading accounts which item alone amounted to \$7,075,493 as compared with \$6,020,628 in the preceding year.

There were 351 mines in operation in Alberta during 1924 which marked a reduction of 5 from the total reported in 1923. In this province there are a great many small mines with the result that the number of mines actually in operation at a given time may vary greatly from the total at another time, either in the same or other years. Reports are obtained by the Bureau from every mine that is operated at any time during the year.

Table 121.—Capital Employed in the Coal Mines of Alberta, 1923 and 1924

Capital employed as represented by—	1923	1924
	\$	\$
Costs of lands, buildings, plant machinery and tools.....	44,408,155	44,474,725
Cost of supplies and stock on hand.....	1,214,629	1,152,713
Cash, trading and operating accounts and bills receivable.....	6,020,628	7,075,493
Total.....	51,643,412	52,702,931

CHAPTER TEN

BRITISH COLUMBIA

Output.—Coal has been mined in British Columbia since 1836. Production reached the million-ton mark in 1891 or 11 years later than in Nova Scotia. In 1906, the 2-million ton mark was reached and passed and in 1910 the output rose to 3,330,745 tons, but in most years since then the output has been below that total. In 1924, less coal was mined than in any year previously since 1915; the output amounted to 2,193,667 tons valued at \$10,601,998. Most of the loss occurred in the Crow's Nest Pass district where labour troubles seriously interfered with operations. The output from this field totalled 305,403 tons as compared with 828,720 tons in the preceding year. In the Inland and Island districts, coal production was fairly well maintained. Inland district produced 255,731 tons as compared with 257,897 tons in 1923; Island district produced 1,632,533 tons as against 1,736,687 tons in the preceding year.

In January, the greatest monthly output for the year was attained, production in that month amounting to 262,514 tons. During each of the first five months of the year, the output declined steadily; a recovery occurred in June and July, but there was another slump in August and September; in the last three months of the year production rose gradually to a total of 202,546 tons in December.

Table 122.—Output of Coal from British Columbia Mines, 1836-1924

(Short tons)

Calendar year	Output	Value	Calendar year	Output	Value
		\$			\$
1836-1873.....	538,480	1,923,140	1899.....	1,431,101	3,833,307
1874.....	90,788	243,183	1900.....	1,791,833	4,709,553
1875.....	109,361	292,932	1901.....	1,019,488	5,141,487
1876.....	157,007	420,555	1902.....	1,808,441	4,814,040
1877.....	156,455	419,076	1903.....	1,676,581	4,490,844
1878.....	213,750	572,544	1904.....	1,862,025	4,989,174
1879.....	260,277	697,170	1905.....	1,945,452	5,211,030
1880.....	305,015	817,086	1906.....	2,116,262	5,718,915
1881.....	257,056	688,542	1907.....	2,364,898	7,390,306
1882.....	323,201	865,716	1908.....	2,333,708	7,292,838
1883.....	240,075	643,059	1909.....	2,606,127	8,144,147
1884.....	441,130	1,181,598	1910.....	3,330,745	10,408,580
1885.....	372,987	999,072	1911.....	2,512,532	7,915,413
1886.....	375,415	1,005,576	1912.....	3,208,997	10,028,116
1887.....	486,112	1,392,165	1913.....	2,714,420	8,482,562
1888.....	539,467	1,445,001	1914.....	2,239,799	6,999,374
1889.....	636,439	1,701,747	1915.....	2,065,613	6,455,041
1890.....	767,586	2,056,035	1916.....	2,584,061	8,075,190
1891.....	1,130,277	3,027,528	1917.....	2,433,858	8,235,716
1892.....	937,218	2,510,406	1918.....	2,568,589	11,494,681
1893.....	1,093,980	2,930,304	*1919.....	2,649,516	13,512,532
1894.....	1,112,628	2,980,254	*1920.....	3,095,011	18,105,814
1895.....	1,058,015	2,834,049	*1921.....	2,890,291	15,676,774
1896.....	1,003,769	2,848,666	*1922.....	2,927,033	14,622,317
1897.....	1,019,390	2,730,510	*1923.....	2,823,306	13,813,520
1898.....	1,263,680	3,384,858	*1924.....	2,193,667	10,601,998
			Total.....	77,043,632	266,707,041

*The tonnage shown is the total output from all mines in 1919, 1920, 1921, 1922, 1923 and 1924. For previous years the figures given include only sales, colliery consumption and coal used by operators.

Table 123.—Output of Coal from British Columbia Mines, by Months, 1920-1924

(Short tons)

Month	1920	1921	1922	1923	1924
January.....	284,239	242,570	254,560	302,199	262,514
February.....	246,616	236,193	262,926	276,425	241,040
March.....	241,461	243,298	302,886	276,186	228,591
April.....	249,106	229,983	163,119	216,110	156,448
May.....	227,165	214,524	145,097	175,928	129,476
June.....	266,443	202,444	198,763	229,372	179,018
July.....	255,274	233,102	221,279	234,696	166,285
August.....	256,076	277,669	244,288	238,104	141,445
September.....	260,670	263,139	290,923	199,670	137,260
October.....	251,661	270,434	278,063	244,409	175,203
November.....	283,574	240,754	275,190	215,670	173,843
December.....	272,426	236,181	289,939	214,537	202,546
Total.....	3,695,011	2,890,291	2,927,033	2,823,306	2,193,667

Table 124.—Output by Districts in British Columbia for 1922-1924

(Short tons)

District	1922	1923	1924
Crow's Nest Pass.....	619,566	828,720	305,403
Inland.....	310,047	257,897	255,731
Island.....	1,997,420	1,736,689	1,632,533
Total.....	2,927,033	2,823,306	2,193,667

Table 125.—Output by Principal Collieries in British Columbia for 1922-1924
(Average of 500 tons or over per month)

(Short tons)

Name	Address	1922	1923	1924
CROW'S NEST PASS DISTRICT—				
Corbin Coal and Coke Co.....	Corbin.....	50,227	53,387	30,077
Crow's Nest Pass Coal Co.....	Fernie.....	569,339	775,333	275,326
Total.....		619,566	828,720	305,403
INLAND DISTRICT—				
Coalmont Collieries, Ltd.....	Coalmont.....	159,954	140,537	160,071
Keystone Coal Co., Ltd.....	Merritt.....			6,274
Fleming Coal Co., Ltd.....	Merritt.....	47,967	5,572	
Middlesboro Collieries, Ltd.....	Middlesboro.....	77,650	84,065	67,657
Princeton Coal and Land Co.....	Princeton.....	23,880	20,264	11,875
All other operators.....		596	559	2,954
Total.....		310,047	257,897	255,731
ISLAND DISTRICT—				
Canadian Collieries.....	Victoria.....	760,635	638,330	604,409
Enst Wellington Coal Co.....	Box 633, Nanaimo.....			52,446
Granby Cons. Mg., S. and P. Co.....	Cassidy.....	310,149	271,559	247,973
King & Foster.....	Box 655, Nanaimo.....			7,425
Nanoose Wellington Collieries, Ltd.....	Wellington.....	113,165	97,364	100,194
Western Fuel Corporation of Canada.....	Nanaimo.....	813,471	729,436	620,086
Total.....		1,997,420	1,736,689	1,632,533
Total for British Columbia.....		2,927,033	2,823,306	2,193,667

Tonnage Lost.—There was little change in the percentage of the possible output produced in 1924, in comparison with the records for the preceding year. Most of the loss was charged to "lack of orders." Eighty per cent of the possible output was produced in 1924 and of the 20 per cent lost during recognized operating periods, 14.4 per cent was said to be due to lack of orders; 1.9 per cent to absenteeism, and only 0.1 per cent to mine disability. In the Island district, 85 per cent of the possible output was produced, and the Inland district showed an equally creditable record with 84 per cent of its possible production. Crow's Nest Pass, on the other hand, mined only 61 per cent of the amount of coal which should have been produced during the operating period; of the 39 per cent lost, 23.6 per cent was said to be due to lack of orders and 13.8 per cent to unspecified causes.

Table 126.—Tonnage Lost in British Columbia Mines, showing by Districts the Relative Percentages Produced and Lost, with an Analysis of the Percentage Lost, 1922-1924

District	Year	% produced	% lost	Per cent lost through				
				Absenteeism	Lack of orders	Car shortage	Mine disability	Other causes
Crow's Nest Pass.....	1922	78	22	3.0	5.0	10.0		4.0
	1923	70	30	2.5	25.8	0.4		1.3
	1924	61	39	1.6	23.6			13.8
Inland.....	1922	87	13	0.3	11.3	0.5	0.2	0.7
	1923	86	14		13.0	0.7		0.3
	1924	84	16	0.1	13.9	1.2		0.8
Island.....	1922	85	15	4.0	10.0			1.0
	1923	86	14	2.0	10.9	0.2	0.3	0.6
	1924	85	15	2.3	12.0			0.7
British Columbia	1922	84	16	3.2	9.0	2.4		1.4
	1923	81	19	1.9	16.1	0.2	0.1	0.7
	1924	80	20	1.9	14.4	0.3	0.1	3.3

Disposition.—Apart from the reduction in the amount of coal shipped, the items of the disposition table show little change in 1924 from the totals reported in 1923. Of the total disposition, amounting to 2,277,792 tons, shipments totalled 1,734,144 tons, 166,933 tons were used under colliery boilers and 53,767 tons were used in making coke.

Table 127.—Disposition of Coal from British Columbia Mines by Grades, 1923 and 1924

(Short tons)

Disposition	1923				1924			
	Run-of-mine	Screened	Slack	Total coal	Run-of-mine	Screened	Slack	Total coal
Supplied to employees for domestic consumption.....	1,440	26,237	2	27,679	1,203	25,631		26,834
Shipped as per Table 128.....	664,698	1,134,278	428,317	2,227,293	229,105	1,084,900	420,139	1,734,144
Used under colliery boilers, etc.....	45,194	17,089	156,597	218,880	35,945	24,984	116,004	166,933
Used by company's railroads.....	2,477	15,318		17,795	1,966	12,039		14,005
Used in making coke at colliery.....			100,537	100,537			53,767	53,767
Put on bank.....	7,175	75,627	17,374	100,176	3,673	75,827	8,976	88,476
Put on waste heap.....	1,015	130,094	93,527	224,636	716	103,506	89,381	193,633
Total Disposition.....	721,999	1,398,643	796,354	2,916,996	262,638	1,326,887	688,267	2,277,792
Lifted from bank.....	0,547	71,118	16,025	93,690	4,028	65,952	14,145	84,125
Total Output.....	715,452	1,327,525	780,329	2,823,306	258,610	1,260,935	674,122	2,193,667

Shipments.—Shipments totalling 1,734,144 tons in 1924 as compared with 2,227,293 tons in 1923, showed much less amounts supplied for railroad use and to the export markets than in the preceding year. About one-half of the total output was shipped to points within the province. Some coal was sold in Alberta and Saskatchewan but railroads, ships' bankers and the export field were the principal outlets for British Columbia's surplus production.

Table 128.—Shipments of Coal from British Columbia Mines by Grades and Destinations, 1923 and 1924

(Short tons)

Destination	1923				1924			
	Run-of-mine	Screened	Slack	Total coal	Run-of-mine	Screened	Slack	Total coal
British Columbia.....	51,944	510,746	243,149	805,839	36,341	516,165	242,395	794,911
Alberta.....	9,989	168	7,897	18,054	13,013	554	8,808	22,375
Saskatchewan.....	17,882	2,812	11,016	31,710	15,701	1,965	6,738	24,404
Manitoba.....	10,507	72	1,808	12,387	4,078	79	53	4,210
United States.....	33,554	165,065	32,855	231,474	14,064	129,268	12,711	156,043
Railroads.....	540,822	121,873	123,287	785,982	145,908	119,775	141,944	407,627
Other places.....								
Bunker.....		333,542	8,305	341,847		317,094	7,580	324,674
Total.....	664,698	1,134,278	428,317	2,227,293	229,105	1,041,900	429,139	1,734,144

Exports.—There was a great reduction in the amount of coal exported through British Columbia ports in 1924 in comparison with the totals for previous years. In 1924, the total coal cleared from Customs for export trade amounted to 383,135 tons; in 1923, the tonnage exported reached 838,017 tons and in 1922 exports totalled more than a million tons.

Table 129.—Exports of Canadian Coal through British Columbia Ports, 1922-1924

(Short tons)

	1922	1923	1924
Abbotsford.....	471	717	285
Cranbrook.....	178,799	112,682	50,844
Fernie.....	316,469	367,900	64,438
Grand Forks.....			
Nanaimo.....	472,246	304,567	244,033
Nelson.....			
New Westminster.....	1,043	45	146
Penticton.....	77,365	48,340	23,076
Prince Rupert.....	118	3,058	141
Roseland.....	10		
Vancouver.....	100	708	1
Victoria.....	809		171
Total.....	1,047,430	838,017	383,135

Imports.—Comparatively small amounts of coal are imported into British Columbia each year. In 1924, imports of all grades from the United States amounted to 49,706 tons, nearly all of which was classed as bituminous coal; imports from other countries during the year amounted to 1,794 tons.

Table 130.—Imports into British Columbia of Anthracite and Bituminous Coal by Grades and Ports of Entry, 1922-1924

(Short tons)

Port	Source and year	Anthracite			Bituminous			Total all grades
		Egg, nut, etc.	Dust	Total	Round and run-of-mine	Slack	Total	
Abbotsford.....	U.S. ....1922				68	2	76	76
	1923				200		200	200
	1924	59		59	457		457	516
Cranbrook.....	U.S. ....1922							
	1923	61		61				61
	1924							
Fernie.....	U.S. ....1922							
	1923				40		40	40
	1924				69		69	69
Grand Forks.....	U.S. ....1922							
	1923				37		37	37
	1924				(a) 331		(a) 331	331
Greenwood.....	U.S. ....1922							
	1923				24		24	24
	1924							
Nanaimo.....	U.S. ....1922				36		36	36
	1923							
	1924							
Nelson.....	U.S. ....1922				408	85	493	493
	1923				407	119	526	526
	1924				(b) 517	153 (b)	670	670
New Westminster.....	U.S. ....1922				814	89	903	903
	1923	2		2	2,413		2,413	2,415
	1924	1		1 (c)	4,048		(c) 4,048	4,049
Penticton.....	U.S. ....1922							
	1923				12		12	12
	1924				26		26	26
Prince Rupert.....	U.S. ....1922		1	1		3,319	3,319	3,320
	1923				60	5,207	5,267	5,267
	1924				55	3,241	3,296	3,296
Revelstoke.....	U.S. ....1922				30	32	62	62
	1923					33	33	33
	1924							
Rossland.....	U.S. ....1922							
	1923							
	1924							
Vancouver.....	U.S. ....1922	34		34	8,190	221	8,411	8,445
	1923	56		56 (f)	10,504		(f) 10,594	10,560
	1924	627		627 (d)	26,570	8,555 (d)	35,105	35,732
Other Countries.....	1922	1,226		1,226	504		504	1,730
	1923							
	1924				1,793		1,793	1,793
G.B.	1923				1		1	1
	1924							
Victoria.....	U.S. ....1922				118	50	168	168
	1923	55		55	378	815	1,193	1,248
	1924				(e) 1,641	3,376 (e)	5,017	5,017
Total	U.S. ....1922	34	1	35	9,664	3,798	13,462	13,497
	1923	174		174 (f)	14,075	6,174 (f)	20,249	20,423
	1924	687		687 (g)	33,714	15,305 (g)	49,019	49,706
Other Countries	1922	1,226		1,226	504		504	1,730
	1923							
	1924				1,793		1,793	1,793
G.B.	1923				1		1	1
	1924							

(a) Includes 40 tons lignite coal imported from the United States.

(b) Includes 321 tons lignite coal imported from the United States.

(c) Includes 2,435 tons lignite coal imported from the United States.

(d) Includes 22,240 tons lignite coal imported from the United States.

(e) Includes 727 tons lignite coal imported from the United States.

(f) Includes 2,331 tons lignite coal imported from the United States.

(g) Includes 25,763 tons lignite coal imported from the United States.

Consumption.—British Columbia's coal requirements average about 2 million tons annually. In 1924, the amount of coal made available for consumption in this province was 1,921,964 tons including 1,810,214 tons of bituminous coal. British Columbia's output exceeds the amount consumed within the province and there is thus available a considerable tonnage for shipment to other Canadian provinces and for export trade. Small quantities of imported coal are usually received each year.

Table 131.—Summary Statistics for 1920-1924—Output, Exports, Interprovincial Shipments, Imports and Coal Made Available for Consumption in British Columbia

(Short tons)

	1920	1921	1922	1923	1924
CANADIAN COAL—					
Output—					
Total Bituminous.....	3,095,011	2,890,291	2,927,033	2,823,306	2,193,667
Received from Canadian provinces—					
Anthracite.....	5,059	2,475	1,228		
Bituminous.....	69,225	58,248	38,172	23,298	25,622
Sub-Bituminous.....				14,441	11,492
Lignite.....	51,978	53,905	73,486	71,000	73,808
Total.....	126,262	114,628	112,886	108,739	110,922
Shipped—					
Anthracite.....					
Bituminous.....	148,248	65,694	46,876	62,151	50,989
Sub-Bituminous.....					
Lignite.....					
Total.....	148,248	65,694	46,876	62,151	50,989
Exported—					
Anthracite.....					
Bituminous.....	1,191,167	1,182,496	1,047,430	838,017	383,135
Sub-Bituminous.....					
Lignite.....					
Total.....	1,191,167	1,182,496	1,047,430	838,017	383,135
IMPORTED FROM—					
United States—					
Anthracite.....	75	251	35	174	687
Bituminous.....	13,137	17,081	13,462	17,918	23,256
Lignite.....				2,331	25,763
Total.....	13,212	17,332	13,497	20,423	49,706
Other Countries—					
Anthracite.....			1,226		
Bituminous.....			504	1	1,793
Total.....			1,730	1	1,793
IMPORTED FROM—					
Total—					
Anthracite.....	75	251	1,261	174	687
Bituminous.....	13,137	17,081	13,966	17,919	25,049
Lignite.....				2,331	25,763
Total.....	13,212	17,332	15,227	20,424	51,499
COAL MADE AVAILABLE FOR CONSUMPTION—					
Anthracite.....	5,134	2,726	2,489	174	687
Bituminous.....	1,837,958	1,717,430	1,884,865	1,964,355	1,810,214
Sub-Bituminous.....				14,441	11,492
Lignite.....	51,978	53,905	73,486	73,331	99,571
Total.....	1,895,070	1,774,061	1,960,840	2,052,301	1,921,964

Employment.—While little variation was noted in the number of wage-earners employed in the mines of British Columbia during 1924, there were considerable changes in the aggregate number of days' work done in the different months. On the average, 5,203 persons were employed, including 287 salaried workers and 4,916 colliery workers. In each of the months of April, May, August and September, the number of days' work done was considerably less than the totals reported for any other months during the year. This variation in employment does not appear in the table showing the number of men on the rolls.

In the aggregate, colliery employees worked 1,280,142 days during the year or an average of 260 days per man. Wages totalled \$7,379,084 or an average of \$5.76 per man day. Surface employees obtained on the average 303 days' work during the year, while underground men worked 243 days. In 1923, surface employees averaged 314 days, while the underground men worked only 238 days making the average for the whole staff 261 days during the year. As wages totalled \$8,966,473, the average earnings amounted to \$5.85 per man-day.

Table 132.—Number of Employees, Salaries and Wages Paid in the Coal Mines of British Columbia by Districts, 1923 and 1924

District	Average number of employees				Total	Salaries and wages		
	Salaried employees		Wage-earners			Salaries	Wages	Total
	Male	Female	Surface	Under-ground				
1923						\$	\$	\$
Crow's Nest Pass.....	99	6	386	1,013	1,504	294,584	2,476,975	2,771,559
Inland.....	18	2	154	357	531	45,320	825,827	871,147
Island.....	129	15	1,189	2,780	4,113	381,462	5,662,671	6,044,133
British Columbia.....	246	23	1,729	4,150	6,148	721,366	8,966,473	9,686,839
1924								
Crow's Nest Pass.....	102	5	162	414	683	275,751	1,060,508	1,336,259
Inland.....	27	1	184	377	589	61,513	842,418	903,931
Island.....	136	16	1,082	2,697	3,931	334,437	5,476,158	5,810,595
British Columbia.....	265	22	1,428	3,488	5,203	671,701	7,379,084	8,050,785

Table 133.—Employment and Earnings in the Coal Mines of British Columbia, 1921-1924

	1921	1922	1923	1924
Average number of wage-earners—				
Surface.....	1,985	1,830	1,729	1,428
Underground.....	4,708	4,310	4,150	3,488
Total.....	6,693	6,140	5,879	4,916
Days' work done—				
Surface.....	546,538	536,384	542,998	432,577
Underground.....	1,097,435	1,051,520	990,181	847,565
Total.....	1,643,973	1,587,904	1,533,179	1,280,142
Average number of days worked per man per year—				
Surface.....	275	293	314	303
Underground.....	233	244	238	243
By all wage-earners.....	246	258	261	260
Total wages paid..... \$	10,471,749	9,231,890	8,966,473	7,379,084
Average wage earned per man per day..... \$	6 37	5 81	5 85	5 76

Table 134.—Number of Wage-Earners, Work Done by Months in the Coal Mines of British Columbia in 1924

Month	Number of employees			Days' work done		
	Surface	Under-ground	Total	Surface	Under-ground	Total
1920						
January.....	1,890	4,288	5,078	44,115	89,245	133,360
February.....	1,738	4,285	6,023	42,496	81,619	124,115
March.....	1,648	4,034	5,682	41,035	76,201	117,236
April.....	1,280	3,070	4,350	34,005	61,534	95,629
May.....	1,240	3,020	4,260	31,997	52,198	84,195
June.....	1,253	2,052	4,205	40,771	77,797	118,568
July.....	1,254	2,980	4,234	34,035	71,413	105,448
August.....	1,277	2,950	4,227	29,856	60,002	89,858
September.....	1,279	3,035	4,314	29,658	58,894	88,552
October.....	1,409	3,681	5,180	35,312	72,232	107,544
November.....	1,455	3,584	5,039	33,294	67,389	100,683
December.....	1,523	3,980	5,503	35,913	79,041	114,954
Total.....				432,577	847,565	1,280,142

Table 135.—Time Worked, Showing the Number of Man-days Worked by Districts in British Columbia, 1923 and 1924

District	1923			1924		
	Surface	Under-ground	Total	Surface	Under-ground	Total
Crow's Nest Pass.....	87,847	221,630	309,477	31,607	76,337	107,944
Inland.....	43,542	90,491	134,033	51,916	91,868	143,784
Island.....	411,609	678,060	1,089,669	349,054	679,360	1,028,414
Total.....	542,998	990,181	1,533,179	432,577	847,565	1,280,142

Table 136.—Average Number of Employees in British Columbia Coal Mines, by Classes, 1923 and 1924

Classification	1923			1924		
	Surface	Under-ground	Total	Surface	Under-ground	Total
SURFACE—						
Administration.....	31	2	33	30	1	31
Foremen and clerks.....	136		136	117	1	118
Screenmen and loaders.....	185		185	153	2	155
UNDERGROUND—						
Officials.....		182	182		151	151
Hand cutters and helpers.....		2,060	2,060		1,554	1,554
Machine cutters.....		46	46		46	46
Machine loaders and helpers.....	1	53	54	1	87	88
Horse haulage employees.....	3	428	431	3	369	372
Mechanical haulage employees.....	3	415	418	3	332	335
Ventilation employees.....		68	68		67	67
Roadmakers.....		93	93		67	67
Timbermen.....	5	106	201	1	138	139
Pumpmen.....		38	38		37	37
MISCELLANEOUS—						
Enginemen.....	85		85	79		79
Firemen.....	69		69	52		52
Machinists.....	90	3	93	73	2	75
Carpenters and masons.....	97		97	79		79
Other mechanics.....	154	11	165	110	9	119
All other white employees.....	559	277	836	421	315	736
Japanese.....	5	63	68	1	115	116
Chinese.....	306	213	519	305	192	497
Indians.....		2	2		3	3
Total.....	1,720	4,150	5,879	1,428	3,488	4,916

Capital Employed.—Including the value of coal mine plants and equipment, the cost of supplies on hand, and the cash on hand or collectable from accounts on the companies' books, the amount of capital employed in the operation of British Columbia coal mines in 1924, amounted to \$34,386,682, an advance of about 6 million dollars over the total of \$28,354,491 reported in 1923. Nearly the whole of this advance was in the reported value of mining properties. There were 38 mines in operation in British Columbia during 1924. It is necessary to make a special note regarding this number as in 1923 only 16 mines were reported. In that year, however, several mines operated by an individual company were counted as a single operating unit; in 1924, every individual mine was counted as a unit.

**Table 137.—Capital Employed in the Coal Mines of British Columbia,
1923 and 1924**

Capital employed as represented by—	1923	1924
	\$	\$
Cost of lands, buildings, plant machinery and tools.....	25,533,027	31,896,185
Cost of supplies and stock on hand	649,852	774,181
Cash, trading and operating accounts and bills receivable.....	2,171,612	1,716,316
Total.....	28,354,491	34,386,682

CHAPTER ELEVEN

YUKON

There is little to be said regarding the coal mining industry in the Yukon Territory. For many years there has been a small production of coal from the mines in this area, and the whole output is used locally. Imports are also negligible. In order, however, that the report on coal statistics for Canada may be complete, tables have been included in this report to show the statistics relating to Yukon Territory mines separately from those of British Columbia.

Table 138.—Output of Coal from Yukon Territory Mines, 1901-1924

(Short tons)

Calendar year	Short tons	Value	Calendar year	Short tons	Value
		\$			\$
1901.....	*5,864	86,230	1913.....	19,722	95,945
1902.....	4,910	37,280	1914.....	13,443	53,760
1903.....	1,849	29,584	1915.....	9,724	38,896
1904.....			1916.....	3,300	13,200
1905.....	7,000	21,000	1917.....	4,872	†29,232
1906.....	7,000	28,000	1918.....	2,900	11,600
1907.....	15,000	60,000	1919.....		
1908.....	3,847	21,158	1920.....		
1909.....	7,364	49,502	1921.....	233	2,472
1910.....	16,185	110,925	1922.....	465	4,650
1911.....	2,840	12,780	1923.....	313	1,485
1912.....	9,245	44,958	1924.....	1,121	8,265
			Total.....	137,197	769,922

*Part of this production was mined in 1900.

†Value not reported, but estimated.

NOTE.—For the years 1919-1924 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 139.—Disposition of Coal Output from Yukon Mines by Grades, 1923 and 1924

(Short tons)

Disposition	1923				1924			
	Run-of-mine	Screened	Slack	Total coal	Run-of-mine	Screened	Slack	Total coal
Shipped (all to Yukon points).....		440		440		501		501
Used under colliery boilers, etc.....			20	20	20			20
Put on waste heap.....							600	600
Total Disposition.....		440	20	460	20	501	600	1,121
Lifted from Bank.....		147		147				
Total output.....		293	20	313	20	501	600	1,121

Table 140.—Exports of Canadian Coal through Yukon Ports, 1922-1924

(Short tons)

Port	1922	1923	1924
Dawson.....		16	
Whitehorse.....		30	
Total		46	

Table 141.—Imports into Yukon of Anthracite and Bituminous Coal by Grades and Ports of Entry, 1922-1924

(Short tons)

Port	Source and year	Anthracite			Bituminous			Total all grades
		Egg, nut, etc.	Dust	Total	Round and run-of-mine	Slack	Total	
Dawson.....	U.S. 1922				17		17	17
	1923				5		5	5
	1924							
White Horse.....	U.S. 1922				15		15	15
	1923							
	1924				24		24	24
Total	U.S. 1922				32		32	32
	1923				5		5	5
	1924				24		24	24

Table 142.—Summary Statistics for 1920-1924—Output, Exports, Interprovincial Shipments, Imports and Coal Made Available for Consumption in Yukon

(Short tons)

	1920	1921	1922	1923	1924
CANADIAN COAL—					
Output—					
* Total Bituminous.....		233	465	313	1,121
Received from Canadian provinces—					
Total Bituminous.....		8,657			
Exported—					
Total Bituminous.....		32		46	
IMPORTED FROM—					
United States—					
Total Bituminous.....		5	32	5	24
COAL MADE AVAILABLE FOR CONSUMPTION—					
Total Bituminous.....		8,863	497	272	1,145

Table 143.—Employment and Earnings in the Coal Mines of Yukon, 1921-1924

	1921	1922	1923	1924
Average number of wage-earners—				
Surface		1	1	1
Underground.....	1	1	1	1
Total.....	1	2	2	2
Days' work done—				
Surface.....		25	25	231
Underground.....	186	25	25	231
Total.....	186	50	50	462
Average number of days worked per man per year—				
Surface.....		25	25	231
Underground.....	186	25	25	231
Total.....	186	25	25	231
Total wages paid..... \$	1,000		*1,000	
Average wage earned per man per day..... \$	5 28			

*Includes wages paid to employee while engaged in pursuits other than mining.

Table 144.—Number of Wage-Earners, Work Done by Months in the Yukon Coal Mines in 1924

Month	Number of employees		Total	Days' work done		Total
	Surface	Under-ground		Surface	Under-ground	
1924						
July.....	3	3	6	78	78	156
August.....	3	3	6	78	78	156
September.....	3	3	6	75	75	150
Total.....				231	231	462

Table 145.—Capital Employed in the Coal Mines of Yukon, 1923 and 1924

Capital employed as represented by—	1923	1924
	\$	\$
Cost of lands, buildings, plant machinery and tools.....	202,500	202,500
Cost of supplies and stock on hand.....	500	
Cash trading and operating accounts and bills receivable.....		
Total.....	203,000	202,500

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