

CANADA
DOMINION BUREAU OF STATISTICS
MINING, METALLURGICAL AND CHEMICAL BRANCH

COAL STATISTICS FOR CANADA

FOR THE CALENDAR YEAR
1923

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
1924

Price, 25 cents

LIST OF PUBLICATIONS

PREPARED IN THE

MINING, METALLURGICAL AND CHEMICAL BRANCH

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General Reports—

(a) **Annual Report on the Mineral Production of Canada.**

(b) **Preliminary Reports (semi-annual) on the Mineral Production of Canada**

Coal—

(a) **Annual Report on Coal Statistics for Canada.**

(b) **Monthly Report on Coal Statistics for Canada.**

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(3) **Special Report.**

Report on the Consumption of Prepared Non-Metallic Minerals in Canada.

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PREFACE

The present report on Coal Statistics for Canada covering the calendar year 1923 is issued in continuance of the Bureau's series of annual reports on this subject and contains comprehensive statistics covering all important phases of the production and distribution of Canadian coal and of imports from foreign sources, tabulated in readily accessible form. Data regarding capital invested in coal mining in Canada, and of salaries and wages paid, man-days' work done and tonnages lost have also been included. The publication by the Bureau of Monthly Reports on Coal Statistics for Canada for the past three years has served to keep the public informed during the interval regarding the coal situation, and the keen demand for these reports from many sources would indicate that the public finds them of considerable value. The scope of the work of the Bureau on coal statistics is described in the note on the next following page.

The thanks of the Bureau are hereby tendered to the coal operators who, through the agency of their respective Provincial Governments, have furnished the Bureau each month with the 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, June 20, 1924.

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 collieries, (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) DEALERS' REPORTS

In addition to the above records of supply and distribution, the Bureau received, up to March 31, 1924, a monthly report from wholesale and retail dealers throughout Canada showing receipts and stocks on hand, together with a summary statement of total costs (cost at mine, freight, duty, exchange, loss in handling and unloading charges) and prices. A monthly compilation of the returns re receipts was made; stocks in store were compiled monthly for seaboard points, and quarterly for the whole country. Data on these subjects are included in this report, but this service was discontinued as from March 31, 1924, as above noted.

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

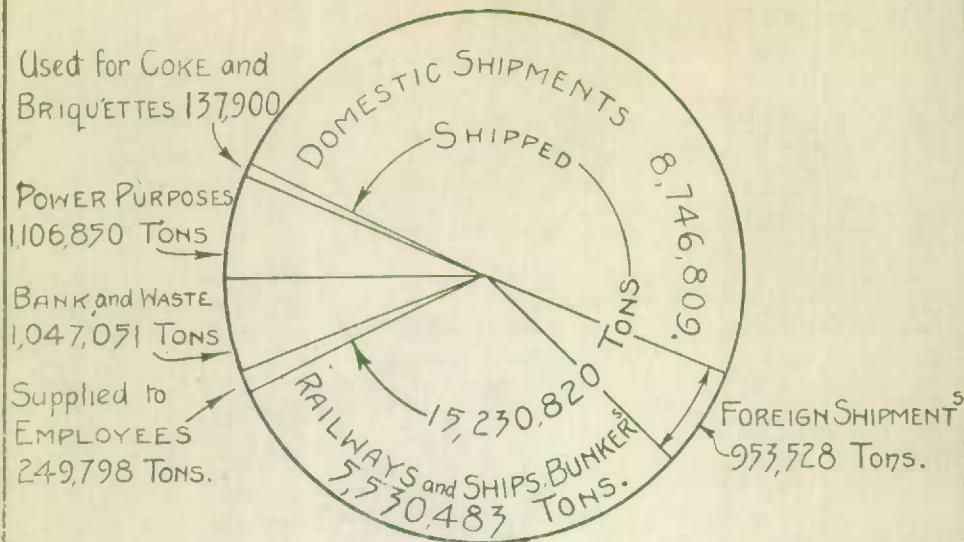
* * *

The statistics under (1) and (2) above are carried out in the Mining, Metallurgical and Chemical Branch of the Bureau. The dealers' reports and the records of prices are collected in the Internal Trade Branch. It may be added that the latter branch handled the statistical work of the Fuel Controller in 1917-18 and later, when a more elaborate series of records were maintained, including, (a) a detailed record of dealers' costs and margins (instead of the summary now obtained), (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 as a basis of organization in the event of an emergency arising and as more closely touching the public interest.

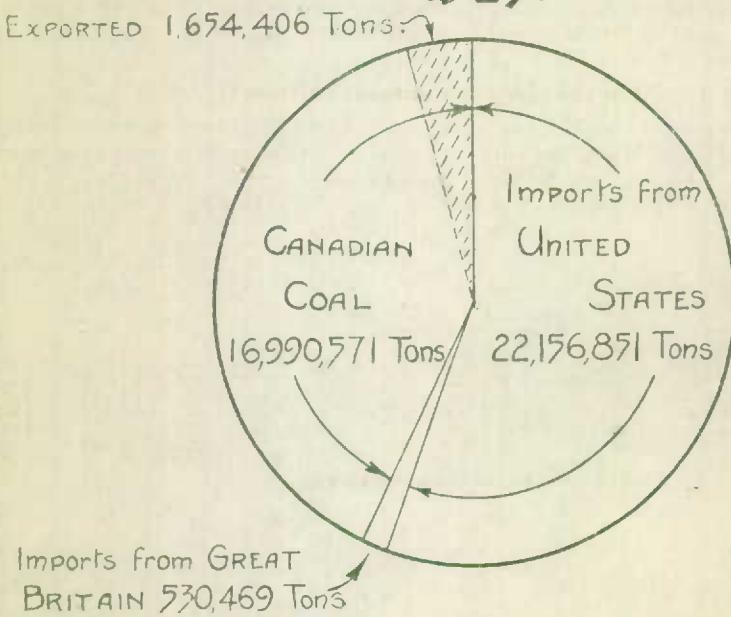
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DISPOSITION OF COAL FROM CANADIAN MINES 1923.



COAL MADE AVAILABLE FOR CONSUMPTION 1923.



COAL STATISTICS FOR CANADA

FOR THE CALENDAR YEAR 1923

CHAPTER ONE

DOMINION REVIEW

Output and Disposition

Output.—The total output of coal from Canadian mines during 1923 was 16,990,571 short tons, as compared with 15,157,431 tons in 1922, or an increase of 12 per cent in quantity. Comparison with the previous high record of 16,946,764 tons, made in 1920, shows that the 1923 output was greater by 43,807 tons, or 0·2 per cent.

The increase in production was largely due to the improved labour conditions prevailing throughout the year in the different fields. While the number of labour disputes increased from 15 in 1922 to 25 in 1923, the duration of these disputes and the time lost was much less in the latter year. During the period under review, 20,986 men were affected and 308,430 working days' time was lost, as against 25,251 men involved and 1,222,288 days of lost time in 1922. Thirteen strikes occurred in Alberta, one in British Columbia and the remaining eleven were in Nova Scotia. The biggest strike commenced July 4 and ended July 24 in Nova Scotia and involved 11,180 men who lost 216,700 working days. The majority of the disputes occurred in much smaller mines which averaged a few hundred employees each.

The value of the coal output in 1923 amounted to \$72,058,986 or an average of \$4.24 per ton. Higher values were recorded in 1920 and 1921. As compared with value of production for the year 1922, the 1923 total showed an increase of \$6,540,489 or 9·9 per cent.

Alberta again retained the premier position among the coal-producing provinces with an output of 6,854,397 tons; Nova Scotia followed closely with 6,597,838 tons, while British Columbia produced 2,823,306 tons. The latter province and New Brunswick, which accounted for 276,617 tons, showed slight decreases from the quantities produced in 1922. Saskatchewan also increased its production to 438,100 tons during 1923.

Table 1.—Output of Coal from Canadian Mines, 1785–1923

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.....	8,234,595	16,593,231	2.01
1882.....	1,848,148	3,248,446	1.76	1905.....	8,667,948	17,520,263	2.02
1883.....	1,818,684	3,109,635	1.71	1906.....	9,762,601	19,732,019	2.02
1884.....	1,984,959	3,593,831	1.81	1907.....	10,511,426	24,381,842	2.32
1885.....	1,920,977	3,117,807	1.78	1908.....	10,886,311	25,194,573	2.31
1886.....	2,116,653	3,739,840	1.77	1909.....	11,501,475	24,781,230	2.36
1887.....	2,429,330	4,388,206	1.81	1910.....	12,909,152	30,909,779	2.39
1888.....	2,602,552	4,674,149	1.80	1911.....	11,323,388	26,467,646	2.34
1889.....	2,658,303	4,894,287	1.81	1912.....	14,512,829	36,019,044	2.48
1890.....	3,081,682	5,676,247	1.84	1913.....	15,012,178	37,334,940	2.49
1891.....	3,577,749	7,019,425	1.96	1914.....	13,677,529	33,471,801	2.45
1892.....	3,287,745	6,393,757	1.94	1915.....	13,267,023	32,111,182	2.42
1893.....	3,783,499	7,359,080	1.96	1916.....	14,483,395	38,817,481	2.68
1894.....	3,847,070	7,429,468	1.93	1917.....	14,046,759	43,199,331	3.08
1895.....	3,478,344	6,739,153	1.94	1918.....	14,977,926	55,102,896	3.68
1896.....	3,745,716	7,226,462	1.93	1919*	13,919,096	55,622,070	3.99
1897.....	3,786,107	7,308,507	1.93	1920*	16,946,764	82,496,538	4.88
1898.....	4,173,108	8,224,283	1.97	1921*	15,057,493	72,451,655	4.81
1899.....	4,925,051	10,283,497	2.09	1922*	15,157,431	65,518,497	4.32
1900.....	5,777,319	13,742,178	2.38	1923*	16,990,571	72,958,985	4.24
1901.....	6,486,325	12,699,243	1.96	Total.....	38,154,615	1,003,040,547	
1902.....	7,466,681	15,210,877	2.04				

*For the years 1919-1923 the tonnage shown is the total output from all mines; for previous years the tonnage shown includes sales, colliery consumption, and coal used by the operators.

OUTPUT OF COAL BY PROVINCES 1882 TO 1922

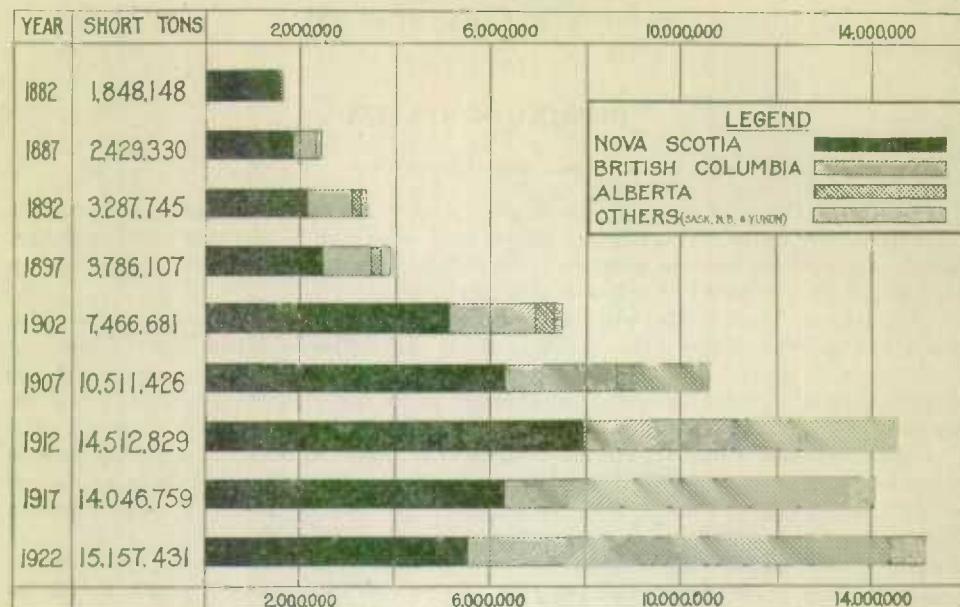


Table 2. Output and Value of Coal in Canada by Kinds and by Provinces, 1921, 1922 and 1923

(Short tons)

Province	1921			1922			1923		
	Quantity	Value	Number of Mines	Quantity	Value	Number of Mines	Quantity	Value	
Nova Scotia (Bituminous).....	5,734,928	\$ 27,782,050	57	5,569,072	\$ 24,629,921	56	6,597,838	\$ 28,170,458	
New Brunswick (Bituminous).....	187,192	920,664	19	287,513	1,107,643	17	276,617	1,196,772	
Saskatchewan (Lignite).....	335,632	823,180	59	382,437	802,053	61	438,100	858,448	
Alberta	(Anthracite.....	96,064	330,690		40,417	122,538		107	322
	Bituminous.....	2,867,833	14,406,482		2,846,405	12,993,976		3,243,803	15,296,435
	Sub-Bituminous.....							466,102	1,390,424
	Lignite.....	2,944,420	12,149,333		3,104,089	11,215,399		3,143,995	11,322,122
Total Alberta.....	5,909,217	27,246,514	357	5,990,911	24,351,913	356	6,854,397	28,018,303	
British Columbia (Bituminous).....	2,800,291	15,676,774	16	2,927,033	14,622,317	16	2,823,306	13,813,520	
Yukon (Bituminous).....		233	2,472	1	465	4,650	1	313	1,485
Canada.....	15,657,493	\$ 72,451,656	569	15,157,431	\$ 65,518,497	567	16,990,571	\$ 72,058,986	

*Not separately reported for 1921-1922.

Table 3.—Output of Coal from Canadian Mines by Months, 1921, 1922 and 1923

(Short tons)

Months	1921	1922	1923
January.....	1,372,734	1,231,855	1,831,058
February.....	1,214,839	1,287,274	1,640,202
March.....	1,142,581	1,446,506	1,468,296
April.....	932,737	672,694	1,311,896
May.....	992,901	734,814	1,262,617
June.....	1,106,932	832,085	1,318,442
July.....	1,170,067	935,363	995,671
August.....	1,519,025	851,222	1,595,051
September.....	1,321,214	1,635,736	1,239,871
October.....	1,407,944	1,934,616	1,536,317
November.....	1,522,027	1,856,893	1,515,490
December.....	1,354,482	1,738,313	1,285,661
Total.....	15,657,493	15,157,431	16,990,571

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.

Computed on the foregoing basis, the tonnage lost in Canadian coal mines during 1923 amounted to 26 per cent of the total output, while the corresponding figure for 1922 was 23 per cent. Absenteeism, car shortage, mine disability, and lack of orders all showed increased percentages of loss; "other causes" showed 1 per cent less than in 1922.

Table 4.—Tonnage Lost in the Coal Mines of Canada in 1922 and 1923 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				Other causes
			Absenteeism	Lack of orders	Car shortage	Mine disability	
Nova Scotia	1922	73	27	5.1	11.9	0.7	0.5
	1923	72	28	7.8	9.5	0.8	1.0
New Brunswick	1922	79	21	5.0	13.0	—	3.0
	1923	89	11	8.1	—	0.1	1.8
Saskatchewan	1922	77	23	0.3	19.5	0.4	0.5
	1923	75	25	0.9	17.8	1.1	2.3
Alberta	1922	78	22	1.3	13.3	0.9	3.6
	1923	73	27	1.2	18.4	3.2	0.4
British Columbia	1922	84	16	3.2	9.0	2.4	0.7
	1923	81	19	1.9	16.1	0.2	1.4
Canada	1922	77	23	3.1	12.2	1.1	6.2
	1923	74	26	4.0	14.3	1.7	5.2

TONNAGE PRODUCED AND LOST IN THE COAL MINES OF CANADA BY PROVINCES, 1922.

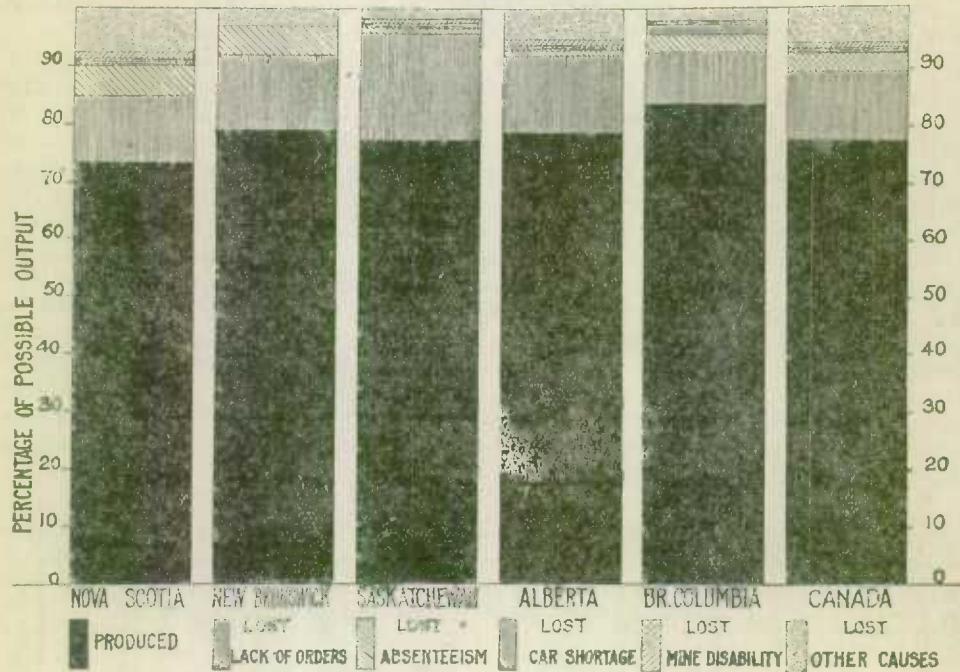


Table 5.—Tonnage Lost in the Coal Mines of Canada showing by Months the Relative Percentages produced and lost with an Analysis of the Percentage Lost in 1923.

Month	Per cent produced	Per cent lost	Percentage Lost Through				
			Absenteeism	Lack of orders	Car shortage	Mine disability	Other causes
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	2.9	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	13.8	1.7	0.9	5.6
June.....	76	24	6.4	11.4	0.6	1.4	4.2
July.....	60	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.....	68	34	3.0	27.9	1.6	0.2	1.3
Total.....	74	26	4.0	14.3	1.7	0.8	5.2

Disposition.—In Table 6 the disposition of coal from Canadian mines during the past two years has been tabulated. It will be observed that the total gain in output was more than 1,800,000 tons, and of this total gain, the portion shipped to the railroads amounted to 1,344,750 tons. A word of explanation may be given in connection with the items "put on bank" and "lifted from bank." The data show the total quantities put on bank at all mines during the year and the gross amount removed from bank during the year. The quantities of coal used for the manufacture of coke at the coal mines and also in briquette-making was less than 138,000 tons in 1923, but this figure represented a gain of more than 40 per cent above the figures for 1922. With the exception of shipments to railroads, as indicated above, the disposition of the output in 1922 showed little change from the corresponding data for the preceding year.

Table 6.—Disposition of Coal from Canadian Mines, 1922 and 1923

(Short tons)

	1922			1923		
	Total coal	Total value	Average value per ton	Total coal	Total value	Average value per ton
Supplied to employees for domestic consumption.....	239,180	604,732	2.52	249,708	645,392	2.58
Used for Power Purposes—						
(a) Shops.....	19,445	59,951	3.08	11,440	35,237	3.08
(b) Colliery boilers.....	923,202	2,810,309	3.08	1,006,880	3,101,062	3.08
(c) Companies' railroads.....	89,504	275,949	3.08	87,836	270,526	3.08
(d) Harbour tugs and dredges.....	465	1,433	3.08	694	2,140	3.08
Shipped. (See Table 9)—						
(a) Ships' bunkers.....	620,786	3,532,761	5.61	606,621	3,178,825	5.24
(b) Railroads.....	3,579,212	17,083,811	4.77	4,923,962	23,048,877	4.68
(c) Other.....	9,287,196	41,036,124	4.41	9,700,337	11,318,156	4.26
Used in making coke at the colliery.....	77,363	392,091	5.07	120,537	549,773	5.17
Used in making briquettes.....	20,569	27,357	1.33	37,363	100,587	2.85
Put on bank.....	689,111	3,309,460	4.80	730,151	2,993,775	3.98
Put on waste heap.....	336,506	6,425	0.02	316,930	851	0.00
Total Disposition.....	15,898,551	69,176,403	4.35	17,772,419	75,131,201	4.23
Lifted from bank.....	731,120	3,657,906	5.00	781,848	3,072,215	3.93
Total Output.....	15,157,431	65,518,497	4.32	16,993,571	72,058,986	4.21

Table 7.—Disposition of Coal from Canadian Mines by Provinces, 1922

(Short tons)

	Nova Scotia	New Brunswick	Saskat-chewan	Alberta	British Columbia and Yukon	Total for Canada
Supplied to employees for domestic consumption.....	150,657	2,785	4,095	51,904	29,748	239,189
Shops, etc.....	19,445					19,445
Used under colliery boilers, etc.....	430,083	5,786	15,602	275,831	186,900	923,202
Used by company's railroad.....	49,880	58	3,666	8,702	27,198	89,504
Shipped. (See Table 9).....	4,857,835	277,323	355,901	5,612,535	2,389,603	13,493,197
Used for making coke at colliery.....					77,363	77,363
Harbour tugs and dredges.....	465					465
Used in making briquettes.....						20,569
Put on bank.....	551,820	22,265	3,719	30,800	80,507	689,111
Put on waste heap.....	25,816	127	2,949	64,317	243,297	336,506
Total Disposition	6,095,001	308,344	385,932	6,064,658	3,834,616	15,888,551
Lifted from bank.....	525,929	20,831	3,495	73,747	107,118	731,120
Total Output	5,569,072	287,513	382,437	5,990,911	2,927,498	15,157,431

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

(Short tons)

	Nova Scotia	New Brunswick	Saskat-chewan	Alberta	British Columbia and Yukon	Total for Canada
Supplied to employees for domestic consumption.....	162,987	3,508	3,908	51,620	27,670	219,798
Shops, etc.....	11,440					11,440
Used under colliery boilers, etc.....	499,376	7,963	20,729	268,921	218,900	1,006,880
Used by company's railroad.....	59,383	86	2,967	7,605	17,795	87,836
Shipped. (See Table 9).....	5,884,084	264,558	407,422	6,447,023	2,227,733	15,230,820
Used for making coke at colliery.....					100,537	100,537
Harbour tugs and dredges.....	604					604
Used in making briquettes.....						37,363
Put on bank.....	534,709	34,385	5,163	55,718	190,170	739,151
Put on waste heap.....	14,614	137	2,695	74,818	224,636	316,900
Total Disposition	7,158,287	318,637	442,965	6,813,874	2,917,456	17,772,419
Lifted from bank.....	560,449	34,020	1,865	88,677	93,837	781,848
Total Output	6,597,838	276,617	438,100	6,851,397	2,823,619	16,999,571

Shipments.—A compilation has been made in Table 9 to show the tonnages of coal shipped from Canadian mines by grades and destinations for the past two years. Domestic shipments, including under this heading all shipments direct from the mines to points in Canada, amounted to 8,746,809 tons in 1923, as compared with 7,996,485 tons in 1922. Considerably more Canadian coal was sold for railroad consumption in 1923 than in the preceding year, but the supply to ships' bunkers declined slightly. For these two purposes 5,530,483 was disposed of at the mines during the period, as against 4,206,001 in 1922. The amount sold for railroad locomotive use (shown in Table 27) was 9,936,739 tons. It would appear that roughly about one-half of the total consumption of coal by Canadian railroad locomotives was of domestic origin. Foreign shipments reported by mine operators, and including only the coal shipped direct from the mines for export trade, amounted to 953,528 tons, or a decrease of 26 per cent below the record for 1922, when 1,290,711 tons was exported. The total quantity of Canadian coal cleared for export through customs ports was 1,654,406 tons, or a decrease of 164,176 tons below the 1922 exports. The apparent discrepancy between these two totals is easily explainable and is due largely to the fact that brokers and others purchase considerable quantities of coal from the Canadian mine operators and then dispose of their purchases in the foreign market. Thus, the coal reported by the operator as sold by him for delivery to Canadian points is subsequently exported

and this tonnage is 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.

From the foregoing, it appears that nearly eight and three-quarter million tons of Canadian coal was burned in Canada during 1923; of this amount about one-half was consumed in the producing provinces and approximately four million tons of Canadian coal moved in inter-provincial trade during the year. Shipments of Nova Scotia coal to other Canadian provinces, principally New Brunswick, Prince Edward Island and Quebec, amounted to 2,179,061 tons. The province of Quebec received 1,540,284 tons of Canadian coal, an increase of 85,968 tons above the receipts of Canadian coal in the preceding year and more than five times as much as reached this province in 1920.

The restoration of the St. Lawrence trade to the normal pre-war figure of 2,000,000 tons per season was therefore almost overtaken during 1923. Shipments of Canadian coal into the province of New Brunswick were about 563,600 tons, while the shipments from that province to other points in Canada amounted to 32,110 tons. About 77,760 tons of Canadian coal was shipped into Central Ontario during the year. Manitoba and the section of Ontario lying west of Fort William and Port Arthur received approximately 784,950 tons. Saskatchewan's receipts of Canadian coal were about 1,251,550 tons, while the shipments from that province to other places in Canada were nearly 219,940 tons. Alberta coal to the extent of 1,934,000 tons found its way to other Canadian provinces and 62,100 tons of British Columbia coal was also shipped for consumption in other parts of Canada.

Table 9.—Shipments of Coal from Canadian Mines by Grades and Destinations, 1922 and 1923

(Short tons)

Destination	1922				1923			
	Run-of-mine	Screened	Slack	Total	Run-of-mine	Screened	Slack	Total
Nova Scotia.....	633,310	453,722	241,037	1,295,069	574,835	571,775	709,353	1,855,963
Prince Edward Island.....	13,982	56,537	476	70,995	13,990	68,047	380	82,417
New Brunswick.....	327,004	182,377	52,839	562,220	402,061	220,573	52,517	735,151
Quebec.....	1,186,408	17,239	250,660	1,474,246	1,290,477	28,151	221,656	1,540,284
Ontario.....	14,227	22,123	2,457	38,807	24,371	45,075	8,320	77,766
Manitoba.....	133,242	501,699	63,220	695,161	176,413	537,433	71,102	781,948
Saskatchewan.....	226,485	1,096,848	109,063	1,432,396	234,900	1,078,918	110,598	1,424,316
Alberta.....	263,409	851,790	258,295	1,373,494	229,761	807,304	293,881	1,330,946
British Columbia.....	120,197	713,777	233,503	1,067,567	91,750	576,429	246,399	911,578
Yukon.....	300	81	79	460	.....	440	.....	410
Total Domestic Shipments	2,918,564	3,896,193	1,181,728	7,996,485	3,098,558	3,934,045	1,714,206	8,746,809
Railroads.....	3,220,113	186,024	173,075	3,579,212	4,540,483	238,059	145,420	4,923,962
Ships' Bunker.....	301,799	321,081	3,909	626,789	260,144	338,072	8,305	606,521
Total Railroads and Ships' Bunkers.....	3,521,912	507,105	176,981	4,206,001	4,800,027	576,131	153,725	5,530,483
United States.....	568,912	348,060	147,263	1,064,235	323,965	196,268	63,173	583,496
Newfoundland.....	78,854	127,376	9,992	216,222	107,465	153,444	10,476	271,385
West Indies.....	.....	.....	.....	.....	.....	106	.....	106
Europe.....	.....	386	.....	386	86,536	1,420	.....	87,636
Other Places.....	1,718	7,868	112	9,698	3,031	7,383	561	10,975
Lost at Sea.....	.....	170	.....	170	.....	.....	.....	.....
Total Foreign Shipments	649,484	483,860	157,367	1,290,711	520,997	358,321	74,210	853,528
Total	7,089,560	4,887,158	1,516,079	13,493,197	8,429,182	4,868,497	1,942,141	15,230,820

Exports.—Exports of Canadian coal were lower in 1923 than in any of the three preceding years. Three tables have been prepared dealing with exports. Table 10 shows the quantity and value of the exports of Canadian coal for each of the past ten years. 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 included under the heading "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. It, sometimes, happens that coal mined in one province is exported through another province. For example, practically all the Alberta coal sold for export is actually cleared through the ports of Fernie and Cranbrook in British Columbia. Similarly, Nova Scotia coal is sometimes exported through New Brunswick ports. Table 11 shows the quantity of Canadian coal exported from eastern and western Canada during each of the past three years.

In recent years it has been possible for Canadian producers to market varying quantities of coal in Europe as well as in the United States and Newfoundland, and to show where the Canadian coal has been shipped, Table 12 has been compiled by the External Trade Branch of the Bureau from records supplied by the Department of Customs. This table shows the quantity and value of Canadian coal exported during each of the past three years by countries of destination.

Table 10.—Exports of Canadian Coal, 1914-1923

(Compiled in The External Trade Branch from Customs Records)

(Short tons)

Year	Short tons	Value	Year	Short tons	Value
		\$			\$
1914.....	1,423,126	3,780,175	1915.....	2,070,050	12,458,885
1915.....	1,766,513	5,406,058	1920.....	2,558,174	18,014,899
1916.....	2,135,359	7,099,387	1921.....	1,987,251	13,896,370
1917.....	1,733,156	7,387,192	1922.....	1,818,582	11,159,060
1918.....	1,817,195	9,405,423	1923.....	1,654,406	10,661,393
Total.....				18,963,842	99,248,848

Table 11.—Exports of Canadian Coal from Eastern and Western Canada, 1921, 1922 and 1923

(Short tons)

	1921	1922	1923
Eastern Canada.....	799,582	763,115	796,015
Western Canada.....	1,187,694	1,055,467	858,391
Total Exports.....	1,987,276	1,818,582	1,654,406

Table 12.—Exports of Canadian Coal by Destination, 1921, 1922 and 1923

(Compiled in the External Trade Branch)

(Short tons)

Destination	1921		1922		1923	
	Short tons	Value	Short tons	Value	Short tons	Value
United Kingdom.....	362,088	\$ 2,906,588	27,614	\$ 231,483	65,260	\$ 489,750
British South Africa.....	12,450	110,076	7,406	45,286	669	4,676
British West Africa.....						
Bermuda.....	624	7,851	1,059	7,408	9,972	78,432
British East Indies—						
India.....			1,277	10,935		
British Guiana.....	17,224	107,872	7,322	73,127	21,029	177,307
British West Indies—						
Barbados.....	870	7,282	1,166	25,526	1,858	13,176
Jamaica.....	275	3,300			745	6,155
Trinidad.....	2,710	22,306				
Other B. W. I.....	109	1,417	311	2,772	749	6,817
Egypt and Sudan.....	4,495	34,674	250	*2,000		
Gibraltar.....	11,608	96,346	6,284	43,474	4,509	31,566
Hong Kong.....			0	67		
Malta.....					450	3,150
Newfoundland.....	212,611	1,627,703	196,384	1,309,040	258,294	1,760,537
Australia.....	10,935	104,029	16,724	124,569	18,645	150,476
Fiji.....					1,417	11,701
New Zealand.....	7,750	77,000	3,847	24,043	3,537	24,174
Total British Empire.....	643,747	5,198,644	273,354	1,899,736	387,133	2,757,986
Argentina.....					11,512	
Belgium.....	9,648	91,337	4,104	31,733	1,913	13,787
Brazil.....	1,487	14,870	432	2,565		
China.....	7,531	67,778	4,391	36,281	6,682	53,423
Cuba.....	903	7,768	5,557	49,981	1,178	10,205
Denmark.....	4,205	35,298	1,820	14,059	381	2,667
Greenland, Iceland, etc.....	2,606	21,746				
Finland.....			296	2,368		
France.....	13,340	115,470	7,219	55,279	12,097	92,677
French Possessions—						
French Africa.....	5,817	59,365	141	1,128	265	1,855
St. Pierre and Miquelon.....	11,494	98,506	11,216	77,817	12,366	86,428
Germany.....	7,970	64,669	2,799	20,994	308	2,849
Greece.....					914	6,398
Hayti.....						
Italy.....	5,492	49,416	9,601	76,369	10,427	73,623
Japan.....	37,705	328,405	21,763	178,830	18,413	146,651
Mexico.....						
Morocco.....						
Netherlands.....	70,054	515,184	5,445	42,876	71,966	450,849
Netherlands Possessions—						
Dutch East Indies.....						
Norway.....	4,205	34,613	235	7,697	3,811	26,677
Panama.....	1,616	14,544			683	4,610
Poland.....						
Portugal.....					416	2,912
Russia.....	5,589	42,254	600	4,152	396	3,649
San Domingo.....	230	2,473				
Spain.....			453	3,220		
Sweden.....			1,096	9,080	249	1,680
United States.....	1,124,277	6,879,119	1,419,786	8,252,995	1,072,011	6,486,977
Alaska.....	24,816	217,240	31,159	260,452	31,162	255,834
Hawaii.....			2,202	18,167		
Philippines.....	4,519	40,671	12,138	100,211	21,644	179,662
Uruguay.....						
Total, Foreign Countries.....	1,343,504	8,697,726	1,545,228	9,259,324	1,267,273	7,903,413
Grand Total	1,987,251	13,596,370	1,818,582	11,159,060	1,654,406	10,661,399

*Egypt only.

Imports and Distribution

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 13, "Imports of coal into Canada, entered for consumption" which was 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 14.

Since Canada's coal resources lie in the maritime provinces and in the three western provinces, Central Canada has so far been largely dependent upon the United States for its supply of fuel. Since 1922, owing to the great strike which tied up United States mines and some of those in Canada in that year, quantities of coal have been imported from Great Britain.

During 1923, the importations from Great Britain decreased from 819,130 tons to 530,469 tons, which included 240,303 tons of anthracite, 21,356 tons of dust, 55,937 tons run-of-mine and 212,873 tons of slack. Comparative figures for the different grades may be studied in Table 15. Imports of coal from the United States amounted to 22,156,851 tons, comprising 17,250,629 tons of bituminous coal and 4,906,222 tons of anthracite. As compared with the records for the preceding year, the imports of bituminous coal were approximately 6,326,600 tons higher and the imports of anthracite were in the neighbourhood of 2,392,000 tons more.

Tables 16 and 17 show for anthracite and bituminous coal respectively the importations by provinces and by grades of coal for the past three years. These data have been supplemented in Table 18 by a compilation showing the average importations of anthracite and bituminous coal from all sources by grades and by provinces during the five years 1919-1923. Similar data for the principal fuel-consuming areas in Central Canada are shown in Table 19.

Table 13.—Imports of Coal into Canada, "Entered for Consumption", 1913-1923

(Compiled in the External Trade Branch, from Customs records)

Calendar year	Anthracite coal and anthracite dust (a)		Bituminous round and run-of-mine (b)		Bituminous slack such as will pass through $\frac{1}{2}$ " screen (c)	
	Short tons	Value	Short tons	Value	Short tons	Value
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.....	4,073,192	18,753,980	6,106,794	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	12,407,496	33,712,894	3,129,776	8,739,877
1918.....	4,785,160	26,007,888	13,659,360	37,291,057	3,237,067	8,351,639
1919.....	4,932,675	31,595,694	10,127,065	24,750,717	2,228,197	4,814,388
1920.....	4,892,313	36,773,351	11,154,475	50,808,626	2,312,754	10,451,621
1921.....	4,553,820	40,293,639	11,194,635	41,000,322	2,553,607	7,630,773
1922.....	2,705,752	23,795,143	8,133,366	30,171,375	2,184,407	7,215,910
1923.....	5,185,382	46,457,962	11,933,610	39,511,911	3,888,630	10,387,188

(a) Coal, anthracite and anthracite coal dust, duty free. (b) Duty, 53 cents per ton. (c) Duty, 14 cents per ton.

Table 14.—Imports of Coal into Eastern and Western Canada by Kinds and Grades, 1921, 1922 and 1923

(Short tons)

Destination	Anthracite			Bituminous			Total all grades
	Egg, nut, etc.	Dust	Total Anthracite	Round and run-of-mine	Slack	Total Bituminous	
EASTERN CANADA—							
1921	4,099,214	173,222	4,272,436	9,084,078	2,378,379	11,462,457	15,334,893
United States	2,215,461	226,282	2,441,443	7,117,737	1,753,066	8,870,803	11,312,546
Great Britain	165,201	13,281	178,482	441,015	197,963	618,918	817,400
Total	2,380,662	239,563	2,620,225	7,558,732	1,950,969	9,509,721	12,129,946
1922	4,379,068	336,335	4,765,343	11,315,253	3,449,567	14,761,820	19,530,163
United States	240,303	21,356	261,659	55,036	212,873	268,809	530,468
Great Britain	4,619,311	407,191	5,027,002	11,371,189	3,662,440	15,033,629	20,060,631
WESTERN CANADA—							
1921	292,183	2,751	294,934	1,804,312	179,481	2,073,793	2,368,727
United States	68,645	3,861	72,506	1,922,496	130,746	2,053,242	2,125,748
Other Countries	1,228	—	1,226	501	—	504	1,730
Total	69,871	3,861	73,732	1,923,000	130,746	2,053,746	2,127,478
1922	150,998	9,881	119,879	*2,648,463	437,346	*2,485,809	*2,626,688
United States	130,998	9,881	140,879	*2,048,464	437,346	*2,485,810	*2,626,689
1923	130,998	9,881	140,879	*2,048,464	437,346	*2,485,810	*2,626,689
Totals—							
1921	4,391,392	175,973	4,567,370	10,978,390	2,557,860	13,536,250	18,103,620
United States	2,284,106	230,143	2,514,249	9,040,233	1,883,812	10,924,045	13,438,294
1922	166,427	13,281	179,708	441,519	197,963	639,422	819,130
Great Britain and Other Countries	2,450,533	243,424	2,693,357	8,481,752	2,081,715	11,563,467	14,257,424
Total	4,510,006	396,216	4,906,222	*13,363,716	3,886,913	*17,250,623	*22,156,851
1923	240,303	21,356	261,659	55,937	212,873	268,810	530,469
Great Britain	4,750,309	417,572	5,167,881	*13,419,653	4,099,786	*17,519,439	*22,687,320

*Includes 2,331 tons Lignite coal.

Table 15.—Imports of Coal into Canada from Great Britain, by Kinds and Grades and by Provinces, 1922 and 1923

(Short tons)

Destination	1922				1923			
	Anthracite		Bituminous		Anthracite		Bituminous	
	Nut, Egg, etc.	Dust	Round and run-of-mine	Slack	Nut, Egg, etc.	Dust	Round and run-of-mine	Slack
Nova Scotia	5,645	—	3,267	—	18,570	—	7,871	—
Prince Edward Island	—	—	—	—	—	—	—	—
New Brunswick	19,420	—	1,999	17,132	35,787	—	5,513	17,927
Quebec	139,236	13,281	(a) 432,037	177,554	183,702	21,356	42,552	104,946
Ontario	900	—	3,712	3,217	2,244	—	—	—
Manitoba	—	—	—	—	—	—	—	—
Saskatchewan	—	—	—	—	—	—	—	—
Alberta	—	—	—	—	—	—	—	—
British Columbia	(b) 1,226	—	(b) 504	—	—	—	—	—
Yukon	—	—	—	—	—	—	—	—
Canada	166,427	13,281	441,519	197,903	240,303	21,356	55,937	212,873

(a) Includes Round and Run-of-Mine, 75 tons imported from Other Countries.

(b) Imported from Other Countries.

Table 16.—Imports of Anthracite Coal into Canada from United States by Kind and Grades and by Provinces, 1921, 1922 and 1923

(Short tons)

Destination	1921		1922		1923	
	Egg, Nut, etc.	Dust	Egg, Nut, etc.	Dust	Egg, Nut, etc.	Dust
Nova Scotia.....	62,203	42	21,363	56	35,169	.....
Prince Edward Island.....	6,643	.....	4,589	.....	4,303	.....
New Brunswick.....	82,509	.....	40,252	.....	54,291	265
Quebec.....	1,184,445	127,267	633,237	156,210	1,359,735	251,616
Ontario.....	3,024,304	45,913	1,573,545	70,016	2,999,919	142,603
Manitoba.....	30,724	2,739	10,975	3,740	54,290	1,566
Saskatchewan.....	254	.....	111	120	2,125	166
Alberta.....	66	.....	.....	.....	.....	.....
British Columbia.....	249	2	34	.....	174	.....
Canada	4,391,397	175,973	2,284,106	230,142	4,510,066	336,216

Table 17.—Imports of Bituminous Coal into Canada from United States by Kinds and Grades and by Provinces, 1921, 1922 and 1923

(Short tons)

Destination	1921		1922		1923	
	Round and run- of-mine	Slack	Round and run- of-mine	Slack	Round and run- of-mine	Slack
Nova Scotia.....	1,421	454	5,245	988	26,340	18,086
Prince Edward Island.....	238	.....	619	736	1,265	.....
New Brunswick.....	18,019	23,931	23,982	37,240	50,882	27,960
Quebec.....	2,059,632	624,934	1,052,360	264,309	2,187,348	235,643
Ontario.....	8,854,892	1,854,854	7,917,917	1,529,676	11,048,490	3,019,512
Manitoba.....	25,815	51,018	29,491	45,357	34,328	77,806
Saskatchewan.....	645	1,482	385	1,099	421	1,186
Alberta.....	797	1,032	538	609	564	546
British Columbia.....	16,926	155	0,664	3,798	*14,075	6,174
Yukon.....	5	.....	32	.....	5	.....
Canada	10,978,390	2,557,860	9,040,233	1,883,812	13,363,716	3,886,913

*Includes 2331 tons lignite coal.

Table 18.—Average Imports of Coal into Canada by Kinds and Grades and by Provinces for the Five Years 1919-1923

(Short tons)

Destination	Anthracite			Bituminous			Total
	Egg, Nut, etc.	Dust	Total	Round and run- of-mine	Slack	Total	
Nova Scotia.....	49,676	19	49,695	10,176	3,982	14,158	63,853
Prince Edward Island.....	6,131	.....	6,131	555	147	702	6,833
New Brunswick.....	71,403	53	71,456	22,618	24,838	47,454	118,910
Quebec.....	1,187,151	211,447	1,398,598	2,106,123	503,586	2,789,709	4,188,305
Central Ontario.....	2,592,907	83,578	2,676,315	7,383,541	1,819,986	9,203,527	11,880,072
Head of Lakes.....	230,836	1,629	232,465	1,808,109	151,942	1,960,051	2,192,516
Total Ontario.....	2,823,803	85,207	2,909,019	9,191,650	1,971,928	11,163,578	14,072,588
Manitoba and Head of Lakes.....	24,214	2,678	26,892	20,925	44,096	74,021	100,913
Saskatchewan.....	255,050	4,307	259,357	1,838,034	196,098	2,034,072	2,295,429
Alberta.....	531	68	597	625	806	1,431	2,028
British Columbia.....	94	35	129	509	655	1,164	1,293
Yukon.....	378	1	379	11,369	2,855	14,224	14,603
Canada	4,163,381	299,506	4,462,887	11,463,558	2,642,893	14,106,451	18,569,338

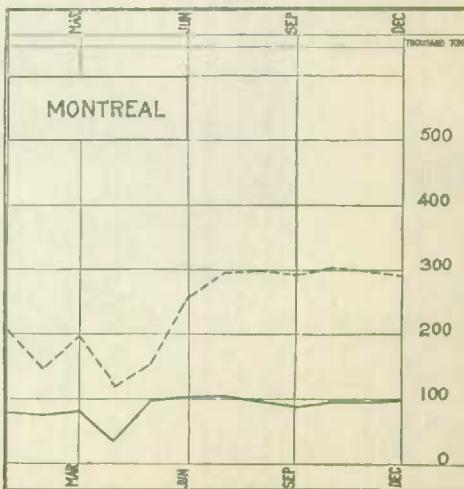
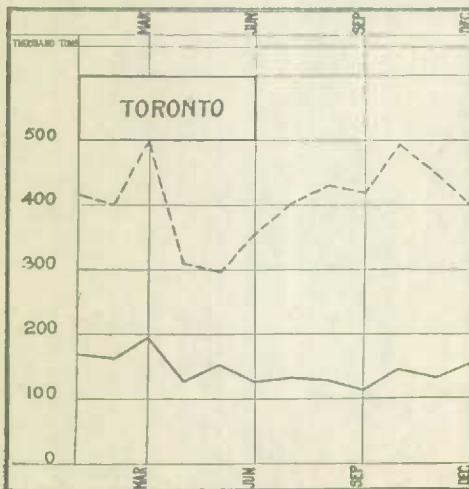
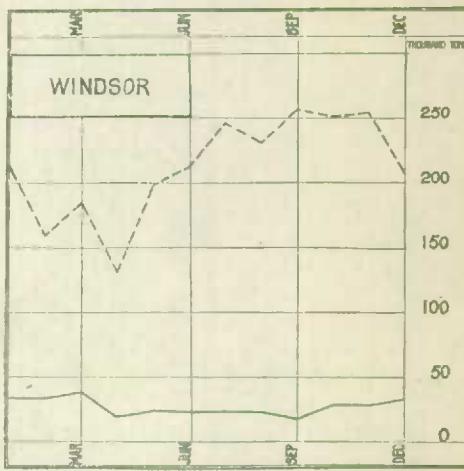
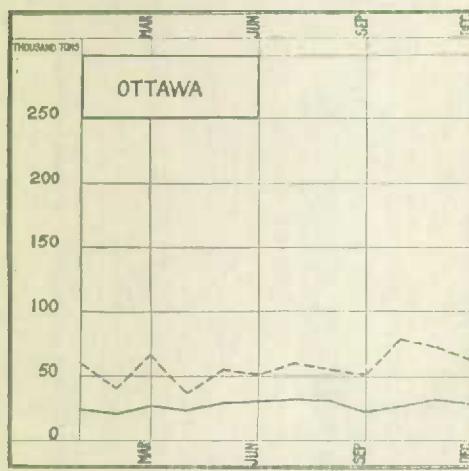
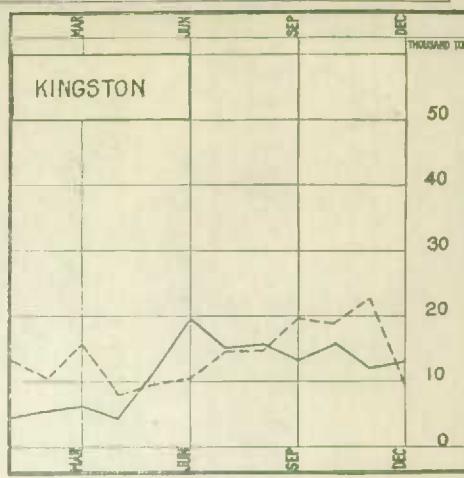
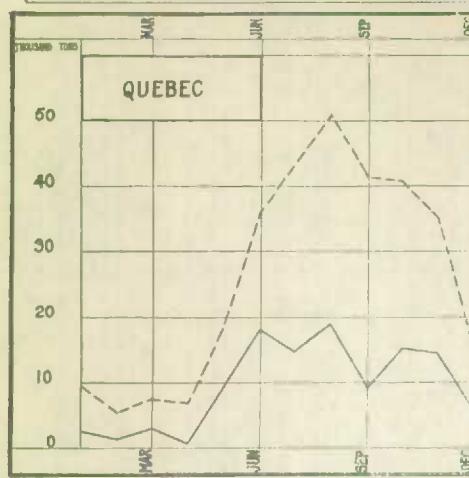
Table 19.—Average Imports of Coal into Central Canada by Principal Areas for the Five Years 1919-1923

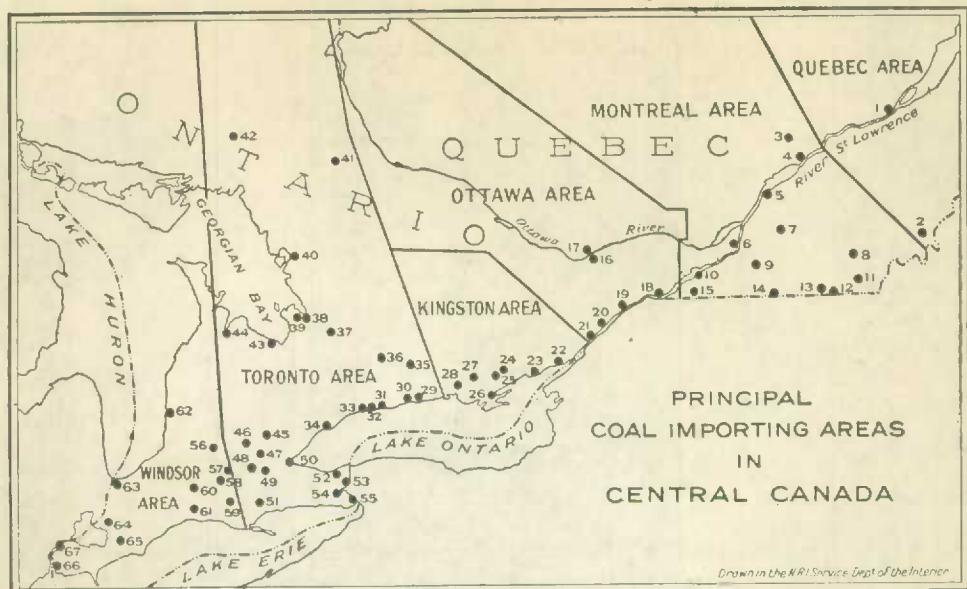
(Short tons)

Destination	Anthracite			Bituminous		
	Egg, Nut, etc.	Dust	Total	Round and run- of-mine	Slack	Total
Quebec.....	107,722	16,713	124,435	168,775	50,910	219,685
Montreal.....	1,067,879	193,408	1,261,287	1,991,869	512,032	2,501,801
Ottawa.....	310,077	12,306	322,383	527,233	155,396	682,619
Kingston.....	133,479	994	134,473	74,744	90,019	161,763
Toronto.....	1,800,179	65,324	1,865,503	3,941,033	887,940	4,828,973
Windsor.....	338,214	6,107	344,321	2,056,132	443,407	2,499,629
Total.....	3,757,558	291,852	4,052,402	8,759,776	2,149,694	10,900,470

AVERAGE MONTHLY IMPORTS OF COAL INTO CENTRAL CANADA
BY KINDS AND BY PRINCIPAL AREAS 1918-1922.

ANTHRACITE IN DOMESTIC SIZES ————— : INDUSTRIAL FUEL INCLUDING ANTHRACITE DUST & ALL BITUMINOUS - - - - -





Key to the Ports of Entry Shown on the Map

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

Distribution.—Many large industrial concerns purchase all their coal directly from the mines, but practically all the coal for domestic consumption passes through the hands of wholesale and retail dealers. Detailed statistics regarding the purchases of coal by large industrial consumers are not presently available; a compilation is, however, in process, the purpose of which is to show the consumption of coal by industries in Canada. Retail coal dealers report to the Internal Trade Branch of the Bureau regarding the movement of coal through their hands and Table 20 shows for each province the quantities and grades of coal thus distributed during the past two years. An annual record of the stocks of coal in the hands of wholesale and retail dealers is also obtained and Tables 21 and 22 show these statistics for 1922 and 1923.

Table 20.—Distribution of Coal through Retail Dealers by Provinces, 1922 and 1923

(Compiled in the Internal Trade Branch)

(Short tons)

Provinces	Year	Anthracite Coal from		Bituminous Coal from		Canadian Bituminous, Lignite and Others	Total
		United States	Great Britain	United States	Great Britain		
Nova Scotia.....	1922	19,807	3,964	2,701	.....	171,407	197,879
	1923	23,071	6,538	.....	.....	162,065	191,674
New Brunswick.....	1922	21,411	2,373	5,873	283	97,111	127,051
	1923	50,334	13,523	7,124	393	107,135	178,509
Prince Edward Island.....	1922	8,007	.....	.....	.....	39,480	47,487
	1923	2,428	103	1,209	.....	60,810	64,550
Quebec.....	1922	533,146	8,314	370,467	11,802	113,779	1,042,598
	1923	856,948	15,844	240,329	489	121,328	1,243,938
Ontario.....	1922	1,074,058	22,207	529,323	302	28,348	1,654,328
	1923	1,808,883	778	637,223	102	57,575	2,305,561
Manitoba.....	1922	45,436	.....	65,237	.....	273,264	383,937
	1923	35,609	.....	59,931	.....	302,094	398,234
Saskatchewan.....	1922	12,985	.....	2,280	.....	616,378	631,643
	1923	7,092	.....	828	.....	575,203	583,123
Alberta.....	1922	1,281	.....	27	.....	343,389	344,697
	1923	244	.....	153	.....	364,344	364,741
British Columbia.....	1922	3,994	.....	10,716	.....	356,250	370,966
	1923	287	.....	4,242	.....	332,488	337,017
Canada.....	1922	1,725,125	36,948	986,624	12,387	2,038,412	4,808,196
	1923	2,785,896	36,786	980,039	984	2,033,642	5,867,347

Table 21.—Stocks of Coal held by Wholesale and Retail Dealers, by Provinces at December 31, 1922

(Compiled in the Internal Trade Branch)

(Short tons)

Provinces	Anthracite from		Bituminous from			Canadian Lignite	Other	Total
	United States	Great Britain	United States	Great Britain	Canada			
Nova Scotia.....	3,184	.....	.....	1,696	7,676	.....	.....	12,556
New Brunswick.....	886	80	.....	53	1,600	.....	110	2,729
Prince Edward Island.....	.....	.....	.....	.....	2,203	.....	.....	2,203
Quebec.....	22,797	262	65,946	.....	1,091	.....	1,907	92,003
Ontario.....	53,219	880	309,300	250	739	212	269	364,879
Manitoba.....	23,505	.....	65,720	.....	8,343	20,480	237	118,285
Saskatchewan.....	2,419	.....	13,717	.....	3,448	52,750	542	72,877
Alberta.....	30	.....	13,529	.....	3,124	22,662	.....	39,315
British Columbia.....	48	.....	35	.....	18,442	732	.....	19,257
Canada.....	106,088	1,222	468,247	1,999	46,677	96,836	3,065	721,134

Table 22.—Stocks of Coal Held by Wholesale and Retail Dealers by Provinces at December 31, 1923

(Compiled in the Internal Trade Branch)

(Short tons)

Provinces	Anthracite from		Bituminous from			Canada Lignite	Other	Total
	United States	Great Britain	United States	Great Britain	Canada			
Nova Scotia.....	3,922	1,709	.....	.....	6,483	.....	.....	12,114
New Brunswick.....	4,800	6,188	.....	.....	3,333	.....	.....	11,121
Prince Edward Island.....	171	.....	.....	.....	2,377	.....	.....	2,548
Quebec.....	83,906	6,261	74,404	.....	68,406	.....	85	233,152
Ontario.....	285,235	496	225,929	.....	33,059	112	1,178	516,009
Manitoba.....	14,715	.....	19,176	.....	6,149	22,048	850	62,938
Saskatchewan.....	1,807	.....	16	.....	1,620	39,823	183	43,449
Alberta.....	51	.....	64	.....	2,927	13,008	.....	16,050
British Columbia.....	6	.....	118	.....	12,917	1,125	404	14,568
Canada.....	394,413	14,054	319,795	.....	137,271	76,116	2,700	944,949

Consumption.—Summary statistics have been prepared in Tables 23, 24 and 25 to show the output, exports, interprovincial shipments, imports and coal made available for consumption in Canada by provinces in each of the past three years. Table 25 shows the quantities of coal imported from Great Britain separately from the importations received from the United States.

The apparent consumption of coal in Canada during 1923 was 38,023,485 tons as compared with 27,596,273 tons in 1922 and 31,173,837 tons in 1921. The output figures shown in these tables were reported by the companies operating producing mines. The data on interprovincial shipments were also compiled from the monthly statements sent in by the coal operators. The imports and exports items were compiled 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. Imported coal dumped at the ports of Fort William and Port Arthur has been included in this table with the quantities cleared from customs in the ports of Manitoba since most of the coal unloaded at the Canadian ports at Head of the Lakes finds its way westward to points in Manitoba. In the chapters for Ontario and Manitoba, separate totals have been made to show the quantities of coal received in each province.

From the tables, it appears that in 1923, Canada produced 16.9 million tons, exported 1.6 million tons, imported from the United States 22.1 million tons and from Great Britain 0.5 million tons and thus apparently consumed 38.0 million tons. In 1922, when the output was 15.1 million tons, the quantity exported amounted to 1.8 million tons, imports 14.2 million tons and the apparent consumption was 27.5 million tons. As a matter of historical interest, Table 26 has been included showing the annual consumption of coal in Canada for the past twenty years. The consumption of coal by locomotives as compiled from the records of the Transportation Branch has been shown for the past ten years in Table 27.

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		
NOVA SCOTIA—						
Anthracite.....	5,734,928	241	1,459,422	727,787	62,245 1,875	62,245 3,549,835
Bituminous.....						
Total.....	5,734,928	241	1,459,422	727,787	64,120	3,612,080
NEW BRUNSWICK—						
Anthracite.....	187,192	499,637	14,296	71,698	82,509 41,950	82,509 642,785
Bituminous.....						
Total.....	187,192	499,637	14,296	71,698	124,459	725,294
PRINCE EDWARD ISLAND—						
Anthracite.....					6,643 238	6,643 72,320
Bituminous.....		72,084		2		
Total.....		72,084		2	6,881	78,963
QUEBEC—						
Anthracite.....					1,311,712 2,684,566	1,311,712 3,586,237
Bituminous.....		901,756		85		
Total.....		901,756		85	3,996,278	4,897,949
CENTRAL ONTARIO—						
Anthracite.....					2,809,327 8,733,828	2,809,327 8,733,818
Bituminous.....						
Total.....					10	11,543,155
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		1,103,267
Total.....		335,632	1,137,092	155,954	2,633	2,381
ALBERTA—						
Anthracite.....		96,964		5,892	66	91,138
Bituminous.....		2,867,833	7,786	274,700	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	4,183,440
BRITISH COLUMBIA AND YUKON—						
Anthracite.....			2,475		251	2,726
Bituminous.....		2,890,524	58,248	57,037	17,086	1,726,293
Lignite.....			53,905			53,005
Total.....		2,890,524	114,628	57,037	1,182,528	17,337
CANADA—						
Anthracite.....		96,964	5,892	5,892	4,567,370	4,664,334
Bituminous.....		11,680,477	1,805,455	1,805,455	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	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)

Provinces	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			
NOVA SCOTIA							
Anthracite.....	5,569,072	39	1,882,787	641,304	21,419	5,645	27,064
Bituminous.....					6,233	3,267	3,034,520
Total.....	5,569,072	39	1,882,787	641,304	27,652	8,912	3,081,584
NEW BRUNSWICK							
Anthracite.....	287,513	403,742	63,067	66,460	40,252	19,420	59,672
Bituminous.....					61,222	19,131	642,081
Total.....	287,513	403,742	63,067	66,460	101,474	38,551	701,753
PRINCE EDWARD ISLAND							
Anthracite.....					4,589		4,589
Bituminous.....		70,995			1,355		72,350
Total.....		70,995			5,944		76,939
QUEBEC							
Anthracite.....					780,447	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
MANITOBA 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	1,108,648	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.....	2,840,405	10,646	243,758	915	1,147		2,613,525
Lignite.....	3,104,099	588	1,636,498				1,468,179
Total.....	5,990,911	11,234	1,982,290	915	1,147		4,120,087
BRITISH COLUMBIA AND YUKON							
Anthracite.....		1,228			35	1,226	2,489
Bituminous.....		2,927,498	38,172	46,876	1,047,430	13,494	1,885,362
Lignite.....			73,486				73,486
Total.....		2,927,498	112,836	46,876	1,047,430	13,529	(c) 1,730
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	21,375,373
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

(b) 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)

Provinces	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			
NOVA SCOTIA—							
Anthracite.....	6,597,838		2,179,061	679,771	35,169	18,570	53,739
Bituminous.....					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.....	276,617	563,598	32,113	115,364	54,556	35,787	90,343
Bituminous.....					78,842	23,440	795,020
Total.....	276,617	563,598	32,113	115,364	133,398	59,227	885,363
PRINCE EDWARD ISLAND—							
Anthracite.....					4,303		4,303
Bituminous.....		82,417			1,263		83,680
Total.....		82,417			5,566		87,983
QUEBEC—							
Anthracite.....					1,611,351	205,058	1,816,409
Bituminous.....		1,540,284		3	2,922,991	237,498	4,700,770
Lignite.....							
Total.....		1,540,284		3	4,534,342	442,556	6,517,179
CENTRAL ONTARIO—							
Anthracite.....					3,050,964	2,244	3,062,208
Bituminous.....		24,875		877	11,717,298		11,741,296
Lignite.....		51,331					51,331
Sub-bituminous.....		1,580					1,580
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.....		101,820		11,510	1,607		91,917
Lignite.....		438,100	1,120,447	219,937			1,338,610
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.....		3,143,995		1,724,456			1,418,539
Sub-bituminous.....		466,492		106,340			360,152
Total.....		6,854,307	18,054	1,934,086	605	1,110	4,938,870
BRITISH COLUMBIA AND YUKON							
Anthracite.....					174		174
Bituminous.....		2,823,619	23,298	62,151	838,063	17,923	1,084,627
Lignite.....			71,000			2,331	73,331
Sub-bituminous.....			14,441				14,441
Total.....		2,823,619	108,739	62,151	838,063	20,428	1,2052,573
CANADA—							
Anthracite.....		107					
Bituminous.....		12,941,877	2,376,615	2,376,615	1,654,406	4,906,222	261,659
Lignite.....		3,582,095	1,944,393	1,944,393		17,248,298	28,804,579
Sub-bituminous.....		466,492	106,340	106,340		2,331	3,584,426
Total.....		16,990,571	4,427,348	4,427,348	1,654,406	22,156,851	466,492
						530,469	38,023,485

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

Table 26.—Annual Consumption of Coal in Canada, 1903-1923

(Short tons)

Calendar Year	Canadian		Imported		Total	Per capita
	Short tons	%	Short tons	%		
1903.....	6,005,735	52.2	5,481,870	47.8	11,507,605	2.005
1904.....	6,697,183	49.2	6,909,651	50.8	13,606,834	2.346
1905.....	7,032,681	48.9	7,343,880	51.1	14,376,541	2.362
1906.....	7,927,560	51.7	7,398,900	48.3	15,326,466	2.425
1907.....	8,617,352	45.0	10,549,503	55.0	19,106,855	2.047
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	10,438,123	49.8	20,970,226	2.960
1911.....	9,822,749	40.5	14,424,049	59.5	24,247,698	3.365
1912.....	12,355,696	46.0	14,549,104	54.0	26,934,800	3.657
1913.....	13,450,158	32.6	18,132,387	57.4	31,582,545	4.196
1914.....	12,214,403	45.5	14,637,920	54.5	26,832,323	3.490
1915.....	11,500,480	48.1	12,406,212	51.9	23,906,692	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.....	11,849,048	41.1	16,982,773	58.9	28,831,810	3.401
1920.....	14,338,541	40.0	20,815,506	59.1	35,204,137	4.079
1921.....	13,070,247	41.9	18,103,620	58.1	31,173,837	3.547
1922.....	13,338,849	48.3	14,257,424	57.7	27,506,273	3.078
1923.....	15,336,165	40.3	22,687,320	59.7	38,023,485	4.157

In the foregoing table the "Consumption" figures for each year from 1903 to 1918 were computed by adding production (sales, colliery consumption and coal supplied to employees) to imports, and deducting Canadian coal exported. Data for 1919-1923 were compiled as for Tables 23, 24 and 25.

Table 27.—Annual Consumption of Coal by Railroad Locomotives in Canada, 1913-1923

(Compiled in the Transportation Branch)

(Short tons)

		Anthracite	Bituminous	Total
Year ended June 30, 1913.....			4,662	9,040,963
" " 1914.....			5,271	8,268,186
" " 1915.....			3,691	6,673,845
" " 1916.....			4,898	8,672,455
" " 1917.....			4,900	9,783,524
" " 1918.....			3,283	9,836,623
" " 1919.....			4,430	9,136,593
Calendar Year, 1920.....			4,270	10,372,687
" 1921.....			9,681	8,784,607
" 1922.....	Tons..	8,721	9,032,366	9,041,087
" 1923.....	Value..	\$70,533	\$57,636,011	\$57,706,534
	Tons..	12,519	9,824,220	9,836,730
	Value..	\$97,243	\$58,489,294	\$58,580,537

Prices.

Two tables of prices have been prepared, one showing for 1922 and 1923 the prices at the mine for Canadian coal and the other showing the average retail price of coal. The mine quotations given in Table 28 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 dealers' returns for the past three years and the data are given in Table 29. The arrangement of the names in this table is geographical so that the differences in prices due to variations in rail haul have been equalized as nearly as possible.

Table 28.—Average Price of Canadian Coal at the Mine by Grades for each District, and Province, 1922 and 1923

District	Run-of-Mine				Screened				Slack			
	Highest		Lowest		Highest		Lowest		Highest		Lowest	
	1922	1923	1922	1923	1922	1923	1922	1923	1922	1923	1922	1923
	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.
NOVA SCOTIA—												
Cape Breton.....	4 89	5 02	3 58	4 06	5 80	6 02	4 11	5 29	4 03	4 15	2 70	3 06
Cumberland.....	5 05	4 95	3 86	4 21	5 58	5 69	4 58	5 13	3 54	2 98	2 51	2 24
Inverness.....	5 35	5 35	2 90	4 35	6 25	6 03	5 80	5 80	3 57	2 23	1 78	1 12
Pictou.....	5 25	5 19	4 28	4 37	6 43	6 35	5 16	5 32	4 66	4 59	4 21	3 82
Average for Nova Scotia.....	5 08	5 05	3 78	4 22	6 10	5 90	4 69	5 24	3 87	3 45	2 84	2 62
NEW BRUNSWICK.....	4 87	4 33	3 67	3 75	5 25	5 48	4 35	4 91	3 08	2 71	2 44	2 22
SASKATCHEWAN.....	2 35	2 26	2 10	2 04	2 73	2 72	2 34	2 37	1 35	0 96	0 63	0 63
ALBERTA—												
Anthracite—												
Banff.....	3 13	8 50	3 13	5 08	9 55	9 55	2 00	9 55	1 33	2 84	1 33	2 84
Bituminous—												
Brazeau.....	5 30	5 25	4 64	4 00	6 85	.....	6 00	.....	2 88	.....	1 56	.....
Cannmore.....	5 25	6 50	4 33	4 91	8 25	8 25	3 81	3 81	5 00	5 25	4 93	3 72
Crow's Nest Pass.....	5 43	5 51	5 08	4 16	7 20	7 14	6 61	6 50	5 08	4 73	4 13	.....
Jasper Park.....	5 10	4 85	4 60	4 85	.....	.....	.....	.....	4 25	.....	4 25	.....
Mountain Park.....	5 33	5 42	4 05	4 00	6 00	.....	5 15	.....	4 25	.....	4 25	.....
Yellow Head Pass.....	3 85	(a)	3 20	(a)	5 02	(a)	3 93	(a)	1 40	(a)	0 96	(a)
Average (bituminous).....	4 90	5 50	4 23	4 23	6 28	7 36	5 19	5 96	3 19	5 12	2 57	4 03
Sub-Bituminous—												
Calgary.....	(b)	3 00	(b)	3 00	(b)	.....	(b)	.....	(b)	.....	(b)	.....
High River.....	3 63	.....	3 23	.....	.....	.....	.....	.....	.....	.....	1 38	.....
Pincher Creek.....	3 62	.....	3 46	.....	5 00	.....	4 50	.....	1 38	.....	1 00	.....
Saunders.....	5 19	.....	5 06	.....	7 07	.....	6 54	.....	2 80	.....	2 10	.....
Yellowhead Pass.....	3 41	(e)	2 89	(e)	5 04	(e)	3 99	(e)	1 23	(e)	1 04	.....
Average (sub-bituminous).....	(b)	3 86	(b)	3 43	(b)	5 76	(b)	5 01	(b)	1 83	(b)	1 38
Lignite—												
Aldersyde.....	4 70	4 20	3 67	3 85	.....	4 75	.....	4 50	2 00	1 50	0 75	1 50
Battle River.....	2 76	2 80	2 44	2 23	2 80	.....	2 50	.....	1 13	.....	1 13	.....
Big Valley.....	3 60	3 17	3 19	2 97	4 67	3 94	4 00	3 36	0 38	0 50	0 38	0 38
Bow Island.....	3 80	3 60	3 40	3 25	3 95	3 93	3 69	3 48	1 67	2 50	1 50	2 50
Brooks.....	4 40	3 83	3 91	3 50	.....	4 25	.....	4 00	1 50	2 00	1 12	2 00
Camrose.....	3 16	2 82	2 29	2 14	3 75	3 71	2 78	2 41	0 62	0 77	0 47	0 45
Carbon.....	3 54	3 87	3 53	3 44	4 08	4 70	2 67	2 50	1 08	1 15	0 80	0 51
Cardiff.....	2 12	2 50	2 00	1 70	3 17	2 55	2 58	1 65	0 50	0 50	0 50	0 50
Clover Bar.....	2 58	2 66	1 76	2 25	4 28	4 09	2 43	2 12	0 92	0 90	0 44	0 46
Drunheller.....	4 13	4 00	3 76	3 38	5 21	5 03	3 88	3 19	0 77	0 85	0 31	0 40
Edmonton.....	2 86	2 00	2 81	2 00	3 94	5 15	3 15	2 10	1 05	0 85	0 81	0 50
Gleichen.....	(b)	3 90	(b)	3 30	(b)	5 00	(b)	5 00	(b)	.....	(b)	.....
Hanna.....	2 88	2 61	2 48	2 40	3 09	3 21	2 51	2 58	0 95	0 84	0 48	0 54
High River.....	3 92	(a)	3 62	(a)	5 00	(a)	5 00	(a)	.....	(a)	.....	(a)
Lacombe.....	2 69	2 73	2 47	2 67	2 88	2 81	2 50	2 63	1 37	1 00	1 12	1 00
Lethbridge.....	4 25	3 94	3 03	3 25	5 04	5 12	3 79	3 76	0 96	0 86	0 57	0 46
Magrath.....	4 00	4 00	2 50	4 00	4 50	4 33	4 50	3 33	.....	.....	.....	.....
Medicine Hat.....	2 81	2 75	2 72	2 59	4 00	3 87	3 43	2 62	1 00	1 00	1 00	1 00
Milk River.....	4 50	4 00	4 43	3 90	4 80	4 75	4 60	4 08	0 75	0 75	0 75	0 75
Nanaimo.....	3 38	3 25	3 25	3 25	4 50	3 75	2 00	3 75	0 50	0 50	0 20	0 30
Peace River.....	(b)	2 75	(b)	2 75	(b)	4 00	(b)	4 00	(b)	.....	.....	.....
Pembina.....	4 09	4 00	3 83	3 83	4 60	4 60	4 20	4 20	1 65	1 05	1 05	1 05
Pincher Creek.....	3 38	(a)	3 00	(a)	4 75	(a)	4 50	(a)	1 80	(a)	0 88	(a)
Rosedale.....	(b)	3 45	(b)	3 26	(b)	5 06	(b)	3 03	(b)	0 50	(b)	0 30
Strathcona.....	(b)	3 10	(b)	3 16	(b)	3 20	(b)	2 50	(b)	1 00	(b)	0 95
Taber.....	4 12	3 88	3 95	3 75	4 28	4 59	3 61	3 64	1 10	0 87	0 60	0 62
Three Hills.....	3 42	3 19	3 25	3 12	3 92	4 28	3 59	3 50	0 80	0 58	0 80	0 51
Tofield.....	2 00	2 00	1 60	1 50	3 27	3 17	1 92	2 67	1 00	1 62	1 00	1 25
Trochu.....	2 83	3 34	2 73	2 93	3 66	4 15	2 81	3 10	.....	2 00	.....	2 00
Wabamum.....	2 50	3 00	1 35	2 00	4 75	4 40	1 50	1 75	1 50	1 00	0 20	0 35
Wayne.....	(b)	4 73	(b)	4 32	(b)	5 25	(b)	4 12	(b)	1 02	(b)	0 51
Average (lignite).....	3 44	3 24	3 04	2 91	4 11	4 25	3 33	3 20	0 98	0 91	0 64	0 62
Average for Alberta.....	3 61	3 46	3 18	3 06	4 33	4 49	3 48	3 46	1 27	1 20	0 90	0 87
BRITISH COLUMBIA—												
Crow's Nest Pass.....	5 53	5 38	4 10	4 10	6 33	6 33	5 80	5 93	4 81	4 63	3 75	3 88
Inland.....	5 30	4 13	4 85	3 72	6 75	6 60	5 17	5 33	3 82	4 31	3 29	3 69
Island.....					7 42	7 02	6 19	6 30	4 27	3 84	3 80	3 58
Average for British Columbia.....	5 36	4 45	4 83	3 81	6 97	6 73	5 72	5 83	4 24	4 12	3 64	3 67
YUKON.....					10 00	5 00	10 00	5 00	.....	1 00	.....	1 00
Canada.....	3 63	3 46	3 18	3 05	4 42	4 50	3 58	3 59	1 86	1 64	1 36	1 24

(a) See Sub-bituminous. (b) Not separately shown in 1922.

(c) See Bituminous.

Table 29.—Yearly Average Retail Prices of Coal in Canada by Principal Municipalities,
1921, 1922 and 1923

(Compiled in the Internal Trade Branch)

Province and Municipality	Anthracite			Bituminous		
	1921	1922	1923	1921	1922	1923
	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.
Nova Scotia—						
Amherst.....	20 75	19 00	.....	11 75	8 82	8 98
Halifax.....	18 75	17 14	17 95	10 59	9 59	9 66
New Glasgow.....				7 75		
Sydney.....				7 20		
Truro.....	18 50	.....	.....	11 93	10 55	10 25
PRINCE EDWARD ISLAND—						
Charlottetown.....	21 70	18 00	18 24	9 97	8 26	9 24
NEW BRUNSWICK—						
Bathurst.....	20 46	22 00	19 50	11 68	10 39	10 82
Fredericton.....	18 70	18 09	17 80	12 72	9 13	10 49
Moncton.....	18 75	19 00	19 00	11 99	10 70	9 43
St. John.....	18 60	16 57	16 71	12 61	11 21	10 25
QUEBEC—						
Hull.....	17 00	16 44	16 62	13 70	12 90	12 17
Montreal.....	16 98	16 78	16 98	11 98	9 45	9 43
Quebec.....	17 38	17 81	17 98	12 64	11 42	12 27
St. Hyacinthe.....	16 09	15 47	16 27	11 95	11 58	11 50
St. Johns.....	18 00	15 76	16 63	12 00	11 73	11 15
Sherbrooke.....	16 75	16 93	16 99	15 67		10 45
Sorel.....	16 30	16 36	16 10	12 52		10 33
Thetford Mines.....	19 67	.....	.....	
Three Rivers.....	18 55	16 51	16 43	13 10	10 62	10 51
ONTARIO—						
Belleville.....	16 75	15 98	16 42	13 80	10 70	8 73
Brantford.....	16 27	15 73	17 05	12 38	11 65	11 15
Brockville.....	16 08	15 98	16 18	9 47	10 45	9 34
Chatham.....	18 09	16 24	17 57	14 73	12 79	12 08
Cobalt.....	23 67	.....	.....	17 67		
Fort William.....	18 78	18 25	19 12	12 97	10 65	9 45
Galt.....	16 30	15 81	17 21	11 50	11 73	9 75
Guelph.....	16 39	15 83	16 09	12 15	12 16	11 51
Hamilton.....	15 93	15 65	16 47	9 92	0 15	7 90
Kingston.....	16 50	16 61	16 46	10 93	10 64	10 21
Kitchener.....	16 35	16 11	16 96	12 43	11 43	11 70
London.....	16 93	16 52	17 71	11 10	9 25	8 96
Niagara Falls.....	15 54	14 84	15 56	10 10	10 53	10 17
Orillia.....	16 85	16 79	16 78	12 03	12 03	10 86
Ottawa.....	16 98	16 44	17 17	12 78	11 01	10 55
Owen Sound.....	17 21	16 53	16 61	11 81	10 35	11 23
Peterborough.....	16 75	16 33	16 85	11 87	12 93	10 67
Port Arthur.....	18 84	17 96	19 02	13 22	12 22	10 96
St. Catharines.....	15 90	15 49	16 81	11 29	12 90	11 60
St. Thomas.....	17 50	16 58	17 74	14 17	12 68	11 26
Sault Ste. Marie.....	18 39	17 41	18 12	12 64	11 07	10 99
Stratford.....	16 79	16 27	16 84	13 54	12 78	11 78
Toronto.....	15 64	15 65	15 99	10 20	10 92	10 25
Windsor.....	18 21	16 67	17 48	13 12	11 46	10 83
Woodstock.....	16 35	15 76	16 77	(1 78	10 70	11 50
MANITOBA—						
Brandon.....	23 19	22 56	23 54	15 05	13 90	13 70
Winnipeg.....	21 32	21 36	21 02	14 35	12 05	12 12
SASKATCHEWAN—						
Moose Jaw.....	18 17	18 45	23 75	12 54	12 21	11 78
Prince Albert.....	24 44	.....	.....	12 73	11 20	12 25
Regina.....	21 63	25 16	25 15	13 20	11 85	12 19
Saskatoon.....	24 73	25 80	23 75	13 89	11 16	12 35
ALBERTA—						
Calgary.....	12 95	13 98	.....	10 10	9 35	9 30
Edmonton.....			.....	7 75		
Lethbridge.....			.....	8 58		
BRITISH COLUMBIA—						
Fernie.....				7 63		
Nanaimo.....				9 20		
Nelson.....	16 25	17 00	.....	13 17	12 78	.....
New Westminster.....	15 25	.....	.....	14 50	10 37	11 91
Prince Rupert.....			.....	11 90	11 83	12 26
Trail.....			.....	11 95	12 64	11 75
Vancouver.....	17 93	20 62	.....	11 50	9 20	10 17
Victoria.....			.....	13 19	9 85	10 27

Employees, Salaries and Wages

Salaried employees to the number of 1,746 were employed in the coal-mining industry in Canada in 1923, and salaries paid to these employees amounted to \$3,893,722. There was only a slight increase both in the number of salaried employees and in the salaries paid as compared with the previous year, the number of such employees on the rolls in 1922 being 1,742, and the amount paid in salaries \$3,777,626. Tables 30 and 31 show for each coal-producing province the number of salaried employees by classes for the past two years. Salaries paid are also shown.

By provinces Nova Scotia was easily the leader with an average of 13,385 employees for the year and a maximum of 13,692 employed in March. Alberta coal mines furnished employment on the average to 9,917 men during the year, the maximum employment being recorded in January when 12,384 names were on the rolls. Table 32 shows the average number of employees in the coal mines of Canada by provinces for each month during the past three years, and Table 34 shows for 1923 the number of employees by classes and by provinces.

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. Of the 30,300 employees, 7,576 worked on the surface and 22,724 were employed underground. The surface men worked on the average 279 days during the year as compared with 259 days in 1922, and the underground employees worked 241 days on the average as against 219 in 1922. Twenty-one more day's work was done on the average by all employees in the coal mines in 1923 than in 1922, the total for the year being 250 days. Earnings per man-day were \$5.57, as compared with \$5.18 in the previous year, and the total wages paid amounted to \$42,321,990, or approximately six and one-half million dollars more than the total of \$35,773,001 paid in 1922. Complete data on this subject are given in Tables 34 and 35.

Table 30.—Salaried Employees and Salaries Paid on Coal Mine Staffs in Canada, by Provinces, 1922

		Nova Scotia	New Brunswick	Saskatchewan	Alberta	British Columbia and Yukon	Total for Canada
Salaried officers of the Corporation.....	No. {	39	6	3	106	26	180
	Salary \$	163,603	19,000	12,400	348,902	157,300	701,205
General Superintendents and Managers.....	No. {	166	12	11	292	51	532
	Salary \$	416,728	34,365	20,295	807,768	180,455	1,168,511
Technical Experts, Accountants, etc.....	No. {	122	4	7	169	105	407
	Salary \$	241,973	4,340	8,290	253,804	238,446	746,853
Clerks, Stenographers and Salesmen.....	No. {	247	11	11	248	106	623
	Salary \$	304,416	15,108	16,583	340,087	184,763	860,957
Totals.....	No. {	574	33	32	815	288	1,742
	Salary \$	1,126,720	72,813	66,568	1,750,561	760,964	3,777,626

Table 31.—Salaried Employees and Salaries Paid on Coal Mine Staffs in Canada, by Provinces, 1923

		Nova Scotia	New Brunswick	Sask.	Alberta	British Columbia and Yukon	Total for Canada
Salaried officers of the Corporation.....	No. {	47	6	3	98	23	177
	Salary \$	158,926	13,200	11,200	345,290	144,085	672,710
General Superintendents and Managers.....	No. {	163	11	14	264	39	491
	Salary \$	421,605	34,759	32,930	739,066	149,896	1,379,156
Technical Experts, Accountants, etc.....	No. {	113	2	6	105	94	320
	Salary \$	196,468	2,700	7,465	211,912	239,418	657,963
Clerks, Stenographers and Salesmen.....	No. {	411	12	14	208	113	758
	Salary \$	641,536	16,109	17,416	320,865	187,967	1,183,893
Totals.....	No. {	734	31	37	675	269	1,746
	Salary \$	1,418,535	66,768	69,011	1,618,042	721,366	3,893,722

Table 32.—Number of Employees in the Coal Mines of Canada by Months and by Provinces, 1921, 1922 and 1923

Month		Nova Scotia	New Brunswick	Saskatch-ewan	Alberta	British Columbia and Yukon	Total for Canada
January.....	1921	13,147	412	530	12,014	6,730	32,833
	1922	10,998	642	589	11,744	6,525	30,488
	1923	13,575	634	619	12,384	6,587	33,799
February.....	1921	12,788	410	484	11,362	6,600	31,713
	1922	17,951	623	555	11,022	6,588	36,739
	1923	13,449	657	589	11,544	6,534	32,773
March.....	1921	13,223	356	436	9,251	6,488	29,754
	1922	23,161	649	487	9,871	6,514	40,682
	1923	13,692	646	546	10,083	6,300	31,267
April.....	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
May.....	1921	11,850	409	368	7,069	6,420	26,122
	1922	12,733	555	338	3,518	5,083	22,227
	1923	13,569	598	371	7,821	5,627	27,986
June.....	1921	12,391	411	343	7,711	6,416	27,272
	1922	12,271	586	342	3,679	5,033	21,911
	1923	13,487	615	360	8,133	5,448	28,043
July.....	1921	12,743	470	309	8,639	6,615	28,776
	1922	12,870	580	342	3,739	5,170	22,701
	1923	12,588	628	350	8,450	5,425	27,441
August.....	1921	12,654	491	305	9,907	6,704	30,061
	1922	13,087	619	325	8,075	6,579	28,684
	1923	13,255	624	361	9,084	5,586	28,910
September.....	1921	12,028	473	357	10,473	6,861	31,892
	1922	12,073	647	388	11,700	6,810	32,518
	1923	13,393	553	402	9,686	5,640	29,683
October.....	1921	12,801	487	481	11,402	7,030	32,291
	1922	13,253	650	534	13,158	6,746	34,341
	1923	13,516	554	599	10,693	5,696	31,658
November.....	1921	12,023	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	31,514
December.....	1921	11,068	539	500	11,945	6,894	31,936
	1922	13,527	593	599	12,604	6,855	34,178
	1923	13,318	611	692	11,310	5,825	31,756
Average.....	1921	12,626	449	435	10,019	6,694	30,223
	1922	14,068	611	460	8,815	6,142	30,096
	1923	13,385	612	505	9,917	5,881	30,300

Table 33.—Number of Employees, in the Coal Mines of Canada, by Classes and by Provinces, 1922

Classification	Provinces					Total for Canada		
	Nova Scotia	New Brunswick	Saskat- chewan	Alberta	British Columbia and Yukon	Surface	Under- ground	Total
SURFACE—								
Administration.....	119	14	12	162	34	258	83	341
Foremen and clerks.....	198	17	14	254	146	589	40	629
Screenmen and loaders.....	730	18	19	527	184	1,389	89	1,478
UNDERGROUND—								
Officials.....	441	2	6	289	182	14	906	920
Hand cutters and helpers.....	2,061	399	251	2,324	2,068	77	7,026	7,103
Machine cutters.....	1,509	2	3	348	78	.....	1,910	1,940
Machine loaders and helpers.....	1,502	2	8	1,129	35	1	2,675	2,676
Horse haulage employees.....	839	4	42	680	392	48	1,909	1,957
Mechanical haulage employ- ees.....	1,551	1	5	307	398	83	2,179	2,262
Ventilation employees.....	375	.....	.....	92	55	14	508	523
Roadmakers.....	295	.....	6	141	113	4	551	555
Timbermen.....	685	9	12	331	168	15	1,190	1,205
Pumpmen.....	195	2	7	58	42	9	295	304
MISCELLANEOUS—								
Engineermen.....	296	11	8	178	93	535	51	586
Firemen.....	351	4	8	163	62	542	46	588
Machinists.....	357	1	2	84	94	497	41	538
Carpenters and masons.....	166	2	6	102	112	365	23	388
Other mechanics.....	289	13	6	201	114	410	213	623
All other white employees.....	2,109	110	45	1,445	945	2,451	2,203	4,654
Japanese.....	.....	.....	.....	78	8	70	78	78
Chinese.....	.....	.....	.....	740	399	341	740	740
Indians.....	.....	.....	.....	9	6	3	9	9
Total.....	14,068	611	460	8,815	6,142	7,714	22,382	30,096

Table 34.—Number of Employees, in the Coal Mines of Canada, by Classes and by Provinces, 1923

Classification	Provinces					Total for Canada		
	Nova Scotia	New Brunswick	Saskat- chewan	Alberta	British Columbia and Yukon	Surface	Under- ground	Total
SURFACE—								
Administration.....	100	11	11	133	33	242	51	293
Foremen and Clerks.....	184	20	18	245	136	580	23	603
Screenmen and loaders.....	662	30	28	612	185	1,514	3	1,517
UNDERGROUND—								
Officials.....	447	4	8	313	182	16	938	954
Hand cutters and helpers.....	1,851	422	266	2,755	2,061	66	7,289	7,355
Machine cutters.....	1,422	.....	5	393	46	.....	1,866	1,866
Machine loaders and helpers.....	1,004	1	11	1,258	54	2	2,926	2,928
Horse haulage employees.....	829	5	45	802	431	38	2,074	2,112
Mechanical haulage employ- ees.....	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.....	160	6	10	62	38	12	264	276
MISCELLANEOUS—								
Engineermen.....	252	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.....	148	4	6	99	97	353	1	354
Other mechanics.....	254	1	3	173	165	418	178	596
All other white employees.....	2,007	74	35	1,484	837	2,416	2,021	4,437
Japanese.....	.....	.....	.....	68	5	63	68	68
Chinese.....	.....	.....	.....	519	306	213	519	519
Indians.....	.....	.....	.....	2	.....	2	2	2
Total.....	13,385	612	505	9,917	5,881	7,576	22,724	30,300

Table 35.—Number of Employees, Work Done by Months, and Wages Paid in the Coal Mines of Canada, 1922

Month	Number of Employees			Days' Work Done			Total Wages Paid
	Surface	Under-ground	Total	Surface	Under-ground	Total	
January.....	7,626	22,862	30,488	160,339	399,946	560,285	
February.....	8,758	27,981	36,739	168,414	439,722	608,136	Monthly Records
March.....	9,110	31,572	40,682	175,912	451,864	627,776	
April.....	5,674	15,810	21,514	107,025	244,820	352,445	not available
May.....	6,047	16,180	22,227	121,147	256,283	377,430	available
June.....	6,147	15,764	21,911	131,394	304,843	430,237	
July.....	6,389	16,312	22,701	144,027	331,640	475,676	
August.....	7,799	20,886	28,685	139,459	293,872	433,331	
September.....	8,577	23,941	32,518	214,897	507,544	722,441	
October.....	8,873	25,468	31,311	217,831	585,368	803,199	
November.....	8,801	26,369	35,170	201,579	559,604	764,183	
December.....	8,763	25,415	34,178	209,584	533,321	712,905	
Total.....				1,995,208	4,908,836	6,901,044	\$ 35,773,001
Average.....	7,714	22,382	30,096	259 days per year	219 days per year	229 days per year	\$ 5.18 per day

Table 36.—Number of Employees, Work Done by Months, and Wages Paid in the Coal Mines of Canada, 1923

Month	Number of Employees			Days' Work Done			Total Wages Paid
	Surface	Under-ground	Total	Surface	Under-ground	Total	
January.....	8,580	25,219	33,799	202,944	543,255	716,199	
February.....	8,352	24,421	32,773	217,689	640,577	858,265	Monthly Records
March.....	7,908	23,359	31,267	177,497	464,108	641,605	not available
April.....	7,428	21,950	29,378	171,073	451,222	622,295	
May.....	7,171	20,815	27,986	159,907	397,379	557,286	
June.....	7,157	20,886	28,043	183,237	434,952	618,189	
July.....	7,150	20,291	27,441	149,672	304,223	453,895	
August.....	7,213	21,697	28,910	184,594	495,706	680,300	
September.....	7,290	22,393	29,683	160,003	417,409	577,412	
October.....	7,617	23,441	31,058	183,733	476,471	660,204	
November.....	7,091	23,853	31,544	171,113	461,342	632,455	
December.....	7,387	24,369	31,756	151,969	394,395	546,364	
Total.....				2,113,431	5,481,039	7,594,170	\$ 42,321,900
Average.....	7,576	22,724	30,300	259 days per year	241 days per year	250 days per year	\$ 5.57 per day

Power

No complete description of the coal mining properties is available from present records. For the year 1921 certain information was asked for in the annual reports made to the Bureau and summary tables have been prepared, which show the principal details of the information received. Table 37 shows in detail the number of units of each type of power equipment installed by the coal mines in each province. The manufacturers' rating of all such equipment is also shown. All the data given in Table 37 were compiled from reports received from mines operated during a part or the whole of the calendar year 1923.

Table 37.—Power Employed in the Coal Mines of Canada, by Provinces, 1923

	Nova Scotia		New Brunswick		Saskatchewan		Alberta		British Columbia		Total for 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	71,650	15	522	34	1,541	315	34,501	108	19,534	709	127,757
Gas engines.....	2	10			2	9		156			31	175
Oil and gasoline engines.....	1	16			1	3	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		19,631,180		77,389,336	
Value.....\$	757,158		32,714		735		231,161		325,575		1,347,343	

Financial Statistics

To satisfy a demand for information regarding the capital employed in the coal mining industry and to permit of comparisons being made with similar statistics for the other basic industries, operators of producing mines have been asked to itemize the amounts of capital employed in the operation of their coal mines. The data obtained are presented in Tables 38 and 39, separation being made to show the amount of capital employed in the operation of the coal mines of the several producing provinces.

One item of the financial statistics asked for was the general miscellaneous expenses incurred in operating the coal mines and the data obtained have been collected in Table 40 which shows for each province the cost to the operating companies.

Table 38.—Capital Employed in the Coal Mines of Canada, as at December 15, 1922

	Nova Scotia	New Brunswick	Saskatchewan	Alberta	British Columbia	Yukon	Total for Canada
Value of buildings, plant, machinery and tools.....	\$ 52,657,170	\$ 1,092,610	\$ 2,874,545	\$ 39,912,400	\$ 25,702,375	\$ 202,500	\$ 123,441,606
Cost of supplies on hand and coal on bank.....	2,639,514	53,949	46,298	1,339,634	664,379	1,696	4,745,470
Cash, trading and operating accounts and bills receivable.....	3,889,786	306,435	148,960	6,037,835	2,896,016		13,279,032
Total.....	59,186,479	1,452,994	3,069,803	47,259,875	29,262,770	204,196	140,466,108

Table 39.—Capital Employed in the Coal Mines of Canada, as at December 15, 1923

	Nova Scotia	New Brunswick	Saskatchewan	Alberta	British Columbia	Yukon	Total for Canada
Value of buildings, plant, machinery, and tools.....	\$ 51,787,431	\$ 1,054,886	\$ 3,001,982	\$ 44,408,155	\$ 25,533,027	\$ 202,500	\$ 126,077,981
Cost of supplies on hand and coal on bank.....	3,484,754	66,728	47,367	1,214,620	649,852		5,463,330
Cash, trading and operating accounts and bills receivable.....	2,827,136	572,524	313,737	8,020,628	2,171,612	500	11,906,137
Total.....	58,095,321	1,694,138	3,453,086	51,643,412	28,354,491	283,000	113,447,448

Table 40—Miscellaneous Coal Mine operating expenses by Provinces, 1921, 1922 and 1923

Province	1921	1922	1923
Nova Scotia.....	\$ 8,554,361	\$ 7,935,607	\$ 9,583,850
New Brunswick.....	196,105	300,499	276,172
Saskatchewan.....	110,180	107,313	106,558
Alberta.....	5,838,427	6,239,290	6,692,295
British Columbia.....	3,521,852	2,752,325	2,750,338
Yukon.....	138		
Canada.....	18,221,563	17,435,034	19,409,213

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 Nova Scotia 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

NOVA SCOTIA

Output and Disposition.—Although the output of coal from Nova Scotia mines during 1923 was considerably below the record years from 1911 to 1916, there was a decided gain of more than one million tons over the output for 1922 to a total of 6,597,838 tons valued at \$28,170,458. Of the four recognized coal fields in this province, Cape Breton was the leading producer with more than four and one-half million tons, Pictou and Cumberland were next in order, with outputs approaching the million-ton mark, while Inverness produced a little better than 150,000 tons. The latter area was the only one to decrease its output. The historical summary of coal production is shown in Table 41, for the last fifty years; the record by districts for the past three years is shown in Table 43.

The mine development is much more extensive in Nova Scotia than in any of the other provinces. Fifty-six active mines produced more than six million tons in 1923, as compared with 356 mines in Alberta which produced 6,854,397 tons. Comparative figures for the output of coal from the principal collieries in Nova Scotia is given in Table 42 for the past three years.

The tonnage lost has been computed on the same basis as last year and the results show that the percentage of the possible production obtained was approximately the same as in 1922. The tonnage lost in 1923 amounted to 28 per cent of the possible output and the chief cause was given as lack of orders. The charge against this item was again reduced from the figures of the preceding year. Table 44 gives all these data in considerable detail and an explanation of the method computed is given in Chapter one of this report.

Details of the disposition of output and the shipments of coal are given in Tables 45 and 46. Although a considerable gain was recorded in the total output the percentages for the different items of the total disposition remained much the same. An analysis of the shipments by grades, showed that the quantity of slack coal shipped, had increased by a larger percentage than did the run-of-mine or screened grades, although the two last mentioned increased considerably. The largest gain recorded was in the quantity of slack coal delivered to Nova Scotia points, while shipments to United States decreased materially.

The exports of coal through the customs ports of Nova Scotia during the past three calendar years have been tabulated in Table 47, which shows that shipments through the port of Sydney are more important than any of the nine other ports mentioned, and that about 80 per cent of all exports pass through the port of Sydney. On the whole, the exports gained slightly over the 1922 figures, but were still below the record for 1921.

Table 41.—Output of Coal from Nova Scotia Mines, 1785-1923

(Short tons)

Calendar Year	Output	Value	Calendar Year	Output	Value
1785-1783	8,053,670	\$12,583,860	1899	3,148,822	\$5,622,898
1874	972,054	1,520,240	1900	3,623,536	8,088,250
1875	930,613	1,454,084	1901	4,158,068	6,406,982
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	5,646,583	10,083,184
1880	1,177,669	1,840,108	1906	6,220,505	11,108,044
1881	1,280,050	2,000,079	1907	6,354,133	12,764,999
1882	1,521,947	2,382,730	1908	6,652,539	13,364,476
1883	1,578,619	2,466,576	1909	6,652,089	11,354,643
1884	1,543,820	2,412,233	1910	6,431,142	12,919,705
1885	1,547,990	2,418,735	1911	7,004,420	14,071,379
1886	1,608,018	2,651,152	1912	7,783,888	17,374,750
1887	1,858,596	2,904,057	1913	7,980,073	17,812,663
1888	1,942,231	3,064,735	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	2,267,019	3,543,624	1917	6,327,001	19,410,737
1892	2,159,389	3,374,046	1918	5,818,562	21,095,470
1893	2,444,924	3,820,494	1919	5,790,196	22,350,157
1894	2,527,982	3,949,970	1920	6,437,156	32,334,523
1895	2,225,145	3,476,790	1921	5,734,928	27,782,050
1896	2,508,579	3,919,655	1922	5,569,072	24,629,921
1897	2,493,554	3,896,179	1923	6,597,838	28,170,458
1898	2,563,180	4,004,970			
			Total	201,947,862	477,215,972

*For the years 1919-1923 the tonnage shown is the total output from all mines: for previous years the figures given includes only sales, colliery consumption, and coal used by the operators.

Table 42.—Output of Coal by Principal Collieries in Nova Scotia, for 1921, 1922, and 1923 (Average of 500 tons or more per month)

(Short tons)

Name	Address	1921	1922	1923
CAPE BRETON DISTRICT				
Anglo Coal Co., Ltd.	Glace Bay		4,336	
Bras d'Or, Coal Co.	Little Bras d'Or Bridge	84,510	128,937	114,288
Coastal Coal Co., Ltd.	Pt. Aconi, C. B.	8,471		
Dominion Coal Co., Ltd.	Glace Bay	3,431,607	3,187,012	3,751,505
Indian Cove Coal Co., Ltd.	Sydney Mines	44,147	43,790	61,692
Nova Scotia Steel and Coal Co.	Sydney Mines	675,058	703,938	733,888
All other operators		379	1,226	
Total		4,244,172	4,069,239	4,661,373
CUMBERLAND DISTRICT				
Athol Coal Co.	Athol	3,394	14,990	5,508
Carter Coal Co.	Maccan	3,315	1,814	6,418
Cumberland Ry. and Coal Co.	Glace Bay	439,891	439,334	625,737
Emmerson Coal Co., Ltd.	River Hebert	17,737	11,037	12,803
Fundy Mining Co.	Joggins Mines	9,544	18,239	10,902
Lawson Coal Co.	Amherst		4,966	6,457
Maritime Coal Ry. & Power Co., Ltd.	Joggins Mines	155,713	124,658	137,633
Minudie Coal Co., Ltd.	River Hebert	36,900	42,110	27,151
National Coal Co.	New Glasgow		1,755	12,555
Provincial Mfg. Co. (Twin Seam Coal Co.)	Chignecto	4,490	1,037	174
River Hebert Coal Co.	River Hebert	3,286	7,100	16,749
Sterling Coal Co.	River Hebert	18,050	12,338	
Valley Coal Co., Ltd.	River Hebert	2,069		1,637
All other operators				
Total		694,398	681,018	862,087

Table 42.—Output of Coal by Principal Collieries in Nova Scotia, for 1921, 1922 and 1923 (Average of 500 tons or more per month)—Concluded

(Short Tons)

Name	Address	1921	1922	1923
INVERNESS DISTRICT—				
Inverness Ry. and Coal Co.	Inverness	167,520	172,235	164,093
Port Hood Coal Co. Ltd. (D. Predner-gast).	Port Hood	17,807 1,428	2,412 534	588
All other operators.				
Total.		186,755	175,181	164,681
PICTOU DISTRICT—				
Acadia Coal Co. Ltd.	Stellarton	397,132	439,497	625,024
Greenwood Coal Co. Ltd.	Thorburn	43,919	48,505	62,065
Intercolonial Coal Mg. Co. Ltd.	Westville	168,552	155,128	221,523
All other operators.			504	1,085
Total.		609,603	643,634	909,697
Total for Nova Scotia.		5,734,928	5,569,072	6,597,838

Table 43.—Output of Coal by Districts in Nova Scotia, for 1921, 1922 and 1923

(Short tons)

District	1921	1922	1923
Cape Breton.	4,244,172	4,069,239	4,661,373
Cumberland.	694,398	681,018	802,087
Inverness.	186,755	175,181	164,681
Pictou.	609,603	643,634	909,697
Total.	5,734,928	5,569,072	6,597,838

Table 44.—Tonnage Lost in Nova Scotia Coal Mines showing by Districts the Relative Percentages produced and lost, with an Analysis of the Percentage Lost, 1922 and 1923

District	% Produced	% Lost	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
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
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
Pictou.	1922	88	32	5.8	18.8	0.6	0.2	6.6
	1923	80	20	10.1	5.0	1.0	0.5	3.4
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

Table 45.—Disposition of the Coal Output from Nova Scotia Mines, 1922 and 1923

(Short tons)

	1922	1923
Coal shipped (see Table 46).....	4,857,835	5,884,084
Used under colliery boilers.....	439,083	480,376
Used in shops, etc.....	19,445	11,440
Used by company's railroads.....	49,880	59,393
Used by harbour tugs and dredges.....	465	694
Supplied to employees for domestic consumption.....	150,657	162,987
Put on bank.....	551,820	534,709
Put on waste heap.....	25,816	14,614
Total Disposition.....	6,095,001	7,158,287
Lifted from bunk.....	525,929	560,449
Total Output.....	5,569,072	6,597,838

Table 46.—Shipments of Coal from Nova Scotia Mines by Grades and Destinations, 1922 and 1923

(Short tons)

Destination	1922				1923			
	Run-of-mine	Screened	Slack	Total Coal	Run-of-mine	Screened	Slack	Total Coal
Coal supplied for bunkers.....	301,799	7,632	210	309,641	280,144	4,530	.....	261,674
Coal supplied to railroads.....	589,761	81,978	19,198	690,937	873,880	89,744	19,077	982,701
Nova Scotia by land including land sales at collieries.....	485,501	384,960	197,860	1,068,330	458,226	507,858	696,752	1,662,836
Nova Scotia by sea.....	147,770	68,753	13,177	229,700	116,609	63,917	12,601	193,127
New Brunswick.....	237,654	133,574	32,514	403,742	306,800	161,402	35,396	563,598
Newfoundland.....	78,854	127,376	9,992	216,222	107,465	153,444	10,476	271,355
Prince Edward Island.....	13,982	56,537	478	70,995	13,960	68,047	380	82,417
Quebec.....	1,139,586	16,735	250,669	1,406,990	1,283,433	27,957	221,656	1,533,046
Ontario.....	1,060	.....	1,000	.....	.....	106	.....	106
West Indies.....	.....	.....	.....	.....	.....	.....	.....	.....
United States.....	444,403	2,793	3,876	451,162	231,273	385	.....	231,658
Europe.....	.....	386	.....	386	86,536	1,120	.....	87,656
Other countries.....	1,718	6,782	.....	8,500	3,031	7,383	466	10,886
Lost at sea.....	.....	170	.....	170	.....	.....	.....	.....
Total.....	3,442,178	887,085	527,972	4,857,835	3,801,387	1,065,893	996,804	5,884,084

Table 47.—Exports of Canadian Coal through Nova Scotia Ports, 1921, 1922 and 1923

(Short tons)

Port	1921	1922	1923
Amherst.....	.....	120	240
Baddeck.....	358	280	.....
Glace Bay.....	.....	.....	.....
Halifax.....	25,855	15,179	27,246
Lunenburg.....	.....	.....	.....
North Sydney.....	70,131	130,241	100,880
Parrsboro'.....	.....	2,217	210
Pictou.....	3,015	.....	8,453
Port Hawkesbury.....	3,846	12,625	696
Sydney.....	618,582	480,642	542,066
Total.....	727,787	641,304	679,771

Employees, Salaries and Wages.—Considering the number of mines in operation (fifty-six), important additions were made to the staffs and consequently considerable increases were evidenced in salaries paid. The number of officials rose from 574 in 1922 to 734 in the following year with an increase of almost \$300,000 in salaries paid.

As might be expected from the substantial increase in output of coal the number of man-days' work performed increased by nearly 600,000, or from 2,965,892 in 1922 to 3,521,076 in 1923, an increase of over 18 per cent. The number of underground workers was approximately three times the number of surface employees. The data for the different fields are given in Table 49, from which the variations in the ratio of surface to underground workers may be readily observed. The increases in the numbers shown were largely among the underground workers.

Statistics concerning the number of employees by months are given in Table 50, with the average number of days' work performed per man and the average wages earned. In 1923, the month of February showed the greatest number of days' work done, while in 1922 the busiest month was October. An analysis of the different classes of workmen has been shown for the past two years in Table 51.

Table 48.—Salaried Employees and Salaries Paid on the Coal Mine Staffs in Nova Scotia, 1922 and 1923

	1922			1923		
	Number		Total salaries	Number		Total salaries
	Male	Female		Male	Female	
Salaried officers of corporation.....	39	.....	\$ 163,603	47	.....	158,926
General superintendents, managers.....	166	.....	416,728	163	.....	421,605
Technical experts, accountants.....	122	.....	241,973	111	2	196,468
Clerks, stenographers, salesmen.....	197	50	304,416	358	53	641,536
Total.....	524	50	1,126,720	679	55	1,418,535

Table 49.—Number of Man-days Worked, by Districts, in Nova Scotia, 1922 and 1923

District	1922			1923		
	Surface	Under-ground	Total	Surface	Under-ground	Total
Cape Breton.....	384,031	1,539,992	1,924,023	426,847	1,825,072	2,251,919
Cumberland.....	137,861	304,088	441,919	157,698	347,607	505,305
Inverness.....	38,906	108,942	147,748	38,178	113,077	151,255
Pictou.....	139,572	312,600	452,172	177,052	435,545	612,597
Total.....	700,370	2,265,522	2,965,892	799,775	2,721,301	3,521,076

Table 50.—Number of Employees, Work Done by Months and Wages Paid in the Nova Scotia Coal Mines in 1923 with comparative totals for 1922

Month	Number of Employees			Days' work done			Total Wages Paid
	Surface	Under- ground	Total	Surface	Under- ground	Total	
1923							
January.....	2,941	10,634	13,575	70,474	239,164	309,638	
February.....	2,948	10,503	13,449	98,908	366,463	465,371	
March.....	2,925	10,767	13,692	70,445	258,226	308,671	
April.....	2,908	10,672	13,580	76,879	260,261	337,149	
May.....	2,911	10,658	13,569	67,574	224,024	291,595	
June.....	2,855	10,632	13,487	68,691	248,704	317,395	
July.....	2,823	9,765	12,588	38,607	92,670	131,277	
August.....	2,807	10,448	13,255	73,185	254,535	327,720	
September.....	2,796	10,597	13,393	61,738	211,998	273,736	
October.....	2,752	10,764	13,516	63,513	215,201	278,714	
November.....	2,669	10,540	13,209	58,859	205,500	264,359	
December.....	2,553	10,765	13,318	50,002	164,555	213,457	
1923				799,775	2,721,301	3,521,076	\$ 15,325,830
Average.....	2,823	10,562	13,385	283 days per year	258 days per year	263 days per year	\$4.35 per day
1922				700,370	2,265,522	2,965,892	\$ 12,077,999
Average.....	2,905	11,163	14,068	241 days per year	202 days per year	210 days per year	\$ 4.07 per day

Table 51.—Average Number of Employees in Nova Scotia Coal Mines, by Classes, 1922 and 1923

Classification	1922			1923			
	Surface	Under- ground	Total	Surface	Under- ground	Total	
SURFACE—							
Administration.....	87	32	119	77	23	100	
Foremen and clerks.....	179	19	198	180	4	184	
Screenmen and loaders.....	648	82	730	660	2	662	
UNDERGROUND—							
Officials.....	2	439	441	4	443	447	
Handcutters and helpers.....	2,061	2,061		1,851	1,851		
Machine cutters.....	1,509	1,509		1,422	1,422		
Machine loaders and helpers.....	1,502	1,502		1,604	1,604		
Horse haulage employees.....	839	839		829	829		
Mechanical haulage employees.....	11	1,540	1,551	14	1,527	1,541	
Ventilation employees.....	9	366	375	9	413	422	
Road-makers.....	295	295		292	292		
Timbermen.....	685	685		670	670		
Pumpmen.....	2	193	195	3	157	160	
MISCELLANEOUS—							
Engineers.....	249	47	296	246	6	252	
Firemen.....	305	46	351	262	262		
Mechanists.....	319	38	357	277	1	278	
Carpenters and masons.....	143	23	166	147	1	148	
Other mechanics.....	114	175	289	102	152	254	
All other employees.....	837	1,372	2,109	842	1,165	2,007	
Total.....	2,905	11,163	14,068	2,823	10,562	13,385	

Imports and Distribution.—Since Nova Scotia is one of the most important coal-producing provinces in Canada, imports of coal are not large; the statistics in Table 52 indicate that only the port of Halifax, which is a regular port of call for many trading lines, received a large amount. The bulk of the imports came by sea from the United States. The table shows comparative quantities imported during the past three years. The distribution of coal through retail dealers in Nova Scotia has been shown by municipalities for the past two years in Table 53.

Table 52.—Imports into Nova Scotia of Anthracite and Bituminous Coal by Grades and Ports of Entry, 1921, 1922 and 1923

(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. 1921	155		155				155
	1922							
	1923							
Annapolis.....	U.S. 1921	2,456		2,456				2,456
	1922	941		941				941
	1923	1,314		1,314				1,314
Antigonish.....	U.S. 1921							
	1922							
	1923							
Arichat.....	U.S. 1921	171		171				171
	1922							
	1923							
Baddeck.....	U.S. 1921				3		3	3
	1922							
	1923							
Burrington Passage.....	U.S. 1921							
	1922	18		18				18
	1923							
Bridgewater.....	U.S. 1921	566		566				566
	1922	355		355				355
	1923	592		592				592
Canso.....	U.S. 1921	817		817				817
	1922	913		913				913
	1923	708		708				708
Digby.....	U.S. 1921	907		907				907
	1922	280		280				280
	1923	210		210				210
Glace Bay.....	U.S. 1921							
	1922							
	1923							
Halifax.....	U.S. 1921	38,115		38,115	1,261	454	1,715	39,830
	1922	10,659		10,690	1,556	200	1,756	12,446
	1923	16,619		16,619	16,642		16,642	33,261
	G.B. 1922	5,645		5,645	3,267		3,267	8,912
	1923	18,570		18,570	7,871		7,871	26,441
Kentville.....	U.S. 1921	2,007		2,007				2,007
	1922							
	1923	1,006		1,006				1,006
Liverpool.....	U.S. 1921	1,061		1,061				1,061
	1922	870		870				870
	1923	566		566		29	29	595
Lockeport.....	U.S. 1921	256		256				256
	1922	56		56				56
	1923	217		217				217
Lunenburg.....	U.S. 1921	3,847		3,847				3,847
	1922	3,411		3,411				3,411
	1923	3,755		3,755				3,755
Middleton.....	U.S. 1921							
	1922							
	1923							
New Glasgow.....	U.S. 1921							
	1922							
	1923							
North Sydney.....	U.S. 1921	432		432	40		40	472
	1922			25	25			25
	1923							
Parrsboro.....	U.S. 1921				2		2	2
	1922							
	1923							
Pictou.....	U.S. 1921							
	1922							
	1923							
Port Hawkesbury.....	U.S. 1921							
	1922	96		96				96
	1923							
Port Hood.....	U.S. 1921							
	1922							
	1923							
Shelburne.....	U.S. 1921							
	1922							
	1923							
Sydney.....	U.S. 1921	127		127	112		112	239
	1922							
	1923							
					8,587	18,051	26,638	26,638

Table 52.—Imports into Nova Scotia of Anthracite and Bituminous Coal by Grades and Ports of Entry, 1921, 1922 and 1923—Concluded

(Short tons)

Port	Source and Year	Anthracite			Bituminous			Total all Grades
		Egg, Nut, etc.	Dust	Total	Round and run- of mine	Slack	Total	
Truro.....	U.S. 1921							
	1922							
	1923							
Weymouth.....	U.S. 1921	424		424				424
	1922	332		332				332
	1923				2	8	8	8
Windsor.....	U.S. 1921	811		811				811
	1922				44	788	832	832
	1923	329		329	1,108		1,108	1,437
Yarmouth.....	U.S. 1921	10,051	42	10,093	3		3	10,096
	1922	3,432		3,432	3,645		3,645	7,077
	1923	9,853		9,853				9,853
Total.....	U.S. 1921	62,203	42	62,245	1,421	454	1,875	64,120
	1922	21,363	56	21,419	5,245	988	6,223	27,652
	1923	35,169		35,169	26,340	18,086	41,426	79,595
	G.B. 1922	5,645		5,645	3,267		3,267	8,912
	1923	18,570		18,570	7,871		7,871	26,441

Table 53.—Distribution of Coal through Retail Dealers in Nova Scotia by Municipalities, 1922 and 1923

(Compiled in the Internal Trade Branch)

(Short tons)

Cities and Towns	Year	Anthracite Coal from		Bituminous Coal from		Canadian Bituminous Lignite and Others	Total
		United States	Great Britain	United States	Great Britain		
Amherst.....	1922					12,485	12,485
	1923	172				13,908	14,080
Antigonish.....	1922	24				3,174	3,198
	1923					3,540	3,540
Halifax.....	1922	8,003	3,964			68,848	80,815
	1923	6,039	5,149			41,105	52,293
Lunenburg.....	1922	1,390				2,125	3,515
	1923	1,696				2,186	3,882
Mulgrave.....	1922					1,204	1,264
	1923					1,156	1,156
Pictou.....	1922					15,549	15,549
	1923					16,964	16,964
Truro.....	1922					18,837	18,837
	1923	188				12,077	12,265
Windsor.....	1922					191	191
	1923						
Yarmouth.....	1922	5,269		2,701		15,534	23,504
	1923	8,008				25,945	33,933
Other municipalities (38).....	1922	5,121				33,668	38,789
	1923	6,068	1,389			45,184	53,541
Total.....	1922	19,807	3,964	2,701		171,675	198,147
	1923	23,671	6,538			162,065	191,674

CHAPTER THREE

NEW BRUNSWICK

Output and Disposition.—In 1923 the output of coal from New Brunswick mines amounted to 276,617 tons, as against 287,513 tons in 1922, or a decrease of 3·8 per cent in quantity. While the 1923 output was lower than the former high record, the amount produced during that year was considerably greater than that of any other preceding year except 1918. An interesting feature of the record for the last two years was that while the quantity of coal decreased the value rose by \$89,129 or 8 per cent. In 1923 there were 17 operating mines as against 19 in 1922. It should also be pointed out that while the number of wage-earners did not decrease, the man-days' work done rose from 149,586 in 1922 to 164,896 in 1923.

Table 54 shows the quantity and value of the coal produced in New Brunswick from 1887 to date. Table 55 records the output of collieries for the last three years. Only those collieries having an average output of 500 tons per month or over have been separately shown. The tonnage lost in New Brunswick coal mines during 1922 has been analyzed in Table 56. The disposition of all coal mined in New Brunswick during each of the past two years has been tabulated in Table 57. Shipments of coal from New Brunswick mines by grades and by destinations have been collected in Table 58 and Table 59 shows the quantities of Canadian coal exported through New Brunswick ports during each of the past three years.

Table 54.—Output of Coal from New Brunswick Mines, 1887-1923
(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	98,406
1890.....	7,110	13,850	1910.....	55,455	110,910
1891.....	5,422	11,030	1911.....	55,781	111,562
1892.....	6,708	9,375	1912.....	44,780	89,560
1893.....	6,200	9,837	1913.....	70,311	166,637
1894.....	6,409	10,264	1914.....	98,049	241,075
1895.....	9,500	14,250	1915.....	127,391	309,612
1896.....	7,500	11,280	1916.....	143,540	386,016
1897.....	6,000	9,000	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.....	10,080	15,000	*1920.....	171,610	1,091,440
1901.....	17,630	51,857	*1921.....	187,192	920,666
1902.....	18,745	39,680	*1922.....	287,513	1,107,643
1903.....	16,000	40,000	*1923.....	276,617	1,196,772
1904.....	9,112	18,224	Total.....	2,513,619	\$ 279,300
1905.....	29,400	58,800			
1906.....	34,076	68,152			

*For the years 1910-1923 the tonnage shown is the total output from all mines; for previous years the figures given includes only sales, colliery consumption and coal used by operators.

Table 55.—Output of Coal by Principal Collieries in New Brunswick for 1921, 1922 and 1923. (Average output of 500 tons or more per month)

(Short Tons)

Name	Address	1921	1922	1923
Avon Coal Co. Ltd.	St. John.	1,304	11,462	21,653
Conkley, M.	Minto.		759	
McDougall Bros.	Minto.		3,908	596
Minto Coal Co. Ltd.	St. John.	100,854	177,978	128,298
Miramichi Lumber Co. Ltd.	Minto.	12,501	27,883	33,160
Ronde, L. W. (c/o Grand Lake Coal Co.).	Minto.	1,616	2,738	
Rothwell Coal Co. Ltd.	Rothwell.	3,186	7,014	9,948
Sheffield Coal Co. Ltd.	St. John.	20,455	†	†
Welton, Harvey.	Minto.	19,204	26,386	48,666
Welton & Hemerson.	Minto.	21,131	27,876	32,804
All other operators.		941	2,268	733
Total for New Brunswick.		187,192	287,513	276,617

† Operated by Minto Coal Co., Ltd.

Table 56.—Tonnage Lost in New Brunswick Coal Mines, showing the Relative Percentages produced and lost, with an Analysis of the Percentage Lost, 1922 and 1923

Year	% Produced	% Lost	Percentage Lost through				
			Absenteeism	Lack of Orders	Car Shortage	Mine Disability	Other Causes
1922	79	21	5.0	13.0			
1923	89	11	8.1	0.1		1.0	3.0

Table 57.—Disposition of Coal from New Brunswick Mines by Grades, 1922 and 1923

(Short Tons)

	1922				1923			
	Run-of-mine	Screened	Slack	Total Coal	Run-of-mine	Screened	Slack	Total Coal
Supplied to employees for domestic consumption	2,724		61	2,785	3,508			3,508
Used under colliery boilers, etc.	5,566		220	5,786	7,653		310	7,983
Used by Company's railroads	58			58	86			86
Shipped (see Table 58)	176,634	77,655	22,984	277,323	143,929	94,497	26,132	261,558
Used in making coke								
Used in making briquettes								
Put on bank	17,146	1,414	3,705	22,265	32,081	1,057	1,247	34,385
Put on waste heap	127			127	137			137
Total Disposition	202,305	79,069	26,970	308,344	187,394	95,554	27,689	310,637
Lifted from bank	15,309	2,010	3,512	20,831	31,420	1,253	1,347	34,020
Total Output	186,996	77,059	23,458	287,513	155,974	94,301	26,342	276,617

Table 58.—Shipments of Coal from New Brunswick Mines by Grades and Destination, 1922 and 1923

(Short Tons)

Destination	1922				1923			
	Run-of-mine	Screened	Slack	Total Coal	Run-of-mine	Screened	Slack	Total Coal
New Brunswick (including local sales).....	89,350	48,803	20,326	158,478	95,261	59,171	17,121	171,553
Nova Scotia.....	39			39				
Prince Edward Island.....								
Quebec.....	46,822	402		47,224	7,044	194		7,238
Ontario.....	11,190	2,263	2,351	15,804	12,074	4,799	8,002	21,875
United States.....	28,247	1,010	262	29,519	29,550	6,752	44	36,346
Railroads.....	1,036	25,177	46	26,259		23,581	965	24,546
Total.....	176,084	77,655	22,984	277,323	143,929	94,497	26,132	261,558

Table 59.—Exports of Canadian Coal through New Brunswick Ports, 1921, 1922 and 1923

(Short Tons)

Port	1921	1922	1923
McAdam Junction.....	3,720	22,776	45,793
St. Andrews.....	44	1,110	10
St. John.....	57,852	10,842	43,492
St. Stephen.....	329	408	314
Woodstock.....	9,753	22,261	25,755
Total.....	71,694	66,160	115,364

Employees, Salaries and Wages.—Although the number of active mines in New Brunswick in 1923 was two less than in the former year, when 19 mines were operated, there was very little change in the number of wage-earners employed; the average number in 1923 was 612, as against 611 in 1922.

Each man employed on surface work obtained 274 days' work on the average during 1923, as compared with 240 days' employment in 1922. On the same basis each underground employee worked 267 days in 1923 as compared with 248 days in the previous year. For all employees, the average number of days worked in 1923 was 269, as against 245 in 1922, and as determined from the tables, the average earnings per man-day worked out at \$4.54, as compared with \$3.78 in the previous year.

Table 60.—Salaried Employees and Salaries Paid on the Coal Mine Staffs in New Brunswick, 1922 and 1923

—	1922			1923		
	Number		Total Salaries	Number		Total Salaries
	Male	Female		Male	Female	
Salaried officers of corporation.....	6		\$19,000	6		\$13,200
General superintendents and managers.....	12		34,368	11		34,759
Technical experts and accountants.....	4		4,340	2		2,700
Clerks, stenographers and salesmen.....	8	3	15,105	9	3	16,109
Total.....	39	3	72,813	28	3	66,768

Table 61.—Number of Employees, Work Done by Months and Wages Paid in New Brunswick Coal Mines in 1923 with comparative totals for 1922

Month	Number of Employees			Days' Work Done			Total Wages Paid	
	Surface	Under-ground	Total	Surface	Under-ground	Total		
1923								
January.....	159	475	634	4,414	11,417	15,831	\$ Not reported by months	
February.....	153	504	657	3,083	11,273	15,256		
March.....	160	486	646	4,838	11,771	16,609		
April.....	179	489	668	4,715	10,413	15,128		
May.....	164	434	598	4,804	8,414	13,308		
June.....	172	443	615	4,258	8,915	13,173		
July.....	179	449	628	3,630	9,704	13,334		
August.....	179	445	624	3,800	9,765	13,574		
September.....	185	368	553	3,820	8,073	11,893		
October.....	185	359	534	4,270	8,305	12,575		
November.....	213	352	565	3,265	8,710	11,975		
December.....	204	407	611	2,921	9,319	12,240		
Totals.....				48,817	116,079	164,896	\$749,395	
1923	128	434	612	274 days per year	267 days per year	269 days per year	\$1.54 per day	
Average.....					51,565	98,021	149,586	\$565,877
1922				246 days per year	248 days per year	245 days per year	\$3.78 per day	
(Average.....)	215	396	611					

Table 62.—Average Number of employees in New Brunswick Coal Mines, by Classes, 1922 and 1923

Classification	1922			1923			
	Surface	Under-ground	Total	Surface	Under-ground	Total	
SURFACE—							
Administration.....	11	3	14	11			11
Foremen and clerks.....	10	7	17	12			20
Screenmen and loaders.....	18		18	29			30
UNDERGROUND—							
Officials.....	1	1	2	2			4
Hand cutters and helpers.....	18	381	399				422
Machine cutters.....		2	2				
Machine loaders and helpers.....	1	1	2				
Horse haulage employees.....	4		4	5			5
Mechanical haulage employees.....	1		1				
Ventilation employees.....							
Roadmakers.....							
Timbermen.....	8	1	9	15			15
Pumpmen.....	2		2	6			6
MISCELLANEOUS—							
Enginemen.....	11		11	14			14
Firemen.....	4		4	3			3
Machinists.....	1		1	2			2
Carpenters and masons.....	2		2	4			4
Other mechanics.....	13		13	1			1
All other employees.....	110		110	74			74
Total.....	215	396	611	178	434	612	

Imports and Distribution.—The province receives a considerable quantity of coal from the United States. In 1923 the importations of all grades were almost 200,000 tons, comprising 78,842 tons of bituminous and 54,556 tons of anthracite from the United States, and 35,787 tons anthracite and 23,440 tons of bituminous from Great Britain. The above figures represent considerable increases over the 1922 record as may be seen in the compilation on imports. A compilation has been made in Table 64 showing data on the distribution of the imported and domestic coal by retail dealers in each municipality of the province.

Table 63.—Imports into New Brunswick of Anthracite and Bituminous Coal by Grades and by Ports of Entry, 1921, 1922 and 1923

(Short Tons)

Port	Source* and Year	Anthracite			Bituminous			Total all Grades
		Egg, Nut, etc.	Dust	Total	Round and run off mine	Slack	Total	
Bathurst.....	U.S.....1921	551	.....	551	9,122	5,498	14,620	15,171
	1922	344	.....	344	5,784	.....	5,784	6,128
	1923	326	.....	326	20,645	.....	20,645	20,971
	G.B.....1922	38	.....	38	1,738	900	2,638	2,676
	1923	.....	.....	.....	.....	.....	.....	.....
Campbellton.....	U.S.....1921	2,453	.....	2,453	.....	50	50	2,503
	1922	755	.....	755	.....	.....	.....	755
	1923	2,477	.....	2,477	.....	.....	.....	2,477
Chatham.....	U.S.....1921	469	.....	469	7,118	.....	7,118	7,587
	1922	481	.....	481	.....	.....	.....	481
	1923	201	.....	201	3,702	.....	3,702	3,903
Fredericton.....	U.S.....1921	5,238	.....	5,238	118	.....	118	5,356
	1922	2,136	.....	2,136	36	.....	36	2,172
	1923	640	.....	640	123	.....	123	763
McAdam Junction.....	U.S.....1921	235	.....	235	57	.....	57	293
	1922	.....	.....	.....	162	.....	162	162
	1923	.....	.....	.....	13,745	.....	13,745	13,745
Moncton.....	U.S.....1921	556	.....	556	.....	.....	.....	556
	1922	.....	.....	.....	.....	.....	.....	217
	1923	217	.....	217	.....	.....	.....	217
Newcastle.....	U.S.....1921	142	.....	142	.....	.....	.....	142
	1922	.....	.....	.....	.....	.....	.....	.....
	1923	.....	.....	.....	46	.....	46	46
Sackville.....	U.S.....1921	169	.....	169	.....	.....	.....	169
	1922	.....	.....	.....	.....	.....	.....	.....
	1923	.....	.....	.....	.....	.....	.....	.....
St. Andrews.....	U.S.....1921	681	.....	681	.....	.....	.....	681
	1922	204	.....	204	.....	.....	.....	204
	1923	33	.....	33	2	.....	2	35
St. John.....	U.S.....1921	64,635	.....	64,635	1,040	18,383	19,423	84,058
	1922	33,651	.....	33,651	16,011	37,240	53,251	86,902
	1923	45,086	265	45,311	10,338	26,708	37,046	82,357
	G.B.....1922	19,382	.....	19,382	261	16,232	16,493	35,875
	1923	35,787	.....	35,787	5,513	17,927	23,440	59,227
St. Stephen.....	U.S.....1921	6,372	.....	6,372	383	.....	383	6,755
	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.....	U.S.....1921	1,008	.....	1,008	181	.....	181	1,189
	1922	217	.....	217	269	.....	269	486
	1923	244	.....	244	328	.....	328	572
Total.....	U.S.....1921	82,569	.....	82,569	18,019	23,931	41,950	124,459
	U.S.....1922	40,252	.....	40,252	23,982	37,240	61,222	101,474
	U.S.....1923	51,291	265	51,291	50,882	27,960	78,842	133,398
	G.B.....1922	19,420	.....	19,420	1,999	17,132	19,131	38,551
	G.B.....1923	35,787	.....	35,787	5,513	17,927	23,440	59,227

*U.S.—United States.

G.B.—Great Britain.

Table 64.—Distribution of Coal through Retail Dealers in New Brunswick by Municipalities, 1922 and 1923

(Compiled in the Internal Trade Branch)

(Short tons)

Cities and Towns	Years	Anthracite Coal from		Bituminous Coal from		Canadian Bituminous, Lignite and Others	Total
		United States	Great Britain	United States	Great Britain		
Chatham.....	1922	29	150	26	.....	3,608	3,813
	1923	424	.....	.....	.....	3,263	3,687
Fredericton.....	1922	1,648	130	.....	153	10,208	12,139
	1923	5,326	293	.....	240	4,450	10,309
Moncton.....	1922	37	304	.....	.....	12,298	12,639
	1923	218	384	.....	.....	17,135	17,737
Newcastle.....	1922	.....	124	.....	.....	2,247	2,371
	1923	439	30	.....	.....	2,413	2,882
St. John.....	1922	17,642	220	54	47	43,314	61,277
	1923	36,552	11,413	6,926	153	55,620	110,664
St. Stephen.....	1922	959	887	.....	.....	1,840	3,786
	1923	4,588	676	.....	.....	3,078	8,342
Shediac.....	1922	.....	.....	.....	.....	1,754	1,754
	1923	.....	.....	.....	.....	2,851	2,851
Woodstock.....	1922	183	.....	.....	49	2,597	2,829
	1923	304	597	90	.....	2,361	3,352
Other Municipalities (22).....	1922	913	682	5,793	34	22,740	30,162
	1923	2,483	130	108	.....	15,964	18,685
Total.....	1922	21,411	2,597	5,873	283	100,606	130,770
	1923	50,334	13,533	7,124	393	107,135	178,509

CHAPTER FOUR

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 other Canadian provinces. Table 65 shows the quantities of anthracite and bituminous coal imported at each port of entry on the Island for the past three years.

The Customs records of exports for 1921 showed an export item of coal through the port of Charlottetown amounting to two tons. None was exported through this port in 1922 or 1923.

The annual consumption of coal on the Island is about 100,000 tons. For 1922, the apparent consumption of coal was considerably less. Canadian coal received amounted to 70,995 tons and importations of United States anthracite totalled 4,589 tons which together with 1,355 tons of imported soft coal made up the supply of 76,939 tons.

In 1923, the total consumption was 87,983 tons, including 82,417 tons from Canadian sources and 5,566 tons from the United States.

Table 65.—Imports into Prince Edward Island of Anthracite and Bituminous Coal by Grades and Ports of Entry, 1921, 1922 and 1923

(Short Tons)

Port	Anthracite			Bituminous			Total all Grades
	Egg, Nut, etc.	Dust	Total	Round and run- of-mine	Slack	Total	
Charlottetown.....	1921	4,667	4,667	238	.....	238	4,905
	1922	4,128	4,128	619	736	1,355	5,483
	1923	3,343	3,343	1,263	.....	1,263	4,686
Summerside.....	1921	1,976	1,976	.....	.....	.....	1,976
	1922	461	461	.....	.....	.....	461
	1923	960	960	.....	.....	.....	960
Total.....	1921	6,643	6,643	238	.....	238	6,881
	1922	4,589	4,589	619	736	1,355	5,944
	1923	4,303	4,303	1,263	.....	1,263	5,566

Table 66.—Distribution of Coal through Retail Dealers in Prince Edward Island by Municipalities, 1922 and 1923

(Compiled in the Internal Trade Branch)

(Short tons)

Cities and Towns	Years	Anthracite Coal from		Bituminous Coal from		Canadian Bituminous, Lignite and Others	Total
		United States	Great Britain	United States	Great Britain		
Charlottetown.....	1922	6,554	.....	.....	.....	26,263	32,817
	1923	1,769	.....	1,209	.....	43,021	45,999
Other Municipalities (18).....	1922	1,453	.....	.....	.....	14,692	16,145
	1923	659	103	.....	.....	17,789	18,551
Total.....	1922	8,007	.....	.....	.....	40,555	48,962
	1923	2,428	103	1,209	.....	68,810	61,559

CHAPTER FIVE

QUEBEC

The problem of coal supply in the province of Quebec during recent years has resembled that of Ontario in that the province has been largely dependent on the United States for its supply of coal. Prior to the war, the producers in the Maritime Provinces competed successfully in this market, and shipped large quantities of coal up the St. Lawrence river and even to points farther west. During the war years, when much shipping was pressed into the Atlantic service, and also when markets in Europe were very attractive to the eastern producers, the consumers in the province of Quebec were compelled to seek supplies in the United States. Since the close of hostilities, and including even the industrial depression of 1921, the supply of Canadian fuels to this province has gradually increased. The quantities of Canadian coal shipped into Quebec in recent years has grown from 280,000 tons in 1920 to 1,540,284 tons in 1923. In these years, imports from the United States fell off very considerably although a portion of the decrease was offset by coal brought in from Great Britain during 1922 and 1923.

The quantities of coal imported into Quebec from the United States were: 1920, over 5,000,000 tons of all grades; 1921, slightly less than 4,000,000 tons; 1922, slightly over 2,000,000 tons; in 1923 an increase in imports was again recorded and more than 4,500,000 tons was brought in. Coal from Great Britain, which amounted to 762,108 tons in 1922, fell off to 442,556 tons in 1923. The great coal strike in the United States during 1922 undoubtedly had a great influence in the spread shown in the figures of imports, and the resumption of work among the United States coal miners resulted in the increased exports to Quebec during 1923.

Table 67.—Exports of Canadian Coal through Quebec Ports, 1921, 1922 and 1923
(Short Tons)

Port	1921	1922	1923
Abercorn.....	50		
Athelstan.....		2,799	
Coaticook.....		80	3
Lake Megantic.....			
Montreal.....		10,649	
Quebec.....		1,500	
St. Armand.....		29,304	
St. John's.....	30	10,943	
Sherbrooke.....	5		
Total.....	85	55,275	3

Table 68.—Imports into Quebec of Anthracite and Bituminous Coal by Grades and Ports of Entry, 1921, 1922 and 1923

(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.... 1921	2		2	01		91	93
	1922				51		51	51
	1923	3		3	2		2	5
Athelstan.....	U.S.... 1921	238,593	583	239,176	110,973	66,958	177,931	417,107
	1922	42,439	138	42,577	271,403	59,180	330,583	373,189
	1923	132,002	4,212	136,214	680,493	160,699	850,192	986,496
Beebe Junction.....	U.S.... 1921	4,643		4,643	6,802		6,802	11,445
	1922	1,329		1,329	3,550	7,021	10,571	11,900
	1923	2,634		2,634	3,869	13,419	17,288	19,922
Coaticook.....	U.S.... 1921	687	404	1,091	944		944	2,035
	1922	134	146	279	90		90	369
	1923	188	873	1,061	898		898	1,959
Gaspé.....	U.S.... 1921	218		218	2,708		2,708	2,926
	1922				5,342	1,123	6,465	6,465
	1923				11,028		11,028	11,028
G.B.... 1922					20,250		20,250	20,250
	1923				15,207		15,207	15,207
Granby.....	G.B.... 1923	551		551				551
	U.S.... 1923				51		51	51
Highwater.....	U.S.... 1921				1		1	1
	1922							
	1923							
Hull.....	U.S.... 1921	12,028		12,028	15,970	18,805	34,775	46,803
	1922	6,882	47	6,909	7,693	22,653	30,346	37,255
	1923	14,434	3,592	18,026	12,728	48,817	61,545	79,571
Lake Megantic.....	G.B.... 1922				991		991	991
	1921	92		92	54		54	146
	1922	48		48	125		125	173
Mansonville.....	1923	83		83	171		171	254
	U.S.... 1921				102		102	102
	1922							
Montreal.....	1923							
	U.S.... 1921	253,473	19,022	272,395	1,474,912	406,700	1,581,612	2,155,007
	1922	186,149	14,949	201,098	590,545	125,874	716,419	917,517
G.B.... 1922	1923	308,275	40,656	348,931	1,136,855	385,907	1,502,762	1,851,693
	1923	105,135	13,281	118,416	299,647	126,941	426,588	545,004
		160,236	21,356	181,592	10,953	105,942	116,395	298,187

Table 68.—Imports into Quebec of Anthracite and Bituminous Coal by Grades and Ports of Entry, 1921, 1922 and 1923—Concluded

(Short Tons)

Port	Source and Year	Anthracite			Bituminous			Total all Grades
		Egg, Nut, etc.	Dust	Total	Round and run-of-mine	Slack	Total	
Paspébiac	U.S. 1921	338		338				338
	1922	250		250	68		68	318
	1923	606		606		258	258	864
	G.B. 1923	551		551				551
Perce	U.S. 1921	80		80	451		451	531
	1922	91		91				91
	1923	281		281	90		90	371
Port Burwell	U.S. 1921				40		40	40
	1922							
	1923							
Quebec	U.S. 1921	108,436	1,318	109,754	110,711	68,876	179,587	289,341
	1922	42,040	2,489	44,529	56,169	9,102	65,271	109,909
	1923	82,612	638	83,250	101,705	12,378	114,083	197,333
	G.B. 1922	25,354		25,354	75,405	46,131	121,626	146,980
	1923	22,211		22,211	16,392	89,004	108,396	127,607
Rimouski	Other Countries 1922				75		75	75
	U.S. 1921	758		758	1,315	62	1,377	2,135
	1922	301		301	95	95	190	491
	1923	569		569	227	37	264	833
St. Armand	U.S. 1921	8,111	732	8,843	4,733	147	4,880	13,723
	1922	3,271	834	4,105	4,190	141	4,331	8,436
	1923	8,531	1,032	9,563	5,536	43	5,579	15,142
St. Hyacinthe	U.S. 1921	7,902	136	8,038	131,533	370	131,912	139,950
	1922	4,451	116	4,567	4,967	832	5,799	10,366
	1923	5,755	51	5,806	9,573	2,069	11,642	17,448
St. John's	U.S. 1921	507,205	98,536	605,741	61,173	3,601	64,774	670,515
	1922	315,307	104,263	419,570	29,498	2,646	32,144	451,711
	1923	758,812	81,947	840,759	52,729	2,220	54,919	895,708
Shawinigan Falls	U.S. 1921	6,262		6,262	19,160	31,294	50,454	56,716
	1922	3,827		3,827	4,106	27,639	31,834	35,662
	1923	3,488	127	3,615	12,454	95,496	107,350	111,365
Sherbrooke	U.S. 1921	12,710	5,636	18,346	51,846	10,419	62,265	80,611
	1922	7,675	7,244	14,919	27,139	3,438	30,577	45,496
	1923	13,214	55,160	68,454	33,415	5,682	39,097	107,551
	G.B. 1923	433		433				433
Sorel	U.S. 1921	4,147		4,147	10,239	52	19,291	23,438
	1922	1,958		1,958	2,998	58	3,058	5,014
	1923	4,345		4,345	14,750	1,034	15,784	29,129
	G.B. 1922				267		267	267
Three Rivers	U.S. 1921	6,795		6,795	37,944	9,492	47,436	54,231
	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
	G.B. 1922	8,747		8,747	35,312	4,482	38,794	48,541
	1923	271		271				271
Valleyfield	U.S. 1921	11,965		11,965	8,970	8,149	17,119	20,084
	1922	8,308		8,308	6,307	3,526	9,833	18,141
	1923	13,678	127	13,805	16,035	17,942	33,977	47,782
Total	U.S. 1921	1,184,445	127,267	1,311,712	2,059,632	624,934	2,681,566	3,996,278
	1922	633,237	156,210	789,447	1,052,360	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	4,531,312
	G.B. 1922	139,236	13,281	152,517	431,962	177,554	609,516	762,633
Other Countries	1923	183,702	21,356	205,058	42,552	194,916	237,498	412,556
	1922				75		75	75

Table 69.—Distribution of Coal through Retail Dealers in Quebec by Municipalities,
1922 and 1923

(Compiled in the Internal Trade Branch)

(Short Tons)

Cities and Towns	Years	Anthracite Coal from		Bituminous Coal from		Canadian Bituminous, Lignite and others	Total
		United States	Great Britain	United States	Great Britain		
Beauharnois.....	1922	1,071	97	50			1,218
	1923	466	211	5,300			5,977
Berthierville.....	1922	497					497
	1923	885		33			918
Farnham.....	1922	1,211					1,211
	1923	1,447	35				1,482
Huntingdon.....	1922	504			48		642
	1923	1,537					1,537
Lachine.....	1922	5,195	2	1,788		1,354	8,339
	1923	7,397	252	1,965		413	10,027
Longueuil.....	1922	1,924		156			2,080
	1923	3,184	6				3,170
Marieville.....	1922	503		46			549
	1923	1,390		76			1,466
Montreal.....	1922	417,311	4,708	322,089	70	77,463	821,641
	1923	641,210	11,741	121,150	283	76,328	850,712
Ormstown.....	1922	627		33		143	803
	1923	1,486		73		46	1,605
Quebec.....	1922	39,379	654	4,636	316	2,508	70,493
	1923	63,833	108	7,261	147	34,596	105,945
Richmond.....	1922	1,552		93			1,645
	1923	2,572		54			2,626
St. Hyacinthe.....	1922	3,978		1,701		3,714	9,393
	1923	13,528		2,336		4,666	20,530
St. Laurent.....	1922	1,106		43			1,106
	1923	654					697
St. Louis de Gonzague.....	1922	150					150
	1923	388		50			438
St. Polycarpe.....	1922						
	1923	45					45
St. Remi.....	1922	239					239
	1923	426					426
Sherbrooke.....	1922	6,970					6,970
	1923	6,643					6,643
Sorel.....	1922	2,736		317		481	3,524
	1923	2,345		468		116	2,927
Valleyfield.....	1922	3,262		136		54	3,452
	1923	3,913		559			4,472
Vaudreuil Station.....	1922						
	1923						
Other Municipalities.....	1922	57,855	2,853	42,193	11,368	5,685	119,954
	1923	103,619	3,491	109,963	59	5,163	222,295
Total.....	1922	546,160	8,314	373,238	11,802	114,462	1,053,916
	1923	856,948	13,844	249,329	489	121,328	1,243,938

CHAPTER SIX

ONTARIO

During 1923 much publicity was given to Ontario's position in the matter of coal supply and the attention of the public was repeatedly drawn to the fact that the province is largely dependent on imported supplies of United States anthracite and bituminous coal for domestic and industrial uses. Many papers on the subject were presented and discussed before technical societies and by leaders in the industrial life of the country. The consensus of opinion seemed to favour the establishment at strategic points throughout Ontario of coking plants to treat Canadian fuels, which, besides saving valuable by-products in the form of ammonium sulphate, tars and fuel gas, would by the supply of coke relieve the consumers of a heavy fuel expense. During the period there was imported into Ontario in anthracite alone, 3,142,522 tons, which, if valued at say \$17 per ton, would cost the consumer approximately \$53,423,000 for heating purposes only. If coke made in Canadian plants from domestic fuel could be supplied at \$14 per ton, a saving of more than \$9,428,000 would result to the consumers. In addition, there would be other advantages due to the increased activity to railways and shipping and to a larger pay-roll for Canadian labour, all of which would indirectly assist other industries.

Experiments were also carried out during the year in different Ontario cities in the burning of Alberta coals for heating purposes. While the small shipments gave considerable satisfaction to several consumers, the regular use of these coals was not considered feasible on account of the high freight rates.

The problem of coal supply in Ontario is one of the utmost importance and since all Ontario's consumption is imported, statistics are given covering the imports of anthracite and bituminous coal by grades received at each port of entry within the province.

Exports, as might be expected from the above, are of little importance, and occur in small amounts. In order to complete the records, mention may be made here of 877 tons passing through the customs record of exports in 1923 as against 76 tons in 1922.

Statistics of coal made available for consumption in Ontario for 1922 and 1923 are tabulated in Table 71. A study of the data here presented may well be assisted by some mention of actual transportation procedure employed in the supply of coal. The problem of the coal supply for the province falls naturally into two divisions. Central Ontario draws its supply from the United States coal fields by way of the lower lakes. The ports at the head of the lakes, Fort William and Port Arthur have for many years been one of the natural destinations of coal cargoes carried up the lakes by the large carriers operating in those waters which depend for their return cargo on the supplies of iron ore and grain picked up at Lake Superior ports. A large part of the coal thus dumped at the head of the lakes finds its way into the province of Manitoba, and indeed that province receives almost the whole of its imported coal through these ports. For this reason it has been deemed advisable in statistical reports to consider Central Ontario as a unit, with Manitoba and the Head of the Lakes combined to form a separate unit.

Table 70.—Exports of Canadian Coal through Ontario Ports, 1921, 1922 and 1923
(Short tons)

Port	1921	1922	1923
Bridgeburg			33
Forl Frances	10	76	844
Total	10	76	877

Table 71.—Summary Statistics for 1921, 1922 and 1923—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 Consumption
	Received from other provinces	Exported			
CENTRAL ONTARIO—					
Anthracite.....	1921		2,809,327		2,809,327
	1922		1,588,036	900	1,588,936
	1923		3,059,964	2,244	3,062,208
Bituminous.....	1921		10	8,733,828	8,733,818
	1922	16,864	76	7,485,324	7,509,041
	1923	24,875	877	11,717,298	11,741,296
Lignite.....	1921				
	1922				
	1923 (a)	51,331			51,331
Sub-Bituminous.....	1921				
	1922				
	1923 (a)	1,560			1,560
Total.....	1921		10	11,543,155	11,543,145
	1922	16,864	76	9,071,360	8,095,977
	1923	77,766	877	11,777,262	2,244 14,856,395
HEAD OF LAKES—					
Anthracite.....	1921			260,890	260,890
	1922			57,525	57,525
	1923			82,558	
Bituminous.....	1921	4,375		1,075,918	1,980,293
	1922	924		1,962,269	1,963,193
	1923			2,350,704	2,350,704
Lignite.....	1921	7,529			7,529
	1922	21,019			21,019
	1923				
Total.....	1921	11,904		2,236,808	2,248,712
	1922	21,043		2,019,791	2,041,737
	1923			2,433,262	2,433,262
TOTAL ONTARIO—					
Anthracite.....	1921			3,070,217	3,070,217
	1922			1,643,561	1,644,461
	1923			3,142,522	3,144,766
Bituminous.....	1921	4,375	10	10,709,746	10,714,111
	1922	17,788	76	9,447,593	8,929 9,472,234
	1923	24,875	877	14,068,002	14,092,000
Lignite.....	1921	7,529			7,529
	1922	21,019			21,019
	1923	51,331			51,331
Sub-Bituminous.....	1921				
	1922				
	1923	1,560			1,560
Total.....	1921	11,904	10	13,770,963	13,791,857
	1922	38,807	76	11,091,154	7,829 11,437,714
	1923	77,766	877	17,210,524	2,244 17,289,657

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

Table 72.—Imports into Ontario of Anthracite and Bituminous Coal by Grades and by Ports of Entry, 1921, 1922 and 1923

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. 1921	9,666	.....	9,666	32,918	11,056	43,974	53,610
	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	72,994
Belleville.....	U.S. 1921	36,921	.....	36,921	49,460	59,639	109,399	116,320
	1922	17,475	.....	17,475	15,689	44,832	60,521	77,996
	1923	35,732	1,099	36,831	19,335	115,734	133,069	171,900
Bowmanville.....	U.S. 1921	8,731	.....	8,731	2,429	2,919	5,348	14,079
	1922	3,892	.....	3,892	1,764	3,917	5,681	9,573
	1923	5,854	.....	5,854	2,235	5,175	7,410	13,284
Brantford.....	U.S. 1921	51,154	544	51,698	29,618	11,492	41,110	92,808
	1922	37,726	890	38,616	32,524	13,532	46,056	81,672
	1923	50,497	1,158	51,655	46,176	17,361	63,537	121,192
Bridgeburg.....	U.S. 1921	47,803	163	47,966	809,107	9,261	818,368	866,334
	1922	24,990	158	25,154	814,069	3,656	817,725	842,879
	1923	34,421	1,880	36,301	882,598	16,049	898,647	931,948
Brockville.....	U.S. 1921	21,738	.....	21,738	7,753	8,204	15,962	37,700
	1922	16,358	.....	16,358	7,120	3,080	10,260	26,558
	1923	26,451	.....	26,451	9,960	5,201	15,161	41,612
Chatham.....	U.S. 1921	9,042	.....	9,042	194,443	46,067	210,510	219,552
	1922	2,998	194	3,190	134,446	30,642	165,088	168,278
	1923	5,847	129	5,976	266,564	63,973	320,537	336,513
Cobourg.....	U.S. 1921	28,238	.....	28,238	387,167	7,684	394,851	423,899
	1922	21,287	.....	21,287	254,329	6,657	266,986	292,373
	1923	33,634	.....	33,634	493,469	12,841	506,300	539,934
Collingwood.....	U.S. 1921	12,450	.....	12,450	3,563	1,986	5,549	17,999
	1922	5,721	.....	5,721	4,563	1,702	6,265	11,996
	1923	9,563	158	9,721	10,070	4,149	14,219	23,910
Cornwall.....	U.S. 1921	18,202	10,270	28,472	25,502	2,354	27,856	56,328
	1922	11,208	9,585	20,793	26,878	7,088	33,966	54,759
	1923	19,304	13,262	32,656	26,729	8,910	33,639	68,295
Deseronto.....	U.S. 1921	3,137	.....	3,137	1,382	.....	1,382	4,519
	1922	697	.....	697	686	.....	686	1,383
	1923	4,038	.....	4,038	1,640	49	1,689	5,727
Fort Frances.....	U.S. 1921	133	5	138	118,370	9,586	127,916	128,094
	1922	12	.....	12	53,924	14,158	68,082	68,094
	1923	429	.....	429	76,943	18,496	95,439	95,468
Galt.....	U.S. 1921	34,560	521	35,081	22,840	7,918	30,758	65,839
	1922	21,917	527	22,444	29,907	4,661	34,568	57,412
	1923	30,483	437	39,920	39,025	7,088	47,013	86,933
Gananoque.....	U.S. 1921	5,297	.....	5,297	4,963	564	5,527	10,824
	1922	4,404	.....	4,404	3,880	648	4,528	8,932
	1923	9,725	69	9,794	7,215	1,461	8,876	18,470
Goderich.....	U.S. 1921	31,763	54	31,817	12,414	22,325	34,739	66,556
	1922	17,783	.....	17,783	14,617	18,547	33,161	56,947
	1923	31,458	593	32,051	16,657	33,425	50,082	82,133
Guelph.....	U.S. 1921	46,413	166	46,579	44,681	17,459	62,140	108,719
	1922	30,000	53	30,062	55,810	22,048	77,858	107,920
	1923	65,363	589	55,932	59,957	22,851	82,804	138,760
Hamilton.....	U.S. 1921	210,424	5,942	216,366	445,497	88,489	533,986	750,352
	1922	105,302	12,046	117,348	485,252	104,247	589,159	706,847
	1923	237,538	18,016	253,554	770,754	168,370	939,121	1,192,678
Ingersoll.....	U.S. 1921	7,872	.....	7,872	51,337	7,627	58,964	66,836
	1922	3,579	.....	3,579	13,455	3,565	17,020	20,599
	1923	8,148	.....	8,148	13,900	4,371	18,471	26,619
Kenora.....	U.S. 1921	.....	.....	.....	.....	.....	.....	.....
	1922	.....	.....	.....	.....	.....	.....	.....
	1923	32	.....	32	.....	.....	.....	32

Table 72.—Imports into Ontario of Anthracite and Bituminous Coal by Grades and by Ports of Entry 1921, 1922 and 1923.—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.)								
Kingston.....	U.S. 1921	48,783	78	48,783	24,838	14,954	39,792	88,575
	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
Kitchener.....	U.S. 1921	54,440	512	54,952	40,121	17,383	57,504	112,456
	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
Lindsay.....	U.S. 1921	15,764	45	15,809	7,896	832	8,728	24,547
	1922	7,621	—	7,621	4,629	2,735	7,364	14,985
London.....	U.S. 1921	141,359	1,728	143,087	52,343	30,634	82,977	226,061
	1922	79,705	1,365	81,070	59,650	27,374	82,024	168,081
	1923	148,200	3,979	152,179	81,996	38,197	120,193	272,372
Midland.....	U.S. 1921	6,127	—	6,127	122,432	833	123,265	129,392
	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
Morrisburg.....	U.S. 1921	4,532	—	4,532	1,110	—	1,110	5,612
	1922	2,476	—	2,476	717	42	759	3,235
	1923	4,594	—	4,594	1,622	—	1,622	6,216
Napanee.....	U.S. 1921	10,967	—	10,967	4,351	1,950	6,391	17,268
	1922	4,100	29	4,129	2,926	4,717	7,643	11,772
	1923	9,889	225	10,114	2,534	7,516	10,450	20,161
Niagara Falls.....	U.S. 1921	108,626	580	109,186	61,899	5,795	67,694	176,589
	1922	58,763	328	59,091	25,618	12,392	38,010	97,101
	1923	99,401	1,114	100,515	33,335	25,014	58,349	158,861
North Bay.....	U.S. 1921	29,908	205	30,113	205,116	20,927	236,013	256,156
	1922	13,177	52	13,229	117,520	31,212	148,732	181,951
	1923	26,033	—	26,033	348,220	93,749	111,969	468,092
Orillia.....	G.B. 1922	—	—	—	1,777	3,217	4,994	4,994
	U.S. 1921	16,379	—	16,379	18,831	3,337	22,168	38,547
	1922	7,802	—	7,802	13,104	4,708	17,902	25,704
	1923	12,067	102	12,169	19,985	12,621	32,696	41,775
Oshawa.....	U.S. 1921	18,444	91	18,535	8,592	11,591	20,183	38,718
	1922	12,900	79	12,979	16,154	18,713	34,867	47,816
	1923	23,933	205	24,138	21,608	20,687	42,295	66,133
Ottawa.....	U.S. 1921	257,423	303	257,516	134,416	24,346	158,762	416,578
	1922	114,662	813	114,953	102,026	55,955	157,991	272,966
	1923	245,813	1,623	247,136	153,006	98,514	252,120	499,556
Owen Sound.....	G.B. 1923	1	—	1	—	—	—	1
	U.S. 1921	12,420	71	12,491	12,676	908	13,584	26,075
	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
Paris.....	U.S. 1921	12,796	174	12,970	4,942	1,904	6,936	19,305
	1922	6,507	204	6,507	8,542	655	9,197	15,704
	1923	14,124	—	14,328	12,261	1,592	13,535	28,181
Parry Sound.....	U.S. 1921	1,868	—	1,868	533,041	35,707	558,748	566,616
	1922	1,275	—	1,275	13,235	16,751	329,986	331,261
	1923	1,693	—	1,693	171,315	89,873	561,188	562,881
Peterboro.....	U.S. 1921	37,654	—	37,651	21,411	4,331	25,772	63,126
	1922	19,417	106	19,523	21,525	3,773	25,298	44,821
	1923	28,538	540	29,058	36,226	6,449	32,675	71,533
Picton.....	U.S. 1921	10,045	—	10,045	3,203	—	3,203	15,218
	1922	4,939	—	4,939	3,569	—	3,569	8,508
	1923	10,356	49	10,405	4,501	—	4,561	14,966
Port Hope.....	U.S. 1921	10,473	32	10,505	1,839	4,667	6,506	17,011
	1922	5,511	84	5,595	1,820	5,865	7,085	15,280
	1923	8,107	285	8,392	3,108	6,686	9,794	18,186
Port McNicoll.....	U.S. 1921	347	—	347	32,559	—	32,559	32,906
	1922	218	—	218	23,324	—	23,324	23,542
	1923	224	—	224	23,424	—	23,424	23,618
Prescott.....	U.S. 1921	22,481	270	22,751	289,249	20,865	319,114	341,365
	1922	14,007	64	14,071	324,264	16,858	341,122	353,193
	1923	13,434	1,437	14,871	449,161	102,479	551,640	566,511
St. Catharines.....	U.S. 1921	49,739	946	50,685	97,403	124,084	221,487	272,172
	1922	27,673	1,801	28,474	81,819	106,173	187,992	217,466
	1923	58,689	2,795	61,484	118,477	149,436	267,913	329,397
	G.B. 1922	—	—	—	1,955	—	1,935	1,935
St. Thomas.....	U.S. 1921	35,181	5,153	40,334	174,465	19,466	193,931	234,265
	1922	16,062	131	16,193	91,835	16,031	110,866	127,059
	1923	32,515	462	32,977	150,231	28,859	189,099	222,067
Sarnia.....	U.S. 1921	7,447	56	7,503	425,317	156,804	582,121	589,621
	1922	2,312	—	2,312	419,957	121,524	541,481	543,793
	1923	4,861	203	4,861	622,287	180,522	862,809	867,673

Table 72.—Imports into Ontario of Anthracite and Bituminous Coal by Grades and by Ports of Entry, 1921, 1922 and 1923—Conclu*le l.*

(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—(Cont.)								
Sault Ste. Marie.....	U.S. 1921	27,328		27,328	557,119	294,555	851,624	879,002
	1922	3,888		3,888	424,184	92,529	516,713	520,601
	1923	15,349	813	16,162	776,482	362,445	1,138,927	1,153,089
Simeoce.....	U.S. 1921	1,905		1,905	5,225	1,014	6,239	8,141
	1922	616	35	651	7,030	773	7,803	8,154
	1923	1,370		1,370	8,171	2,164	10,335	11,705
Stratford.....	U.S. 1921	58,212	142	58,354	22,675	50,471	73,148	131,500
	1922	30,619	92	30,711	25,462	48,723	71,185	101,896
	1923	60,109	758	60,867	138,905	53,083	191,988	252,855
Sudbury.....	U.S. 1921	15,050	52	15,102	3,731	823	4,554	19,656
	1922	5,923		5,923	2,894	1,466	4,360	10,283
	1923	12,003	576	12,669	10,356	4,900	15,256	27,925
	G.B. 1922		900	900				900
	1923							
Tilsonburg.....	U.S. 1921	3,103		3,103	236,016	10,326	246,342	249,445
	1922	842		842	157,490	9,238	166,728	167,570
	1923	3,124		3,124	325,399	30,415	355,814	358,938
Toronto.....	U.S. 1921	1,057,606	17,020	1,074,626	887,876	404,323	1,292,199	2,366,825
	1922	601,691	39,606	611,390	756,397	371,822	1,131,219	1,772,519
	1923	1,200,529	75,143	1,275,672	963,243	487,113	1,189,356	2,156,628
	G.B. 1923		2,243	2,243				2,243
Trenton.....	U.S. 1921	9,849		9,849	5,008	6,821	11,829	21,678
	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
Wallaceburg.....	U.S. 1921	1,928		1,928	15,719	14,826	30,545	32,473
	1922	658		658	13,233	22,943	36,126	36,834
	1923	2,792	109	2,901	13,292	30,880	44,172	47,023
Welland.....	U.S. 1921	19,115	133	19,248	102,314	33,577	135,891	155,139
	1922	12,734		12,734	105,116	44,130	119,246	161,980
	1923	24,143	1,118	25,261	198,916	77,881	276,797	302,058
Whitby.....	U.S. 1921	9,805		9,895	3,280	7,899	10,979	20,874
	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
Windsor.....	U.S. 1921	38,607	343	39,619	638,075	76,690	714,765	733,775
	1922	22,857	950	23,807	664,820	58,690	723,789	747,596
	1923	49,034	2,510	51,544	889,260	130,448	1,019,708	1,071,352
Woodstock.....	U.S. 1921	24,039	322	24,361	15,901	2,897	18,798	43,159
	1922	11,105	51	11,156	15,411	2,676	18,087	29,213
	1923	23,032	165	23,197	21,933	2,751	24,684	47,881
TOTAL FOR CENTRAL ONTARIO.....	U.S. 1921	2,763,414	45,913	2,809,327	7,904,768	1,729,060	8,733,828	11,543,155
	1922	1,516,020	70,016	1,586,036	6,035,531	1,449,793	7,485,324	9,021,360
	1923	2,925,510	134,454	3,059,961	9,049,420	2,667,878	11,717,298	14,777,262
	G.B. 1922		900	900	3,712	3,217	6,929	7,829
	1923		2,244	2,244				2,244
HEAD OF LAKES—								
Fort William.....	U.S. 1921	198,108		198,108	1,199,974	116,181	1,316,155	1,511,263
	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
Port Arthur.....	U.S. 1921	62,782		62,782	650,150	9,613	659,763	722,515
	1922	21,507		21,507	444,916	103	445,019	466,526
	1923	28,229		28,229	556,614	62,423	619,037	647,266
TOTAL HEAD OF LAKES.....	U.S. 1921	260,890		260,890	1,850,124	125,794	1,975,918	2,236,808
	1922	57,525		57,525	1,882,386	79,883	1,962,269	2,019,794
	1923	74,469	8,149	82,558	1,939,070	351,634	2,350,704	2,433,263
Total for Ontario.....	U.S. 1921	3,024,304	45,913	3,070,217	8,854,892	1,854,854	10,709,746	13,729,963
	1922	1,573,515	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	11,048,490	3,019,512	14,068,002	17,210,524
	G.B. 1922		900	900	3,712	3,217	6,929	7,829
	1923		2,244	2,244				2,244

Table 73.—Distribution of Coal through Retail Dealers in Ontario by Municipalities,
1922 and 1923

(Compiled in the Internal Trade Branch)

(Short Tons)

Cities and Towns	Years	Anthracite Coal from		Bituminous Coal from		Canadian Bituminous, Lignite and Others	Total
		United States	Great Britain	United States	Great Britain		
Acton.....	1922	972		121			1,093
	1923	1,262		462		45	1,769
Ailsa Craig.....	1922	132		52			184
	1923	389		45			434
Alliston.....	1922	1,093		203			1,296
	1923	1,157		309		82	1,548
Alvinston.....	1922	153					153
	1923	559		98		141	798
Amherstburg.....	1922	498		62			560
	1923	2,101		989			3,090
Aurora.....	1922	1,575		139			1,714
	1923	4,115		107		413	4,726
Barrie.....	1922	4,066		813			4,829
	1923	7,520		781		74	8,375
Bath.....	1922			50			50
	1923	1,566		51			1,617
Beaverton.....	1922	360					366
	1923	363					363
Beeton.....	1922	222					222
	1923	308		50			448
Belleville.....	1922	9,185		2,631			11,816
	1923	27,102		6,193			33,355
Bowmanville.....	1922	3,463		483			3,946
	1923	8,107		818		32	8,957
Brampton.....	1922	2,727		727			3,454
	1923	12,948		921		47	13,916
Brantford.....	1922	23,125		3,878		277	27,280
	1923	11,443		5,140		440	17,029
Brookville.....	1922	16,321		7,230		300	22,851
	1923	24,348		29,069			53,417
Brooklin.....	1922	832		75			907
	1923	1,187		100			1,287
Brussels.....	1922	243					243
	1923	189		123			312
Burlington.....	1922	1,065		130			2,095
	1923	2,914		740		32	3,686
Campbellville.....	1922	222					222
	1923	489					489
Casselman.....	1922	122		1,038			1,160
	1923	330		355			655
Chatham.....	1922	2,844		2,766			5,610
	1923	3,141		2,463			5,604
Chesley.....	1922	1,669		48			1,717
	1923	1,976				77	2,053
Cobourg.....	1922	3,140		1,260			4,400
	1923	4,662		1,930		30	6,622
Colborne.....	1922	521					521
	1923	1,081				32	1,113
Coldwater.....	1922	193					193
	1923	200					200
Collingwood.....	1922	2,517		2,741			5,258
	1923	3,787		1,199			4,986

Table 73.—Distribution of Coal through Retail Dealers in Ontario by Municipalities, 1922 and 1923—Continued

(Compiled in the Internal Trade Branch)

(Short Tons)

Cities and Towns	Years	Anthracite Coal from		Bituminous Coal from		Canadian Bituminous, Lignite and Others	Total
		United States	Great Britain	United States	Great Britain		
Cornwall.....	1922	6,806	236	633	.....	104	7,579
	1923	10,571	38	769	.....	130	11,598
Drayton.....	1922	488	.....	185	.....	.....	488
	1923	850	.....	.....	.....	.....	1,035
Dundas.....	1922	2,527	102	794	.....	90	3,513
	1923	6,310	.....	922	.....	45	7,277
Elmira.....	1922	1,430	.....	192	.....	.....	1,622
	1923	3,512	.....	648	.....	.....	4,160
Elora.....	1922	1,430	.....	130	.....	.....	1,560
	1923	2,589	.....	48	.....	2,414	5,591
Embrum.....	1922	.....	.....	.....	.....	.....	.....
	1923	32	.....	.....	.....	.....	32
Ethel.....	1922	33	.....	.....	.....	28	61
	1923	72	.....	.....	.....	.....	72
Exeter.....	1922	1,071	.....	150	.....	.....	1,221
	1923	2,299	.....	538	.....	130	2,967
Finch.....	1922	251	.....	.....	.....	.....	251
	1923	345	.....	.....	.....	.....	345
Forest.....	1922	1,096	.....	91	.....	.....	1,187
	1923	1,880	.....	94	.....	.....	1,974
Fort William.....	1922	25,138	.....	35,943	.....	1,825	62,906
	1923	23,822	.....	127,008	.....	4,884	155,714
Galt.....	1922	7,792	.....	1,179	.....	74	9,845
	1923	13,383	.....	1,952	.....	64	15,399
Georgetown.....	1922	1,723	.....	465	.....	.....	2,188
	1923	2,850	.....	986	.....	.....	3,836
Glencoe.....	1922	434	.....	32	.....	.....	434
	1923	1,344	.....	.....	.....	.....	1,376
Goderich.....	1922	2,709	.....	380	.....	.....	3,092
	1923	2,401	.....	876	.....	.....	3,277
Granton.....	1922	802	.....	141	.....	.....	943
	1923	1,326	.....	132	.....	.....	1,458
Grimsby.....	1922	3,200	.....	231	.....	.....	3,431
	1923	4,244	.....	45	.....	.....	4,289
Guelph.....	1922	14,542	.....	3,966	.....	30	18,538
	1923	23,506	.....	4,683	.....	1,163	29,332
Hagersville.....	1922	308	.....	187	.....	.....	495
	1923	764	.....	298	.....	.....	1,062
Hamilton.....	1922	70,824	.....	64,418	.....	3,003	147,215
	1923	115,532	.....	42,831	.....	4,087	163,069
Harriston.....	1922	260	.....	.....	.....	.....	260
	1923	611	.....	.....	.....	76	687
Ingersoll.....	1922	2,942	.....	1,183	.....	.....	4,125
	1923	6,071	.....	1,476	.....	157	7,704
Kemptville.....	1922	789	200	142	.....	45	1,176
	1923	1,613	.....	438	.....	.....	2,051
Kingston.....	1922	31,445	.....	2,234	.....	.....	33,679
	1923	60,525	.....	3,341	.....	180	54,046
Kitchener.....	1922	10,215	.....	3,761	.....	179	14,135
	1923	22,325	.....	5,617	.....	188	28,130
Lindsey.....	1922	2,978	.....	743	.....	.....	3,721
	1923	2,680	.....	352	.....	.....	3,082

Table 73.—Distribution of Coal through Retail Dealers in Ontario by Municipalities,
1922 and 1923—Continued

(Compiled in the Internal Trade Branch)

(Short Tons)

Cities and Towns	Years	Anthracite Coal from		Bituminous Coal from		Canadian Bituminous, Lignite and Others	Total
		United States	Great Britain	United States	Great Britain		
Listowel.....	1922	2,367		291		50	2,708
	1923	4,650		1,725		621	6,996
London.....	1922	49,707		18,595		95	68,397
	1923	95,036		45,356		2,247	142,639
Markham.....	1922	1,425		184			1,609
	1923	2,300		355			2,653
Midland.....	1922	4,361		33,407		4,200	42,058
	1923	6,025		25,010		143	31,178
Millbrook.....	1922	453		44			453
	1923	622					666
Milverton.....	1922	1,043		153			1,196
	1923	1,977		185			2,162
Mount Forest.....	1922	858		203			1,061
	1923	1,798		262			2,060
Napanee.....	1922	2,330		437			2,767
	1923	6,295		706			7,901
Neustadt.....	1922	363				54	363
	1923	398					452
New Hamburg.....	1922	1,740		158			1,888
	1923	2,723		182		199	3,104
Newmarket.....	1922	4,168		221			4,389
	1923	4,077		578		205	4,860
Niagara Falls.....	1922	7,640		2,221			9,861
	1923	7,299		1,680		46	9,025
North Bay.....	1922	5,705		1,070			6,775
	1923	4,185		1,727		44	5,956
Oakville.....	1922	3,370		783			4,153
	1923	7,587		1,200			8,787
Orillia.....	1922	4,552		1,238			5,790
	1923	7,878		1,962		294	10,134
Oshawa.....	1922	6,069		646			6,715
	1923	8,607		371		250	9,228
Ottawa.....	1922	70,500	8,442	16,550	186	10,855	106,533
	1923	147,573	162	18,894		19,404	186,133
Otterville.....	1922	348					348
	1923	473					473
Owen Sound.....	1922	4,462		3,011		40	7,513
	1923	7,189		6,147		180	13,516
Palmerston.....	1922	1,000		96			1,096
	1923	2,758		43		128	2,929
Penetanguishene.....	1922	225		220			445
	1923	639		324			963
Perth.....	1922	3,215	194	409			3,818
	1923	4,764					4,764
Peterboro.....	1922	16,934		5,256		321	22,511
	1923	27,364	49	6,045		587	34,945
Picton.....	1922	3,595		754			4,349
	1923	5,404		769		98	6,271
Port Arthur.....	1922	4,923		3,428		1,055	9,406
	1923	2,205		856		1,175	4,236
Port Dalhousie.....	1922	1,692		6,278			7,970
	1923	3,390		6,661		110	10,161

Table 73.—Distribution of Coal through Retail Dealers in Ontario by Municipalities,
1922 and 1923—Continued
(Compiled in the Internal Trade Branch)
(Short Tons)

Cities and Towns	Years	Anthracite Coal from		Bituminous Coal from		Canadian Bituminous, Lignite and Others	Total
		United States	Great Britain	United States	Great Britain		
Port Elgin.....	1922	561					561
	1923	1,087		44			1,131
Port Hope.....	1922	2,990		189		32	3,211
	1923	3,567		712			4,279
Port Perry.....	1922	701					701
	1923	1,795		217		73	2,085
Prescott.....	1922	3,030		622			4,552
	1923	6,215		1,161			7,376
Preston.....	1922	5,410		540			5,950
	1923	8,927		766		65	9,758
St. Catharines.....	1922	9,580		1,662			11,242
	1923	26,255		1,503		791	28,549
St. Marys.....	1922	8,008		316			8,124
	1923	9,967		561		182	10,710
St. Thomas.....	1922	10,393		2,192		51	12,636
	1923	20,574		1,385		50	22,009
Sarnia.....	1922	1,886		3,359			5,245
	1923	2,715		3,647		32	6,394
Sault Ste. Marie.....	1922	3,461		8,443			11,904
	1923	8,851		8,510		107	17,168
Seaford.....	1922	1,632					1,632
	1923	3,553		191		161	3,905
Shelburne.....	1922	1,061					1,061
	1923	1,743		169			1,912
Smiths Falls.....	1922	1,783		285			2,078
	1923	5,974		520			6,494
Stoney Point.....	1922	71		57			128
	1923	32		35			67
Stratford.....	1922	12,250		2,655			14,905
	1923	20,504		3,458		191	24,153
Strathroy.....	1922	2,795		1,005		74	3,874
	1923	3,943		1,581		339	5,863
Sudbury.....	1922	4,385		2,767		266	7,418
	1923	6,203		6,631		1,140	13,374
Tavistock.....	1922	1,190		152			1,342
	1923	2,091		88		156	2,935
Toronto.....	1922	350,753	11,507	216,758		646	579,724
	1923	581,610		170,314		817	752,747
Trenton.....	1922	3,491		402			3,883
	1923	4,420		378		38	4,831
Tweed.....	1922	266		29			293
	1923	506		173			679
Uxbridge.....	1922	529					529
	1923	722					722
Vankleek Hill.....	1922	377					377
	1923	858					858
Walkerton.....	1922	1,201		150			1,331
	1923	2,657		379			3,036
Wallaceburg.....	1922	170		561		54	785
	1923	325		383			708
Waterloo.....	1922	5,924		3,842			9,766
	1923	24,898		5,238		48	38,184

Table 73—Distribution of Coal through Retail Dealers in Ontario by Municipalities, 1922 and 1923—Concluded
 (Composed in the Internal Trade Branch)
 (Short Tons)

Cities and Towns	Years	Anthracite Coal from		Bituminous Coal from		Canadian Bituminous, Lignite and Others	Total
		United States	Great Britain	United States	Great Britain		
Watford.....	1922	920	.....	69	.....	.....	989
	1923	1,130	.....	263	.....	.....	1,393
Welland.....	1922	3,660	.....	648	.....	202	4,510
	1923	4,413	.....	536	.....	2,946	7,895
Whitby.....	1922	650	.....	90	.....	.....	749
	1923	3,231	.....	151	.....	.....	3,382
Wiarton.....	1922	284	.....	.....	.....	.....	284
	1923	.....	.....	.....	.....	.....	.....
Winchester.....	1922	850	.....	87	.....	.....	946
	1923	1,328	.....	.....	.....	.....	1,328
Windsor.....	1922	6,665	41	5,951	37	.....	12,694
	1923	10,181	.....	10,823	.....	.....	21,004
Wingham.....	1922	510	.....	50	.....	.....	560
	1923	2,045	.....	802	.....	.....	2,847
Woodstock.....	1922	6,899	.....	4,552	.....	40	11,491
	1923	8,851	.....	1,479	.....	165	10,495
Other municipalities.....	1922	140,391	1,515	28,424	70	4,322	174,731
	1923	240,039	529	48,633	102	8,917	298,220
Totals.....		1,074,058	22,297	529,323	302	28,348	1,654,328
		1,809,883	778	637,223	102	57,575	2,565,561

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 the coal dumped at these ports finds its way into the province of Manitoba. In 1921, Manitoba received 676,000 tons of Canadian coal from western provinces and 110,000 tons of United States coal through the customs ports of Manitoba. Importations of United States coal through Fort William, Port Arthur and the customs ports of Manitoba, however, showed that 2,347,000 tons was brought in, and 688,000 tons of Canadian coal was received in this area. The imported coal was made up of 2,052,000 tons of bituminous and 294,000 tons of anthracite. In 1922, the apparent consumption of coal in the province of Manitoba (including receipts at the head of the lakes) was approximately 200,000 tons less than in the preceding year. Canadian coal received amounted to 720,000 tons, while importations of United States coal were 2,109,357 tons.

The total amount of coal made available during 1923 for consumption in Manitoba and the part of Ontario west of the Great Lakes was 3,377,987 tons and included 784,948 tons of Canadian coal, 138,414 tons of United States anthracite, and 2,462,838 tons of United States bituminous coal. Imports of anthracite coal from the United States in 1922 amounted to 72,240 tons. Table 74 shows in detail the small tonnages of Canadian coal exported through Manitoba ports in the past three years. Table 76 shows the imports of anthracite and bituminous coal from the United States received at Manitoba ports of entry during the past three years. For convenience there has been included a statement of the receipts at the head of the lakes and a separate total has been made to show the imports of coal into Manitoba and the ports at the head of the lakes combined. A further analysis of the coal statistics for this area has been made in Table 75 and in Table 77 the distribution of coal by the retail dealers in Manitoba has been shown for the past two years by grades for each principal municipality.

Table 74.—Exports of Canadian Coal through Manitoba Ports, 1921, 1922 and 1923
(Short tons)

Port	1921	1922	1923
Brandon.....	5	180	265
Emerson.....	1,160	1,258	4,571
Gretna.....	425	331	2,651
Winnipeg.....	100	313	726
Total.....	1,690	2,982	8,213

Table 75.—Summary Statistics for 1921, 1922 and 1923.—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.....	1921 384		33,473	33,857
	1922 10		14,715	14,725
	1923		55,856	55,856
Bituminous.....	1921 110,858	1,690	76,833	186,001
	1922 93,683	2,082	74,848	186,449
	1923 22,269	8,213	112,134	126,190
Sub-Bituminous.....	1921			
	1922			
	1923 61,064			61,064
Lignite.....	1921 564,954			564,954
	1922 604,468			604,468
	1923 701,615			701,615
Total.....	1921 676,196	1,690	118,306	784,812
	1922 698,161	2,082	82,163	785,642
	1923 784,948	8,213	167,999	944,725
HEAD OF LAKES—				
Anthracite.....	1921		260,890	260,890
	1922		57,525	57,525
	1923		82,558	82,558
Bituminous.....	1921 4,375		1,975,918	1,980,293
	1922 924		1,982,269	1,963,193
	1923 *		2,350,704	2,350,704
Sub-Bituminous.....	1921			
	1922			
	1923 *			
Lignite.....	1921 7,529			7,529
	1922 21,019			21,019
	1923 *			
Total.....	1921 11,904		2,236,808	2,248,712
	1922 21,943		2,619,794	2,641,137
	1923		2,433,262	2,433,262
MANITOBA AND HEAD OF LAKES—				
Anthracite.....	1921 384		294,363	294,747
	1922 10		72,240	72,250
	1923		138,414	138,414
Bituminous.....	1921 115,233	1,690	2,052,751	2,106,294
	1922 94,607	2,082	2,037,117	2,129,642
	1923 22,269	8,213	2,462,838	2,478,894
Sub-Bituminous.....	1921			
	1922			
	1923 61,064			61,064
Lignite.....	1921 572,483			572,483
	1922 625,487			625,487
	1923 701,615			701,615
Total.....	1921 688,100	1,690	2,347,114	3,033,521
	1922 729,104	2,082	2,109,357	2,827,379
	1923 784,948	8,213	2,601,352	3,377,987

*See Central Ontario, Table No. 00.

Table 76.—Imports into Manitoba and the Head of the Lakes, of Anthracite and Bituminous Coal by Grades and Ports of Entry, 1921, 1922 and 1923

(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.... 1921	653		653	1,565	7,182	8,747	9,400
	1922	194	30	224	2,618	7,927	10,545	10,769
	1923	1,652		1,652	3,685	9,136	12,821	11,473
Emerson.....	U.S.... 1921	290		290	92		92	382
	1922				133		133	133
	1923	790		790	123		123	913
Gretna.....	U.S.... 1921	1,062		1,062	1,408	2	1,470	2,532
	1922	301		301	898	372	1,270	1,571
	1923	2,166		2,166	1,619	14	1,633	3,799
Portage la Prairie.....	U.S.... 1921	666		666	39	2,588	2,627	1,293
	1922	98	32	130	313	3,051	3,364	3,194
	1923	838	64	902	30	3,300	3,330	4,232
Winnipeg.....	U.S.... 1921	28,053	2,749	30,802	22,651	41,246	63,897	94,699
	1922	10,382	3,678	11,060	25,529	34,007	59,536	73,596
	1923	48,844	1,502	50,346	28,871	65,356	94,227	144,573
Total for Manitoba	U.S.... 1921	30,724	2,749	33,473	25,815	51,818	76,833	110,306
	1922	10,975	3,740	14,715	29,491	45,357	74,848	89,563
	1923	51,290	1,566	55,856	34,328	77,896	112,134	167,990
HEAD OF LAKES—								
Fort William.....	U.S.... 1921	108,108		108,108	1,109,974	116,181	1,316,155	1,514,263
	1922	36,018		36,018	1,437,470	79,780	1,517,250	1,553,268
	1923	46,180	8,149	54,329	1,442,456	289,211	1,731,667	1,785,996
Port Arthur.....	U.S.... 1921	62,782		62,782	650,150	9,613	659,763	722,515
	1922	21,507		21,507	444,016	103	445,019	466,516
	1923	28,229		28,229	556,614	82,423	619,037	617,266
Total, Head of Lakes	U.S.... 1921	260,890		260,890	1,850,124	125,794	1,975,918	2,236,808
	1922	57,325		57,325	1,882,396	79,883	1,962,269	2,019,794
	1923	74,109	8,149	82,558	1,999,070	351,634	2,350,704	2,433,262
Total for Manitoba and Head of Lakes	U.S.... 1921	291,611	2,749	294,363	1,875,939	176,812	2,052,751	2,347,114
	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	129,410	2,162,838	2,601,252

Table 77.—Distribution of Coal through Retail Dealers in Manitoba by Municipalities, 1922 and 1923

(Compiled in the Internal Trade Branch)

(Short tons)

Cities or Towns	Year	Anthracite Coal from		Bituminous Coal from		Canadian Bituminous, Lignite and Others	Total
		United States	Great Britain	United States	Great Britain		
Brandon.....	1922	1,224			1,283		38,336
	1923	822			180		42,310
Deloraine.....	1922	209					1,276
	1923	67					580
Elgin.....	1922	139					1,366
	1923	94					1,087
Grandview.....	1922						176
	1923						164

Table 77.—Distribution of Coal through Retail Dealers in Manitoba by Municipalities, 1922 and 1923—Concluded

(Compiled in the Internal Trade Branch)

(Short Tons)

Cities or Towns	Year	Anthracite Coal from		Bituminous Coal from		Canadian Bituminous, Lignite and Others	Total
		United States	Great Britain	United States	Great Britain		
Gretna.....	1922	784				1,163	1,948
	1923	423				1,098	1,521
Hamiota.....	1922	502				1,848	2,350
	1923	126				1,051	1,177
Portage la Prairie.....	1922	652		1,433		14,784	16,869
	1923	568		382		12,776	13,726
Souris.....	1922	319				4,044	4,363
	1923	257				6,191	6,448
Treherne.....	1922	192		11		693	896
	1923	62		4		588	654
Winkler.....	1922	1,204		34		11,309	12,547
	1923	264				3,000	3,264
Winnipeg.....	1922	28,080		59,152		123,117	210,349
	1923	24,690		54,911		148,155	227,756
Other Municipalities.....	1922	12,624		3,497		84,096	100,217
	1923	8,236		4,454		85,694	98,384
Total.....	1922	45,929		65,410		282,209	393,518
	1923	35,609		59,931		302,694	398,234

CHAPTER EIGHT

SASKATCHEWAN

Output and Disposition.—The output of coal from Saskatchewan is slowly increasing every year, and in 1923 there was established a high record of 438,100 tons. Table 78 shows the history of coal production in the province since the year 1887. The hundred thousand mark was reached in 1903 and since that year there has been a very gradual increase in output. Since the number of producers totalled 61, it would appear that much of the output is mined and disposed of locally, only one company producing about 100,000 tons. The output by principal collieries is shown in Table 79 for the past three years.

Seventy-five per cent of the possible output was produced, and most of the tonnage lost was due to lack of orders. An analysis of the tonnage lost has been compiled in Table 80.

The tables showing shipments of coal indicate that while the shipments to Manitoba have increased slightly, the demands of the railways have rapidly expanded. In 1921, the railways used 303 tons of Saskatchewan coal; in 1922, the total was 6,797 tons, and in 1923 the figure had increased to 14,488 tons. Direct shipments to United States points, which were around 1,500 tons in 1922, dropped in the following year to 223 tons. The exports of coal as cleared through the customs ports of Moose Jaw, North Portal and Regina, shown in Table 83, undoubtedly include considerable quantities of Alberta coal exported via Saskatchewan ports of exit, and the figures in this table will therefore not agree with the quantities reported by the producers as shipped direct to the United States.

Table 78.—Output of Coal from Saskatchewan Mines, 1887-1923

Calendar Year		Short tons	Value	Calendar Year		Short tons	Value
1887.....	(a)	400	\$ 800	1906.....		108,398	164,146
1890.....		200	200	1907.....		151,232	252,437
1891.....				1908.....		150,556	253,790
1892.....		5,400	9,325	1909.....		192,125	296,339
1893.....		8,325	12,485	1910.....		181,156	293,023
1894.....	(b)	15,051	15,153	1911.....		205,779	347,248
1895.....		15,769	31,538	1912.....		225,342	368,135
1896.....		16,706	25,059	1913.....		212,897	358,192
1897.....		25,000	37,500	1914.....		232,299	374,245
1898.....		25,000	37,500	1915.....		240,107	365,246
1899.....		25,000	37,500	1916.....		281,300	441,836
1900.....		40,500	60,750	1917.....		355,445	662,451
1901.....		45,000	72,000	1918.....		345,847	722,148
1902.....		70,400	112,640	*1919.....		379,347	819,390
1903.....		116,703	169,618	*1920.....		335,222	797,828
1904.....		124,885	187,021	*1921.....		335,632	823,180
1905.....		107,596	152,334	*1922.....		382,437	802,053
				*1923.....		433,100	858,448
				Total.....		5,397,156	9,962,458

(a) From Turtle Mountain district, Manitoba.

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

*For the years 1919-1923 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 79.—Output of Coal by Principal Collieries in Saskatchewan for 1921, 1922 and 1923.—(Average of 500 tons or more per month)

(Short Tons)

Name	Address	1921	1922	1923
Bienfait Mine.....	Bienfait, Sask.	44,927	74,542	97,067
Big Lump Coal Co. (formerly Bourguin & Smith).....	Estevan.....		708	7,368
Crescent Collieries, Ltd.....	Bienfait.....	35,801	39,190	57,946
Eastern Collieries of Bienfait, Ltd.....	Estevan.....			4,235
Estevan Coal and Brick Co., Ltd.....	Estevan, Box 210.....	6,495	771	3,947
Lignite Coal Mines, Ltd. (formerly Andrew A. Miller).....	c/o T. P. Roberts, Taylorton.....	336	1,089	14,879
Manitoba and Saskatchewan Coal Co., Ltd.....	503 Ave. Block, Winnipeg, Man.	57,165	57,825	60,952
A. Nee.....	Estevan.....		2,375	4,742
Nicholson, H.....	Estevan.....	5,416	3,903	1,457
Pierce McCallum, Ltd. (formerly Bienfait Commercial Co.).....	Bienfait.....	28,970	18,178	31,172
Shand Coal and Brick Co.....	Shand.....	14,285	19,047	20,965
Western Dominion Collieries.....	305 Trust and Loan Bldg., Winnipeg, Man.....	108,712	124,911	99,213
Western Collieries, Ltd.....	Roche Percée.....	4,328	4,088	2,717
All other operators.....		29,188	35,810	31,440
Total.....			335,632	382,437
				438,100

Table 80.—Tonnage Lost in Saskatchewan Coal Mines, showing the Relative Percentages Produced and Lost, with an Analysis of the Percentages Lost, 1922 and 1923

Year	Percent Produced	Percent 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

Table 81.—Disposition of Coal from Saskatchewan Mines, by Grades, 1922 and 1923

(Short Tons)

Disposition	1922				1923			
	Run-of-mine	Lump	Slack	Total coal	Run-of-mine	Lump	Slack	Total coal
Supplied to employees for domestic consumption.....	2,729	1,303	63	4,095	2,235	1,763	.....	3,998
Used under colliery boilers, etc.....	1,941	.....	13,661	15,602	2,087	40	18,593	20,720
Used by company's railroads.....	3,666	.....	.....	3,666	2,067	.....	.....	2,967
Shipped (See Table 82).....	208,035	101,558	45,408	353,901	266,155	87,458	53,809	407,422
Used in making coke at colliery.....	.....	.....	.....	.....	.....	.....	.....	.....
Used in making briquettes.....	.....	.....	.....	.....	.....	.....	.....	.....
Put on bank.....	1,182	2,507	30	3,719	4,873	170	120	5,163
Put on waste heap.....	5	.....	2,944	2,949	79	.....	2,616	2,695
Total Disposition	218,458	105,368	42,106	385,932	273,396	89,431	75,138	412,965
Lifted from bank.....	1,073	2,085	337	3,495	4,844	21	.....	4,865
Total Output	217,385	103,283	41,769	382,437	273,552	89,410	75,138	438,100

Table 82.—Shipments of Coal from Saskatchewan Mines, by Grades and Destination, 1922 and 1923

(Short Tons)

Destination	1922				1923			
	Run-of-mine	Lump	Slack	Total coal	Run-of-mine	Lump	Slack	Total coal
Saskatchewan.....	107,526	59,383	10,834	177,743	113,272	47,130	12,372	172,774
Alberta.....	588	.....	.....	588	.....	.....	.....	.....
British Columbia.....	1,759	.....	.....	1,759	.....	.....	.....	.....
Manitoba.....	91,252	42,067	34,039	167,358	130,938	39,587	39,861	219,386
Ontario.....	.....	108	.....	108	.....	551	.....	551
United States.....	1,548	.....	.....	1,548	33	190	.....	223
Railroads.....	6,262	.....	535	6,797	12,912	.....	1,576	14,488
Total	208,935	101,558	45,408	353,901	266,155	87,458	53,809	407,423

Table 83.—Exports of Canadian Coal through Saskatchewan Ports, 1921, 1922 and 1923

(Short Tons)

Port	1921	1922	1923
Moose Jaw.....	120	.....	.....
North Portal.....	2,519	3,703	4,204
Regina.....	3	1,337	7,306
Total	2,633	5,040	11,510

Employees, Salaries and Wages.—An inspection of the tables on employment statistics and wages paid readily indicates the gradual improvement in mining conditions during 1923. While salaried employees increased only slightly in number, there was a distinct gain in the number of wage-earners employed and also in total wages paid. These statistics are all shown in Tables 84, 85, and 86.

Table 84.—Salaried Employees and Salaries Paid on the Coal Mine Staffs in Saskatchewan, 1922 and 1923

	1922			1923		
	Male	Female	Total salaries	Male	Female	Total salaries
Salaried officers of corporation.....	3		\$ 12,400	3		\$ 11,200
General superintendents and managers.....	11		29,290	14		32,930
Technical experts and accountants.....	7		8,295	6		7,465
Clerks, stenographers and salesmen.....	10	1	16,583	11	3	17,416
Total	31	1	66,568	34	3	69,011

Table 85.—Number of Employees, Work Done, by Months and Wages Paid in Saskatchewan Coal Mines in 1923, with comparative totals for 1922

Month	Number of Employees			Days' Work Done			Total Wages Paid
	Surface	Under-ground	Total	Surface	Under-ground	Total	
1923							\$ Not reported by months
January.....	141	478	619	3,276	10,557	13,833	
February.....	129	460	589	2,454	8,604	11,058	
March.....	131	415	546	2,633	8,256	10,889	
April.....	119	313	432	1,661	5,270	6,931	
May.....	104	267	371	1,755	3,561	5,316	
June.....	118	242	360	1,874	3,258	5,132	
July.....	109	241	350	2,033	3,765	5,798	
August.....	99	262	361	1,802	4,153	5,955	
September.....	112	290	402	1,930	5,512	7,442	
October.....	144	455	599	3,504	10,481	13,185	
November.....	109	579	748	3,798	13,529	17,327	
December.....	143	549	692	2,763	10,330	13,093	
Total			29,483		87,276	116,759	\$529,383
Average	126	379	505	233 days per year	230 days per year	231 days per year	\$1.53 per day
Total					26,841	77,941	104,785
Average	115	345	460	233 days per year	226 days per year	228 days per year	\$1.12 per day

Table 86.—Average Number of Employees in Saskatchewan Coal Mines, by Classes, 1922 and 1923

Classification	Surface	Under-ground	Total	Surface	Under-ground	Total
SURFACE—						
Administration.....	10	2	12	10	1	11
Foremen and clerks.....	13	1	14	16	2	18
Screenmen and loaders.....	10		19	28		28
UNDERGROUND—						
Officials.....		6	6	1	7	8
Hand cutters and helpers.....	1	250	251			266
Machine cutters.....		3	3			5
Machine loaders and helpers.....		8	8	1	10	11
Horse haulage employees.....	5	37	42	2	43	45
Mechanical haulage employees.....	2	3	5	2	7	9
Ventilation employees.....						
Roadmakers.....		6	6			11
Timbermen.....		12	12			13
Pumpmen.....		7	7			10
MISCELLANEOUS						
Enginemen.....	8		8	11		11
Firemen.....	8		8	12		12
Machinists.....	2		2	3		3
Carpenters and masons.....	6		6	6		6
Other mechanics.....	5	1	6	3		3
All other employees.....	36	9	45	31	4	35
Total	115	345	460	126	379	505

Imports and Distribution.—The remaining tables covers imports and distribution, and while the data are not of striking importance, it may be mentioned that even with the increased output of domestic coal, the imports of anthracite increased from 231 tons in 1922 to 2,291 tons in 1923. Imports of other grades also increased.

Table 87.—Imports into Saskatchewan of Anthracite and Bituminous Coal by Grades and by Ports of Entry, 1921, 1922 and 1923

(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. 1921	121		121	500	601	1,101	1,222
	1922	111		111	217	249	466	577
	1923	1,609		1,609	327	359	686	2,295
North Portal	U.S. 1921				39		39	39
	1922				69		69	69
	1923	98		98	58		58	156
Prince Albert	U.S. 1921					162	162	162
	1922					115	115	115
	1923	82		82	36	155	191	273
Regina	U.S. 1921	133		133	71	379	450	583
	1922		120	120	77	317	394	514
	1923	150	166	325		279	279	604
Saskatoon	U.S. 1921				35	340	375	375
	1922				22	418	440	440
	1923	177		177		393	393	570
Total	U.S. 1921	254		254	645	1,482	2,127	2,381
	1922	111	120	231	385	1,099	1,484	1,715
	1923	2,125	166	2,291	421	1,186	1,607	3,898

Table 88.—Distribution of Coal through Retail Dealers in Saskatchewan, 1922 and 1923

(Compiled in the Internal Trade Branch)

(Short Tons)

Cities and Towns	Years	Anthracite Coal from		Bituminous Coal from		Canadian Bituminous, Lignite and Others	Total
		United States	Great Britain	United States	Great Britain		
Abbey	1922	45				1,519	1,564
	1923					1,722	1,722
Aberdeen	1922	31				1,603	1,634
	1923	34				1,750	1,784
Alsask.	1922					921	921
	1923					690	690
Aneroid	1922					1,730	1,730
	1923					1,230	1,230
Antler	1922	59				989	1,048
	1923	30				481	511
Arcola	1922					2,399	2,399
	1923					2,182	2,182
Ardath	1922					1,036	1,036
	1923					646	646
Asquith	1922					1,345	1,345
	1923					506	506

Table 88.—Distribution of Coal through Retail Dealers in Saskatchewan, 1922 and 1923—Continued

(Compiled in the Internal Trade Branch)

(Short Tons)

Cities and Towns	Years	Anthracite Coal from		Bituminous Coal from		Canadian Bituminous, Lignite and Others	Total
		United States	Great Britain	United States	Great Britain		
Assiniboia.....	1922	102				4,449	4,551
	1923	97				2,799	2,896
Aylesbury.....	1922		32			1,667	1,699
	1923					1,508	1,598
Balcarres.....	1922		40			1,079	1,119
	1923					637	637
Bengough.....	1922					82	82
	1923					323	323
Bethune.....	1922					672	672
	1923		50			481	531
Biggar.....	1922				740	3,950	4,690
	1923		32		30	4,486	4,548
Borden.....	1922		32			1,169	1,201
	1923					751	751
Bradwell.....	1922					548	548
	1923					507	507
Broadview.....	1922		148			1,074	1,222
	1923		72			1,074	1,146
Brock.....	1922					1,113	1,113
	1923					1,233	1,233
Broderick.....	1922					1,179	1,179
	1923					870	870
Brownlee.....	1922					1,048	1,048
	1923					652	652
Cabri.....	1922					3,303	3,383
	1923		33			3,654	3,687
Cadillac.....	1922		33			1,944	1,977
	1923		32			1,292	1,324
Carievale.....	1922				73	1,421	1,494
	1923					1,240	1,240
Carmichael.....	1922					1,259	1,259
	1923					977	977
Central Butte.....	1922		33			1,501	1,534
	1923		31			1,053	1,054
Ceylon.....	1922					818	818
	1923					581	581
Conquest.....	1922					1,257	1,257
	1923				111	942	1,053
Consul.....	1922					305	305
	1923					227	227
Craik.....	1922		99			3,699	3,798
	1923		57			3,421	3,478
Cupar.....	1922		102			2,215	2,317
	1923		40			1,609	1,649
Denholm.....	1922		28			471	499
	1923					626	626
Dilke.....	1922		96			999	1,095
	1923		40			211	251
Dinsmore.....	1922		32			802	834
	1923		32			818	851
Donovan.....	1922					464	464
	1923					428	428

Table 88.—Distribution of Coal through Retail Dealers in Saskatchewan, 1922 and
1923—Continued

(Compiled in the Internal Trade Branch)
(Short Tons)

Cities and Towns	Years	Anthracite Coal from		Bituminous Coal from		Canadian Bituminous, Lignite and Others	Total
		United States	Great Britain	United States	Great Britain		
Drake.....	1922	31	.....	.....	.....	600	631
	1923	.....	.....	.....	.....	538	538
Dunblane.....	1922	.....	.....	.....	.....	636	636
	1923	.....	.....	.....	.....	601	601
Earl Grey.....	1922	34	.....	.....	.....	1,335	1,369
	1923	22	.....	.....	.....	1,344	1,366
East End.....	1922	73	.....	.....	.....	2,749	2,822
	1923	.....	.....	.....	.....	2,254	2,254
Eatonia.....	1922	.....	.....	.....	.....	750	750
	1923	.....	.....	.....	.....	577	577
Elbow.....	1922	.....	.....	.....	.....	1,341	1,341
	1923	.....	.....	.....	.....	1,489	1,489
Elrose.....	1922	73	.....	18	.....	2,163	2,254
	1923	.....	.....	.....	.....	1,540	1,540
Ernfold.....	1922	.....	.....	.....	.....	654	654
	1923	.....	.....	.....	.....	517	517
Eston.....	1922	.....	.....	.....	.....	1,173	1,173
	1923	30	.....	.....	.....	301	331
Estuary.....	1922	.....	.....	.....	.....	375	375
	1923	.....	.....	.....	.....	252	252
Eyebrow.....	1922	48	.....	.....	.....	1,606	1,654
	1923	.....	.....	.....	.....	45	45
Fielding.....	1922	.....	.....	.....	.....	322	322
	1923	.....	.....	.....	.....	333	333
Filmore.....	1922	42	.....	.....	.....	1,622	1,664
	1923	34	.....	.....	.....	1,366	1,400
Fiske.....	1922	.....	.....	.....	.....	474	474
	1923	.....	.....	.....	.....	451	451
Flaxcombe.....	1922	.....	.....	.....	.....	651	651
	1923	.....	.....	.....	.....	531	531
Forgan.....	1922	.....	.....	.....	.....	496	496
	1923	.....	.....	.....	.....	357	357
Forget.....	1922	.....	.....	28	.....	1,265	1,293
	1923	.....	.....	.....	.....	879	879
Gilroy.....	1922	.....	.....	.....	.....	747	747
	1923	.....	.....	.....	.....	468	468
Girvan.....	1922	.....	.....	.....	.....	1,669	1,669
	1923	.....	.....	.....	.....	1,636	1,636
Glen Ewan.....	1922	.....	.....	.....	.....	1,617	1,617
	1923	.....	.....	.....	.....	1,570	1,570
Gouverneur.....	1922	.....	.....	.....	.....	597	597
	1923	.....	.....	.....	.....	770	770
Govan.....	1922	157	.....	.....	36	3,386	3,543
	1923	108	.....	.....	.....	2,831	2,975
Gravelburg.....	1922	30	.....	.....	.....	3,123	3,153
	1923	.....	.....	.....	.....	1,934	1,934
Guernsey.....	1922	31	.....	.....	.....	1,107	1,138
	1923	.....	.....	.....	.....	896	896
Gull Lake.....	1922	62	.....	.....	.....	3,605	3,667
	1923	33	.....	.....	.....	4,347	4,380
Hafford.....	1922	.....	.....	.....	.....	511	511
	1923	.....	.....	.....	.....	439	439

Table 88.—Distribution of Coal through Retail Dealers in Saskatchewan 1922 and 1923—Continued

(Compiled by the Internal Trade Branch)

(Short Tons)

Cities and Towns	Years	Anthracite Coal from		Bituminous Coal from		Canadian Bituminous, Lignite and Others	Total
		United States	Great Britain	United States	Great Britain		
Hanley.....	1922	93				1,325	1,418
	1923	30				1,117	1,147
Harris.....	1922	77				2,707	2,874
	1923					1,930	1,930
Hatton.....	1922					2,173	2,173
	1923					1,070	1,070
Hawarden.....	1922	33				1,111	1,144
	1923					1,509	1,509
Hazenmore.....	1922	33				2,306	2,429
	1923					1,764	1,764
Herbert.....	1922	34				3,415	3,449
	1923					2,189	2,189
Holdfast.....	1922	64				1,741	1,805
	1923					713	713
Howell.....	1922					179	179
	1923						
Hughton.....	1922					840	840
	1923					125	125
Humboldt.....	1922	31				3,437	3,468
	1923					2,573	2,573
Imperial.....	1922	186				3,131	3,317
	1923	68				1,673	1,741
Indian Head.....	1922	407				3,443	3,940
	1923	95				2,933	3,028
Kandahar.....	1922					496	496
	1923					334	334
Keeler.....	1922					1,054	1,054
	1923					737	737
Kelfield.....	1922					1,038	1,038
	1923					1,031	1,031
Kerrobert.....	1922					3,404	3,404
	1923					2,688	2,688
Kincaid.....	1922	33				2,343	2,376
	1923	64				2,180	2,244
Kindersley.....	1922					4,040	4,040
	1923	33				3,436	3,469
Lafleche.....	1922					1,680	1,680
	1923					1,955	1,955
Laird.....	1922					534	534
	1923	39				416	455
Lancer.....	1922					1,269	1,269
	1923					491	491
Landis.....	1922	20				1,113	1,133
	1923	35				1,452	1,487
Lang.....	1922	181				1,810	1,991
	1923					1,879	1,879
Langham.....	1922	32				1,321	1,353
	1923					1,025	1,025
Lanigan.....	1922					851	851
	1923	30				1,271	1,301
Lawson.....	1922					857	857
	1923			34		294	328

Table 88.—Distribution of Coal through Retail Dealers in Saskatchewan, 1922 and 1923—Continued

(Compiled in the Internal Trade Branch)

(Short Tons)

Cities and Towns	Years	Anthracite Coal from		Bituminous Coal from		Canadian Bituminous, Lignite and Others	Total
		United States	Great Britain	United States	Great Britain		
Leader.....	1922	94				1,399	1,493
	1923	63				1,465	1,528
Leney.....	1922					482	482
	1923					131	131
Leslie.....	1922					340	340
	1923					136	136
Limerick.....	1922	10				1,061	1,071
	1923					1,103	1,103
Lloydminster.....	1922					5,700	5,700
	1923					5,563	5,563
Lockwood.....	1922	31				946	977
	1923	31				445	476
Loreburn.....	1922	31				1,318	1,349
	1923	66				1,539	1,605
Loverna.....	1922					1,088	1,088
	1923					516	516
Luseland.....	1922	75				2,198	2,273
	1923	47				2,494	2,541
Macklin.....	1922	65		39		1,898	2,002
	1923	33				1,900	1,933
Macoun.....	1922					725	725
	1923					380	380
Macrorie.....	1922	64				993	1,057
	1923					672	672
Madison.....	1922					869	869
	1923					589	589
Maidstone.....	1922					610	610
	1923					426	426
Major.....	1922					927	927
	1923					780	780
Maple Creek.....	1922					5,288	5,288
	1923					4,047	4,047
Mazenod.....	1922					678	678
	1923	45				211	256
Melfort.....	1922			104		3,256	3,360
	1923	89		91		2,387	2,567
Melville.....	1922	643				3,550	4,193
	1923	173				1,319	1,492
Meyronne.....	1922					2,049	2,049
	1923					1,528	1,528
Midale.....	1922	41				1,292	1,333
	1923	35				1,386	1,421
Milden.....	1922					1,293	1,293
	1923					1,155	1,155
Milestone.....	1922					1,008	1,008
	1923					1,563	1,563
Montmartre.....	1922	31				974	1,005
	1923	41				1,085	1,126
Moose Jaw.....	1922	408		55		30,994	31,457
	1923	139		27		31,372	31,538
Moosomin.....	1922	129		73		2,265	2,467
	1923	74		79		1,609	1,762

Table 88.—Distribution of Coal through Retail Dealers in Saskatchewan, 1922 and
1923—Continued

(Compiled in the Internal Trade Branch)

(Short Tons)

Cities and Towns	Years	Anthracite Coal from		Bituminous Coal from		Canadian Bituminous, Lignite and Others	Total
		United States	Great Britain	United States	Great Britain		
Morse.....	1922	72				3,690	3,762
	1923	44				3,210	3,254
Mossbank.....	1922	30				1,997	2,027
	1923					1,036	1,036
Netherhill.....	1922					999	999
	1923					1,010	1,010
Neudorf.....	1922	34				239	273
	1923					169	169
Neville.....	1922	31				1,634	1,665
	1923					405	405
Nokomis.....	1922	98				2,516	2,614
	1923			28		968	996
North Battleford.....	1922	*				4,444	4,444
	1923					4,979	4,979
Osage.....	1922	32				931	963
	1923	41				477	518
Palmer.....	1922					1,504	1,504
	1923					707	707
Pennant.....	1922			78		1,381	1,459
	1923	34				1,020	1,054
Piapot.....	1922					1,301	1,301
	1923					1,077	1,077
Pinkham.....	1922					206	206
	1923					337	337
Ponteix.....	1922					1,536	1,536
	1923	78				1,042	1,720
Portreeve.....	1922					764	764
	1923					635	635
Prelate.....	1922	30				1,889	1,991
	1923					998	998
Prince Albert.....	1922			143		3,072	3,215
	1923	39		35		8,825	8,699
Randinson.....	1922					2,020	2,020
	1923					1,350	1,350
Radville.....	1922	33				3,223	3,256
	1923					3,164	3,164
Readlyn.....	1922	31				1,194	1,225
	1923					1,108	1,198
Redvers.....	1922					1,495	1,495
	1923		****			1,222	1,222
Regina.....	1922	1,113		106		48,661	49,880
	1923	277				64,344	64,621
Revenue.....	1922	65				531	596
	1923					478	478
Richlea.....	1922					820	820
	1923					806	806
Riverhurst.....	1922	144				1,665	1,809
	1923	27				979	1,006
Robart.....	1922					251	251
	1923					255	255
Rockhaven.....	1922					614	614
	1923	31				730	761

Table 88.—Distribution of Coal through Retail Dealers in Saskatchewan, 1922 and 1923—Continued

(Compiled in the Internal Trade Branch)

(Short Tons)

Cities and Towns	Years	Anthracite Coal from		Bituminous Coal from		Canadian Bituminous, Ignite and Others	Total
		United States	Great Britain	United States	Great Britain		
Rosetown.....	1922					2,937	2,937
	1923					3,502	3,502
Rouleau.....	1922	32				3,282	3,314
	1923	73		40		1,631	1,744
Ruddell.....	1922					584	584
	1923					422	422
Rush Lake.....	1922					845	845
	1923					646	646
Salvador.....	1922	31				2,041	2,072
	1923	24				2,239	2,263
Saskatoon.....	1922	187		24		25,298	25,569
	1923	559				35,819	36,378
Seepre.....	1922					1,533	1,533
	1923					1,327	1,327
Sootsguard.....	1922	42				1,302	1,344
	1923	63				1,358	1,421
Shackleton.....	1922	45				677	722
	1923					341	341
Shaunavon.....	1922	210				5,259	5,469
	1923	75				5,066	5,141
Southey.....	1922	31				2,108	2,139
	1923					1,213	1,213
Sovereign.....	1922					387	387
	1923					317	317
Speers.....	1922					697	697
	1923					1,016	1,016
Spring Valley.....	1922	39				1,106	1,145
	1923					907	907
Spring Water.....	1922					1,005	1,065
	1923					487	487
Star City.....	1922					1,049	1,049
	1923	32				719	751
Stockholm.....	1922	30				376	406
	1923	32				310	342
Stoughton.....	1922					1,156	1,156
	1923					1,019	1,019
Stranraer.....	1922					410	410
	1923					645	645
Strassburg.....	1922	128				1,891	2,019
	1923	134				1,467	1,601
Success.....	1922	157				1,263	1,420
	1923					792	792
Swanson.....	1922					382	382
	1923					182	182
Swift Current.....	1922	106				4,369	4,475
	1923					4,976	4,976
Tessier.....	1922					250	250
	1923					259	259
Tisdale.....	1922	32				602	634
	1923	46				574	620
Tramping Lake.....	1922					1,002	1,002
	1923					575	575

Table 88.—Distribution of Coal through Retail Dealers in Saskatchewan, 1922 and 1923—Concluded

(Compiled in the Internal Trade Branch)

(Short Tons)

Cities and Towns	Years	Anthracite Coal from		Bituminous Coal from		Canadian Bituminous, Lignite and Others	Total
		United States	Great Britain	United States	Great Britain		
Tugaske.....	1922					1,331	1,331
	1923					1,303	1,303
Tuxford.....	1922					1,157	1,157
	1923					1,346	1,346
Unity.....	1922					4,165	4,165
	1923			67		4,773	4,840
Viceroy.....	1922					1,411	1,411
	1923					1,298	1,298
Vidora.....	1922					492	492
	1923					336	336
Viscount.....	1922	91				2,643	2,734
	1923	51				2,072	2,123
Wadena.....	1922	61		31		674	766
	1923	95				690	785
Waldeck.....	1922					1,424	1,424
	1923					1,070	1,070
Watrous.....	1922	125				2,998	3,123
	1923	61		19		2,276	2,356
Webb.....	1922					1,573	1,573
	1923					1,307	1,307
Weyburn.....	1922			145		8,887	9,275
	1923	243				4,059	4,059
Wilkie.....	1922					1,770	1,770
	1923					2,245	2,245
Wisetown.....	1922			32		659	691
	1923					607	607
Woodrow.....	1922					1,239	1,239
	1923	31				1,407	1,438
Wymark.....	1922					1,348	1,348
	1923					1,033	1,033
Zealandia.....	1922	30				2,530	2,550
	1923	32				1,670	1,702
Other municipalities (#02).....	1922	5,332		669		227,841	233,842
	1923	3,176		231		205,611	207,018
Total.....	1922	13,172		2,280		618,133	633,585
	1923	7,092		828		575,263	583,123

CHAPTER NINE

ALBERTA

Output and Disposition.—During 1923 Alberta retained its position as the leading coal-producing province in Canada and came within 53,368 tons of equalling the high record reached in 1920 when 6,907,765 tons was produced. The output for 1923 was 6,854,397 tons, or 14 per cent above the quantity for the year 1922. While the production figures closely approached those of the record year of 1920, the values given showed a considerable decline due to the drop in prices obtaining throughout the period. The 1923 value of production was \$28,018,303, or \$2,168,630 short of the 1920 figures. While the year 1923 was less than 1 per cent below 1920 in quantity, the difference in value amounted to more than 7 per cent. On the other hand, the increases of both quantity and value over those of 1922 were very creditable. Table 91,

which shows the outputs of coal by districts, indicates the important increase in the production of bituminous coal. The Crow's Nest Pass area made a gain of over half-a-million tons above the quantity produced in 1922. The Drumheller field showed a decline of 300,000 tons of lignite coal produced. For the first time statistics on sub-bituminous coal are available. There were 466,492 tons of this grade produced during the year. The total of lignite coal in 1923 was greater than in 1922.

Conditions throughout the different coal-producing areas were much better during 1923 than in the previous year not only from the labour point of view but also from the lively demand for all grades of coal. From statistics covering disputes and lockouts in Alberta collected during the period, a large decrease in time lost was observed. The figures were 53,993 man-days lost by 3,428 employees in 1923, as against 959,560 man-days for 10,251 employees in 1922. There was also a marked increase in the numbers employed underground and a corresponding gain in the number of man-days' work performed.

The tonnage lost figures, which were computed by the method already described in Chapter One (see page 10) show that the percentage lost amounted to 22 per cent in 1922 and to 27 per cent in 1923; the proportions of these percentages to be credited to absenteeism, lack of orders, car shortage, mine disability, and other causes, did not change to any large extent. The proportion of the possible output produced by all mines in Alberta decreased from 78 per cent in 1922 to 73 per cent in 1923.

Tables 93 to 97 show the disposition of the several kinds of coal produced from Alberta mines during the past two years and an analysis of the shipments showing the quantities of each grade of coal shipped by destinations has been made in Tables 98 to 102 inclusive.

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. The tonnage cleared through Alberta ports is shown in Table 103.

Table 89.—Output of Coal from Alberta Mines,* 1886-1923

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.....	1,085,661	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	3,979,294
1892.....	178,970	460,605	1912.....	3,240,577	8,113,525
1893.....	230,070	586,260	1913.....	4,014,755	10,418,941
1894.....	184,940	473,827	1914.....	3,683,015	9,350,392
1895.....	169,885	382,526	1915.....	3,360,818	8,283,079
1896.....	209,162	581,832	1916.....	4,559,054	11,386,577
1897.....	242,163	630,408	1917.....	4,736,368	14,153,685
1898.....	315,088	787,720	1918.....	5,972,816	20,537,287
1899.....	309,600	774,000	*1919.....	4,933,660	18,205,205
1900.....	311,450	778,625	*1920.....	6,907,765	30,186,933
1901.....	340,275	850,687	*1921.....	5,909,217	27,246,514
1902.....	402,810	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	1,404,524	Total.....	76,703,907	249,734,117
1905.....	931,017	1,993,915			

*For the years 1919-1923 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 90.—Output by Principal Collieries in Alberta 1921, 1922 and 1923—
(Average of 500 tons or more per month)
(Short Tons)

Name and Address	1921	1922	1923
Anthracite			
BANFF DISTRICT— Canadian Pacific Railway, Dept. of Natural Resources, Calgary.....	96,964	40,417	107
Total.....	96,964	40,417	107
Bituminous			
BRAZEAU DISTRICT— Alexo Coal Mining Co., Ltd., Saunders.....	8,224	25,079	.....
Bighorn & Saunders Creek Collieries, Saunders.....	20,433	25,136	.....
Brazeau Collieries Ltd., Nordegg.....	441,206	321,469	493,030
Harlech Coal Co., Nordegg.....	734	3,500	.....
Saunders Alberta Collieries Ltd., Saunders.....	8,662	21,522	.....
Total.....	479,259	396,706	493,930
CANMORE DISTRICT— Canmore Coal Co., Ltd., Canmore.....	206,271	160,747	264,448
All other operators.....		60	.....
Total.....	206,271	169,807	264,448
CROWS NEST PASS DISTRICT— Hillcrest Collieries Ltd., Hillcrest.....	239,270	177,054	279,041
International Coal and Coke Co., Ltd., Coleman.....	149,683	113,304	258,167
McGillivray Creek Coal Co., Coleman.....	266,603	267,294	427,374
Mohawk Bituminous Mines Ltd. (formerly Bellevue Collieries Ltd.), 414 Lancaster Bldg., Calgary.....	13,923	22,634	13,582
West Canadian Collieries Ltd., Blairmore.....	611,172	445,148	624,128
All other operators.....	1,920	337	.....
Total.....	1,282,571	1,025,771	1,602,292
JASPER PARK DISTRICT— Blue Diamond Coal Co., Ltd., 602 Standard Bank Bldg., Toronto, Ont.....	217,772	337,856	248,659
Jasper Park Collieries Ltd., Pocahontas.....	32,726	.....	.....
All other operators.....	120	400	.....
Total.....	250,618	338,256	248,659
MOUNTAIN PARK DISTRICT— Cadomin Coal Co., Ltd., 282 Main Street, Winnipeg, Man.....	174,850	171,432	297,507
Luscar Collieries Ltd., 708 Tegler Bldg., Edmonton.....	5,348	82,649	151,102
Mountain Park Coal Co., 708 Tegler Bldg., Edmonton.....	174,579	101,572	185,865
All other operators.....			.....
Total.....	354,777	355,653	634,474
YELLOWHEAD DISTRICT— Balkan Coal Co., Ltd. (Alberta Standard Coal Co.), Robb.....	8,376	12,805	.....
Blackstone Coal Co., 733 Tegler Bldg., Edmonton.....	18,865	66,155	.....
Coal Valley Mining Co., Ltd., 808 McLeod Bldg., Edmonton.....		38,849	.....
Foothills Collieries Ltd., 222 Portage Ave., Winnipeg, Man.....	36,570	25,827	.....
McLeod River Hard Coal Co., Merosal.....	11,918	17,497	.....
Sterling Collieries Ltd., 911 McLeod Bldg., Edmonton.....	171,104	367,514	.....
Superior Collieries Ltd., 3 McDougall Court, Edmonton.....	1,561	.....	Sub-Bituminous
Yellowhead Coal Co., Coalspur.....	44,116	31,565	.....
All other operators.....	1,827	.....	536
Total.....	204,337	560,212	
Total Bituminous.....	2,867,833	2,848,465	3,243,803
Sub-Bituminous			
CALGARY DISTRICT.....			860
HIGH RIVER DISTRICT.....	See	Lignite	2,086
PINCHER CREEK DISTRICT— Estill L. (Glacier Coal Co., Ltd.), Lundbreck.....	See	Lignite	4,363
All other operators.....	"	"	5,072
Total.....			9,435
SAUNDERS DISTRICT— Acorn Coal Co., Ltd. (formerly Saunders Alberta Coal Co., Ltd.), West Saunders, Alberta.....	See	Brazeau	17,122
Alexo Coal Mining Co., Ltd., Alexo.....	"	"	31,953
Bighorn & Saunders Creek Collieries, Saunders.....	"	"	27,040
All other operators.....	"	"	583
Total.....			76,689

Table 90.—Output by Principal Collieries in Alberta 1921, 1922 and 1923—
 (Average of 500 tons or more per month)—Continued
 (Short Tons)

Name and Address	1921	1922	1923
Sub-Bituminous—Concluded			
YELLOWHEAD DISTRICT			
Balkan Coal Co., Ltd (Alberta Standard Coal Co., Ltd), Robb.	See	Bituminous	17,764
Blackstone Coal Co., Ltd., 733 Tegler Bldg., Edmonton.	"	"	21,161
Coal Valley Mining Co., Ltd., 800 McLeod Bldg., Edmonton.	"	"	113,431
Foothills Collieries Ltd., 222 Portage Ave., Winnipeg, Man.	"	"	24,008
McLeod River Hard Coal Co., Ltd., Merecol.	"	"	16,512
Sterling Collieries Ltd., 911 McLeod Bldg., Edmonton.	"	"	174,835
Superior Collieries Ltd., 3 McDougal Court.	"	"	8,892
All other operators.....	"	"	810
Total.....	"	"	377,413
Total Sub-Bituminous	"	"	466,492
Lignite			
ALDERSYDE DISTRICT	9,150	11,684	8,043
BATTLE RIVER DISTRICT			
Bish Bros. & Le Gear, Forestburg.....	5,288	3,655	2,420
All other operators.....	13,686	17,978	15,004
Total.....	18,974	21,633	17,424
BIG VALLEY DISTRICT			
Big Valley Collieries, Box 34, Edmonton.....	48,655	31,215	39,298
Vimy Coal, Light and Power Co., Big Valley.....	3,986	2,770	3,506
All other operators.....	4,284	3,828	3,879
Total.....	56,925	37,813	46,773
BOW ISLAND DISTRICT	4,922	6,264	6,214
BOOM DISTRICT			
Blackfoot Indian Agency, Gleichen.....	1,883	2,855	See Gleichen
Kleenbirk Collieries, Ltd., Eyremore.....	6,064	6,121	5,734
All other operators.....	6,574	7,715	2,764
Total.....	14,521	16,691	8,488
CAMROSE DISTRICT			
Canadian Dinant Coal Co., Dinant.....	27,135	28,218	29,213
Round Hill Collieries, Ltd., Round Hill.....	9,085	9,036	9,561
Spicer Coal Co., Ltd., Dinant.....	24,965	26,316	20,368
Stoney Creek Collieries, Ltd., Camrose.....	8,075	8,268	6,589
All other operators.....	1,525	5,061	5,398
Total.....	70,785	77,799	71,129
CARBON DISTRICT			
Carbon Coal Agencies, Carbon.....	1,502	6,759	29,096
Love & Fuller (previously Carbon Coal Co.), Carbon.....	3,120	11,275	1,086
Peerless Carbon Collieries, Ltd., Box 178, Carbon.....	1,444	4,533	10,436
Shannon Coal Co., Ltd., Carbon.....	2,166	5,938	6,820
All other operators.....	4,646	10,938	3,032
Total.....	12,887	39,443	50,470
CARDIFF DISTRICT			
Banner Coal Co., Ltd. 121 Adams Block, Edmonton.....	34,732	37,740	.....
Canadian Coal Co., Ltd. (formerly Cardiff Collieries, Ltd.), 208 Quebec Bldg., Edmonton.....	49,331	38,374	57,721
North Star Coal Co. (formerly Alta. Coal Mg. Co., Ltd.), Cardiff.....	51,007	32,390	14,210
All other operators.....	401	421	101
Total.....	135,561	108,925	72,032
CLOVER BAR DISTRICT			
Beverly Coal and Gravel Co., Ltd., 12738-112th St., Edmonton.....	3,036	.....
Bush Mine Coal Co., 11213-65th St., Edmonton.....	61,053	58,513	60,216
Clover Bar Coal Co., Ltd., 413 McLeod Bldg., Edmonton.....	28,241	20,053	3,579
Fraser McKay Collieries, 10055-101st St., Edmonton.....	51,492	65,782	76,649
Great West Coal Co., Ltd. (Black Diamond Mine), 10026-101 A Ave., Edmonton.....	93,401	112,486	101,753
Hutherford Coal Co., Ltd., 11213-65th St., Edmonton.....	87,547	113,727	57,602
Keith, Fulton Coal Co., Clover Bar.....	6,203	6,513	5,434
Marcus Coal Mines, Ltd. (formerly McIntyre & Son), 914 McLeod Bldg., Edmonton.....	26,813	50,024	81,100
Ottewill Coal Mine, Clover Bar.....	5,137	7,613	7,244
All other operators.....	59	722	1,896
Total.....	362,982	435,433	395,473

**Table 90.—Output by Principal Collieries in Alberta, 1921, 1922 and 1923—
(Average of 500 tons or more per month)—Continued**

(Short Tons)

Name and Address	1921	1922	1923
DRUMHELLER DISTRICT—			
Alberta Block Coal Co., Ltd., Drumheller.....	42,950	85,630	53,333
Atlas Coal Co., Ltd., Drumheller.....	56,764	59,095	99,283
Caledonian Collieries, Ltd. (formerly Scranton Coal Co., Ltd.), Drumheller.....	32,015	31,037	5,544
Callie Coal Co., Ltd. (formerly Drumheller Land Co., Ltd.), Drumheller.....	17,226	9,413	
Fligin Coal Co., Ltd., Drumheller.....	31,353	56,661	86,438
Excelsior Collieries, Ltd., 11th Ave. and 11th St. West, Calgary.....	9,766	15,533	See Wayne
Gibson Collieries, Drumheller.....	39,478	47,769	37,890
Great West Coal Co., Ltd. (Star Mine), Aerial.....	20,240	37,923	See Rosedale
Hy-Grade Coal Co., Drumheller.....	64,606	87,972	121,291
Ideal Coal Co., Ltd., 28 Mackie Blk., Calgary.....		12,332	See Wayne
Jewel Collieries, Ltd., Wayne.....	42,870	52,682	See Wayne
Marzoli & Co. (1923, Crown Reserve Coal Co., Ltd.), Rosedale Station.....	3,179	9,912	See Rosedale
Midland Collieries, Ltd., Midlandvale.....	47,923	52,605	50,461
Mid-West Collieries, Ltd., Drumheller.....	20,861	51,691	60,482
Moonlight Coal Co., Ltd., Rosedale Station.....	1,788	7,038	See Rosedale
Newcastle Coal Co., Ltd., Drumheller.....	84,232	71,851	103,984
Newcastle Junior Mg., Drumheller.....	42,018	78,459	105,676
Premier Coal Co., Ltd., Drumheller.....	10,262	15,961	8,092
Rosedale Coal Co., Ltd., Rosedale.....	79,717	95,813	See Rosedale
Rose-Deer Coal Mg. Co., Ltd., Wayne.....	54,286	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.....	6,148	7,815	See Wayne
Sunshine Coal Co., Wayne.....	19,302	16,210	See Wayne
Thomas, L. D., Coal Co. (formerly North American Collieries, Red Deer Valley Coal Co., owners), Naomine.....	132,962	40,834	8,255
Western Commercial Co., Ltd., Wayne.....	44,733	57,741	See Wayne
Western Gem Coal Co., Ltd., Drumheller.....	77,894	75,738	73,094
All other operators.....	12,183	13,636	3,894
Total.....	994,756	1,169,646	821,717
EDMONTON DISTRICT—			
Crown Coal Co. (Penn Coal Co., Ltd.), 1351-82nd St., Edmonton.....	20,325	47,110	71,549
Dawson Coal Co., Ltd., 7 McDougall Court, Edmonton.....	13,230	18,163	17,298
Edmonton Collieries, Ltd., 10117-102nd St., Edmonton.....	21,619	20,361	19,704
Reid & Brown (c/o Premier Coal Co., Ltd.), 11247-89th St., Edmonton.....	2,425	4,974	15,381
McPeak Coal Co., 112th Ave. and 76th St., Edmonton.....	17,331	15,404	6,551
Donkin & Stevens (Twin City Coal Co.), Edmonton South.....	6,679		
All other operators.....	4,568	6,270	15
Total.....	86,177	112,282	130,498
GLEICHEN DISTRICT—			
Blackfoot Indian Agency, Gleichen.....		See Brooks	1,762
All other operators.....			8,546
Total.....			10,308
HANNA DISTRICT—			
Anderson, W. J., Sheerness.....	6,857	9,208	7,468
Oscar Collieries, Ltd., Sheerness.....	3,916	9,496	1,380
Warneboldt, Julius, Sheerness.....	382	5,740	6,404
All other operators.....	18,012	18,501	13,307
Total.....	29,167	42,945	28,559
HIGH RIVER DISTRICT—			
	1,515	2,502	See Sub-Bit.
LACOMBE DISTRICT—			
	15,437	20,017	11,622
LETHBRIDGE DISTRICT—			
Canadian Pacific Ry. Co., Ltd., Dept. of Natural Resources, Calgary, Alta.....	410,479	314,337	363,160
Chinook Coal Co., 117 Sherlock Blk., Lethbridge.....	102,892	69,230	72,232
City of Lethbridge Coal Mines, Lethbridge.....	10,943	11,966	12,490
Donaldson, C. S., Coal Co., Site 1, Hill Block, Lethbridge.....	25,506	14,158	11,459
Lethbridge Coal Co., Box 784, Lethbridge.....	27,463	25,028	26,376
North American Collieries, Ltd., 909 Lancaster Bldg., Calgary.....	191,630	123,346	162,444
All other operators.....	10,903	8,204	5,829
Total.....	779,816	566,269	653,990
MAGRATH DISTRICT—			
	2,544	3,203	2,809
MEDICINE HAT DISTRICT—			
Ajix Coal and Mg. Co. (previously Oliphant, J. T.) Medicine Hat.....	10,997	20,721	13,966
Redcliff Brink and Coal Co., Ltd., Box 135, Redcliff.....	2,858	9,105	7,034
All other operators.....	2,892	4,250	2,163
Total.....	16,747	34,076	23,163

**Table 90.—Output by Principal Collieries in Alberta 1921, 1922 and 1923—
(Average of 500 tons or more per month).—Concluded**
(Short Tons)

Name and Address	1921	1922	1923
MILK RIVER DISTRICT			
NAMAO DISTRICT— Kelly Collieries (formerly Namao Collieries), Namao.	6,730	8,579	5,704
All other operators.	5,632 2,228	7,987 358	11,667 1,584
Total.	7,860	8,345	13,251
PEACE RIVER DISTRICT			790
PEMBINA DISTRICT— North American Collieries, Ltd., 909 Lancaster Bldg., Calgary.	136,316	112,728	111,474 212
All other operators.			
Total.	136,316	112,728	111,686
PINCHER CREEK DISTRICT— Estell, L. (Glacier Coal Co., Ltd.), Lundbreck.	1,769 6,315	4,386 6,558	See Sub-bituminous
All other operators.			
Total.	8,084	10,944	
ROSEDALE DISTRICT — Crown Reserve Coal Co. (formerly Marzoli & Co.), Rosedale. Great West Coal Co., Ltd., 506 Lombard Bldg., Winnipeg, Man. Moonlight Coal Co., Ltd., Rosedale Station. Rosedale Coal Co., Ltd., Rosedale. All other operators.	See Drumheller	6,715 51,886 2,495 97,180 824	
Total.	See Drumheller	159,100	
STRATHCONA DISTRICT			5,276
TABER DISTRICT— Majestic Coal Co., Ltd. (formerly Canada West Coal Co., Ltd.), Taber.	28,046	20,390	7,297
Regal Collieries, Ltd., Taber.	5,691	30,505	7,225
Rock Springs Mine (Co-operative Coal Co., Ltd.), Elcan.	4,042	6,831	4,309
All other operators.	5,490	6,311	8,899
Total.	43,269	64,037	27,730
THREE HILLS DISTRICT— Ellis Coal Co., Ltd., Box 46, Three Hills.	16,499	23,072	24,159
The Paisaide Coal Co., Three Hills.	12,222	18,522	15,957
All other operators.	2,551	2,612	2,011
Total.	31,272	44,206	42,127
TOFIELD DISTRICT— Dobel Coal Co., Ltd., 138 St. Peter St., Quebec, Que.	26,189	30,208	15,531
Tofield Coal Co., Tofield.	22,250	55,627	86,034
All other operators.	1,950	1,037	781
Total.	50,389	86,872	102,396
TROCHU DISTRICT— Ardley Hardlite Collieries, Ltd. (formerly Parker Creek Collieries), Ardley.	4,439	5,835	2,830
Challenger Coal Co. (formerly Ardley Hardlite Collieries), Ardley.	2,881		1,500
North Star Coal Co., Alix.	4,233	5,925	4,504
All other operators.	8,547	9,413	6,701
Total.	20,150	21,173	15,625
WABAMUN DISTRICT— Lakeside Coal, Ltd., 711 Tegler Bldg., Edmonton.	27,439	40,473	56,634
All other operators.	45	107	
Total.	27,484	40,580	56,634
WAYNE DISTRICT— Capital Collieries, Ltd. (formerly Sheffield Collieries, Ltd.), Wayne.	See Drumheller	3,920	
Excelsior Collieries, Ltd., 11th Ave. and 11th St. West, Calgary.	" "	23,128	
Ideal Coal Co., 28 Mackie Bld., Calgary.	" "	17,628	
Jewel Collieries, Ltd., Wayne.	" "	50,958	
Rose Deer Coal Mfg. Co., Ltd., Wayne.	" "	77,849	
Standard Coal Co., Box B, Wayne.	" "	8,938	
Sunshine Coal Co., Wayne.	" "	10,306	
Western Commercial Co., Ltd., Wayne.	" "	51,341	
Total.			244,064
Total Lignite.	2,944,420	3,104,089	3,143,995
Total Alberta.	5,909,217	5,990,911	6,854,397

Table 91.—Output of Coal by Districts in Alberta, 1921, 1922 and 1923

(Short Tons)

District	1921	1922	1923
ANTHRACITE—			
Banff.....	96,964	40,417	107
BITUMINOUS—			
Brazeau.....	479,259	396,706	493,930
Camrose.....	206,271	169,807	264,448
Crow's Nest Pass.....	1,282,571	1,025,771	1,602,292
Jasper Park.....	250,618	338,256	248,659
Mountain Park.....	354,777	335,653	634,474
Yellowhead Pass (a).....	294,337	560,212	See Sub-Bit
Total Bituminous.....	2,867,833	2,846,405	3,243,803
SUB-BITUMINOUS—			
Pincher Creek.....			9,435
Calgary (b).....			860
High River.....			2,086
Saunders (b).....			76,698
Yellowhead.....			377,413
Total Sub-Bituminous.....			466,492
LIGNITE—			
Aldersyde.....	9,150	11,684	8,943
Battle River.....	18,974	21,633	17,424
Big Valley.....	56,925	37,843	46,773
Bow Island.....	4,922	6,261	6,214
Brooks.....	14,521	16,691	8,488
Camrose.....	70,785	77,799	71,12 ^a
Carbon.....	12,887	39,443	50,470
Cardiff.....	135,561	108,925	72,032
Clover Bar.....	362,982	435,433	395,473
Drunheller.....	994,756	1,169,646	821,717
Edmonton.....	86,177	112,282	130,498
Gleichen (b).....			10,308
Hanna.....	29,167	42,945	28,559
High River (a).....	1,515	2,502	See Sub-Bit
Laconbe.....	15,437	20,017	11,022
Lethbridge.....	779,816	566,289	653,990
Mugrath.....	2,544	3,203	2,809
Medicine Hat.....	16,747	34,076	23,163
Milk River.....	6,730	8,579	5,704
Namao.....	7,860	8,345	13,251
Peace River.....			790
Pembina.....	136,316	112,728	111,686
Pincher Creek (a).....	8,084	10,944	See Sub-Bit
Rosedale (b).....			159,100
Strathecona (b).....			5,276
Taher.....	43,269	64,037	27,730
Three Hills.....	31,272	44,206	42,127
Tofield.....	50,389	86,872	102,396
Trochu.....	20,150	21,173	15,625
Wabamun.....	27,484	40,580	56,634
Wayne (b).....			244,064
Total Lignite.....	2,944,320	3,104,080	3,143,995
Total Alberta.....	5,909,217	5,990,911	6,854,397

(a) Reported in Sub-bituminous for 1923.

(b) New district reported for 1923

Table 92.—Tonnage Lost in Alberta Coal Mines, showing by Districts the Relative Percentages produced and lost, with an Analysis of the Percentage Lost, 1922 and 1923

District	Produced		Lost		Percentage Lost Through										
					Absenteeism		Lack of orders		Car shortage		Mine disability		Other causes		
	1922	1923	1922	1923	1922	1923	1922	1923	1922	1923	1922	1923	1922	1923	
ANTHRACITE— Banff.....	95	100	5	.....	0.3	.....	.....	.....	.....	.....	.....	.....	4.7	.....
BITUMINOUS— Brazeau.....	81	72	19	28	0.8	0.9	8.7	15.0	.....	11.6	0.2	.....	9.3	0.5	
Camrose.....	68	74	34	26	5.0	5.5	18.0	16.0	.....	8.0	0.8	0.1	11.0	4.5	
Crow's Nest Pass.....	79	77	21	23	1.6	1.2	7.8	10.8	1.0	7.4	0.8	0.1	0.8	3.5	
Jasper Park.....	94	85	6	15	3.0	.....	.....	6.0	1.2	5.6	.....	1.9	1.8	1.5	
Mountain Park.....	91	82	9	18	2.6	3.6	1.2	9.9	1.5	2.8	0.9	0.2	2.8	1.1	
Yellowhead (a).....	86	.....	14	.....	.....	.....	7.6	.....	2.4	.....	0.5	.....	3.5	.....
Total Bituminous.....	83	77	17	23	1.6	1.9	7.0	11.5	1.0	6.6	0.4	0.3	7.0	2.7	
SUB-BITUMINOUS— Calgary (b).....	46	.....	54	.....	10.1	.....	12.7	.....	.....	.....	7.8	.....	23.3	.....
High River.....	59	.....	41	.....	.....	.....	8.0	.....	.....	.....	.....	.....	33.0	.....
Pincher Creek.....	63	.....	37	.....	0.2	.....	31.1	.....	.....	.....	1.7	.....	4.0	.....
Saunders (b).....	75	.....	25	.....	0.6	.....	20.7	.....	.....	0.2	1.3	.....	3.2	.....
Yellowhead.....	67	.....	33	.....	.....	.....	21.3	.....	4.0	.....	2.2	.....	5.5	.....
Total Sub-Bituminous.....	68	.....	32	.....	0.1	.....	21.4	.....	3.3	.....	2.0	.....	5.2	.....
LIGNITE— Aldersyde.....	76	74	24	28	.....	.....	9.0	9.1	.....	.....	0.2	15.0	16.7	.....
Battle River.....	65	69	35	31	0.3	.....	10.7	13.5	.....	.....	.....	24.0	17.5	.....
Big Valley.....	47	65	53	35	.....	.....	38.3	31.9	0.6	0.1	.....	14.1	3.0	.....
Bow Island.....	59	56	41	44	0.4	.....	22.3	25.9	.....	.....	0.3	18.0	18.1	.....
Brooks.....	87	86	13	14	.....	.....	7.7	9.0	.....	.....	0.3	5.3	4.7	.....
Canrose.....	77	80	23	20	1.6	1.2	17.4	15.7	1.4	.....	0.2	2.4	3.1	.....
Carbon.....	75	75	25	25	2.3	0.1	15.3	19.2	0.4	.....	0.3	6.7	4.3	.....
Cardiff.....	51	70	49	30	.....	.....	36.0	13.2	5.5	0.4	1.3	13.6	6.2	2.8	
Clover Bar.....	73	83	27	17	0.5	0.4	25.5	14.9	.....	0.2	.....	0.3	1.0	1.2	
Drumheller.....	74	63	26	37	0.4	0.6	18.1	28.5	0.3	.....	0.3	6.9	7.0	.....
Edmonton.....	81	84	19	16	1.0	0.6	16.0	13.7	.....	.....	2.0	2.0	1.7	.....
Gleichen (b).....	75	.....	25	.....	.....	.....	12.5	.....	.....	.....	.....	12.5	.....	.....
High River.....	86	.....	14	.....	.....	.....	2.0	.....	.....	.....	.....	12.0	.....	.....
Hanna.....	66	72	34	28	3.6	4.1	18.2	15.0	.....	0.2	12.0	8.9	.....	.....
LaCombe.....	70	66	30	34	.....	.....	1.9	16.7	11.4	0.6	.....	12.7	20.7	.....
Lethbridge.....	82	66	18	34	3.0	0.6	11.0	30.9	.....	0.1	0.2	4.0	2.2	.....
Magnath.....	69	60	31	40	0.6	0.3	13.4	21.0	.....	.....	17.0	18.7	.....	.....
Medicine Hat.....	73	68	27	32	.....	.....	19.0	9.5	.....	.....	8.0	22.5	.....	.....
Milk River.....	74	64	26	36	0.5	.....	9.1	20.6	.....	.....	.....	16.4	15.4	.....
Nanaimo.....	83	86	17	14	0.5	1.1	.....	2.8	2.7	.....	7.7	2.1	6.1	8.0	.....
Pembina.....	88	71	12	29	5.7	3.3	4.9	15.4	0.4	7.1	0.3	3.1	0.7	0.1	.....
Pence River.....	94	.....	6	.....	.....	.....	.....	.....	.....	.....	6.0	.....	6.0	.....
Pincher Creek (a).....	70	.....	30	.....	0.5	.....	21.0	.....	1.3	.....	0.5	6.7	.....	.....
Rosedale (b).....	71	.....	29	.....	1.7	.....	25.8	.....	.....	0.5	.....	1.0	.....	.....
Strathecona (b).....	76	.....	24	.....	2.6	.....	5.0	.....	.....	3.4	.....	13.0	.....	.....
Taber.....	68	69	32	31	1.9	.....	18.8	17.1	3.8	.....	0.5	0.1	7.0	13.8	.....
Three Hills.....	70	79	30	21	1.4	1.0	26.5	19.0	0.9	.....	.....	1.2	1.0	.....
Tofield.....	82	75	18	25	.....	.....	15.0	20.1	.....	.....	.....	3.0	4.9	.....
Trochu.....	71	61	29	39	0.2	0.2	9.8	18.6	2.3	.....	3.7	16.7	16.5	.....
Wabamun.....	85	89	15	11	0.4	.....	12.9	5.4	1.6	.....	0.5	0.5	4.7	.....
Wayne (b).....	66	.....	34	.....	0.3	.....	31.3	.....	.....	0.6	.....	1.8	.....	.....
Total Lignite.....	74	70	26	30	1.0	0.6	18.6	24.3	0.7	0.2	0.2	0.8	5.5	4.1	
Total for Alberta.....	78	73	22	27	1.3	1.2	13.3	18.4	0.9	3.2	0.4	0.7	6.1	3.5	

(a) Reported in Sub-Bituminous for 1923.

(b) New district reported for 1923.

Table 93.—Total Disposition of the Coal from Alberta Mines, by Grades, 1922 and 1923
(Short Tons)

Disposition	1922					1923				
	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.....	11,860	29,665	8,705	1,674	51,904	11,801	31,493	7,650	682	51,626
Used under colliery boilers.....	104,389	1,481	22,012	147,949	275,831	105,210	2,480	11,762	149,469	268,921
Used by company's railroads.....	6,612	5	1,738	347	8,702	5,838	99	1,368	300	7,605
Shipped (See Table 98).....	2,728,064	1,937,014	542,321	405,136	5,612,535	3,544,013	1,951,862	514,069	437,079	6,447,023
Used in making briquettes.....				20,569	20,569				37,363	37,363
Put on bank.....	13,888	7,898	3,757	5,257	30,800	28,897	11,492	1,808	13,521	55,718
Put on waste heap.....	8,443	186	3,984	51,704	64,317	17,749	1	398	50,670	74,818
Total Disposition.	2,873,256	1,976,249	582,517	632,636	6,064,655	3,713,508	1,997,427	537,055	695,081	6,943,074
Lifted from bank.....	25,444	6,838	3,771	37,694	73,742	18,292	14,463	2,205	53,717	88,677
Total Output.	2,847,812	1,969,411	576,746	594,942	5,990,911	3,695,216	1,982,964	534,850	641,367	6,851,397

Table 94.—Disposition of Anthracite Coal from Alberta Mines, by Grades, 1922 and 1923
(Short Tons)

Disposition	1922					1923				
	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.....		44	26		70	34				34
Used under colliery boilers, etc.	8,165	16	7,339		15,520	73		210		283
Used by company's railroads.....		3,707	2,792		6,499		2			2
Shipped (See Table 99).....				20,509	20,569				36,952	36,952
Used in making coke at colliery.....				2,309	2,309					
Used in making briquettes.....				2,309	2,309					
Put on bank.....				2,309	2,309					
Put on waste heap.....				2,309	2,309					
Total Disposition.	8,165	3,767	10,157	22,878	44,967	107	2	210	36,952	37,271
Lifted from bank.....		48	172	4,330	4,550		2	210	36,952	37,164
Total Output.	8,165	3,719	9,985	18,543	40,417	107				107

Table 95.—Disposition of Bituminous Coal from Alberta Mines, by Grades, 1922 and 1923
(Short Tons)

Disposition	1922					1923				
	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.....	8,410	7,072	4,510		19,992	8,316	8,901	2,344		19,561
Used under colliery boilers, etc.	92,152		1,186	4,418	97,756	93,297	6			93,303
Used by company's railroads.....	5,724				5,724	3,581				3,581
Shipped (See Table 100).....	2,515,469	76,120	35,057	98,454	2,725,100	3,025,840	11,174	9,480	65,538	3,112,032
Used in making coke at colliery.....									411	411
Used in making briquettes.....									27,555	27,555
Put on bank.....	12,510	260	182	70	13,022	27,555				
Put on waste heap.....	1,950	20	35	9,046	11,051	4,709				4,709
Total Disposition.	2,636,215	83,472	40,970	111,988	2,872,645	3,163,298	20,081	11,824	65,949	3,261,152
Lifted from bank.....		24,761	377	537	565	26,249	17,349			17,349
Total Output.	2,611,454	83,095	40,433	111,423	2,816,405	3,145,949	20,081	11,824	65,949	3,243,803

Table 96.—Disposition of Sub-Bituminous Coal from Alberta Mines, by Grades, 1923*

(Short Tons)

Disposition	1923				
	Run-of-mine	Lump	Nut and other grades	Slack	Total coal
Supplied to employees for domestic consumption.	1,015	301	212		1,528
Used under colliery boilers, etc.	8,131		424	4,235	12,798
Used by company's railroads.	2,093				2,093
Shipped (See Table 101).	291,908	65,450	23,032	30,156	410,546
Used in making coke at colliery.					
Used in making briquettes.					
Put on bank.	843	188	457	4,103	5,591
Put on waste heap.	3,127			32,623	35,759
Total Disposition	307,117	65,939	24,125	71,117	468,298
Lifted from bank.	787	126	475	418	1,806
Total Output	306,330	65,813	23,650	70,699	466,492

*Not reported separately in 1922.

Table 97.—Disposition of Lignite Coal from Alberta Mines, by Grades, 1922 and 1923

(Short Tons)

Disposition	1922					1923				
	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.	3,450	22,540	4,169	1,674	31,842	2,436	22,291	5,094	682	30,503
Used under colliery boilers, etc.	4,072	1,465	13,487	143,531	162,555	3,790	2,474	11,128	145,234	162,545
Used by company's railroads.	888	5	1,738	347	2,978	164	99	1,368	300	1,931
Shipped (See Table 102).	212,595	1,857,187	504,472	306,082	2,880,935	226,265	1,875,236	481,557	341,385	2,921,443
Used in making coke at colliery.										
Used in making briquettes.										
Put on bank.	1,378	7,638	3,575	5,187	17,778	499	11,304	1,351	9,418	22,572
Put on waste heap.	6,493	166	3,049	40,342	50,957	9,913	1	398	24,047	34,339
Total Disposition	228,876	1,880,010	531,390	497,770	3,147,046	242,956	1,911,495	590,896	521,066	3,176,353
Lifted from bank.	683	6,413	3,062	32,799	42,957	156	14,335	1,520	16,347	32,358
Total Output	228,193	1,882,597	528,328	461,971	3,101,899	242,830	1,897,070	499,376	581,719	3,143,995

Table 98.—Total Shipments of Coal from Alberta Mines, by Grades and Destination, 1922 and 1923

(Short Tons)

Destination	1922					1923				
	Run-of-mine	Lump	Nut and other grades	Slack	Total coal	Run-of-mine	Lump	Nut and other grades	Slack	Total coal
Alberta.	257,842	601,853	249,617	252,948	1,362,260	219,772	563,478	243,658	285,984	1,312,892
Saskatchewan.	105,746	881,510	152,676	87,771	1,277,733	103,746	872,588	156,288	87,210	1,219,832
British Columbia.	33,815	49,982	24,727	2,603	111,127	39,806	49,955	15,728	3,250	108,739
Manitoba.	33,619	364,284	95,113	28,507	521,533	25,968	421,355	76,419	29,433	553,175
Ontario.	1,977	10,975	8,777	106	21,835	12,297	27,907	11,818	318	52,340
Quebec.		31	71		102					
United States.	60,550	8,741	10,889	32,985	113,165	29,555	14,034	9,842	30,274	83,705
Other places.									95	95
Railroads.	2,234,515	19,638	451	216	2,254,820	3,112,869	2,515	316	518	3,116,245
Total	2,728,064	1,937,014	542,321	405,136	5,612,535	3,544,013	1,951,862	514,069	437,079	6,447,023

Table 99.—Shipments of Anthracite Coal from Alberta Mines, by Grades and Destination, 1922 and 1923

(Short Tons)

Destination	1922					1923				
	Run-of-mine	Lump	Nut and other grades	Slack	Total coal	Run-of-mine	Lump	Nut and other grades	Slack	Total coal
Alberta.....		880	1,236		2,116		2			2
Saskatchewan.....		454	342		796					
British Columbia.....		535	693		1,228					
Manitoba.....		10			10					
Ontario.....										
United States.....			70		70					
Railroads.....		1,828	451		2,279					
Other places.....										
Total.....		3,707	2,792		6,499		2			2

Table 100.—Shipments of Bituminous Coal from Alberta Mines, by Grades and Destination, 1922 and 1923

(Short Tons)

Destination	1922					1923				
	Run-of-mine	Lump	Nut and other grades	Slack	Total coal	Run-of-mine	Lump	Nut and other grades	Slack	Total coal
Alberta.....	93,486	12,747	12,136	34,047	152,116	53,602	1,252	2,907	27,802	85,563
Saskatchewan.....	67,196	29,282	10,029	13,752	120,259	55,119	5,583	4,890	4,518	70,119
British Columbia.....	28,386	4,583	3,706	1,497	38,172	19,122	2,000	221	1,955	23,298
Manitoba.....	32,478	27,689	8,206	16,050	84,163	7,676	463	658	1,085	9,882
Ontario.....	65	690	169		924					
United States.....	50,354	1,066	811	32,892	94,126	29,461	1,876	738	30,178	62,253
Railroads.....	2,234,504	83		216	2,234,503	2,860,860			66	2,860,826
Other places.....										
Total.....	2,515,469	76,120	35,057	98,454	2,725,100	3,025,840	11,174	9,489	65,538	3,112,032

Table 101.—Shipments of Sub-Bituminous Coal from Alberta Mines, by Grades and Destination, 1923

(Short Tons)

Destination	1923				
	Run-of-mine	Lump	Nut and other grades	Slack	Total coal
Alberta.....					
Saskatchewan.....	16,923	9,241	11,377	11,945	49,446
British Columbia.....	8,009	16,019	2,604	4,643	29,275
Manitoba.....	7,339	3,255	3,060	787	14,441
Ontario.....	9,294	33,917	5,682	12,171	61,064
United States.....	240	1,041	279		1,560
Railroads.....		94			94
Other places.....					
Total.....	252,009	1,977	30	515	254,531
	291,908	65,450	23,032	30,156	410,546

Table 102.—Shipments of Lignite Coal from Alberta Mines by Grades and Destination, 1922 and 1923

(Short Tons)

Destination	1922					1923				
	Run-of-mine	Lump	Nut and other grades	Slack	Total coal	Run-of-mine	Lump	Nut and other grades	Slack	Total coal
Alberta.....	164,356	588,226	236,245	218,901	1,207,728	149,247	552,983	220,374	246,237	1,177,841
Saskatchewan.....	38,550	851,774	142,305	74,019	1,106,648	42,618	850,986	148,794	78,049	1,120,447
British Columbia.....	5,429	44,864	20,328	1,106	71,727	13,345	44,700	12,447	508	71,000
Manitoba.....	1,141	336,605	86,907	12,457	437,110	8,998	386,975	70,079	16,177	482,229
Ontario.....	1,912	10,285	8,608	106	20,911	12,057	26,866	11,539	318	50,780
Quebec.....		31	71		102					
United States.....	1,196	7,675	10,008	93	18,972		12,158	9,104	96	21,358
Railroads.....	11	17,727			17,738		568	220		788
Other places.....										
Total.....	212,595	1,857,187	504,472	306,682	2,880,936	226,265	1,875,236	481,557	341,385	2,924,443

Table 103.—Exports of Coal through Alberta Ports, 1921, 1922 and 1923

(Short Tons)

	—	—			1921	1922	1923
					843	915	605
Lethbridge.....							
Total.....					843	915	605

Employees, Salaries and Wages.—The general improvement throughout the coal mining industry in Alberta is well illustrated by the tables dealing with wage-earners and wages paid and man-days' work performed.

During the year, although there was a decrease of 140 in the number of salaried members of the staffs at the mines, the salaries paid increased by \$132,519. Much interesting data are available in Table 105 which shows the total amount of work done both in 1922 and 1923, on surface and below ground for each producing district. Table 106 shows the total number of days' work done by months, together with the total wages, and in Table 107 an analysis has been made of the average number of wage-earners about the coal mines in the two years mentioned.

It will be noticed that considerable increases occurred in the number of wage-earners, employed and in the actual number of man-days' work done throughout the year. The average number of days worked by each wage-earner was 227, as compared with 237 in 1922. Wages paid in 1923 amounted to \$16,749,909, or an average of \$7.41 per man-day. For 1922 the corresponding figures showed total wage payments of \$13,465,991, or an average of \$6.42 per man-day worked.

Table 104.—Salaried Employees and Salaries Paid on the Coal Mine Staffs in Alberta, 1922 and 1923

—	1922					1923				
	Number		Total salaries	Number		Total Salaries	Number		Total Salaries	
	Male	Female		Male	Female		Male	Female		
Salaried officers of corporation.....	104	2	348,902	94	4	345,239				
General superintendents and managers.....	292		807,768	264		739,366				
Technical experts and accountants.....	169		253,804	105		211,912				
Clerks, stenographers and salesmen.....	223	25	340,087	183	25	320,565				
Total.....	788	27	1,750,561	646	29	1,618,042				

Table 105.—Number of Man-Days' Work Done by Districts in Alberta Coal Mines,
in 1922 and 1923

District	1922			1923		
	Surface	Under-ground	Total	Surface	Under-ground	Total
ANTHRACITE—						
Banff.....	19,666	12,278	31,944	19,217	423	19,640
BITUMINOUS—						
Brazeau.....	40,545	108,476	149,021	35,353	125,069	160,422
Canmore.....	14,690	30,749	45,439	28,929	84,884	83,813
Crow's Nest Pass.....	105,947	189,894	305,841	137,006	334,607	471,613
Jasper Park.....	73,108	104,224	177,332	54,490	82,735	137,225
Mountain Park.....	41,740	79,365	121,105	59,518	134,071	193,589
Yellowhead (a).....	81,183	32,985	114,168	See Sub-Bituminous		
Total Bituminous.....	357,183	555,603	912,876	315,296	731,366	1,046,662
SUB-BITUMINOUS—						
Calgary.....	Not reported separately in 1922			542	841	1,383
High River.....				247	981	1,228
Pincher Creek.....				680	3,143	3,823
Saunders.....				10,294	26,275	36,569
Yellowhead.....				52,705	17,933	70,638
Total Sub-Bituminous.....				64,468	49,173	113,641
LIGNITE—						
Aldersyde.....	772	5,635	6,407	798	5,036	5,834
Battle River.....	1,681	8,481	10,162	784	6,299	7,083
Big Valley.....	4,677	10,460	15,137	3,036	12,145	15,181
Bow Island.....	316	2,926	3,242	299	2,259	2,558
Brooks.....	5,431	5,799	11,230	684	2,917	3,601
Cainrose.....	9,077	14,421	23,498	9,359	14,144	23,503
Carbon.....	5,458	18,897	24,355	5,684	14,420	20,101
Cardiff.....	6,789	17,719	24,188	6,671	14,949	21,620
Clover Bar.....	31,328	108,427	139,755	29,292	101,247	130,539
Drumheller.....	89,446	295,346	384,792	46,211	156,968	203,179
Edmonton.....	8,956	37,623	46,579	8,671	33,624	42,295
Gleichen (b).....	4,646	11,322	15,968	4,463	3,545	8,008
Hanna.....	577	1,360	1,937	3,468	6,702	10,170
High River (a).....	1,193	8,153	9,346	996	4,827	5,823
Lacombe.....	68,347	198,105	266,452	76,694	215,422	292,116
Lethbridge.....	288	1,916	2,204		1,837	1,837
Magrath.....	2,777	10,202	12,979	2,237	7,006	9,843
Medicine Hat.....	1,627	4,799	6,426	1,126	3,148	4,274
Milk River.....	1,370	2,781	4,157	1,151	2,876	4,027
Namko.....				74	249	323
Peace River.....	14,916	22,242	37,158	14,410	18,418	32,828
Pembina.....	668	3,206	3,874			
Pincher Creek (a).....				10,829	42,160	58,989
Rosedale (a).....				681	3,034	3,115
Strathecona (b).....						
Taher.....	11,700	28,994	10,691	0,783	14,585	21,366
Three Hills.....	4,791	12,422	17,213	3,905	10,549	14,511
Tofield.....	14,883	290	15,173	18,545	182	18,727
Trochu.....	7,563	7,038	14,602	4,305	4,159	8,464
Wabamun.....	3,908	9,271	13,179	5,105	14,023	19,128
Wayne(b).....				18,033	67,885	85,918
Total Lignite.....	303,171	847,836	1,151,007	293,352	785,215	1,078,567
Total for Alberta.....	680,620	1,415,807	2,095,827	692,333	1,566,177	2,258,510

(a) Reported in Sub-Bituminous for 1923.

(b) New district reported for 1923.

Table 106.—Number of Employees, Work done by Months and Wages paid in Alberta Coal Mines, in 1923 with Comparative Totals for 1922

Month	Number of Employees			Days' Work Done			Total wages paid
	Surface	Under-ground	Total	Surface	Under-ground	Total	
1923							
January	3,458	8,926	12,384	78,319	179,472	255,791	Not reported
February	3,220	8,324	11,544	65,314	155,422	220,736	
March	2,839	7,244	10,083	52,772	110,279	163,051	
April	2,477	6,147	8,624	47,798	97,376	145,174	
May	2,305	5,516	7,821	48,338	99,407	147,835	
June	2,362	5,771	8,133	52,131	97,953	150,084	
July	2,412	6,038	8,450	51,133	122,243	173,376	by months
August	2,443	6,641	9,084	59,496	141,430	200,926	
September	2,508	7,178	9,686	51,230	117,864	169,094	
October	2,849	7,844	10,693	67,087	157,283	224,370	
November	2,945	8,258	11,203	65,192	154,664	219,856	
December	2,818	8,492	11,310	55,523	132,694	188,217	
				692,333	1,566,177	2,258,510	\$16,749,909
1923	Total						
	Average	2,719	7,198	9,917	253 days per year	218 days per year	\$7.41 per day
1922	Total				680,020	1,415,807	2,095,827
	Average	2,648	6,167	8,815	256 days per year	229 days per year	\$6.42 per day

Table 107.—Average Number of Employees in Alberta Coal Mines, by Classes, 1922 and 1923

Classification	1922			1923			
	Surface	Under-ground	Total	Surface	Under-ground	Total	
SURFACE—							
Administration	118	44	162	113	25	138	
Foremen and clerks	242	12	254	238	9	245	
Screenmen and loaders	520	7	527	612		612	
UNDERGROUND—							
Officials	11	278	289	9	304	313	
Hand cutters and helpers	58	2,266	2,324	66	2,689	2,735	
Machine cutters		348	318		393	393	
Machine loaders and helpers		1,129	1,129		1,258	1,258	
Horse haulage employees	34	646	680	28	774	882	
Mechanical haulage employees	58	249	307	52	346	398	
Ventilation employees	4	88	92	1	123	124	
Roadmakers	3	138	141	4	224	228	
Timbermen	2	320	331	2	393	395	
Pumpmen	4	54	58	3	59	62	
MISCELLANEOUS—							
Engineers	174	4	178	177	8	185	
Firemen	163		163	154		154	
Machinists	82	2	84	96	3	99	
Carpenters and masons	102		102	99		94	
Other mechanics	173	28	201	158	15	173	
All other employees	900	545	1,445	909	575	1,484	
Total	2,648	6,167	8,815	2,719	7,198	9,917	

Imports and Distribution.—Compared with the output of coal from the Alberta mines, imports are of slight interest. The small quantities of United States coal brought in every year, may possibly find uses at a few isolated points more convenient to the United States supplies. Data regarding these importations are shown in Table 108. The distribution of coal by retail dealers as reported by the Internal Trade Branch has been compiled for all municipalities and is here given for the years 1922 and 1923. The total figures given in Table 109 indicate that the retail trade revived considerably totalling 364,741 tons in 1923 as against 344,780 tons in 1922.

Table 108.—Imports into Alberta of Anthracite and Bituminous Coal by Grades and Ports of Entry, 1921, 1922 and 1923
(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. 1921				409	181	590	590
	1922				257	70	327	327
	1923				273	137	410	410
Edmonton.....	U.S. 1921				30	361	391	391
	1922				211	381	592	592
	1923				158	281	439	439
Lethbridge.....	U.S. 1921					73	73	73
	1922				35	116	151	151
	1923					128	128	128
Medicine Hat.....	U.S. 1921	66		66	358	417	775	841
	1922				35	42	77	77
	1923				133		133	133
Total.....	U.S. 1921	66		66	297	1,032	1,829	1,895
	1922				538	609	1,147	1,147
	1923				564	546	1,110	1,110

Table 109.—Distribution of Coal through Retail Dealers in Alberta by Municipalities, 1922 and 1923

(Compiled in the Internal Trade Branch)

(Short Tons)

Cities and Towns	Years	Anthracite Coal from		Bituminous Coal from		Canadian Bituminous, Lignite and Others	Total
		United States	Great Britain	United States	Great Britain		
Acme.....	1922					422	422
	1923					1,660	1,660
Alderson.....	1922					357	357
	1923					322	322
Alliance.....	1922					224	224
	1923					201	261
Barons.....	1922					2,103	2,103
	1923					2,068	2,068
Bashaw.....	1922					611	611
	1923					561	561
Bassano.....	1922					650	650
	1923					730	730
Beiseker.....	1922					945	945
	1923					266	266
Bindloss.....	1922					851	851
	1923					663	663
Blackfoot.....	1922					346	346
	1923					416	416
Blackie.....	1922					1,311	1,311
	1923					1,489	1,489
Bow Island.....	1922					161	161
	1923					93	93
Brant.....	1922					1,381	1,381
	1923					808	808
Burdett.....	1922					695	695
	1923					775	775
Cadogan.....	1922					908	908
	1923					639	639

Table 109.—Distribution of Coal through Retail Dealers in Alberta by Municipalities, 1922 and 1923—Continued
 (Compiled in the Internal Trade Branch)
 (Short Tons)

Cities and Towns	Years	Anthracite Coal from		Bituminous Coal from		Canadian Bituminous, Lignite and Others	Total
		United States	Great Britain	United States	Great Britain		
Calgary.....	1922	1,216				60,026	61,242
	1923					54,838	54,838
Cardston.....	1922					3,577	3,577
	1923					4,125	4,125
Carmangay.....	1922					1,246	1,246
	1923					941	941
Carseland.....	1922					1,193	1,193
	1923					1,040	1,040
Cayley.....	1922					948	948
	1923					1,398	1,398
Carstairs.....	1922					2,000	2,000
	1923					2,158	2,158
Cereal.....	1922					1,855	1,855
	1923					1,093	1,093
Champion.....	1922					236	236
	1923					225	225
Chauvin.....	1922					992	992
	1923					704	704
Chinook.....	1922					1,240	1,240
	1923					649	649
Claresholm.....	1922					2,642	2,642
	1923					2,154	2,154
Cluny.....	1922					731	731
	1923	103				1,404	1,507
Cochrane.....	1922					1,100	1,100
	1923					1,099	1,099
Compeer.....	1922					1,263	1,263
	1923					923	923
Consort.....	1922					2,057	2,057
	1923					1,602	1,602
Coronation.....	1922					678	678
	1923					332	332
Craigmyle.....	1922					580	580
	1923					456	456
Crossfield.....	1922					1,053	1,053
	1923					1,115	1,115
Czar.....	1922					994	994
	1923					354	354
Daysland.....	1922					30	30
	1923					271	271
Didsbury.....	1922					589	589
	1923					756	756
Edgerton.....	1922					577	577
	1923					316	316
Edmonton.....	1922			27		123,329	123,326
	1923	57		153		159,964	160,174
Empress.....	1922					1,863	1,863
	1923					1,261	1,261
Enchant.....	1922					69	69
	1923					74	74
Erskine.....	1922					37	37
	1923					265	265
Excel.....	1922					1,059	1,059
	1923					298	298

**Table 109.—Distribution of Coal through Retail Dealers in Alberta by Municipalities,
1922 and 1923—Continued**

(Compiled in the Internal Trade Branch)

(Short Tons)

Cities and Towns	Years	Anthracite Coal from		Bituminous Coal from		Canadian Bituminous, Lignite and Others	Total
		United States	Great Britain	United States	Great Britain		
Foremost.....	1922					1,135	1,135
	1923					703	703
Fort Saskatchewan.....	1922					738	738
	1923					906	906
Galahad.....	1922					80	80
	1923						
Gleichen.....	1922					4,012	4,012
	1923					5,581	5,581
Granum.....	1922					1,214	1,214
	1923					841	841
Grassey Lake.....	1922					445	445
	1923					424	424
Hanna.....	1922					1,100	1,100
	1923					1,293	1,293
Hardisty.....	1922					1,315	1,315
	1923					1,513	1,513
High River.....	1922					821	821
	1923					873	873
Hughenden.....	1922					884	884
	1923					298	298
Innisfree.....	1922					616	616
	1923					604	604
Irma.....	1922					886	886
	1923					888	888
Islay.....	1922					799	799
	1923					933	933
Jarrow.....	1922					118	118
	1923					91	91
Jenner.....	1922					888	888
	1923					907	907
Killam.....	1922					554	554
	1923					709	709
Kirriemuir.....	1922					643	643
	1923					250	250
Kitscoty.....	1922					1,269	1,269
	1923					1,276	1,276
Lacombe.....	1922					1,290	1,290
	1923					1,146	1,146
Langdon.....	1922					796	796
	1923					791	791
Lavoy.....	1922					540	540
	1923					535	535
Lougheed.....	1922					1,101	1,101
	1923					1,090	1,090
Macleod.....	1922					3,666	3,666
	1923					2,380	2,380
Magrath.....	1922					652	652
	1923					744	744
Manville.....	1922					1,263	1,263
	1923					1,367	1,367
Manyberries.....	1922					503	503
	1923					254	254

Table 109.—Distribution of Coal through Retail Dealers in Alberta by Municipalities, 1922 and 1923—Concluded

(Compiled in the Internal Trade Branch)

(Short tons)

Cities or Towns	Year	Anthracite Coal from		Bituminous Coal from		Canadian Bituminous, Lignite and Others	Total
		United States	Great Britain	United States	Great Britain		
Medicine Hat.....	1922					2,014	2,014
	1923					1,503	1,503
Milk River.....	1922					1,015	1,015
	1923					1,297	1,297
Monarch.....	1922					194	194
	1923					235	235
Monitor.....	1922					2,929	2,929
	1923					1,937	1,937
Namaka.....	1922					601	601
	1923					416	416
Nanton.....	1922					2,020	2,020
	1923					2,140	2,140
Nobleford.....	1922					1,099	1,099
	1923					529	529
Oyen.....	1922					2,493	2,493
	1923					2,330	2,330
Parkland.....	1922					929	929
	1923					1,054	1,054
Pincher Creek.....	1922					1,100	1,100
	1923					1,255	1,255
Ponoka.....	1922					514	514
	1923					489	489
Provost.....	1922					2,325	2,325
	1923					1,711	1,711
Raymond.....	1922					1,976	1,976
	1923					1,446	1,446
Red Deer.....	1922					1,966	1,966
	1923					2,305	2,305
Retlaw.....	1922					289	289
	1923					85	85
Sedgwick.....	1922					1,391	1,391
	1923					1,256	1,256
Sibbald.....	1922					804	804
	1923					596	596
Stavely.....	1922					2,103	2,103
	1923					1,750	1,750
Strathmore.....	1922	65				1,222	1,222
	1923					1,086	1,086
Strome.....	1922					430	430
	1923					305	305
Traverse.....	1922					177	177
	1923					33	33
Vegreville.....	1922					4,232	4,232
	1923					4,313	4,313
Vermilion.....	1922					2,016	2,016
	1923					2,640	2,640
Viking.....	1922					384	384
	1923					165	165
Vulcan.....	1922					1,405	1,405
	1923					197	197
Wainwright.....	1922					3,121	3,121
	1923					2,225	2,225
Walsh.....	1922					559	559
	1923					397	397
Warner.....	1922					2,285	2,285
	1923					2,328	2,328
Wetaskiwin.....	1922					1,324	1,324
	1923					1,392	1,392
Woodhouse.....	1922					629	629
	1923					268	268
Youngstown.....	1922					2,215	2,215
	1923					1,351	1,351
Other municipalities (175).....	1922					47,354	47,354
	1923	84				48,039	48,123
Total.....	1922	1,251		27		343,472	344,780
	1923	244		153		361,605	364,762

CHAPTER TEN

BRITISH COLUMBIA

British Columbia was the second province in Canada to produce coal and as early as 1836 coal was mined in this province. The output reached the million-ton mark in 1891 or eleven years later than in Nova Scotia. During 1923, the output from British Columbia mines amounted to 2,823,306 tons, or a decrease of about 100,000 tons below the figure for the previous year. The value as reported by the operators was \$13,813,520. The Crow's Nest Pass area increased its output by over 200,000 tons, but the Island and the Inland fields showed considerable decreases. The Island district was the most important producer of coal in this province with an output considerably greater than that of the whole mainland.

Tables 110 and 112 show the historical summary of the coal production since 1874 and the record by areas or fields for the past three years. Statistics are also presented in Table 111 showing the comparative figures for outputs during the past three years by the most important collieries. Only those which had an output of 500 tons or over per month were included.

The statement of tonnage lost by the operating coal mines in British Columbia shown in Table 113 indicates that during 1923 the proportion of the possible production declined from the record for 1922. Lack of orders was the cause given for the loss of more than 16 per cent, as compared with 9 per cent for 1922. The proportion of the possible output produced in 1923 was 81 per cent, or 3 per cent less than in the previous year. The details of these data are shown by fields, and the method of computation may be referred to in Chapter One, under the heading "Tonnage Lost."

Records of disposition showed very little change from the previous year. The total decrease in shipments was approximately 100,000 tons; the consignments to the United States showed the greatest decline. Disposition and shipments may be studied in Tables 114 and 115. Records of exports of coal through British Columbia ports have been tabulated in Table 116. In this connection it will be remembered that the tonnages shown indicate the quantities of coal cleared from customs through the ports named. Large quantities of Alberta coal are exported through Fernie and Cranbrook.

Table 110.—Output of Coal from British Columbia Mines, 1836-1923

(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	4,799,553
1875.....	109,361	292,932	1901.....	1,919,488	5,111,487
1876.....	157,007	420,555	1902.....	1,808,441	4,844,010
1877.....	156,455	419,076	1903.....	1,676,581	4,490,844
1878.....	213,750	572,544	1904.....	1,862,625	4,989,174
1879.....	260,277	697,170	1905.....	1,945,452	5,211,630
1880.....	305,045	817,086	1906.....	2,140,262	5,748,915
1881.....	257,056	688,512	1907.....	2,364,898	7,390,306
1882.....	323,201	865,716	1908.....	2,333,708	7,292,838
1883.....	240,075	613,059	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.....	2,542,532	7,915,413
1886.....	375,415	1,005,576	1912.....	3,208,997	10,028,416
1887.....	486,142	1,302,165	1913.....	2,714,420	8,482,562
1888.....	539,467	1,445,001	1914.....	2,239,797	6,999,374
1889.....	636,439	1,704,747	1915.....	2,065,613	6,455,041
1890.....	767,588	2,056,035	1916.....	2,584,061	8,075,190
1891.....	1,130,277	3,027,528	1917.....	2,433,888	8,235,710
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	2,980,251	*1920.....	3,095,011	18,105,814
1895.....	1,058,045	2,834,049	*1921.....	2,890,291	15,076,774
1896.....	1,003,769	2,688,666	*1922.....	2,927,033	14,622,317
1897.....	1,019,300	2,730,510	*1923.....	2,823,396	13,813,520
1898.....	1,263,680	3,384,558	Total.....	74,849,965	256,105,043

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

Table 111.—Output by Principal Collieries in British Columbia for 1921, 1922 and 1923 (Average of 500 tons or over per month)

(Short Tons)

Name	Address	1921	1922	1923
CROW'S NEST PASS DISTRICT—				
Corbin Coal and Coke Co.	Corbin	72,021	50,227	53,387
Crow's Nest Pass Coal Co.	Fernie	774,845	569,339	775,333
Total		846,866	619,566	828,720
INLAND DISTRICT—				
Coalmont Collieries, Ltd.	Coalmont	70,343	159,954	146,537
Fleming Coal Co., Ltd.	Merritt	45,026	47,967	5,572
Middlesboro Collieries, Ltd.	Middlesboro	75,927	77,650	84,965
Princeton Coal and Land Co.	Princeton	16,865	23,880	20,264
All other operators			506	559
Total		208,161	310,047	257,897
ISLAND DISTRICT—				
Canadian Collieries	Victoria	806,734	760,635	638,330
Granby Cons. Mgr., S. and P. Co.	Cassidy	301,237	310,149	271,559
Nanaimo Wellington Collieries, Ltd.	Wellington	50,753	113,165	97,364
Western Fuel Corporation of Canada	Nanaimo	667,540	813,471	729,436
Total		1,835,264	1,997,420	1,736,689
Total for British Columbia		2,890,291	2,927,033	2,823,306

Table 112.—Output by Districts in British Columbia for 1921, 1922 and 1923

(Short Tons)

District	1921	1922	1923
Crows' Nest Pass	846,866	619,566	828,720
Inland	208,161	310,047	257,897
Island	1,835,264	1,997,420	1,736,689
Total	2,890,291	2,927,033	2,823,306

Table 113.—Tonnage Lost in British Columbia Mines, showing by Districts the Relative Percentages Produced and Lost, with an Analysis of the Percentage Lost, 1922 and 1923

District	Year	% Produced	% Lost	Per Cent Lost Through				
				Absenteeism	Lack of orders	Car shortage	Mine disability	Other causes
Crows' Nest Pass	1922	78	22	3·0	5·0	10·0	.....	4·0
	1923	70	30	2·5	25·8	0·4	.....	1·3
Inland	1922	87	13	0·3	11·3	0·5	0·2	0·7
	1923	86	14	.....	13·0	0·7	.....	0·3
Island	1922	85	15	4·0	10·0	.....	0·3	1·0
	1923	86	14	2·0	10·9	0·2	0·3	0·6
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

Table 114.—Disposition of Coal Output from British Columbia Mines, 1922 and 1923
(Short Tons)

Disposition	1922				1923			
	Run-of-mine	Screened	Slack	Total coal	Run-of-mine	Screened	Slack	Total coal
Supplied to employees for domestic consumption.....	1,040	28,420	288	29,748	1,440	20,237	2	27,679
Used for colliery boilers.....	34,160	5,257	147,478	186,895	45,194	17,089	156,597	218,880
Used by company's railroads.....	785	22,757	3,656	27,198	2,477	15,318	—	17,735
Shipped (See Table 115).....	533,799	1,340,844	514,500	2,389,143	664,698	1,134,278	428,317	2,227,293
Used in making coke at colliery.....	—	8,484	68,879	77,363	—	—	100,537	100,537
Put on bank.....	2,757	49,497	28,253	80,507	7,175	75,627	17,374	100,176
Put on waste heap.....	4,822	103,312	135,163	243,297	1,015	130,094	93,527	224,636
Total Disposition	577,363	1,558,571	898,217	3,034,151	721,999	1,398,642	796,354	2,916,996
Lifted from bank.....	19,375	46,864	40,879	107,118	6,547	71,118	16,025	93,690
Total Output	557,988	1,511,707	857,338	2,927,033	715,452	1,327,525	780,329	2,823,306

Table 115.—Shipments of Coal from British Columbia Mines by Grades and Destinations, 1922 and 1923

(Short Tons)

Destination	1922				1923			
	Run-of-mine	Screened	Slack	Total coal	Run-of-mine	Screened	Slack	Total coal
British Columbia.....	84,623	639,008	230,990	954,681	51,944	510,746	243,149	805,839
Alberta.....	4,979	320	5,347	10,616	9,989	168	7,807	18,054
Saskatchewan.....	13,213	3,279	10,458	26,950	17,882	2,812	11,016	31,710
Manitoba.....	8,371	235	674	9,280	10,507	72	1,808	12,387
United States.....	34,074	324,627	110,140	468,841	33,554	165,065	32,855	231,474
Railroads.....	388,539	58,780	153,080	600,399	540,822	121,873	123,287	785,982
Other places.....	—	1,086	112	1,198	—	—	8,305	—
Bunker.....	—	313,449	3,699	317,148	—	333,542	—	341,847
Total	533,799	1,340,844	514,500	2,389,143	664,698	1,134,278	428,317	2,227,293

Table 116.—Exports of Canadian Coal through British Columbia Ports, 1921, 1922 and 1923

(Short Tons)

—	1921	1922	1923
Abbotsford.....	285	471	717
Cranbrook.....	193,712	178,799	112,682
Fernie.....	528,174	316,469	367,900
Grand Forks.....	—	471	—
Nanaimo.....	—	431,501	304,567
Nelson.....	—	267	45
New Westminster.....	—	1,043	—
Penticton.....	25,934	77,365	48,340
Prince Rupert.....	—	945	3,058
Rossland.....	—	10	—
Vancouver.....	—	172	708
Victoria.....	—	1,035	809
Total	1,182,496	1,047,430	838,017

Employees, Salaries and Wages.—The average number of salaried employees on the coal mines staffs in British Columbia shewed a slight decrease with a corresponding reduction in salaries paid. The different classes and numbers employed therein are given in Table 117.

The average number of men employed about the mines in 1923 was 5,881, as against 6,142 in 1922. These were employed steadily throughout the year with an average of 261 days employment. The total wages paid was \$8,967,473, or a decrease of \$264,417, and the total number of man-days' work done showed a decrease of 54,725 days. Comparative figures, with average wages earned and number of days work performed, are shown in Table 119. More complete statistics as to the total number of the different classes of workers employed may be studied in Table 120.

Table 117.—Salaried Employees and Salaries Paid on the Coal Mine Staffs in British Columbia, 1922 and 1923

	1922			1923		
	Number		Total salaries	Number		Total salaries
	Male	Female		Male	Female	
Salaried officers of corporation.....	25	1	\$157,300	22	1	\$114,085
General superintendents and managers.....	51	.....	180,155	39	.....	149,896
Technical experts and accountants.....	105	.....	238,418	94	.....	239,418
Clerks, stenographers and salesmen.....	91	15	184,763	91	22	187,967
Total.....	272	16	760,964	246	23	721,366

Table 118.—Time Worked, Showing the Number of Man-days Worked by Districts in British Columbia, 1922 and 1923

District	1922			1923		
	Surface	Under-ground	Total	Surface	Under-ground	Total
Crows' Nest Pass.....	69,004	175,066	244,970	87,847	221,630	309,477
Inland.....	42,332	96,363	138,595	43,542	90,491	134,033
Island.....	425,148	779,191	1,204,339	411,609	678,060	1,089,669
Total.....	536,384	1,034,520	1,570,904	542,098	900,181	1,533,179

Table 119.—Number of Employees, Work Done by Months and Total Wages Paid in the Coal Mines of British Columbia in 1923, with Comparative Totals for 1922*

Month	Number of Employees			Days' Work Done			Wages Paid \$
	Surface	Under-ground	Total	Surface	Under-ground	Total	
1923							
January.....	1,881	4,706	6,587	48,461	102,615	151,106	
February.....	1,904	4,630	6,534	47,030	98,813	145,845	
March.....	1,853	4,417	6,200	46,809	95,570	142,385	
April.....	1,745	4,329	6,074	40,020	77,902	117,922	
May.....	1,687	3,940	5,627	37,346	61,883	99,229	
June.....	1,650	3,798	5,448	56,283	76,122	132,405	
July.....	1,627	3,798	5,425	54,269	75,841	130,110	
August.....	1,685	3,901	5,586	46,302	85,823	132,125	
September.....	1,889	3,960	5,649	41,285	73,962	115,217	
October.....	1,877	4,019	5,896	45,359	85,201	130,560	
November.....	1,895	4,123	5,818	39,999	78,639	118,558	
December.....	1,669	4,150	5,825	39,860	77,497	117,357	
Total.....				543,023	998,206	1,533,229	\$8,967,473
1923							
Average.....	1,730	4,151	5,881	314 days per year	239 days per year	261 days per year	\$5.85 per day
1922							
Total.....				536,409	1,051,545	1,587,951	\$9,231,890
Average.....	1,831	4,311	6,142	293 days per year	243 days per year	258 days per year	\$5.81 per day

*Data given include Yukon coal mine employees, 1 surface and 1 underground who each did 25 days' work.

Table 120.—Average Number of Employees in British Columbia Coal Mines, by Classes, 1922 and 1923

Classification	1922			1923		
	Surface	Under-ground	Total	Surface	Under-ground	Total
SURFACE—						
Administration.....	32	2	34	31	2	33
Foremen and clerks.....	145	1	146	136	.....	136
Screenmen and loaders.....	184	.....	184	185	.....	185
UNDERGROUND—						
Officials.....	.....	182	182	.....	182	182
Hand cutters and helpers.....	2,068	2,068	2,068	2,061	.....	2,061
Machine cutters.....	78	78	78	46	.....	46
Machine loaders and helpers.....	35	35	35	53	.....	51
Horse haulage employees.....	5	387	392	3	428	431
Mechanical haulage employees.....	11	387	398	3	415	418
Ventilation employees.....	1	54	55	68	.....	68
Roadmakers.....	1	112	113	93	.....	93
Timbermen.....	5	163	168	5	106	201
Pumpmen.....	1	41	42	38	.....	38
MISCELLANEOUS—						
Enginemen.....	93	.....	93	85	.....	85
Firemen.....	62	.....	62	69	.....	69
Machinists.....	93	1	94	90	3	93
Carpenters and masons.....	112	.....	112	97	.....	97
Other mechanics.....	105	9	114	154	11	165
All other white employees.....	568	377	945	560	277	837
Japanese.....	8	70	78	5	63	68
Chinese.....	399	341	740	306	213	519
Indians.....	6	3	9	2	.....	2
Total.....	1,831	4,311	6,142	1,730	4,151	5,881

Imports and Distribution.—Table 121, as compiled from data furnished by the Department of Customs, gives the imports of anthracite and bituminous coal into British Columbia by ports of entry for each of the last three years. The greatest portion of the fuel imported came from the United States and Vancouver was given as the port of entry for nearly half of the total importations. The province is, however, self-sustaining in the matter of coal supply and is able to export considerable quantities.

The distribution of coal through the retail dealers of British Columbia, as compiled from records supplied to the Internal Trade Branch, has been shown in Table 122.

Table 121.—Imports into British Columbia of Anthracite and Bituminous Coal by Grades and Ports of Entry, 1921, 1922 and 1923
(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....1921	.....	.....	.....	49	.....	49	49
	1922.....	.....	.....	.....	68	2	70	70
	1923.....	.....	.....	200	.....	.....	200	200
Cranbrook.....	U.S....1921	.....	.....	.....	.....	.....	.....	.....
	1922.....	.....	.....	.....	.....	.....	.....	.....
	1923.....	61	.....	61	.....	.....	.....	61
Fernie.....	U.S....1921	.....	.....	.....	.....	.....	.....	.....
	1922.....	.....	.....	.....	.....	.....	.....	.....
	1923.....	.....	.....	40	.....	.....	40	40
Grand Forks.....	U.S....1921	.....	.....	.....	.....	.....	.....	.....
	1922.....	.....	.....	.....	.....	.....	.....	.....
	1923.....	.....	.....	37	.....	.....	37	37
Greenwood.....	U.S....1921	.....	.....	.....	.....	.....	.....	.....
	1922.....	.....	.....	.....	.....	.....	.....	.....
	1923.....	.....	.....	24	.....	.....	24	24
Nanaimo.....	U.S....1921	.....	.....	.....	.....	.....	.....	.....
	1922.....	.....	.....	.....	32	.....	32	32
	1923.....	.....	.....	36	.....	.....	36	36

Table 121.—Imports into British Columbia of Anthracite and Bituminous Coal by Grades and Ports of Entry, 1921, 1922 and 1923—Concluded
(Short Tons)

Port	Source and Year	Anthracite			Bituminous			Total all Grades
		Egg, Nut, etc.	Dust	Total	Round and run-of-mine	Slack	Total	
Nelson	U.S. 1921				262		262	262
	1922				408	85	493	493
	1923				407	119	526	526
New Westminster	U.S. 1921				3,803	40	3,849	3,849
	1922				814	89	903	903
	1923	2		2	2,413		2,413	2,415
Penticton	U.S. 1921				5		5	5
	1922				12		12	12
	1923							
Prince Rupert	U.S. 1921		2	2				2
	1922		1	1				3,320
	1923				60	5,207	5,267	5,267
Revelstoke	U.S. 1921				72		72	72
	1922				30	32	62	62
	1923					33	33	33
Rossland	U.S. 1921							
	1922							
	1923							
Vancouver	U.S. 1921	249		219	12,535	43	12,578	12,827
	1922	34		34	8,190	221	8,411	8,415
	1923	56		56	(a) 10,504		(a) 10,504	10,560
Other Countries	1922	1,226		1,226	504		504	1,730
	G.B. 1923					1		1
Victoria	U.S. 1921				235		235	235
	1922				118	50	168	168
	1923	55		55	378	815	1,193	1,248
Total	U.S. 1921	249	2	251	16,926	155	17,081	17,332
	1922	34	1	35	9,664	3,798	13,462	13,497
	1923	174		174	(a) 14,075	6,174	(a) 20,219	20,423
Other Countries	1922	1,226		1,226	504		504	1,730
	G.B. 1923					1		1

(a) Includes 2,331 tons Lignite Coal imported from U.S.

Table 122.—Distribution of Coal through Retail Dealers in British Columbia by Municipalities, 1922 and 1923
(Compiled in the Internal Trade Branch)
(Short Tons)

Cities and Towns	Year	Anthracite Coal from		Bituminous Coal from		Canadian Bituminous, Lignite and Others	Total
		United States	Great Britain	United States	Great Britain		
Kamloops	1922	213				11,547	11,760
Mission City	1923			56		8,010	8,066
Nelson	1922		84			1,414	1,414
New Westminster	1923	41		262		549	633
Revelstoke	1922			367		13,887	14,190
Rossland	1922					16,822	17,189
Vancouver	1922	2,799		10,382		21,683	21,683
Victoria	1922					18,674	18,674
Other Municipalities (38)	1923	779		42		1,079	1,229
	1923	203		484		2,490	2,490
Total	1922	3,934		10,716		185,087	198,268
	1923	287		4,242		165,365	168,700

YUKON

Small quantities of coal have been mined in the Yukon in recent years and Table 123 presents an historical summary of the annual production. Only a small number of men, usually about three are employed. The records of exports and imports of coal through Yukon ports have been collected in Tables 125 and 126.

Table 123.—Output of Coal from Yukon Territory Mines, 1901-1923

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	129,232
1906.....	7,000*	28,000	1918.....	2,900	11,000
1907.....	15,000	60,000	1919.....		
1908.....	3,847	21,158	1920.....	233	2,472
1909.....	7,364	49,502	1921.....	465	4,650
1910.....	16,185	110,925	1922.....	313	1,485
1911.....	2,810	12,780	1923.....		
1912.....	9,245	44,958	Total.....	136,076	752,657

*Part of this production was mined in 1900.

†Value not reported, but estimated.

NOTE.—For the years 1919-1923 the tonnage shown is the total output from all mines; for previous years the figures shown includes only sales, colliery consumption, and coal used by operators.

Table 124.—Disposition of Coal Output from Yukon Mines by Grades, 1922 and 1923
(Short tons)

Disposition	1922				1923			
	Run-of-Mine	Screened	Slack	Total coal	Run-of-Mine	Screened	Slack	Total coal
Used under colliery boilers, etc.			5	5				
Shipped (all to Yukon points).....	300	81	79	460		440	20	20
Total Disposition.....	300	81	84	465		440	20	460
Lifted from Bank.....						147		147
Total output.....	300	81	84	465		293	20	313

Table 125.—Exports of Canadian Coal through Yukon Ports, 1921, 1922 and 1923
(Short Tons)

Port	1921	1922	1923
Dawson.....	32		16
Whitehorse.....			30
Total.....	32		46

Table 126.—Imports into Yukon of Anthracite and Bituminous Coal by Grades and Ports of Entry, 1921, 1922 and 1923

(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. 1921.....	.....	.....	.....	.....	.....	.....	.....
	1922.....	.....	.....	.....	17	.....	17	17
	1923.....	.....	.....	.....	5	.....	5	5
White Horse.....	U.S. 1921.....	5	5
	1922.....	15	15
	1923.....
Total.....	U.S. 1921.....	5	5	5
	1922.....	32	32	32
	1923.....	5	5	5

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