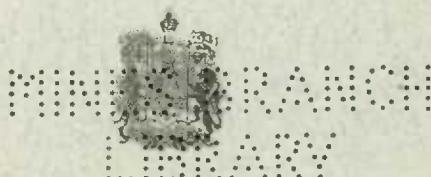


CANADA
DOMINION BUREAU OF STATISTICS
MINISTERIAL METALLURGICAL AND CHEMICAL BRANCH

COAL STATISTICS FOR CANADA

FOR THE CALENDAR YEAR
1922

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
1923

LIST OF PUBLICATIONS

PREPARED IN THE

MINING, METALLURGICAL AND CHEMICAL BRANCH DOMINION BUREAU OF STATISTICS

(1) Mineral Production (Mining and Metallurgy).

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.

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

(2) Statistics of Manufactures, based chiefly on minerals.

Summary reports on the sections of manufactures covered by the Mining, Metallurgical and Chemical Branch are issued as follows:—

Annual—

1. **Iron and its Products:** Blast Furnaces and Steel Mills—Foundries and Machine Shops—Iron and Steel Fabrication—Boilers and Engines—Agricultural Implements—Machinery—Motors and Cycles—Car and Car Repairs—Heating and Ventilating Appliances—Wire and Wire Goods—Sheet Metal Goods—Hardware and Tools.
2. **Manufactures of Non-Ferrous Metals:** Aluminium Ware—Brass and Copper Products—Lead, Tin and Zinc Products—Manufactures of the Precious Metals—Electrical Apparatus and Supplies—Miscellaneous Non-Ferrous Metal Goods.
3. **Manufactures of Non-Metallic Minerals:** Abrasive Products—Asbestos Products—Coke and its Products—Gas, Illuminating and Fuel—Glass and its Products—Graphite Products—Petroleum and its Products—Stone and Concrete Products—Miscellaneous Non-Metallic Mineral Products.
4. **Chemicals and Allied Products:** Coal Tar and its Products—Acids, Alkalies, Salts and Compounds—Gases—Explosives—Antiseptics, Fireworks and Matches—Fertilizers—Medicinal and Pharmaceutical Preparations—Paints, Pigments and Varnishes—Soaps, Washing Compounds and Toilet Preparations—Inks, Dyes and Colours—Wood Products and Extracts—Miscellaneous Chemical Industries.

Monthly—

(1) Production of Iron and Steel in Canada.

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

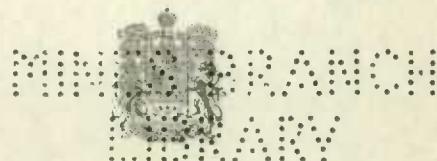
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PREFACE

The present report on Coal Statistics for Canada covering the calendar year 1922 is issued in continuance of the similar report for 1921, the edition of which was taken up within a few weeks. It 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 two 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 direct supervision 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, July 31, 1923.

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 cooperation 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 receives 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 is made; stocks in store are compiled monthly for seaboard points, and quarterly for the whole country.

(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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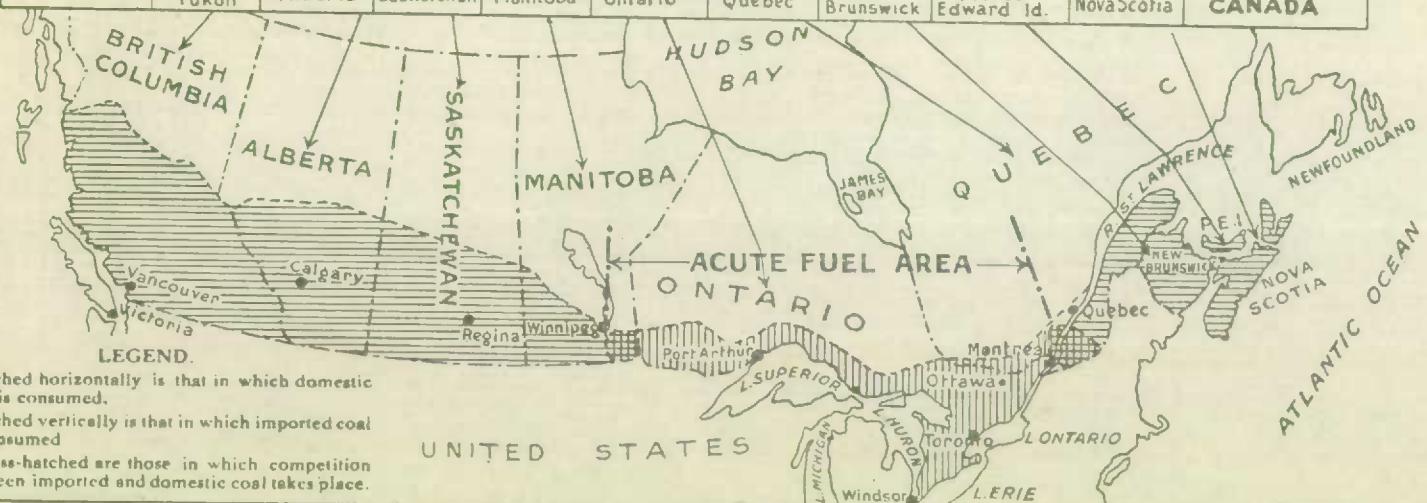
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(SHORT TONS)

CONDENSED TABLE BASED ON RETURNS BY DOMINION BUREAU OF STATISTICS

	B. C. and Yukon	Alberta	Saskatch'wan	Manitoba	Ontario	Quebec	New Brunswick	Prince Edward Id.	NovaScotia	CANADA
CONSUMPTION AND PRODUCTION										
Consumption	1,961,337	4,120,087	1,463,952	785,642	11,137,714	4,267,265	701,753	76,939	3,081,584	27,596,273
Production	2,927,498	5,990,911	382,437				287,513		5,569,072	15,157,431
Consumption more or less than production by	- 966,161	- 1,870,824	+ 1,081,515	+ 785,642	+ 11,137,714	+ 4,267,265	+ 414,240	+ 76,939	- 2,487,488	+ 12,438,842
IMPORTS										
From U.S.A	13,529	1,147	1,715	89,563	11,091,194	2,106,116	101,474	5,944	27,652	134,38,294
From Gt Britain ⁽¹⁾					7,829	762,033	38,551		8,912	817,325
From other Countries	1,730				75					1,805
Total Imports in % of Consumption	0.8%	0.03%	0.12%	11.4%	99.65%	67.2%	19.95%	7.7%	1.2%	51.7%
Provincial % of total imports	0.1%	0.08%	0.01%	0.62%	77.8%	20.1%	1.0%	0.04%	0.25%	100%
	B. C. and Yukon	Alberta	Saskatch'wan	Manitoba	Ontario	Quebec	New Brunswick	Prince Edward Id.	NovaScotia	CANADA

PACIFIC OCEAN

⁽¹⁾ Over 2,000,000 tons supplied to railroads.⁽²⁾ In % of imports from U.S.A., 6%; of total consumption, 3%.⁽³⁾ Does not include interprovincial trade.⁽⁴⁾ Part of this in transit to Ontario.

DOMINION BUREAU OF STATISTICS

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

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

COAL STATISTICS FOR CANADA

FOR THE CALENDAR YEAR 1922

CHAPTER ONE

DOMINION REVIEW

Output and Disposition

Output—The output of coal from Canadian mines during the calendar year 1922 was 15,157,431 short tons, as compared with 15,057,493 tons in 1921 and the record output of 16,946,764 tons in 1920. Fifteen disputes between employees and employers occurred in the coal-mining industry in Canada during the twelve months ending December, thirteen of which were in Alberta and south-eastern British Columbia and the other two in Nova Scotia. In all, 25,251 men were affected and 1,222,288 working days' time was lost. Of this time, 931,960 days were lost in the strike which began on April 1; 260,034 days were lost in the short strikes originating in August; 19,036 shifts were lost in short strikes in December and the rest of the time was lost in minor strikes during the year.

The value of the 1922 output was reported as \$65,518,497, or an average of \$4.32 per ton. Higher values were recorded in 1921 and in 1920. Table 1 gives an historical summary of the output and value of coal mined in Canada for each year since 1881.

In the first three months of the year, production was well maintained, but from April to August inclusive, in 1922, the monthly output of coal from Canadian mines varied between 600,000 tons and 900,000 tons; with the resumption of operations in September the output was greatly increased reaching a peak of 1,934,616 tons in October. This was the highest monthly output ever recorded in Canada.

In spite of the losses occasioned by the strike, Alberta retained the premier position among the coal-producing provinces with an output of 5,990,911 tons. Nova Scotia was a close second with 5,569,072 tons and British Columbia mines contributed 2,927,033, placing that province in the third position. Saskatchewan and New Brunswick produced respectively 382,437 tons and 287,513 tons.

Table 1.—Output of Coal from Canadian Mines, 1785–1922

Year	Short tons	Value	Average per ton	Year	Short tons	Value	Average per ton
1785-1880.....	16,426,253	\$28,190,518	\$ 1.72	1901.....	6,480,325	\$12,899,243	1.96
1881.....	1,537,106	2,688,621	1.75	1902.....	7,466,681	15,210,877	2.04
1882.....	1,848,148	3,248,446	1.76	1903.....	7,960,384	15,942,833	2.00
1883.....	1,818,681	3,109,635	1.71	1904.....	8,254,595	16,592,231	2.01
1884.....	1,984,959	3,503,831	1.81	1905.....	8,667,948	17,520,263	2.02
1885.....	1,920,977	3,417,807	1.78	1906.....	9,762,601	19,732,018	2.02
1886.....	2,116,653	3,739,810	1.77	1907.....	10,511,426	24,381,842	2.32
1887.....	2,429,330	4,388,206	1.81	1908.....	10,886,311	25,194,573	2.31
1888.....	2,602,552	4,674,140	1.80	1909.....	11,501,175	24,781,236	2.36
1889.....	2,658,303	4,804,287	1.84	1910.....	12,909,152	30,099,779	2.39
1890.....	3,081,682	5,676,247	1.84	1911.....	11,323,388	26,467,646	2.34
1891.....	3,577,749	7,019,425	1.96	1912.....	14,512,820	36,019,044	2.48
1892.....	3,287,745	6,363,757	1.94	1913.....	15,012,178	37,331,940	2.49
1893.....	3,783,499	7,359,080	1.95	1914.....	13,637,529	33,471,801	2.45
1894.....	3,847,070	7,429,468	1.93	1915.....	13,267,023	32,111,182	2.42
1895.....	3,478,344	6,739,153	1.94	1916.....	14,483,395	38,817,481	2.68
1896.....	3,745,716	7,226,462	1.93	1917.....	14,046,759	43,199,831	3.08
1897.....	3,786,107	7,308,597	1.93	1918.....	14,977,926	55,192,896	3.68
1898.....	4,173,108	8,234,288	1.97	1919*	13,919,096	55,622,670	3.99
1899.....	4,925,051	10,283,497	2.09	1920*	16,946,764	82,406,538	4.86
1900.....	5,777,319	13,742,178	2.38	1921*	15,057,493	72,451,656	4.81
				1922*	15,157,431	65,518,497	4.32

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

Table 2.—Output and Value of Coal in Canada by Kinds and by Provinces, 1920, 1921 and 1922

(Short tons)

Province	1920		1921		Number of Mines	1922	
	Quantity	Value	Quantity	Value		Quantity	Value
Nova Scotia (Bituminous).....	6,437,156	\$ 32,314,523	5,734,928	\$ 27,782,050	57	5,569,072	\$ 24,629,921
New Brunswick (Bituminous).....	171,610	1,091,440	187,192	920,666	19	287,513	1,107,643
Saskatchewan (Lignite).....	335,222	797,828	335,832	823,180	50	382,437	802,053
Alberta { Anthracite.....	127,513	.....	96,964	330,699	.....	40,417	122,538
Alberta { Bituminous.....	3,419,147	.....	2,867,833	14,466,482	.....	2,846,405	12,983,076
Alberta { Lignite.....	3,361,105	.....	2,944,420	12,449,333	.....	3,104,089	11,245,399
Total Alberta.....	6,907,765	30,186,933	5,909,217	27,246,514	357	5,900,911	24,351,913
British Columbia (Bituminous).....	3,095,011	18,105,814	2,890,291	15,676,774	13	2,927,033	14,622,317
Yukon (Bituminous).....	.....	.....	233	2,472	1	465	4,650
Canada	16,946,764	\$ 82,496,538	15,057,493	72,451,656	506	15,157,431	\$ 63,518,497

Table 3.—Output of Coal from Canadian Mines by Months, 1920, 1921 and 1922

(Short tons)

Months	1920	1921	1922
January.....	1,606,238	1,372,734	1,231,855
February.....	1,308,221	1,214,839	1,282,274
March.....	1,309,376	1,142,581	1,446,566
April.....	1,189,856	932,747	672,694
May.....	1,170,074	992,901	734,814
June.....	1,351,708	1,106,932	832,085
July.....	1,326,360	1,170,067	935,363
August.....	1,372,601	1,519,025	851,222
September.....	1,449,205	1,321,214	1,635,736
October.....	1,414,227	1,407,944	1,934,616
November.....	1,748,109	1,522,027	1,856,893
December.....	1,700,789	1,384,482	1,738,313
Total	16,946,764	15,057,493	15,157,431

Tonnage Lost.—For the first time it has been possible to prepare a statement showing the tonnage lost in 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 tonnages lost through each of several different causes. Corresponding data for the entire Dominion have been compiled in Table 4. 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 1922 amounted to 23% of the total output. Of this amount, 12.2% was attributed to "lack of orders", and 6.2% to "other causes." The tonnage lost through absenteeism was 3.1%.

Table 4.—Tonnage Lost in the Coal Mines of Canada in 1922 showing by Provinces the Relative Percentages produced and lost with an Analysis of the Percentage Lost.

Province	Per cent produced	Per cent lost	Percentage Lost Through				
			Absenteeism	Lack of orders	Car shortage	Mine disability	Other causes
Nova Scotia.....	73	27	5.1	11.9	0.7	0.5	8.8
New Brunswick.....	79	21	5.0	13.0	.....	.....	3.0
Saskatchewan.....	77	23	0.3	19.5	0.4	0.5	2.3
Alberta.....	78	22	1.3	13.3	0.9	0.4	6.1
British Columbia.....	84	16	3.2	9.0	2.4	.....	1.4
Canada.....	77	23	3.1	12.2	1.1	0.4	6.2

Disposition.—In Table 5 the disposition of coal from Canadian mines during the past two years has been tabulated, but the items shown differ slightly from those in the similar tables which follow showing the disposition of coal by provinces, in that items have been made to show the tonnages supplied for ships' bunkers and railroads separately from the other shipments. In the subsequent tables, the tonnages for ships' bunkers and railroads have been included under "shipments." A further 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. Shipments of coal, excluding that for ships' bunkers and railroads, were considerably higher in 1922 than in the preceding year although the value of these shipments was appreciably less. On the whole, the disposition of the output in 1922 showed little change from the corresponding data for the preceding year.

Table 5.—Disposition of Coal from Canadian Mines, 1921 and 1922

(Short tons)

	1921			1922		
	Total coal	Total value	Average value per ton	Total coal	Total value	Average value per ton
Supplied to employees for domestic consumption.....	233,198	634,299	2.72	239,189	604,732	2.52
Used for Power Purposes—						
(a) Shops.....	16,228	54,364	3.35	19,445	59,951	3.08
(b) Colliery boilers.....	1,018,340	3,411,439	3.35	923,202	2,846,309	3.08
(c) Companies' railroads.....	77,825	260,714	3.35	89,504	275,949	3.08
(d) Harbour tugs and dredges.....	1,063	5,571	3.35	465	1,433	3.08
Shipped. (See Table 8)—						
(a) Ships' bunkers.....	347,132	2,034,194	5.86	620,789	3,532,761	5.64
(b) Railroads.....	3,211,650	16,539,998	5.15	3,579,212	17,083,811	4.77
(c) Other.....	9,630,705	47,864,604	4.97	9,287,196	41,036,124	4.41
Used in making coke at the colliery.....	109,031	563,690	5.17	77,303	392,091	5.07
Used in making briquettes.....	57,213	139,028	2.43	20,569	27,357	1.33
Put on bank.....	493,723	2,364,933	4.79	689,111	3,309,460	4.80
Put on waste heap.....	409,503	110,566	0.27	336,506	6,425	0.02
Total Disposition.....	15,606,211	73,983,400	4.74	15,888,551	69,176,403	4.35
Lifted from bank.....	518,718	1,531,744	2.79	731,120	3,657,906	5.00
Total Output.....	15,057,493	72,451,656	4.81	15,157,431	65,518,497	4.32

Table 6.—Disposition of Coal from Canadian Mines by Provinces, 1921

(Short tons)

	Nova Scotia	New Brunswick	Saskat-chewan	Alberta	British Columbia and Yukon	Total for Canada
Supplied to employees for domestic consumption.....	148,876	1,604	3,853	49,833	29,032	233,198
Shops, etc.....	16,228					16,228
Used under colliery boilers, etc.....	465,181	2,438	14,776	335,953	199,992	1,018,310
Used by company's railroad.....	49,290		3,250	7,233	18,053	77,523
Shipped. (See Table 8).....	5,006,015	181,001	309,919	5,406,109	2,286,440	13,189,187
Used for making coke at colliery.....					109,031	109,031
Harbour tugs and dredges.....	1,663					1,663
Used in making briquettes.....						57,213
Put on bank.....	321,462	11,028	2,456	75,852	82,926	493,723
Put on waste heap.....	40,486	51	3,456	73,144	292,366	409,503
Total Disposition	6,619,201	196,120	337,710	6,065,338	3,017,842	15,006,211
Lifted from bank.....	314,273	8,928	2,078	69,416	127,318	527,013
Lifted from waste heap.....				28,705		28,705
Total Output	5,731,928	187,192	335,632	5,999,217	2,890,524	15,057,493

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	51,901	29,748	239,198
Shops, etc.....	19,445					19,445
Used under colliery boilers, etc.....	439,083	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 8).....	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	2,049	64,317	243,207	336,506
Total Disposition	6,095,001	308,344	385,832	6,064,658	3,034,616	15,888,551
Lifted from bank.....	525,929	20,831	3,195	73,747	107,118	731,120
Total Output	5,569,072	287,513	382,437	5,990,911	2,927,498	15,157,431

Shipments.—A compilation has been made in Table 8 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 7,996,485 tons in 1922 as compared with 7,796,342 tons so shipped in 1921. More Canadian coal was sold for ships' bunkers and for railroad consumption in 1922 than in the preceding year. For these two purposes, 4,206,001 tons was disposed of at the mines. The amount sold for railroad locomotive use was 3,579,212 short tons. The total consumption of coal by railroad locomotives (shown in Table 26) was 9,041,087 tons. Thus, it appears that about one-third of the total consumption of coal by railroad locomotives last year was of Canadian origin. Foreign shipments reported by mine operators and including only the coal shipped direct from the mines for export trade amounted to 1,290,711 tons last year. The total tonnages of Canadian coal cleared through customs ports was 1,818,582 tons. 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 million tons of Canadian coal was burned in Canada during 1922, and of this amount about one-half was consumed in the producing provinces and approximately four million tons of Canadian coal moved in interprovincial trade during the year. Shipments of Nova Scotia coal to other Canadian provinces principally New Brunswick, Prince Edward Island and Quebec amounted to almost 1,883,000 tons. The province of Quebec received about 1,454,000 tons of Canadian coal, an increase of 552,000 tons above the receipts of Canadian coal in the preceding year and fully 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 1922. Shipments of Canadian coal into the province of New Brunswick were about 404,000 tons, while the shipments from that province to other points in Canada amounted to 63,000 tons. Only about 17,000 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 720,000 tons. Saskatchewan's receipts of Canadian coal were about 1,255,000 tons, while the shipments from that province to other places in Canada were nearly 170,000 tons. Alberta coal to the extent of 1,882,000 tons found its way to other Canadian provinces and 47,000 tons of British Columbia coal was also shipped for consumption in other parts of Canada.

Table 8.—Shipments of Coal from Canadian Mines by Grades and Destinations, 1921 and 1922

(Short tons)

Destination	1921				1922			
	Run of mine	Screened	Slack	Total	Run of mine	Screened	Slack	Total
Nova Scotia.....	820,946	458,701	259,936	1,539,583	633,310	453,722	211,037	1,298,069
Prince Edward Island.....	20,198	51,417	469	72,084	13,982	56,537	476	70,995
New Brunswick.....	445,378	187,069	24,072	637,419	327,004	182,377	52,839	562,220
Quebec.....	823,063	22,350	56,313	901,756	1,188,408	17,239	250,069	1,471,316
Ontario.....	541	7,872	3,491	11,904	14,227	22,123	2,457	38,807
Manitoba.....	170,113	451,119	54,961	676,196	133,242	501,699	63,220	694,161
Saskatchewan.....	197,615	994,249	98,536	1,290,400	226,485	1,096,848	109,063	1,432,398
Alberta.....	257,405	851,553	250,405	1,359,363	263,409	851,790	258,295	1,373,191
British Columbia.....	175,875	718,979	383,909	1,278,763	120,197	713,777	233,591	1,067,567
Yukon.....		8,842	32	8,874	300	81	79	460
Total Domestic Shipments	2,911,164	3,752,151	1,133,027	7,796,342	2,018,564	3,896,133	1,181,728	7,996,485
Railroads.....	3,014,260	163,181	34,209	3,211,630	3,220,113	186,024	173,075	3,579,212
Ships' Bunker.....	344,840	2,322		347,132	301,799	321,081	3,009	626,789
Total Railroads and Ships' Bunkers	3,359,070	165,503	34,209	3,558,782	3,521,912	507,105	176,984	4,265,001
United States.....	627,658	251,357	199,600	1,078,624	568,912	348,060	147,263	1,064,235
Newfoundland.....	103,081	100,599	3,843	207,533	78,854	127,376	9,992	216,222
West Indies.....	905			905				
Europe.....	365,982	6,104		372,066		336		386
Other Places.....	115,676	57,314	1,871	174,861	1,718	7,868	112	9,698
Lost at Sea.....	384			384		170		170
Total Foreign Shipments	1,213,666	415,374	205,323	1,834,363	649,484	483,860	157,367	1,290,711
Total	7,483,900	4,333,025	1,372,550	13,189,457	7,899,960	4,887,158	1,516,079	13,493,197

Exports.—Exports of Canadian coal were lower in 1922 than in any of the three preceding years. Three tables have been prepared dealing with exports. Table 9 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 10 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 11 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 9.—Exports of Canadian Coal, 1913-1922

(Compiled in The External Trade Branch from Customs Records)

(Short tons)

Year	Short tons	Value	Year	Short tons	Value
1913.....	1,562,020	3,961,351	1918.....	1,817,195	9,405,423
1914.....	1,423,126	3,780,175	1919.....	2,070,050	12,438,885
1915.....	1,766,543	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
			Total.....	18,871,456	92,549,800

Table 10.—Exports of Canadian Coal from Eastern and Western Canada, 1920, 1921 and 1922

(Short tons)

	1920	1921	1922
Eastern Canada.....	1,360,097	799,582	763,115
Western Canada.....	1,198,126	1,187,694	1,055,467
Total Exports.....	2,558,223	1,987,276	1,818,582

Table 11.—Exports of Canadian Coal by Destination, 1920, 1921 and 1922

(Compiled in the External Trade Branch)

(Short tons)

Destination	1920		1921		1922	
	Short tons	Value	Short tons	Value	Short tons	Value
	\$	\$	\$	\$	\$	\$
United Kingdom.....	136,014	1,384,415	362,086	2,906,588	27,014	231,483
British South Africa.....	10,747	202,345	12,450	110,076	7,406	45,286
British West Africa.....	8,061	49,628				
Bermuda.....	7,055	85,985	624	7,851	1,059	7,408
British East Indies—						
India.....	1,979	23,964			1,377	10,935
British Guiana.....	13,155	166,813	17,224	197,872	7,922	73,127
British West Indies—						
Barbados.....	2,054	38,655	870	7,282	*166	25,526
Jamaica.....	3,000	37,270	275	3,300		
Trinidad.....	4,323	32,523	2,710	22,306		
Other B. W. I.....	1,011	19,420	109	1,417	311	2,772
Egypt and Sudan.....				4,495	36,674	250
Gibraltar.....	34,901	392,642	11,608	96,546	6,284	43,474
Hong Kong.....	2,383	19,064			9	67
Malta.....	1,035	9,315				
Newfoundland.....	392,106	2,720,234	212,611	1,627,703	196,384	1,309,046
Australia.....	28,384	231,913	10,935	104,029	16,724	124,569
New Zealand.....	20,781	225,627	7,750	77,000	3,847	24,043
Total British Empire.....	670,507	5,639,813	643,747	5,198,644	273,354	1,899,736
Argentine.....	14,830	177,827			1,842	11,512
Belgium.....	14,121	142,757	9,648	91,337	4,104	31,733
Brazil.....			1,487	14,870	432	2,595
China.....	15,373	133,192	7,531	67,778	4,391	36,281
Cuba.....	7,183	68,992	903	7,768	5,557	49,981
Denmark.....	6,583	74,015	4,205	35,298	1,820	14,059
Greenland, Iceland, etc.....			2,606	21,746		
Finland.....	136	4,632			296	2,368
France.....	199,044	1,442,787	13,340	115,470	7,219	55,279
French Possessions—						
French Africa.....	51,420	340,223	5,817	50,365	141	1,128
St. Pierre and Miquelon.....	13,559	99,075	11,494	95,506	11,216	77,817
Germany.....	505	4,457	7,970	64,669	2,799	20,964
Greece.....	2,086	26,334				
Hayti.....	125	1,750				
Italy.....	4,621	55,253	5,492	49,418	9,601	76,369
Japan.....	15,031	129,376	37,705	328,405	21,763	178,830
Mexico.....	772	10,466				
Morocco.....	7,074	42,444				
Netherlands.....	241,416	1,662,419	70,054	515,184	5,445	42,870
Netherlands Possessions—						
Dutch East Indies.....	2,055	24,660			933	7,697
Norway.....	41,662	377,458	4,205	34,613	235	1,528
Panama.....	10,045	103,185	1,616	14,544		
Poland.....	4,616	40,552				
Portugal.....	698	8,376				
Russia.....			5,589	42,254	600	4,152
San Domingo.....	548	4,658	230	2,473		
Spain.....	685	9,106			453	3,220
Sweden.....	14,988	106,172			1,096	9,080
United States.....	1,150,264	6,760,143	1,124,277	6,879,119	1,419,786	8,252,995
Alaska.....	45,437	407,876	24,816	217,240	31,159	260,452
Hawaii.....	3,794	34,013			2,202	18,167
Philippines.....	8,442	70,609	4,519	40,671	12,138	100,241
Uruguay.....	1,253	15,189				
Total Foreign Countries.....	1,878,067	12,375,086	1,343,504	8,697,726	1,545,228	9,259,324
Grand Total.....	2,558,174	18,014,899	1,987,251	13,896,370	1,818,582	11,159,060

*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 12, "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 13.

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. In 1922, owing to the great strike which tied up United States mines and some of those in Canada, quantities of coal were imported from Great Britain. Table 14, showing these imports by grades, has therefore been prepared. In all, about 819,000 tons was received, 639,000 tons of which was bituminous and nearly 180,000 tons was entered as anthracite. The receipts at customs ports in Quebec of this coal from Great Britain amounted to 762,108 tons and the balance was almost equally divided between Ontario and Nova Scotia. Undoubtedly, some of the coal cleared through the customs ports of Quebec was later shipped into Ontario. Imports of coal from the United States amounted to 13,438,294 tons comprising 10,924,045 tons of bituminous coal and 2,514,249 tons of anthracite. As compared with the records for the preceding year, the imports of bituminous coal were approximately 2,600,000 tons lower and the imports of anthracite were in the neighbourhood of 2,000,000 tons less.

Tables 15 and 16 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 17 by a compilation showing the average importations of anthracite and bituminous coal from all sources by grades and by provinces during the five years 1918-1922. Similar data for the principal fuel-consuming areas in Central Canada are shown in Table 18.

Table 12.—Imports of Coal into Canada, "Entered for Consumption", 1913-1922
(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 $\frac{1}{4}$ " screen (c)	
	Short tons	Value	Short tons	Value	Short tons	Value
1913.....	4,642,057	\$ 22,031,839	10,743,473	\$ 21,758,658	2,816,423	\$ 4,157,622
1914.....	4,435,010	21,241,924	7,776,415	14,954,321	2,509,632	3,605,253
1915.....	4,072,192	18,753,980	6,106,794	7,504,368	2,286,910	2,027,256
1916.....	4,570,815	22,210,363	5,504,552	12,368,678	3,505,236	3,704,624
1917.....	5,320,198	28,109,586	12,407,486	33,712,894	3,129,776	8,739,877
1918.....	4,785,100	26,007,888	13,656,360	37,291,057	3,237,067	8,351,639
1919.....	4,952,675	31,595,604	10,127,965	24,750,717	2,228,197	4,814,338
1920.....	4,892,313	36,773,351	11,548,475	50,808,626	2,312,754	10,451,621
1921.....	4,553,820	40,293,639	11,194,635	41,000,322	2,553,607	7,630,773
1922.....	2,669,252	23,725,143	8,133,366	30,171,375	2,184,407	7,215,910

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

Table 13.—Imports of Coal into Eastern and Western Canada by Kinds and Grades, 1920, 1921 and 1922

(Short tons)

Destination	Anthracite			Bituminous			Total all grades
	Egg, nut, etc.	Dust	Total Anthracite	Round and run of mine	Slack	Total Bituminous	
Eastern Canada—							
1920.....	4,124,304	471,671	4,598,975	11,727,200	2,154,027	13,881,227	18,480,202
1921.....	4,099,214	173,222	4,272,436	9,084,073	2,378,379	11,462,457	15,731,883
1922 { United States.....	2,215,461	226,282	2,441,743	7,117,737	1,753,066	8,870,983	11,312,516
1922 { Great Britain.....	105,201	13,281	178,482	441,015	197,903	638,918	817,400
1922 { Total.....	2,380,662	239,563	2,620,225	7,558,752	1,950,969	9,509,731	12,129,946
Western Canada—							
1920.....	308,780	5,209	313,989	1,908,745	112,660	2,024,105	2,335,394
1921.....	292,183	2,751	294,934	1,894,312	179,481	2,073,793	2,368,727
1922 { United States.....	68,645	3,861	72,506	1,922,496	130,740	2,053,312	2,125,748
1922 { Other Countries.....	1,226		1,226	504		504	1,720
1922 { Total.....	69,871	3,861	73,732	1,923,090	130,746	2,053,746	2,127,478
Totals—							
1920.....	4,133,084	479,880	4,912,964	13,635,915	2,266,687	15,902,632	20,815,596
1921.....	4,391,397	175,973	4,567,370	10,978,390	2,557,860	13,536,250	18,103,620
1922 { United States.....	2,284,106	230,113	2,511,249	9,010,233	1,883,812	10,924,045	13,438,294
1922 { Great Britain and Other Countries.....	166,427	13,281	179,708	441,519	197,983	638,422	819,130
1922 { Total.....	2,450,533	243,124	2,693,857	9,481,732	2,081,713	11,563,167	14,277,424

Table 14.—Imports of Coal into Canada from Great Britain, by Kinds and Grades and by Provinces, 1922

(Short tons)

Destination	Anthracite		Bituminous		
	Nut, Egg, etc.	Dust	Round and run-of-mine	Slack	
Nova Scotia.....	5,045			3,267	
Prince Edward Island.....					
New Brunswick.....	19,420			1,999	17,132
Quebec (a).....	139,236		13,281	432,037	177,554
Ontario.....	900			3,712	3,217
Manitoba.....					
Saskatchewan.....					
Alberta.....				504	
British Columbia (b).....	1,226				
Yukon.....					
Canada.....	166,427	13,281	441,519	197,983	

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

(b) Imported from Other Countries

Table 15.—Imports of Anthracite Coal into Canada from United States by Kinds and Grades and by Provinces, 1920, 1921 and 1922

(Short tons)

Destination	1920		1921		1922	
	Egg, Nut, etc.	Dust	Egg, Nut, etc.	Dust	Egg, Nut, etc.	Dust
Nova Scotia.....	45,334		62,203		42	21,363
Prince Edward Island.....	5,544		6,643			4,589
New Brunswick.....	57,859		82,509			40,252
Quebec.....	1,180,674	357,782	1,184,445	127,267	633,237	156,210
Ontario.....	3,124,575	116,889	3,024,304	45,913	1,573,545	70,016
Manitoba.....	12,520	4,989	30,724	2,740		10,975
Saskatchewan.....	162	44	254		111	120
Alberta.....	341	176	66			
British Columbia.....	75		249	2	34	
Yukon.....						
Canada.....	4,433,084	479,880	4,391,397	175,973	2,284,106	230,143

Table 16.—Imports of Bituminous Coal into Canada from United States by Kinds and Grades and by Provinces, 1920, 1921 and 1922

(Short tons)

Destination	1920		1921		1922	
	Round and run- of-mine	Slack	Round and run- of-mine	Slack	Round and run- of-mine	Slack
Nova Scotia.....	2,784	260	1,421	454	5,245	988
Prince Edward Island.....	513	.....	238	.....	619	736
New Brunswick.....	936	.....	18,019	23,931	23,982	37,240
Quebec.....	3,100,196	403,214	2,059,632	624,934	1,052,360	264,309
Ontario.....	10,497,651	1,839,252	8,851,892	1,854,854	7,917,917	1,529,676
Manitoba.....	23,601	19,946	25,815	51,018	20,491	45,357
Saskatchewan.....	535	.....	645	1,482	385	1,099
Alberta.....	348	259	797	1,032	538	609
British Columbia.....	9,372	3,756	16,926	165	9,664	3,798
Yukon.....	9	.....	5	.....	32	.....
Canada.....	12,635,945	2,266,687	10,978,390	2,557,860	9,040,233	1,883,812

Table 17.—Average Imports of Coal into Canada by Kinds and Grades and by Provinces for the Five Years 1918-1922

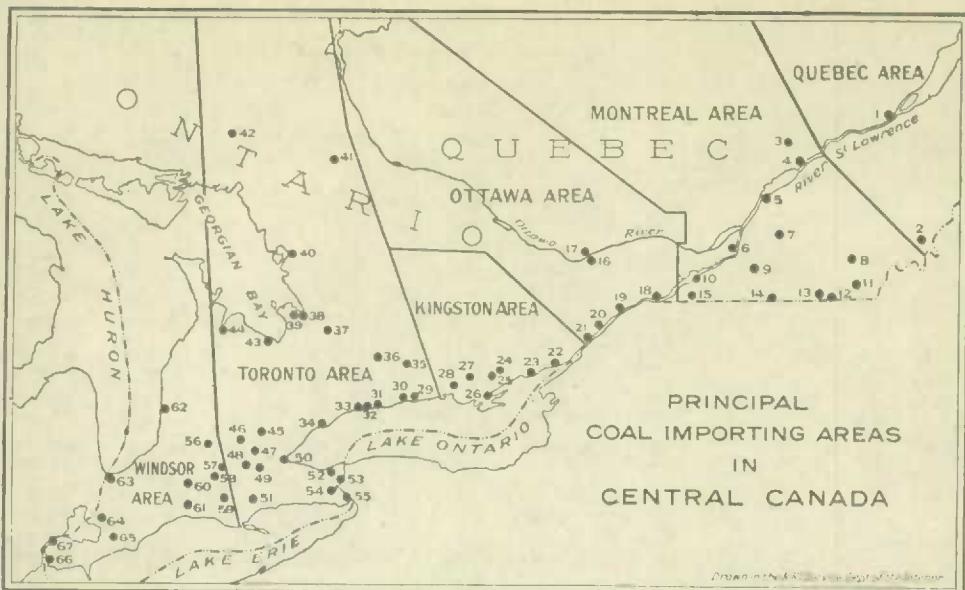
(Short tons)

Destination	Anthracite			Bituminous			Total
	Egg, Nut, etc.	Dust	Total	Round and run- of-mine	Slack	Total	
Nova Scotia.....	49,548	19	49,567	3,884	396	4,280	53,847
Prince Edward Island.....	6,190	.....	6,190	300	147	447	6,637
New Brunswick.....	71,820	574	72,394	13,694	18,115	31,809	104,203
Quebec.....	1,158,820	219,073	1,377,893	2,373,182	638,129	3,011,311	4,389,204
Central Ontario.....	2,569,399	92,561	2,661,960	7,530,872	1,737,221	9,265,093	11,930,653
Head of Lakes.....	277,589	1,469	279,058	1,789,767	119,508	1,889,275	2,165,333
Total Ontario.....	2,846,988	94,030	2,941,018	9,300,639	1,856,729	11,157,365	14,095,386
Manitoba and Head of Lakes.....	13,552	2,391	15,943	26,697	34,880	61,577	77,520
Saskatchewan.....	291,141	3,860	295,001	1,796,464	154,388	1,950,852	2,245,853
Alberta.....	105	41	146	586	661	1,247	1,333
British Columbia.....	94	34	128	458	701	1,159	1,287
Yukon.....	146	.....	146	9,964	2,540	12,504	12,650
Canada.....	4,147,263	316,162	4,463,425	11,729,422	2,552,298	14,281,720	18,745,145

Table 18.—Average Imports of Coal into Central Canada by Principal Areas for the Five Years 1918-1922

(Short tons)

Destination	Anthracite			Bituminous			Total
	Egg, Nut, etc.	Dust	Total	Round and run- of-mine	Slack	Total	
Quebec.....	114,214	19,040	133,254	243,110	51,349	291,459	.....
Montreal.....	1,031,004	196,977	1,228,881	2,090,937	560,595	2,651,532	.....
Ottawa.....	319,324	10,262	329,586	544,823	134,897	679,720	.....
Kingston.....	137,412	729	148,141	81,019	84,835	165,854	.....
Toronto.....	1,773,151	75,700	1,848,851	3,944,846	857,375	4,802,221	.....
Windsor.....	326,878	6,312	333,190	2,107,553	439,569	2,547,122	.....
Total.....	3,702,883	309,820	4,011,903	9,012,288	2,128,626	11,146,909	.....



Key to the Ports of Entry Shown on the Map

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

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 19 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 20 and 21 show these statistics for 1921 and 1922.

Table 19.—Distribution of Coal through Retail Dealers by Provinces, 1921 and 1922

(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.....	1921	43,931	3,964	2,701		162,426	206,357
	1922	19,807				171,407	197,879
New Brunswick.....	1921	61,957		15,280		95,466	175,703
	1922	21,411	2,373	5,873	283	97,111	127,051
Prince Edward Island.....	1921	4,356				26,451	30,810
	1922	8,007				39,480	47,447
Quebec.....	1921	856,462		176,539		56,001	1,089,002
	1922	538,146	8,314	370,467	11,802	113,779	1,042,508
Ontario.....	1921	2,101,410		448,704		15,036	2,565,240
	1922	905,398	22,297	519,705	302	28,348	1,566,050
Manitoba.....	1921	61,774		33,127		230,165	325,056
	1922	45,436		65,237		273,204	383,937
Saskatchewan.....	1921	20,411		2,544		575,855	598,310
	1922	12,985		2,280		616,378	631,643
Alberta.....	1921	4,219		252		372,000	376,471
	1922	1,281		27		343,359	344,697
British Columbia.....	1921	3,601		1,128		289,527	294,256
	1922	3,904		10,716		356,250	370,966
Canada.....	1921	3,161,121		677,664		1,822,930	5,661,715
	1922	1,616,465	36,945	977,096	12,387	2,039,412	4,712,218

Table 20.—Stocks of Coal held by Wholesale and Retail Dealers, by Provinces, at December 31, 1922

(Compiled in the Internal Trade Branch)

(Short tons)

Provinces	Anthra-cite	United States Bitu-minous	Canadian Bitu-minous	Lignite	Other	Total
Nova Scotia.....	4,845		4,891			9,736
New Brunswick.....	10,435		10,813			21,248
Prince Edward Island.....	217		1,553			1,770
Quebec.....	70,606	28,962			212	99,780
Ontario.....	292,148	358,225	1,469	741	390	652,973
Manitoba.....	10,552	2,017	7,879	20,164	1,488	42,100
Saskatchewan.....	4,924	390	1,844	51,530	4,228	62,916
Alberta.....	79,873		2,635	23,809	362	106,679
British Columbia.....	65	48	12,031	505	24	12,673
Canada.....	473,665	389,642	43,115	96,719	6,704	1,009,875

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.....	836	80		53	1,600		110	2,729
Prince Edward Island.....					2,203			2,203
Quebec.....	22,707	262	65,946		1,091		1,907	92,003
Ontario.....	53,219	880	309,300	250	749	212	260	351,879
Manitoba.....	23,505		65,720		8,343	20,480	237	118,285
Saskatchewan.....	2,419		13,717		3,449	52,750	542	72,877
Alberta.....	30		13,529		3,124	22,662		39,345
British Columbia.....	48		35		18,442	732		19,257
Canada.....	106,088	1,222	468,247	1,999	46,677	98,836	3,065	7,241,134

Consumption.—Summary statistics have been prepared in Tables 22, 23 and 24 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 24 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 1922 was 27,596,273 tons as compared with 31,173,837 tons in 1921 and 35,204,137 tons in 1920. 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 1922, Canada produced 15.1 million tons, exported 1.8 million tons, imported from the United States 13.4 million tons and from Great Britain 0.8 million tons and thus apparently consumed 27.5 million tons. In 1921, when the output was 15 million tons, the quantity exported amounted to 1.9 million tons, imports 18.1 million tons and the apparent consumption was 31.2 million tons. While business conditions generally were somewhat depressed in 1922, the decreased consumption of coal was due in part to the difficulty experienced in obtaining sufficient supplies because of the shortage consequent upon the long-drawn-out strike in the coal-fields. As a matter of historical interest, Table 25 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 26.

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

(Short Tons)

Provinces	Canadian Coal				Imported from U.S.A.	Coal Available for Consumption
	Output	Received from other provinces	Shipped to other provinces	Exported		
<i>Nova Scotia—</i>						
Anthracite.....	6,437,156	664	1,421,102	1,245,673	45,334	45,334
Bituminous.....					3,044	3,774,089
Total.....	6,437,156	664	1,421,102	1,245,673	48,378	3,819,423
<i>New Brunswick—</i>						
Anthracite.....	171,610	1,045,771	38,911	113,050	57,859	57,859
Bituminous.....					936	1,006,356
Total.....	171,610	1,045,771	38,911	113,050	58,795	1,124,215
<i>Prince Edward Island—</i>						
Anthracite.....		120,670		2	5,544	5,544
Bituminous.....					513	121,181
Total.....		120,670		2	6,057	126,725
<i>Quebec—</i>						
Anthracite.....		280,880		1,372	1,544,456	1,544,456
Bituminous.....					3,503,410	3,782,918
Total.....		280,880		1,372	5,017,886	5,327,374
<i>Central Ontario—</i>						
Anthracite.....		12,028			2,915,782	2,915,782
Bituminous.....					10,373,324	10,385,352
Total.....		12,028			13,319,106	13,331,134
<i>Manitoba and Head of Lakes—</i>						
Anthracite.....		1,356			313,191	314,547
Bituminous.....		259,695		721	2,007,126	2,266,100
Lignite.....		618,736				618,736
Total.....		879,787		721	2,320,317	3,199,383
<i>Saskatchewan—</i>						
Anthracite.....		4,657			206	4,863
Bituminous.....		176,618		3,132	535	174,021
Lignite.....		1,138,600	151,018			1,322,804
Total.....	335,222	1,319,875	151,018	3,132	741	1,501,688
<i>Alberta—</i>						
Anthracite.....	127,513		11,072		517	116,058
Bituminous.....	3,419,147	9,278	366,568	3,106	607	3,059,358
Lignite.....	3,361,105	599	1,658,895			1,702,809
Total.....	6,907,765	9,877	2,036,535	3,106	1,124	4,879,125
<i>British Columbia and Yukon—</i>						
Anthracite.....		5,059			75	5,134
Bituminous.....		69,225	148,248	1,191,167	13,137	1,837,958
Lignite.....		51,978				51,978
Total.....	3,095,011	126,262	148,248	1,191,167	13,212	1,835,070
<i>Canada—</i>						
Anthracite.....	127,513	11,072	11,072		4,912,964	5,040,477
Bituminous.....	13,122,924	1,974,829	1,974,829	2,558,223	15,902,632	26,467,333
Lignite.....	3,696,327	1,809,913	1,809,913			3,696,327
Total.....	16,946,764	3,795,814	3,795,814	2,558,223	20,815,596	35,201,137

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

(Short Tons)

Provinces	Output	Canadian Coal			Imported from U.S.A.	Coal Available for Consumption
		Received from other provinces	Shipped to other provinces	Exported		
<i>Nova Scotia—</i>						
Anthracite.....	5,734,928	241	1,459,422	727,787	62,245	62,245
Bituminous.....					1,875	3,549,835
Total.....	5,734,928	241	1,459,422	727,787	64,120	3,612,080
<i>New Brunswick—</i>						
Anthracite.....	187,192	499,637	14,296	71,698	82,509	82,509
Bituminous.....					41,950	642,785
Total.....	187,192	499,637	14,296	71,698	124,459	725,294
<i>Prince Edward Island—</i>						
Anthracite.....					6,643	6,643
Bituminous.....		72,084		2	238	72,320
Total.....		72,084		2	6,881	78,963
<i>Quebec—</i>						
Anthracite.....					1,311,712	1,311,712
Bituminous.....		901,756		85	2,684,566	3,586,237
Total.....		901,756		85	3,996,278	4,897,949
<i>Central Ontario—</i>						
Anthracite.....					2,800,327	2,800,327
Bituminous.....				10	8,733,828	8,733,818
Total.....				10	11,543,155	11,543,145
<i>Manitoba and Head of Lakes—</i>						
Anthracite.....		384			294,303	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
<i>Saskatchewan—</i>						
Anthracite.....		3,033			254	3,287
Bituminous.....		150,470		2,633	2,127	149,964
Lignite.....	335,632	983,589	155,954			1,163,207
Total.....	335,632	1,137,092	155,954	2,633	2,381	1,316,518
<i>Alberta—</i>						
Anthracite.....	90,964		5,802		66	91,138
Bituminous.....	2,867,833	7,786	274,700	843	1,829	2,601,905
Lignite.....	2,944,320		1,454,023			1,490,397
Total.....	5,909,217	7,786	1,734,615	843	1,895	4,183,440
<i>British Columbia and Yukon—</i>						
Anthracite.....		2,475			251	2,728
Bituminous.....	2,800,524	58,248	57,037	1,182,528	17,086	1,726,293
Lignite.....		53,905				53,905
Total.....	2,800,524	114,628	57,037	1,182,528	17,337	1,782,924
<i>Canada—</i>						
Anthracite.....	90,064	5,892	5,802		4,567,370	4,664,334
Bituminous.....	11,680,477	1,805,455	1,805,455	1,987,276	13,530,250	23,229,451
Lignite.....	3,280,052	1,609,977	1,609,977			3,280,052
Total.....	15,057,493	3,421,324	3,421,324	1,987,276	18,103,620	31,173,837

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

(Short Tons)

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			
<i>Nova Scotia—</i>							
Anthracite.....	5,569,072	39	1,882,787	641,304	21,410 6,233	5,645 3,207	27,064 3,054,520
Bituminous.....							
Total.....	5,569,072	39	1,882,787	641,304	27,632	8,912	3,081,581
<i>New Brunswick—</i>							
Anthracite.....	287,513	403,742	63,067	66,460	40,252 61,222	19,420 19,131	59,672 642,081
Bituminous.....							
Total.....	287,513	403,742	63,067	66,460	101,474	38,551	701,753
<i>Prince Edward Island—</i>							
Anthracite.....					4,589		4,589
Bituminous.....		70,995			1,355		72,350
Total.....		70,995			5,944		76,939
<i>Quebec—</i>							
Anthracite.....					789,447	152,517	941,964
Bituminous.....	1,454,214			55,275	1,316,669	609,591	3,325,199
Lignite.....	102						102
Total.....	1,454,316			55,275	2,106,116	762,198	4,267,265
<i>Central Ontario—</i>							
Anthracite.....					1,586,036	900	1,586,036
Bituminous.....	(a) 16,864			76	7,485,324	6,029	7,509,041
Total.....	16,864			76	9,071,380	7,829	9,095,977
<i>Manitoba and Head of Lakes—</i>							
Anthracite.....		10			72,240		72,250
Bituminous.....	94,607			2,082	2,037,117		2,120,612
Lignite.....	625,187						625,187
Total.....	720,104			2,082	2,109,357		2,827,379
<i>Saskatchewan—</i>							
Anthracite.....		796			231		1,027
Bituminous.....		147,209		5,040	1,484		143,653
Lignite.....	382,437	1,106,648	169,813				1,319,272
Total.....	382,437	1,254,653	169,813	5,040	1,715		1,463,952
<i>Alberta—</i>							
Anthracite.....	40,417		2,034				38,383
Bituminous.....	2,846,405	10,646	243,758	915	1,147		2,013,525
Lignite.....	3,101,089	588	1,636,498				1,468,179
Total.....	5,990,911	11,234	1,882,290	915	1,147		4,120,087
<i>British Columbia and Yukon—</i>							
Anthracite.....		1,228			35	1,226	2,189
Bituminous.....	2,927,498	38,172	46,876	1,047,430	13,494	504	1,885,362
Lignite.....		73,486					73,186
Total.....	2,927,498	112,886	46,876	1,047,430	13,529	1,730	1,961,337
<i>Canada—</i>							
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	10,024,045	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	(b) 819,130	27,596,373

(a) Maritime coal. (b) Includes 1,805 tons from Other Countries.

Table 25.—Annual Consumption of Coal in Canada, 1903-1922

(Short tons)

Calendar Year	Canadian		Imported		Total	Per capita
	Short tons	%	Short tons	%		
1903.....	6,005,735	52.2	5,491,870	47.8	11,507,605	2.005
1904.....	6,697,183	49.2	6,909,651	50.8	13,606,834	2.348
1905.....	7,032,661	48.9	7,343,880	51.1	14,376,541	2.362
1906.....	7,927,560	51.7	7,308,906	48.3	15,326,466	2.425
1907.....	8,017,352	45.0	10,549,503	55.0	19,166,855	2.947
1908.....	9,156,178	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	11,424,949	59.5	21,247,698	3.365
1912.....	12,385,606	46.0	14,549,104	54.0	26,934,800	3.657
1913.....	13,450,158	42.6	18,132,387	57.4	31,582,515	4.196
1914.....	12,214,403	45.5	14,637,920	54.5	26,852,323	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.....	12,313,003	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.....	11,849,046	41.1	16,982,773	58.9	28,831,819	3.401
1920.....	14,389,541	40.9	20,815,596	59.1	35,204,137	4.079
1921.....	13,070,217	41.0	18,103,620	58.1	31,173,837	3.547
1922.....	13,338,849	48.3	14,257,424	57.7	27,596,273	3.078

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 1919-1922 were compiled as for Tables 22, 23 and 24.

Table 26.—Annual Consumption of Coal by Railroad Locomotives in Canada, 1913-1922

(Compiled in the Transportation Branch)

(Short tons)

		Anthracite	Bituminous	Total
Year ended June 30, 1913.....		4,662	9,040,963	9,045,625
" " 1914.....		5,271	8,268,186	8,273,457
" " 1915.....		3,691	6,673,845	6,677,536
" " 1916.....		4,899	8,072,455	8,677,354
" " 1917.....		4,900	9,783,524	9,788,424
" " 1918.....		3,283	9,836,023	9,839,906
" " 1919.....		4,430	9,136,593	9,141,023
Calendar Year, 1920.....		4,270	10,372,087	10,376,957
" 1921.....	Tons..	9,681	8,784,607	8,794,288
" 1922.....	Value..	8,721	9,032,366	9,041,087
		\$70,523	\$57,636,011	\$ 57,706,534

Prices.

Two tables on prices have been prepared, one showing for 1922 the prices at the mine for Canadian coal and the other showing the average retail price of coal. The mine quotations given in Table 27 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 28. 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 27.—Average Price of Canadian Coal at the Mine by Grades for each District, and Province, 1922

District	Run of Mine		Screened		Slack	
	Highest	Lowest	Highest	Lowest	Highest	Lowest
	\$	cts.	\$	cts.	\$	cts.
NOVA SCOTIA—						
Cape Breton.....	4 89		3 58		5 80	4 11
Cumberland.....	5 05		3 86		5 58	4 58
Inverness.....	5 35		2 90		10 26	5 80
Pictou.....	5 25		4 28		6 43	5 16
Average for Nova Scotia.....	5 08		3 78		6 10	4 69
NEW BRUNSWICK.....	4 87		3 67		5 25	4 35
SASKATCHEWAN.....	2 35		2 10		2 73	2 34
ALBERTA—						
Anthracite—						
Banff.....	3 13		3 13		9 55	2 00
Bituminous—						
Brazeau.....	5 30		4 64		6 85	6 00
Cannmore.....	5 25		4 33		8 25	3 81
Crow's Nest Pass.....	5 43		5 08		7 20	6 61
Jasper Park.....	5 10		4 60			
Mountain Park.....	5 33		4 05		6 00	5 15
Yellow Head Park.....	3 85		3 20		5 02	3 93
Average (bituminous).....	4 90		4 23		6 28	5 19
Lignite—						
Aldersyde.....	4 70		3 67			
Battle River.....	2 76		2 44		2 80	2 50
Big Valley.....	3 60		3 19		4 67	4 00
Bow Island.....	3 80		3 40		3 95	3 69
Brooks.....	4 40		3 91			
Camrose.....	3 16		2 29		3 75	2 78
Carbon.....	3 51		3 53		4 08	2 67
Cardiff.....	2 12		2 00		3 17	2 58
Clover Bar.....	2 58		1 76		4 28	2 43
Drumheller.....	4 13		3 76		5 21	3 88
Edmonton.....	2 86		2 81		3 94	3 15
Hanna.....	2 88		2 48		3 09	2 51
High River.....	3 92		3 62		5 00	5 00
Lacombe.....	2 68		2 47		2 88	2 50
Leithbridge.....	4 25		3 03		5 04	3 79
Magrath.....	4 00		2 50		4 50	4 50
Medicine Hat.....	2 81		2 72		4 00	3 43
Milk River.....	4 50		4 43		4 80	4 60
Nanaimo.....	3 38		3 25		4 50	2 00
Pembina.....	4 09		3 93		4 60	4 20
Pincher Creek.....	3 38		3 00		4 75	4 50
Taber.....	4 12		3 95		4 28	3 61
Three Hills.....	3 42		3 25		3 92	3 50
Tofield.....	2 00		1 60		3 27	1 92
Trochu.....	2 83		2 73		3 66	2 81
Waubamun.....	2 50		1 35		4 75	1 50
Average (lignite).....	3 44		3 04		4 11	3 33
Average for Alberta.....	3 61		3 18		4 33	3 48
BRITISH COLUMBIA—						
Crows' Nest Pass.....	5 53		4 10		6 33	5 80
Inland.....	5 30		4 85		6 75	5 17
Island.....					7 42	6 10
Average for British Columbia.....	5 36		4 63		6 97	5 72
YUKON.....					10 00	10 00
Canada.....	3 69		3 18		4 42	3 58
						1 86
						1 36

**Table 28.—Yearly Average Retail Prices of Coal in Canada by Principal Municipalities,
1920, 1921 and 1922**

(Compiled in the Internal Trade Branch)

Province and Municipality	Anthracite			Bituminous			
	1920		1921	1922	1920		1921
	\$	cts.	\$	cts.	\$	cts.	\$
NOVA SCOTIA—							
Sydney.....					7 15		7 20
New Glasgow.....	11 55				7 89		7 75
Anherst.....	24 25	20 75	19 00		11 80	11 75	8 82
Halifax.....	20 14	18 75	17 14		12 32	10 59	9 59
Truro.....	14 25	18 50			11 00	11 93	10 55
PRINCE EDWARD ISLAND—							
Charlottetown.....	20 04	21 70	18 00		11 71	9 97	8 26
NEW BRUNSWICK—							
Moncton.....	22 00	18 75	19 00		10 76	11 99	10 70
St. John.....	19 65	18 60	16 57		13 29	12 61	11 21
Fredericton.....	18 23	18 70	18 09		12 00	12 72	9 13
Bathurst.....	17 92	20 46	22 00		11 46	11 68	10 39
QUEBEC—							
Quebec.....	16 38	17 38	17 81		14 00	12 64	11 42
Three Rivers.....	16 67	18 55	16 51		13 67	13 10	10 62
Sherbrooke.....	15 93	16 75	16 93		14 08	15 67	
Sorel.....	16 42	16 30	16 36		14 38	12 52	11 06
St. Hyacinthe.....	16 46	16 09	15 47		11 95	11 58	
St. Johns.....	15 33	18 00	15 70		9 83	12 00	11 73
Theftord Mines.....	15 35	19 67			17 07		
Montreal.....	15 94	16 98	16 78		12 75	11 98	9 45
Hull.....	15 17	17 00	16 44		16 44	13 70	12 90
ONTARIO—							
Ottawa.....	15 13	16 98	16 44		15 87	12 78	11 01
Brockville.....	14 73	16 08	15 98		9 47	10 45	
Kingston.....	14 85	16 50	16 61		11 79	10 93	10 64
Bellefonte.....	15 20	16 75	15 98		13 65	13 80	10 70
Peterborough.....	17 00	10 75	16 33		14 07	11 87	12 93
Orillia.....	17 01	16 85	16 79		12 92	12 03	12 03
Toronto.....	14 18	15 04	15 65			10 20	10 92
Niagara Falls.....	14 00	15 54	14 84		11 13	10 10	10 53
St. Catharines.....	15 04	15 90	15 40			11 29	12 90
Hamilton.....	15 95	15 93	15 65		13 08	9 92	9 15
Brantford.....	15 92	16 27	15 73		12 29	12 38	11 65
Galt.....	10 80	16 30	15 81		16 47	11 50	11 73
Guelph.....	17 04	16 39	15 83		13 88	12 15	12 18
Kitchener.....	16 38	16 35	16 11		13 20	12 43	11 43
Woodstock.....	16 00	16 35	15 76		13 5	11 78	10 70
Stratford.....	16 33	16 79	16 27		10 23	13 54	12 78
London.....	16 85	16 93	16 52		15 25	11 10	9 25
St. Thomas.....	16 75	17 50	16 58		13 50	14 17	12 68
Chatham.....	16 88	18 09	18 24		13 08	14 73	12 79
Windsor.....	18 08	18 21	16 67		12 36	13 12	11 46
Owen Sound.....	16 25	17 21	16 53		11 70	11 81	10 35
Cobalt.....	19 29	23 67			19 50	17 67	
Sault Ste. Marie.....	16 13	18 39	17 41		12 38	12 64	11 07
Port Arthur.....	17 25	18 84	17 96		13 78	13 22	12 22
Fort William.....	17 45	18 78	18 25		13 73	12 97	10 65
MANITOBA—							
Winnipeg.....	19 70	21 32	21 36		13 83	14 35	12 05
Brandon.....	20 54	23 19	22 56		13 00	15 05	13 90
SASKATCHEWAN—							
Regina.....	21 83	21 63	25 16		12 47	13 20	11 85
Prince Albert.....	22 77	24 44			13 04	12 73	11 20
Saskatoon.....	24 25	24 73	25 80		11 92	13 89	11 16
Moose Jaw.....	23 00	18 17	18 45		11 92	12 54	12 21
ALBERTA—							
Edmonton.....					7 08	7 75	
Calgary.....		12 95	13 08		9 50	10 10	9 38
Lethbridge.....					7 71	8 58	
BRITISH COLUMBIA—							
Fernie.....					6 69	7 63	
Nelson.....	15 33	16 25	17 00		12 08	13 17	12 78
Trail.....					12 03	11 95	12 64
New Westminster.....	16 31	15 25			12 93	14 50	10 37
Vancouver.....	17 80	17 93	20 62		11 00	11 50	9 20
Victoria.....					13 23	13 19	9 85
Nanaimo.....					9 23	9 20	
Prince Rupert.....					15 06	11 90	11 83

Employees, Salaries and Wages

Salaried employees to the number of 1,742 were employed in the coal-mining industry in Canada in 1922, and salaries paid to these employees amounted to \$3,777,626. There was an 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 1921 being 1,626, and the amount paid in salaries \$3,717,238. Tables 29 and 30 show for each coal-producing province the number of salaried employees by classes for the past two years. Salaries paid are also shown.

The average number of wage-earners engaged in the coal-mining industry in Canada (exclusive of salaried employees) increased very appreciably in the first three months of the year reaching a peak of 40,682 on the rolls in March. The closure of a considerable number of mines because of the strike which commenced on April 1st resulted in the April employment figures dropping to 21,514 and the number employed remained practically unchanged until August when the average rose to 28,685. There was a continued increase in the number employed during the next three months to 35,170 in November. A slight decline was noted in December and the year closed with 34,178 men on the rolls. The average number employed throughout the year was 30,096.

By provinces, Nova Scotia was easily the leader with an average of 14,068 employees for the year and a maximum of 23,161 employed in March. Alberta coal mines furnished employment on the average to 8,815 men during the year, the maximum employment being recorded in November when 13,383 names were on the rolls. Table 31 shows the average number of employees in the coal mines of Canada by provinces for each month during the past three years, and Table 32 shows for 1922 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 30,096 employees, 7,714 worked on the surface and 22,382 were employed underground. The surface men worked on the average 259 days during the year as compared with 254 days in 1921 and the underground employees worked 219 days on the average or precisely the same number as in 1921. Only one more day's work was done on the average by all employees in the coal mines in 1922 than in 1921, the total for the year being 229 days. Earnings per man-day were \$5.18 as compared with \$6.20 in the previous year and the total wages paid amounted to \$35,773,001 or approximately seven million dollars less than the total of \$42,758,471 paid in 1921. Complete data on this subject are given in Tables 33 and 34.

Table 29.—Salaried Employees and Salaries Paid on Coal Mine Staffs in Canada, by Provinces, 1922

		Nova Scotia	New Brunswick	Sask.	Alberta	British Columbia and Yukon	Total for Canada
Salaried officers of the Corporation.....	No. { Salary	28	2	3	26	10	69
General Superintendents and Managers.....	No. { Salary	148	17	14	236	49	464
Technical Experts, Accountants, etc.....	No. { Salary	111	6	8	152	76	353
Clerks, Stenographers and Sales-men.....	No. { Salary	260	9	23	228	167	687
Other salaried employees.....	No. { Salary	30	.....	.....	23	.....	53
Totals.....	No. { Salary	577	34	48	665	302	1,626
		\$ 1,135,064	\$ 78,200	\$ 100,240	\$ 1,607,313	\$ 796,331	\$ 3,717,238

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 Salary \$ 163,603	No. 6 Salary \$ 19,000	No. 3 Salary \$ 12,400	No. 106 Salary \$ 348,902	No. 26 Salary \$ 157,300	No. 180 Salary \$ 701,265
General Superintendents and Managers.....	No. 166 Salary \$ 416,728	No. 12 Salary \$ 34,365	No. 11 Salary \$ 29,295	No. 292 Salary \$ 807,768	No. 51 Salary \$ 180,455	No. 532 Salary \$ 1,468,611
Technical Experts, Accountants, etc.....	No. 122 Salary \$ 241,973	No. 4 Salary \$ 4,340	No. 7 Salary \$ 8,290	No. 189 Salary \$ 253,804	No. 105 Salary \$ 238,446	No. 407 Salary \$ 746,853
Clerks, Stenographers and Salesmen.....	No. 247 Salary \$ 304,416	No. 11 Salary \$ 15,108	No. 11 Salary \$ 16,583	No. 248 Salary \$ 340,087	No. 106 Salary \$ 184,763	No. 623 Salary \$ 860,957
Totals.....	No. 574 Salary \$ 1,126,720	No. 33 Salary \$ 72,513	No. 32 Salary \$ 66,568	No. 815 Salary \$ 1,750,561	No. 288 Salary \$ 760,961	No. 1,742 Salary \$ 3,777,626

Table 31.—Number of Employees in the Coal Mines of Canada by Months and by Provinces, 1920, 1921 and 1922

Month	Nova Scotia	New Brunswick	Saskatchewan	Alberta	British Columbia and Yukon	Total for Canada
January.....	1920 12,281	326	537	11,759	6,301	31,204
	1921 13,147	412	530	12,014	6,730	32,833
	1922 10,988	642	589	11,744	6,525	30,488
February.....	1920 12,690	371	403	9,952	6,295	29,711
	1921 12,788	410	484	11,362	6,669	31,713
	1922 17,951	623	555	11,022	6,588	36,739
March.....	1920 12,781	429	385	8,155	6,089	27,839
	1921 13,223	356	436	9,251	6,488	29,734
	1922 23,161	640	487	9,871	6,514	40,682
April.....	1920 12,700	342	384	7,019	5,987	26,412
	1921 12,000	354	392	8,384	6,517	27,647
	1922 12,314	528	383	3,295	4,996	21,514
May.....	1920 13,013	359	253	7,830	5,829	27,283
	1921 11,850	409	368	7,069	6,426	26,122
	1922 12,733	555	338	3,518	5,083	22,227
June.....	1920 12,686	310	248	8,464	5,700	27,537
	1921 12,391	411	343	7,711	6,416	27,272
	1922 12,271	596	342	3,679	5,033	21,911
July.....	1920 12,080	300	357	8,654	5,951	28,011
	1921 12,733	470	309	8,639	6,015	28,776
	1922 12,870	580	342	3,739	5,170	22,701
August.....	1920 12,522	545	357	9,246	6,153	28,823
	1921 12,684	491	305	9,907	6,704	30,061
	1922 13,087	619	325	8,075	6,570	28,685
September.....	1920 12,648	515	292	9,775	6,228	28,458
	1921 12,928	473	357	10,473	6,861	31,092
	1922 12,973	647	348	11,700	6,810	32,518
October.....	1920 15,028	532	481	10,521	6,158	32,720
	1921 12,891	457	481	11,402	7,030	32,294
	1922 13,253	650	531	13,158	6,746	34,341
November.....	1920 13,282	525	632	12,036	6,375	32,850
	1921 12,923	573	621	12,067	6,995	33,179
	1922 13,679	651	642	13,383	6,815	35,170
December.....	1920 15,369	649	596	12,277	6,653	35,535
	1921 11,968	539	590	11,945	6,894	31,936
	1922 13,527	593	599	12,604	6,853	34,178
Average.....	1920 13,140	441	409	9,641	6,152	29,782
	1921 12,626	419	335	10,019	6,694	30,223
	1922 14,068	611	460	8,815	6,142	30,096

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

Classification	Provinces					Total for Canada		
	Nova Scotia	New Brunswick	Saskatchewan	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	309	251	2,323	2,068	77	7,036	7,103
Machine cutters.....	1,509	2	3	348	78	.....	1,910	1,910
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	1,937
Mechanical haulage employ- ees.....	1,551	1	5	307	308	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.....	105	2	7	58	42	9	295	304
MISCELLANEOUS—								
Engineers.....	296	11	8	178	93	535	51	586
Firemen.....	351	4	8	163	62	542	46	588
Mechanists.....	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
Chinese.....	.....	.....	.....	.....	740	399	341	740
Indians.....	.....	.....	.....	.....	9	6	3	9
Total.....	14,068	611	460	8,815	6,142	7,714	22,382	38,096

Table 33.—Number of Employees, Work Done and Wages Paid in the Coal Mines of Canada, by Months, 1922

Month	Number of Employees			Days' Work Done			Total Wages Paid
	Surface	Under- ground	Total	Surface	Under- ground	Total	
January.....	8,823	24,010	32,833	190,044	454,678	644,722	3,997,333
February.....	8,535	23,178	31,713	169,604	395,321	564,925	3,463,008
March.....	8,150	21,598	29,754	165,982	366,190	532,172	3,328,353
April.....	7,459	20,188	27,647	149,264	310,038	459,302	2,926,064
May.....	7,054	19,068	26,122	146,825	333,652	480,477	2,599,069
June.....	7,254	20,018	27,272	151,257	371,619	525,806	3,251,230
July.....	7,554	21,222	28,776	150,501	387,021	516,522	3,416,104
August.....	7,880	22,181	30,061	180,983	463,415	614,398	4,126,494
September.....	8,041	23,051	31,092	170,878	428,339	599,207	3,777,480
October.....	8,193	24,098	32,291	174,295	443,621	617,919	3,932,673
November.....	8,268	24,911	33,179	185,503	479,386	661,889	3,991,975
December.....	8,026	23,910	31,946	179,363	438,927	618,290	3,646,719
Total.....	7,937	22,286	30,223	2,020,498	4,872,230	6,898,729	42,758,471
Average.....				251 days per year	219 days per year	224 days per year	\$6.26 per day

Table 34.—Number of Employees, Work Done and Wages Paid in the Coal Mines of Canada, by Months, 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	559,285	\$
February.....	8,758	27,981	36,739	168,414	439,722	608,136	Monthly Records
March.....	9,110	31,572	40,682	175,912	451,804	627,776	not available
April.....	5,074	15,810	21,514	107,625	244,820	352,445	
May.....	6,047	16,180	22,227	121,147	256,283	377,430	
June.....	6,147	15,764	21,911	131,391	304,843	436,232	
July.....	6,389	16,312	22,701	144,027	334,619	475,676	
August.....	7,799	20,886	28,685	139,459	293,872	433,331	
September.....	8,577	23,941	32,518	214,897	307,511	722,411	
October.....	8,873	25,468	31,341	217,831	345,368	803,129	
November.....	8,801	26,309	35,170	204,579	359,604	761,183	
December.....	8,763	25,415	34,178	209,584	533,321	742,905	
Total				1,995,298	4,384,836	6,384,014	35,173,601
Average	7,714	22,382	33,096	259 days per year	219 days per year	229 days per year	5.18 per day

Properties.

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 35 entitled "Ownership, area, etc., of Coal Mine Properties in Canada in 1921," shows for each province the area of lands held by coal mining interests together with the total length in feet of all underground workings. Table 36 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 Tables 35 and 36 were compiled from reports received from mines operated during a part or the whole of the calendar year 1921.

Table 35.—Ownership, Area, etc., of Coal Mine Properties in Canada, by provinces, 1921

Provinces	Number of Coal Mines					Area of Mining properties	Total length of under- ground workings		
	Operated by Joint Stock companies		Operated by part- nerships	Operated by individ- ual	Total No. of mines				
	No. of mines	No. of Co's.							
Nova Scotia (bituminous).....	53	17		6	59	210,827	142,955		
New Brunswick (bituminous).....	16	6	1	3	20	13,619	16,400		
Saskatchewan (lignite).....	5	5	6	38	49	9,493	45,888		
Alberta, (anthracite).....						8,000	11,500		
" (bituminous).....						89,804	204,570		
" (lignite).....						96,561	612,030		
Total Alberta.....	134	129	72	55	261	194,365	\$28,700		
British Columbia (bituminous).....	12	10			12	284,578	399,388		
Yukon (bituminous).....	1	1			1	552			
Canada	221	168			402	713,434	1,433,331		

Table 36.—Power Employed in the Coal Mines of Canada, by Provinces, 1921

	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
Boilers—												
Fired by hand.....	184	24,521	19	657	13	1,250	193	23,523	79	11,169	488	61,120
Fired mechanically.....	37	14,316					22	4,810	1	1,200	60	20,326
Stationary Engines (including engines used for hoisting, pumping, etc.)—												
Steam.....	294	56,490	18	558	20	780	255	28,019	83	14,850	670	100,657
Steam turbines.....	12	28,750					6	2,952			18	31,702
Gas.....					1	15	30	333			31	318
Oil.....			1	3			19	1,940			20	1,943
Hydraulic Turbines or Water Wheels.....									2	12,000	2	12,000
Electric Motors—												
Alternating current.....	242	18,172	7	185			265	9,901	86	2,476	600	30,734
Direct current.....	4	115			21	299	99	2,415	29	762	153	3,591
Locomotives—												
Steam.....	11		1		1		15		9		37	
Electric.....	4	50			2	60	14	360	16	450	36	920
Compressed air.....							42	2,096			42	2,096
Generators or Dynamos—												
Alternating current.....	19	K.W. 27,020	I	K.W. 240		K.W.	39	K.W. 8,125	14	K.W. 9,355	73	K.W. 41,740
Direct current.....	7	165			7	940	34	30,574	13	818	61	32,497
Air Compressors.....												
Capacity cu. ft. per min. free air.....	39	981,600			1	450	55	107,028	20	33,624	115	1,122,702
OTHER EQUIPMENT—												
Steam shovels.....							6		2		12	
Power drills—	4											
Steam.....	1						4				5	
Compressed air.....	23						27		41		91	
Electric.....	1						2				3	
Other power—	*											
Steam.....							7				2	
Compressed air.....							155				155	
Electric.....							30				30	
Internal combustion.....					1		1				2	

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 in each of the past two years to itemize the amounts of capital employed in the operation of their coal mines. The data obtained are presented in Tables 37 and 38, separation being made to show the amount of capital employed in the operation of the coal mines of the several producing provinces.

While the data in Tables 37 and 38 show the total capital employed in the coal mines in Canada, a second compilation has been made which has reference only to the ownership of the stock issued by joint stock companies operating coal mines in Canada. The table shows for 1921 the several types of securities represented together with the par value of the issued shares held by residents of Canada, Great Britain, United States and other countries. Table 39 gives this information by 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 of several items such as purchased power, royalties, taxes, etc.

Table 37.—Capital Employed in the Coal Mines of Canada, as at December 15, 1921

	Nova Scotia	New Brunswick	Saskatchewan	Alberta	British Columbia	Yukon	Total for Canada
Value of buildings, plant, machinery, and tools.....	\$ 61,787,435	\$ 1,116,769	\$ 3,167,125	\$ 46,720,095	\$ 38,138,653	\$ 202,500	\$ 151,132,577
Cost of supplies on hand and coal on hand.....	6,775,185	39,971	28,479	1,524,904	859,327	1,696	9,229,562
Cash, trading and operating accounts and bills receivable.....	5,610,482	208,056	181,008	5,402,497	2,325,160		13,727,203
Total	74,173,102	1,361,796	3,376,612	53,647,496	41,323,140	204,196	171,089,312

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	\$ 39,912,406	\$ 25,702,375	\$ 202,500	\$ 122,411,606
Cost of supplies on hand and coal on hand.....	2,639,514	53,949	46,208	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		13,279,632
Total	59,186,470	1,152,994	3,069,883	47,299,875	29,262,770	204,196	140,466,108

Table 39.—Distribution of Ownership of Securities Issued by Joint Stock Companies operating Coal Mines in Canada during 1921*

Place of Incorporation and Type of Security	Held by Residents of				Total Par Value of Issued Securities
	Canada	Great Britain	United States	Other Countries	
NOVA SCOTIA—	\$	\$	\$	\$	\$
Stocks.....	40,522,700	576,700	878,500	323,200	42,301,100
Bonds.....	738,000			1,603,500	2,311,500
Other securities.....	4,067,440	508,103	235,282	172,070	4,982,895
Total	45,328,140	1,084,803	1,113,782	2,098,770	49,625,495
NEW BRUNSWICK—					
Stocks.....	727,450	550	700,000		1,428,000
Bonds.....	60,000				60,000
Other securities.....					
Total	787,450	550	700,000		1,488,000
SASKATCHEWAN—					
Stocks.....	2,155,741	170,459			2,326,200
Bonds.....		612,840			612,840
Other securities.....					
Total	2,155,741	783,299			2,939,040
ALBERTA—					
Stocks.....	27,521,854	1,684,927	6,115,176	5,377,755	40,699,712
Bonds.....	2,236,230	1,373,649	244,967		3,854,846
Other securities.....	98,040	556,460			651,500
Total	29,856,124	3,615,036	6,360,143	5,377,755	45,209,058
BRITISH COLUMBIA—					
Stocks.....	5,198,082	5,230,980	14,268,283	55,820	24,753,174
Bonds.....	3,348,393	8,006,141	2,970,500	124,293	14,449,327
Other securities.....					
Total	8,546,475	13,237,130	17,238,783	180,113	39,202,501
YUKON—					
Stocks.....	54,000	- 1,123	392,256		447,379
Bonds.....			75,000		75,000
Other securities.....					
Total	51,000	1,123	467,256		522,379
CANADA—					
Stocks.....	76,179,822	7,664,748	22,354,215	5,756,775	111,955,565
Bonds.....	6,382,623	9,992,630	3,299,467	1,727,793	21,393,513
Other securities.....	4,163,480	1,061,563	235,282	172,070	5,637,395
Total	86,727,930	18,721,941	25,879,961	7,656,638	138,986,473

*Similar data were not collected in 1922.

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

Province	Miscellaneous Expenses, 1921								Total miscel- laneous expenses in 1921	Total miscel- laneous expenses in 1922		
	Cost of purchased power for mine use	Cost of all materials and supplies used in or about the colliery	Taxes Paid				All other sundry expenses					
			Royalties	Municipal	Provincial	Federal						
Nova Scotia.....	\$ 1,757,304	\$ 2,976,801	\$ 584,632	\$ 180,048	\$ 57,049	\$ 35,599	\$ 2,062,028	\$ 8,551,361	\$ 7,935,607			
New Brunswick.....	24,143	102,412	18,796	3,576	3,323	5,400	38,955	196,105	300,499			
Saskatchewan.....	1,684	53,976	10,847	7,555	389	2,903	32,826	110,180	167,313			
Alberta.....	73,335	3,131,099	473,399	100,571	166,652	149,802	1,743,569	5,838,427	6,239,290			
British Columbia.....		2,729,506	202,918	12,740	61,895	61,488	453,305	3,521,852	2,452,325			
Yukon.....			138						138			
Canada	1,856,466	8,993,794	1,290,730	304,490	290,208	255,192	5,230,683	18,221,563	17,435,034			

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

In 1922, the output of coal from the mines of Nova Scotia was 5,569,000 tons which was somewhat below the production in 1921 and nearly one million tons below the output of 1920. Shipments to other Canadian provinces reached a total of about 1,883,000 tons and over 641,000 tons was cleared through Nova Scotia ports for foreign trade. Very little coal has ever been imported into this province from the United States and in 1922 the imports were much below the average. Some coal was obtained from Great Britain. The consumption of coal in Nova Scotia during the year was in the neighborhood of three million tons.

The output of coal has been tabulated by principal collieries and by districts and the data are given in Tables 42 and 43, respectively. As usual, Cape Breton County produced nearly three-quarters of the total output, with Cumberland, Pictou and Inverness Counties following in the order named.

The tonnage lost has been computed on the same basis as last year and the results show that the percentage obtained of the possible production was approximately the same as in 1921. The tonnage lost amounted to 27 per cent of the possible output and the chief cause given was lack of orders. The charge against this item was, however, considerably lower than in 1921. Complete data are given in Table 44, and an explanation of the method of computation is given in Chapter One of this report.

The disposition of the output as shown in Table 45 remained practically unchanged from the data for the preceding year with the exception that shipments were somewhat lower and the amount of coal put on bank was a little greater. An analysis of the shipments by grades has been prepared in Table 46. Nearly 1,300,000 tons was shipped to various points in Nova Scotia and 1,406,990 tons was reported as shipped from Nova Scotia mines to the Province of Quebec during the year. There was a very considerable increase in the quantity of coal shipped direct from the mines to United States points, comparative figures for the two years being 6,217 tons for 1921 and 451,162 tons for 1922. Shipments in the latter year consisted principally of run-of-mine coal while the smaller shipments in the previous year were made up of slack coal. 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 were distinctly lower than in the preceding year while shipments through North Sydney were almost double those for 1921. On the whole, the exports of coal were slightly lower than in 1921 and were equal to only about one-half the tonnage passing outward through these ports in 1920.

Table 41.—Output of Coal from Nova Scotia Mines, 1785-1922
(Short tons)

Calendar Year	Output	*Value	Calendar Year	Output	*Value
1785 to 1873.		\$	1898		\$
1874	977,446	12,583,860	1899	2,584,175	4,004,970
1875	874,905	1,454,034	1900	3,209,296	5,622,898
1876	794,804	1,308,991	1901	3,684,646	8,088,250
1877	848,396	1,375,339	1902	4,279,557	6,496,982
1878	863,075	1,368,741	1903	5,292,538	9,216,636
1879	882,863	1,353,469	1904	5,841,429	10,005,246
1880	1,115,636	1,840,108	1905	5,747,823	9,903,288
1881	1,251,183	2,000,079	1906	5,821,622	10,083,184
1882	1,529,704	2,382,730	1907	6,546,191	11,108,044
1883	1,503,259	2,466,576	1908	6,468,563	12,764,999
1884	1,556,011	2,412,233	1909	6,805,489	13,364,476
1885	1,514,470	2,418,735	1910	5,718,871	11,354,643
1886	1,682,924	2,653,152	1911	6,515,162	12,919,705
1887	1,871,330	2,904,057	1912	7,125,551	14,071,379
1888	1,939,263	3,034,735	1913	7,834,724	17,374,750
1889	1,967,032	2,998,167	1914	8,135,104	17,812,663
1890	2,222,081	3,407,864	1915	7,448,042	16,452,955
1891	2,290,158	3,543,624	1916	7,513,739	16,650,308
1892	2,175,913	3,371,016	1917	6,911,500	18,514,667
1893	2,489,807	3,820,191	1918	6,345,335	19,410,737
1894	2,520,707	3,949,970	1919	5,836,370	21,005,470
1895	2,239,727	3,476,700	1920	5,790,196	22,350,157
1896	2,537,706	3,919,655	1921	6,437,156	32,314,523
1897	2,020,835	3,896,179	1922	5,734,928	27,782,050
			Total	5,669,072	24,629,921
				188,975,812	449,045,519

*NOTE: The values given for the production from 1785 to 1918, represent sales values of coal sold or used. For the last four years, values of the entire mine output were obtained.

Table 42.—Output of Coal by Principal Collieries in Nova Scotia for 1920, 1921, 1922
(Average of 500 tons or more per month)
(Short tons)

Collieries	1920	1921	1922
Acadia Coal Co.	585,970	397,132	430,407
Anglo Coal Co., Ltd.			4,336
Athol Coal Co., Ltd., (formerly Export Coal Co.)	19,521	3,394	14,990
Bras D'Or Coal Co.	126,362	84,510	128,937
Carter Coal Co.		3,315	1,814
Coastal Coal Co., Ltd.	5,557	8,471	
Dominion Coal Co.*	4,132,151	3,871,498	3,626,346
Emerson Coal Co., Ltd.	15,705	17,737	11,037
Fundy Mining Co.		9,544	18,239
Greenwood Coal Co.	61,410	43,919	48,504
Hiawatha Coal Co., Ltd.	5,006	378	
Indian Cove Coal Co.	57,334	44,147	43,790
Intercolonial Coal Mg. Co., Ltd.	180,613	168,552	155,128
Inverness Ry. & Collieries, Ltd.	205,542	167,520	172,235
Maritime Coal, Ry., & Power Co.; Ltd.	180,558	155,713	124,658
Minudie Coal Co., Ltd.	50,135	36,900	42,110
Milford Mining Co.	5,652	†	†
Nova Scotia Steel and Coal Co.	711,162	675,058	703,938
Prendegast, Denis (formerly Port Hood Collieries)	61,722	17,807	2,412
Provincial Mining Co. (Twin Seam Coal Co.)	1,590	4,400	1,037
River Hebert Coal Co., Ltd. (formerly Marsh Mine)	3,616	3,286	7,100
Sterling Coal Co.	24,133	18,059	12,338
Valley Coal Co. Ltd.	816	2,069	
All other operators.	2,598	1,428	10,026
Total for Nova Scotia.	6,437,156	5,734,928	5,569,072

*Includes output for Cumberland Ry. & Coal Co., 1922.

† Now operated by Acadia Coal Co.

Table 43.—Output of Coal by Districts in Nova Scotia, for 1920, 1921 and 1922
(Short tons)

District	1920	1921	1922
Cape Breton.	4,557,356	4,244,172	4,069,239
Cumberland.	777,422	694,398	681,019
Inverness.	268,733	186,755	175,181
Pictou.	833,645	609,603	643,634
Total.	6,437,156	5,734,928	5,569,072

Table 44.—Tonnage Lost in Nova Scotia Coal Mines in 1921 and 1922 showing by Districts the Relative Percentages produced and lost, with an Analysis of the Percentage Lost.

District	% Produced	% Lost	Percentage Lost through				
			Absenteeism	Lack of orders	Car shortage	Mine disability	Other causes
Cape Breton.....	1921	74	26	5.0	10.0	.....	1.0
	1922	74	26	5.0	9.9	0.6	0.7
Cumberland.....	1921	67	33	7.0	24.0	.....	1.0
	1922	70	30	4.1	16.4	1.2	0.0
Inverness.....	1921	69	31	8.0	20.0	.....	1.0
	1922	71	29	12.4	15.0	0.1	0.1
Pictou.....	1921	69	31	6.0	18.0	6.0	1.0
	1922	68	32	5.8	18.8	0.6	0.6
Nova Scotia.....		72	28	5.8	19.5	0.8	0.8
		73	27	5.1	11.9	0.7	0.5

Table 45.—Disposition of the Coal Output from Nova Scotia Mines, 1921 and 1922

(Short tons)

	1921	1922
Coal shipped (see Table 46).....	5,006,015	4,857,835
Used under colliery boilers.....	465,181	439,083
Used in shops, etc.....	16,228	19,445
Used by company's railroads.....	49,290	49,880
Used by harbour tugs and dredges.....	1,663	465
Supplied to employees for domestic consumption.....	148,876	150,057
Put on bank.....	321,462	551,820
Put on waste heap.....	40,486	25,818
Total Disposition.....	6,049,201	6,005,001
Lifted from bank.....	314,273	525,929
Total Output.....	5,734,928	5,569,072

Table 46.—Shipments of Coal from Nova Scotia Mines by Grades and Destinations, 1921 and 1922

Destination	1921				1922			
	Run of mine	Screened	Slack	Totals	Run of mine	Screened	Slack	Totals
Coal supplied for bunkers.....	344,810	2,322	.....	347,132	301,799	7,632	210	309,641
Coal supplied to railroads.....	955,304	94,715	9,483	1,059,582	589,761	81,978	19,198	690,837
Nova Scotia by land including land sales at collieries.....	689,222	407,078	251,590	1,347,890	485,501	384,969	107,860	1,068,330
Nova Scotia by sea.....	131,483	51,623	8,346	191,452	147,770	68,753	13,177	229,700
New Brunswick.....	381,348	108,956	9,333	499,637	237,654	133,574	32,514	403,742
Newfoundland.....	103,081	100,599	3,843	207,523	78,854	127,376	9,992	216,222
Prince Edward Island.....	20,198	51,317	469	72,084	13,982	56,537	476	70,995
Quebec.....	809,038	22,350	56,313	887,701	1,139,580	16,735	250,069	1,406,390
Ontario.....	905	.....	.....	905	.....	1,060	.....	1,060
West Indies.....	.....	.....	8,217	6,217	444,493	2,793	3,876	451,162
United States.....	.....	.....	.....	372,066	.....	386	.....	386
Europe.....	365,062	6,104	.....	372,066	.....	6,782	.....	8,500
Other countries.....	4,483	9,039	.....	13,522	1,718	.....	170	170
Lost at sea.....	384	.....	.....	384	.....	.....	.....	.....
Total.....	3,806,218	854,263	345,594	5,006,015	3,442,178	887,685	527,972	4,857,835

Table 47.—Exports of Canadian Coal through Nova Scotia Ports, 1920, 1921 and 1922
(Short tons)

Port	1920	1921	1922
Amherst.			120
Baddeck.	4,556	358	280
Glace Bay.			
Halifax.	78,413	25,855	15,179
Lunenburg.	172		
North Sydney.	135,179	76,131	139,241
Parrsboro.	145		2,217
Pictou.		3,015	
Port Hawkesbury.	49,845	3,846	12,625
Sydney.	977,363	618,582	480,642
Total.	1,245,673	727,787	641,304

Employees, Salaries and Wages

About five hundred salaried employees were employed on the coal mine staff in Nova Scotia and salary payments during each of the last two years have been in the neighbourhood of \$1,100,000. The number employed and the salaries paid have been shown in Table 48.

About 60,000 more man-days' work was done in the coal mines of Nova Scotia in 1922 than in the preceding year, and the total number of individual shifts paid for was 2,965,892. Of this number, about 700,000 days was credited to surface employees and the balance to underground workers. Table 49 shows these data by districts and Table 50 shows the same information by months and also gives the average number of surface and underground employees. More than 14,000 men on the average were employed about the coal mines in Nova Scotia in 1922 as compared with 12,626 in the preceding year. The increase was largely in the number of underground workers.

The surface men worked an average of 241 days each per year while the underground men worked only 202 days per year; the average for all classes was 210 days and the average earnings amounted to \$4.07 per man-day or a total of \$12,077,999. Compared with the preceding year, the surface men worked 13 days less; the underground men worked 21 days less; and the average for all workers was 20 days less than in 1921. The average earnings per man-day worked were 99 cents lower in 1922 than in the preceding year. An analysis of the average number of hands employed has been shown by classes for the past two years in Table 51.

Table 48.—Salaried Employees and Salaries Paid on the Coal Mine Staffs in Nova Scotia, 1921 and 1922

	1921			1922		
	Number		Total salaries	Number		Total salaries
	Male	Female		Male	Female	
Salaried officers of corporation.....	28		\$126,080	39		\$163,603
General superintendents, managers.....	148		372,399	166		416,728
Technical experts, accountants.....	111		244,755	122		241,073
Clerks, stenographers, salesmen.....	213	47	354,245	197	50	304,416
Other employees.....	22	8	37,585			
Total.	522	55	1,135,064	524	50	1,126,720

Table 49.—Number of Man-days Worked, by Districts, in Nova Scotia, 1921 and 1922

District	1921			1922		
	Surface	Under-ground	Total	Surface	Under-ground	Total
Cape Breton.....	363,943	1,479,760	1,843,703	384,031	1,539,992	1,921,023
Cumberland.....	137,657	321,129	458,766	137,861	304,098	441,949
Inverness.....	69,878	104,661	174,539	38,906	108,842	147,748
Pictou.....	140,195	288,751	428,946	139,572	312,600	452,172
Total.	711,653	2,194,301	2,905,954	700,370	2,265,522	2,965,892

Table 50.—Number of Employees, Work Done and Wages Paid by Months in the Nova Scotia Coal Mines in 1922 with comparative totals for 1921

Month	Number of Employees			Days' work done			Total Wages Paid
	Surface	Under- ground	Total	Surface	Under- ground	Total	
1922							
January.....	2,363	8,625	10,988	48,675	140,614	189,289	Not reported
February.....	3,505	14,446	17,951	63,897	176,800	240,697	by months
March.....	4,056	16,105	23,161	50,751	200,093	259,814	in 1922
April.....	2,504	9,715	12,344	47,351	141,915	189,196	
May.....	2,707	10,026	12,733	52,908	155,036	207,964	
June.....	2,624	9,617	12,271	52,983	179,820	232,863	
July.....	2,743	10,127	12,870	58,759	198,403	257,162	
August.....	2,806	10,281	13,087	42,808	123,778	166,586	
September.....	2,819	10,151	12,973	63,543	219,067	282,610	
October.....	2,831	10,422	13,253	72,078	252,397	325,075	
November.....	2,896	10,783	13,679	69,183	246,209	315,392	
December.....	2,907	10,620	13,527	67,914	231,340	293,274	
Total				700,370	2,265,522	2,365,892	\$ 12,677,599
Average				2,905	11,163	14,068	
1921							
Total				711,653	2,191,391	2,905,854	\$ 14,710,325
Average				2,796	9,830	12,626	
				254 days per year	202 days per year	210 days per year	\$1.07 per day
				254 days per year	223 days per year	230 days per year	\$1.06 per day

Table 51.—Average Number of Employees in Nova Scotia Coal Mines, by Classes, 1921 and 1922

Classification	1921			1922			
	Surface	Under- ground	Total	Surface	Under- ground	Total	
Surface—							
Administration.....	84	24	108	87	32	119	
Poremen and clerks.....	183	2	185	179	19	198	
Screenmen and loaders.....	542	22	564	648	82	730	
Underground—							
Officials.....	3	398	401	2	439	411	
Haulcutters and helpers.....		2,362	2,362		2,061	2,061	
Machine cutters.....	3	1,068	1,071		1,503	1,309	
Machine loaders and helpers.....	4	1,217	1,221		1,502	1,502	
Horse haulage employees.....	1	790	791		839	839	
Mechanical haulage employees.....	9	1,333	1,342	11	1,540	1,551	
Ventilation employees.....	10	333	343	9	360	375	
Road-makers.....		250	250		295	295	
Timbermen.....		612	612		685	685	
Pumpmen.....	2	184	186	2	193	195	
Miscellaneous—							
Enginemen.....	253	4	257	249	47	296	
Firemen.....	260	1	270	305	46	351	
Machinists.....	323	1	324	319	38	357	
Carpenters and masons.....	158	1	159	143	23	166	
Other mechanics.....	108	118	226	114	175	289	
All other employees.....	844	1,110	1,954	837	1,272	2,109	
Total	2,796	9,830	12,626	2,905	11,163	14,068	

Imports and Distribution

Table 52 shows the quantities of anthracite and bituminous coal by grades imported into Canada via Nova Scotia ports during each of the past three years, division being made to distinguish between the importations from the United States and those from Great Britain. 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, 1920, 1921 and 1922

(Short Tons)

Table 52—Imports into Nova Scotia of Anthracite and Bituminous Coal by Grades and Ports of Entry, 1920, 1921 and 1922—Concluded.

Port	Source and Year	Anthracite			Bituminous			Total all Grades
		Egg, Nut, etc.	Dust	Total	Round and run- of-mine	Slack	Total	
Port Hawkesbury.....	U.S.....1920							
	1921							
	1922	96		96				96
Port Hood.....	U.S.....1920							
	1921							
	1922							
Shelburne.....	U.S.....1920	10		10				10
	1921							
	1922							
Sydney.....	U.S.....1920							
	1921	127		127	112		112	238
	1922							
Truro.....	U.S.....1920	42		42	196		196	238
	1921							
	1922							
Weymouth.....	U.S.....1920	571		571		10	10	581
	1921	424		424				424
	1922	332		332				332
Windsor.....	U.S.....1920	186		186				186
	1921	811		811				811
	1922				44	788	832	832
Yarmouth.....	U.S.....1920	9,962		9,962	50		59	10,021
	1921	10,051	42	10,093	3		3	10,096
	1922	3,432		3,437	3,045		3,643	7,077
Total.....	U.S.....1920	45,334		45,334	2,784	260	3,044	48,378
	1921	62,263	42	62,245	1,421	454	1,875	64,126
	1922	21,363	56	21,419	5,335	988	6,233	27,652
	G.B.....1922	5,645		5,645	3,267		3,267	8,912

Table 53.—Distribution of Coal through Retail Dealers in Nova Scotia by Municipalities, 1921 and 1922

(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.....	1921	290				13,302	13,592
	1922					12,485	12,485
Antigonish.....	1921	27				2,921	2,945
	1922	24				3,174	3,198
Halifax.....	1921	19,119				56,319	75,438
	1922	8,003	3,964			68,848	80,815
Lunenburg.....	1921	1,755				1,339	3,094
	1922	1,390				2,125	3,515
Mulgrave.....	1921					901	901
	1922					1,264	1,264
Pictou.....	1921					10,544	10,544
	1922					15,549	15,549
Truro.....	1921	249				21,086	22,235
	1922					18,837	18,837
Windsor.....	1921					1,594	1,594
	1922					191	191
Yarmouth.....	1921	10,043	-			16,504	26,547
	1922	5,269		2,701		15,534	23,504
Other Municipalities (44).....	1921	12,448				37,016	49,464
	1922	5,121				33,668	38,789
Total.....	1921	43,931				162,426	206,357
	1922	19,867	3,964	2,701		171,675	198,147

CHAPTER THREE
NEW BRUNSWICK
Output and Disposition

The output of coal from New Brunswick mines was greater in 1922 than in any previous year and amounted to 287,513 tons as compared with 187,192 tons in the preceding year and the previous record of 268,212 tons established in 1918. The value of the output in 1918 was, however, somewhat greater than that recorded for 1922. The province receives considerable quantities of coal from Nova Scotia and also imports from the United States. In 1922, the importations of all grades were above 140,000 tons comprising about 80,000 tons of bituminous and nearly 60,000 tons of anthracite coal. During 1922 large importations of anthracite and bituminous coal were brought in from Great Britain. Table 54 shows the quantity and value of the coal produced in New Brunswick from 1887 to date. Table 55 records the output by collieries for the last three years. Only 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 analysed 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 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, 1887-1922
(Short Tons)

Calendar Year	Output	Value	Calendar Year	Output	Value
1887.....	10,040	\$ 8	1906.....	34,076	\$ 68,152
1888.....	5,730	11,050	1907.....	34,584	77,814
1889.....	5,673	11,733	1908.....	60,000	135,000
1890.....	7,110	13,850	1909.....	49,029	98,496
1891.....	5,422	11,030	1910.....	55,455	110,910
1892.....	6,768	9,375	1911.....	55,781	111,562
1893.....	6,200	9,837	1912.....	44,780	89,560
1894.....	6,469	10,264	1913.....	70,311	166,637
1895.....	9,500	14,250	1914.....	98,049	241,075
1896.....	7,500	11,250	1915.....	127,391	309,612
1897.....	6,000	9,000	1916.....	143,540	386,016
1898.....	6,160	9,240	1917.....	180,065	708,010
1899.....	10,528	15,792	1918.....	268,212	1,331,710
1900.....	10,000	15,000	1919.....	166,377	735,396
1901.....	17,630	51,857	1920.....	171,610	1,091,440
1902.....	18,795	39,680	1921.....	187,192	920,666
1903.....	16,000	40,000	1922.....	287,513	1,107,643
1904.....	9,412	18,224	Total.....	2,237,032	\$ 8,073,528
1905.....	29,400	58,800			

NOTE.—The values given for the production from 1887 to 1918, represent sales values of coal sold or used. For the last four years, values of the entire mine output were obtained.

Table 55.—Output of Coal by Principal Collieries in New Brunswick for 1920, 1921 and 1922. (Average output of 500 tons or more per month)

(Short Tons)

Collieries	1920	1921	1922
Avon Coal Co., Ltd.....	21,674	1,304	11,462
King, G. H.....	10,165	*	3,908
McDougal Bros.....			177,978
Minto Coal Co., Ltd.....	37,647	106,854	27,883
Miramichi Lumber Co.....	8,522	12,501	
Northfield Coal Co., Ltd.....	4,228	*	
Rende, L. W., c/o Grand Lake Coal Co.....	1,870	1,616	2,738
Rothwell Coal Co., Ltd.....	14,561	3,186	7,014
Ridge Coal & Brick Co., Ltd.....	11,774		
Sheffield Coal Co., Ltd.....	22,945	20,455	*
Thurrot, A. McM.....	3,945	*	
Welton, Harvey & Wood.....	23,871	19,204	26,386
Welton & Henderson.....	9,821	21,131	27,876
All other operators.....	4,589	941	2,268
Total for New Brunswick.....	171,610	187,192	287,513

*Operated by Miramichi Lumber Co. †Operated by Minto Coal Co., Ltd.

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

% Produced	% Lost	Percentage Lost through				
		Absenteeism	Lack of Orders	Car Shortage	Mine Disability	Other Causes
79	21	5.0	13.0	.....	.....	3.0

Table 57.—Disposition of Coal from New Brunswick Mines by Grades, 1921 and 1922
(Short Tons)

	1921				1922			
	Run-of-mine	Screened	Slack	Total Coal	Run-of-mine	Screened	Slack	Total Coal
Supplied to employees for domestic consumption.....	1,573	.....	31	1,604	2,724	.....	61	2,785
Used under colliery boilers, etc....	2,388	.....	50	2,438	5,566	.....	220	5,786
Used by Company's railroads.....	.....	.....	.....	58	.....	.....	.....	58
Shipped (see Table 58).....	87,132	78,230	15,639	181,001	176,084	77,655	22,984	277,323
Used in making coke.....	.....	.....	.....	.....	.....	.....	.....	.....
Used in making briquettes.....	.....	.....	.....	.....	.....	.....	.....	.....
Put on bank.....	2,495	2,238	6,293	11,026	17,146	1,414	3,705	22,265
Put on waste heap.....	51	.....	.....	51	127	.....	.....	127
Total Disposition.....	93,639	80,468	22,013	196,126	202,305	79,069	26,970	308,314
Lifted from bank.....	1,153	1,580	6,195	8,928	15,309	2,010	3,512	20,831
Total Output.....	92,486	78,888	15,818	187,192	186,996	77,059	23,458	287,513

Table 58.—Shipments of Coal from New Brunswick Mines by Grades and Destination, 1921 and 1922

(Short Tons)

Destination	1921				1922			
	Run-of-mine	Screened	Slack	Total Coal	Run-of-mine	Screened	Slack	Total Coal
New Brunswick (including local sales).....	64,030	78,113	15,639	157,782	89,350	48,803	20,325	158,478
Nova Scotia.....	241	.....	.....	241	39	.....	.....	39
Prince Edward Island.....	.....	.....	.....	.....	.....	.....	.....	.....
Quebec.....	14,055	.....	.....	14,055	46,822	402	.....	47,224
Ontario.....	.....	.....	.....	.....	11,190	2,263	2,351	15,804
United States.....	8,806	117	.....	8,923	28,247	1,010	262	29,519
Railroads.....	.....	.....	.....	.....	1,036	25,177	46	26,259
Total.....	87,132	78,230	15,639	181,001	176,084	77,655	22,984	277,323

Table 59.—Exports of Canadian Coal through New Brunswick Ports, 1920, 1921 and 1922

(Short Tons)

Port	1920	1921	1922
McAdam Junction.....	4,661	3,720	22,776
St. Andrews.....	287	44	1,110
St. John.....	87,557	57,852	10,842
St. Stephen.....	887	329	468
Woodstock.....	19,658	9,753	22,264
Total.....	113,050	71,698	66,460

Employees, Salaries and Wages

The increased output of coal necessitated the employment of a larger staff than in other years and an average of 611 men found employment in coal-mining throughout the year. Of this number, 215 worked on the surface and 396 were employed underground. Since 1921 a

record has been obtained of the number of man-days' work done by all the employees on the colliery pay rolls each month. From the data given in the tables it appears that each man employed on surface work obtained 240 days work on the average during 1922 as compared with 197 days' employment in 1921. On the same basis, each underground employee worked 248 days in 1922 as compared with 213 days in the previous year. For all employees the average number of days worked in 1922 was 245 as against 207 days in 1921. The average earnings per man-day, however, were lower in 1922, and as determined from the total wages paid during the year and the total number of days work done, the average earnings per man-day worked out at \$3.78 as compared with \$5.17 in the previous year.

Table 60 shows the number of salaried employees and the salaries paid; Table 61 shows the number of employees, the work done by months, and total wages paid, comparative data being given for the previous year; Tables 62 and 63 give an analysis of the average number of employees, by classes.

Table 60.—Salaried Employees and Salaries Paid on the Coal Mine Staffs in New Brunswick, 1921 and 1922

	1921			1922		
	Number		Total Salaries	Number		Total Salaries
	Male	Female		Male	Female	
Salaried officers of corporation.....	2		\$ 7,006	6		19,000
General superintendents and managers.....	17		49,055	12		31,368
Technical experts and accountants.....	6		11,850	4		4,340
Clerks, stenographers and salesmen.....	7	2	10,265	8	3	15,105
Total	32	2	78,286	30	3	72,812

Table 61.—Number of Employees, Work Done by Months and Wages Paid in New Brunswick Coal Mines in 1922 with comparative totals for 1921

Month	Number of Employees			Days' Work Done			Total Wages Paid
	Surface	Under-ground	Total	Surface	Under-ground	Total	
1922							
January.....	184	458	642	3,598	8,800	12,398	\$
February.....	168	455	623	2,741	7,059	9,800	
March.....	185	464	649	2,643	6,831	9,474	
April.....	169	357	526	2,138	5,634	7,772	
May.....	200	355	555	4,404	4,456	8,860	
June.....	270	316	586	4,616	7,602	12,308	
July.....	239	341	580	4,672	7,757	12,429	
August.....	261	358	619	5,765	9,932	15,697	
September.....	271	376	647	6,505	8,495	15,090	
October.....	275	375	650	6,750	9,158	15,908	
November.....	195	456	651	4,550	11,934	16,484	
December.....	157	436	593	3,083	10,273	13,366	
Totals				51,565	98,021	149,586	\$565,877
1922							
Average.....	215	396	611	240 days per year	248 days per year	245 days per year	\$3.78 per day
Totals				32,546	60,292	92,838	\$179,702
1921							
Average.....	165	284	449	197 days per year	213 days per year	207 days per year	\$5.17 per day

Table 62.—Average Number of Employees in New Brunswick Coal Mines, by Classes, 1921

	Classification	Surface	Under-ground	Total
Supervision.....		9	9	18
Miners and helpers.....		4	262	266
Haulage employees.....		8		8
Mechanics and skilled labour.....		33		33
Clerical assistance.....		8	1	9
Other employees.....		103	12	115
Total		165	284	449

Table 64.—Imports into New Brunswick of Anthracite and Bituminous Coal by Grades and by Ports of Entry, 1920, 1921 and 1922—Concluded

(Short Tons)

Port	Source and Year	Anthracite			Bituminous			Total all Grades
		Egg, Nut, etc.	Dust	Total	Round and run of mine	Slack	Total	
Newcastle	U.S.	1920	324	324				324
		1921	142	142				142
		1922						
Sackville	U.S.	1920	84	84				84
		1921	169	169				169
		1922						
St. Andrews	U.S.	1920	755	755				755
		1921	681	681				681
		1922	204	204				204
St. John	U.S.	1920	46,960	46,960	214		214	47,174
		1921	64,635	64,635	1,040	18,383	19,423	84,058
		1922	33,651	33,651	16,011	37,240	53,521	86,902
	G.B.	1922	19,382	19,382	261	16,232	16,493	35,875
St. Stephen	U.S.	1920	1,566	1,566	193		193	1,759
		1921	6,372	6,372	383		383	6,755
		1922	2,464	2,464	1,720		1,720	4,184
Woodstock	U.S.	1920	953	953	358		358	1,311
		1921	1,008	1,008	181		181	1,189
		1922	217	217	289		269	486
Total	U.S.	1920	57,858	57,858	936		936	58,795
		1921	82,509	82,509	18,019	23,931	41,950	124,159
	U.S.	1922	40,252	40,252	23,982	37,240	61,222	101,174
		1922	19,420	19,420	1,399	17,132	19,131	38,551

*U.S.—United States.

G.B.—Great Britain.

Table 65.—Distribution of Coal through Retail Dealers in New Brunswick by Municipalities, 1921 and 1922

(Compiled in the Internal Trade Branch)

(Short Tons)

Towns	Year	Anthracite Coal From		Bituminous Coal From		Canadian Bituminous, Lignite and others	Total
		United States	Great Britain	United States	Great Britain		
Chatham	1921	224		26		2,861	3,085
	1922	29	150	26		3,608	3,813
Fredericton	1921	6,257		410		3,977	10,650
	1922	1,648	130		153	10,208	12,139
Moncton	1921	230				12,830	13,660
	1922	37	304			12,298	12,639
Newcastle	1921	209				2,697	2,906
	1922		124			2,247	2,371
St. John	1921	48,109		154		43,117	91,470
	1922	17,642	220	54	47	43,314	61,227
St. Stephen	1921	4,280		43		1,180	5,503
	1922	959	987			1,840	3,786
Shediac	1921					1,043	1,943
	1922					1,754	1,754
Woodstock	1921	1,014				2,743	3,757
	1922	183			49	2,597	2,829
Other Municipalities	1921	4,544		14,067		24,118	43,329
	1922	913	682	5,793	34	22,740	38,162
Total	1921	64,957		15,280		95,466	175,703
	1922	21,411	2,597	5,873	283	100,606	130,770

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 66 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 1920 and 1921 showed an export item of coal through the port of Charlottetown amounting to two tons in each year. None was exported through this port in 1922.

The annual consumption of coal on the Island is about 100,000 tons. In 1920, it was a little higher and consisted almost entirely of Canadian coal received from the provinces of Nova Scotia and New Brunswick; slightly over 5,000 tons of anthracite was imported from the United States. For 1921, the apparent consumption of coal was considerably less than in the preceding year amounting in all to 78,963 tons consisting of 72,084 tons from Canada and 6,881 tons from the United States.

There was a further reduction in the consumption of coal on the Island during 1922. 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.

Table 66.—Imports into Prince Edward Island of Anthracite and Bituminous Coal by Grades and Ports of Entry, 1920, 1921 and 1922

(Short Tons)

Port	Anthracite			Bituminous			Total all Grades
	Egg, Nut, etc.	Dust	Total	Round and run- of-mine	Slack	Total	
Charlottetown.....	1920	3,985	3,985	513		513	4,498
	1921	4,667	4,667	238		238	4,905
	1922	4,128	4,128	619	736	1,355	5,483
Summerside.....	1920	1,559	1,559				1,559
	1921	1,976	1,976				1,976
	1922	461	461				461
Total.....	1920	5,544	5,544	513		513	6,057
	1921	6,643	6,643	238		238	6,881
	1922	4,589	4,589	619	736	1,355	5,944

Table 67.—Distribution of Coal through Retail Dealers in Prince Edward Island by Municipalities, 1921 and 1922

(Compiled in the Internal Trade Branch)

(Short Tons)

Towns	Year	Anthracite Coal From		Bituminous Coal From		Canadian Bituminous, Lignite and Others	Total
		United States	Great Britain	United States	Great Britain		
Charlottetown.....	1921	2,136				15,318	17,454
	1922	6,554				26,263	32,817
Other Municipalities.....	1921	2,220				11,136	13,356
	1922	1,453				14,692	16,145
Total.....	1921	4,356				26,454	30,810
	1922	8,007				40,955	45,962

CHAPTER FIVE

QUEBEC

In recent years the province of Quebec has been almost wholly dependent on the United States for its supply of coal. Prior to the war, large quantities of coal from the Maritime Provinces were brought up the St. Lawrence as far as Montreal and at times the distribution of this coal reached farther westward. From 1915 to 1921 very little Maritime coal was shipped into Quebec, partly due to the fact that the foreign export market was very attractive during these years, and partly also because the ships formerly used in this trade were commandeered for transatlantic service.

In 1920 Quebec received from other Canadian provinces about 280,000 tons of coal, and imported from the United States 3,503,000 tons of bituminous coal. About 1,000 tons of Canadian coal was cleared for foreign export trade through Quebec ports leaving an apparent consumption of anthracite coal for the year of 1,544,000 tons and of bituminous coal 3,783,000 tons, or a total consumption of 5,327,000 tons.

In 1921 owing to the prevailing industrial depression less coal was burned in Quebec, the total consumption for the year being 4,898,000 tons comprising 1,312,000 tons of anthracite and 3,586,000 tons of bituminous coal. The imports of bituminous coal from the United States were distinctly lower than in the preceding year, amounting in all to 2,685,000 tons. Over 900,000 tons of coal was shipped into Quebec from the other Canadian provinces.

Due to the unusual fuel situation consequent upon the great strike in the United States coal mines which extended over the summer months in 1922, the total amount of coal made available for consumption in Quebec was less by 600,000 tons than the tonnage made available in the preceding year. For the first time, large quantities of anthracite and bituminous coal were imported from Great Britain, the total under this item alone amounting to 762,108 tons comprising 152,517 tons of anthracite and 609,591 tons of bituminous coal. Importations from the United States totalled 2,106,116 tons and included 789,447 tons of anthracite and 1,316,669 tons of bituminous coal. Canadian coal shipped in from the Maritime Provinces reached a total of 1,454,214 tons, and marked a resumption of the St. Lawrence trade by the coal companies in the eastern provinces. Three trial shipments of western lignite, one car load at a time, were received from the Humberstone Coal Company in Alberta. No announcement has been made regarding the success of this experiment.

Imports of United States coal by kinds and grades received at each customs port in the province of Quebec during the past three years have been collected in Table 69. Similar data regarding the exports of Canadian coal through Quebec customs ports are given in Table 68.

The distribution of imported and Canadian coal through the retail dealers of Quebec during the past two years is shown for each principal municipality in Table 70.

Table 68.—Exports of Canadian Coal through Quebec Ports, 1920, 1921 and 1922

(Short Tons)

Port	1920	1921	1922
Abercorn.....	2	50	
Athelstan.....	31		2,799
Cooti-cook.....			80
Lake Megantic.....	200		
Montreal.....	1,000		10,649
Quebec.....	54		1,500
St. Armand.....			29,304
St. John's.....	83	30	
Sherbrooke.....	2	5	10,943
Total.....	1,372	85	55,275

Table 69.—Imports into Quebec of Anthracite and Bituminous Coal by Grades and Ports of Entry, 1920, 1921 and 1922

(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.....1920	33	.....	33	54	.....	54	87
	1921	2	.....	2	91	.....	91	93
	1922	.....	.....	.....	51	.....	51	51
Atholstan.....	U.S.....1920	143,811	2,202	146,103	167,919	27,754	195,673	341,776
	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	373,160
Beebe Junction.....	U.S.....1920	4,749	47	4,796	9,868	.....	9,868	14,661
	1921	4,643	.....	4,643	6,802	.....	6,802	11,445
	1922	1,329	.....	1,329	3,550	7,021	10,571	11,900
Coaticook.....	U.S.....1920	2,139	.....	2,139	1,393	53	1,446	3,585
	1921	687	404	1,091	944	.....	944	2,035
	1922	133	146	279	90	.....	90	369
Gaspe.....	U.S.....1920	85	.....	85	7,441	.....	7,441	7,526
	1921	218	.....	218	2,708	.....	2,708	2,926
	1922	.....	.....	.....	5,342	1,123	6,465	6,465
	G.B.....1922	.....	.....	.....	20,250	.....	20,250	20,250
Highwater.....	U.S.....1920	.....	.....	.....	1	.....	1	1
	1921	.....	.....	.....	1	.....	1	1
	1922	.....	.....	.....	.....	.....	.....	.....
Hull.....	U.S.....1920	8,027	2,090	11,017	38,032	24,433	62,465	73,482
	1921	12,028	.....	12,028	15,970	18,805	34,775	46,803
	1922	6,802	47	6,909	7,693	22,653	30,346	37,255
	G.B.....1922	.....	.....	.....	991	.....	991	991
Lake Megantic.....	U.S.....1920	270	.....	270	47	.....	47	317
	1921	92	.....	92	54	.....	54	146
	1922	48	.....	48	125	.....	125	173
Mansenville.....	U.S.....1920	.....	.....	.....	102	.....	102	102
	1921	.....	.....	.....	102	.....	102	102
	1922	.....	.....	.....	.....	.....	.....	.....
Montreal.....	U.S.....1920	362,379	37,204	399,583	2,025,697	285,866	2,311,563	2,711,146
	1921	253,473	19,922	273,395	1,474,912	406,700	1,881,612	2,155,007
	1922	186,149	14,949	201,095	590,545	125,874	716,419	917,517
	G.B.....1922	105,135	13,281	118,416	299,647	126,941	426,588	543,004
Paspebiac.....	U.S.....1920	323	.....	323	.....	.....	.....	323
	1921	338	.....	338	.....	.....	68	338
	1922	250	.....	250	68	.....	68	318
Perce.....	U.S.....1920	.....	.....	.....	13,277	51	13,328	13,328
	1921	80	.....	80	451	.....	451	531
	1922	91	.....	91	.....	.....	.....	91
Port Burwell.....	U.S.....1920	.....	.....	.....	40	.....	40	40
	1921	.....	.....	.....	40	.....	40	40
	1922	.....	.....	.....	.....	.....	.....	.....
Quebec.....	U.S.....1920	137,133	77,853	214,986	245,928	12,763	258,691	473,677
	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	109,800
	G.B.....1922	25,354	.....	25,354	75,495	46,131	121,626	146,980
	Other Countries 1922	.....	.....	.....	75	.....	75	75
Rimouski.....	U.S.....1920	1,977	.....	1,977	806	.....	806	2,783
	1921	758	.....	758	1,315	62	1,377	2,135
	1922	301	.....	301	95	95	190	491
St. Armand.....	U.S.....1920	9,676	1,043	10,719	5,987	497	6,484	17,203
	1921	8,111	732	8,848	4,733	147	4,890	13,723
	1922	3,271	834	4,105	4,190	141	4,331	8,436
St. Hyacinthe.....	U.S.....1920	3,866	1,057	4,923	113,843	973	114,816	119,739
	1921	7,902	136	8,038	131,533	379	131,912	139,950
	1922	4,451	116	4,567	4,967	832	5,799	10,366
St. John's.....	U.S.....1920	460,968	220,538	681,506	100,826	1,176	102,002	783,508
	1921	507,205	98,536	605,741	61,173	3,601	64,774	670,615
	1922	315,307	104,263	419,570	29,498	2,646	32,144	451,714

Table 69.—Imports into Quebec of Anthracite and Bituminous Coal by Grades and Ports of Entry, 1920, 1921 and 1922—Concluded

(Short Tons)

Port	Source and Year	Anthracite			Bituminous			Total all Grades
		Egg, Nut, etc.	Dust	Total	Round and run-of-mine	Slack	Total	
Shawinigan Falls.....	U.S. 1920	5,300	10,179	15,539	85,008	36,782	121,790	137,326
	1921	6,262	.....	6,262	19,180	31,294	50,451	50,716
	1922	3,827	.....	3,827	4,196	27,639	31,835	35,682
Sherbrooke.....	U.S. 1920	12,333	4,579	16,912	124,705	4,908	129,613	146,325
	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
Sorel.....	U.S. 1920	6,587	.....	6,587	13,529	221	13,753	20,340
	1921	4,147	.....	4,147	19,239	52	19,291	23,438
	1922	1,958	.....	1,958	2,998	58	3,056	5,014
	G.B. 1922	.....	.....	.....	267	.....	267	267
Three Rivers.....	U.S. 1920	15,783	.....	15,783	121,837	476	122,313	138,096
	1921	6,795	.....	6,795	37,044	9,492	47,436	54,231
	1922	8,798	25,184	34,782	37,804	981	38,875	73,657
	G.B. 1922	8,747	.....	8,747	35,312	4,482	39,794	48,511
Valleyfield.....	U.S. 1920	11,175	.....	11,175	23,098	7,258	31,256	42,431
	1921	11,965	.....	11,965	8,970	8,149	17,119	29,084
	1922	8,308	.....	8,308	6,307	3,526	9,833	18,141

Total.....	U.S. 1920	1,186,674	357,782	1,544,456	3,100,196	403,214	3,503,410	5,047,866
	1921	1,184,445	127,267	1,311,712	2,059,632	624,931	2,684,566	3,996,278
	1922	633,237	156,210	789,447	1,052,360	264,309	1,316,669	2,106,116
	G.B. 1922	139,236	13,281	152,517	431,962	177,554	609,516	762,033
Other Countries.....	1922	.....	.....	.....	75	.....	75	75

Table 70.—Distribution of Coal through Retail Dealers in Quebec by Municipalities,
1921 and 1922

(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		
Beauharnois.....	1921	2,632		98			2,730
	1922	1,071	97	50			1,218
Berthierville.....	1921	914		35			949
	1922	497					497
Farnham.....	1921	1,268		70			1,338
	1922	1,211					1,211
Huntingdon.....	1921	1,748			48		1,748
	1922	594					642
Lachine.....	1921	8,056		2,232		528	11,716
	1922	5,195	2	1,788		1,354	8,339
Longueuil.....	1921	3,421		725		41	4,187
	1922	1,924		156			2,080
Marieville.....	1921	1,465		45			1,510
	1922	563		40			549
Montreal.....	1921	631,364		127,166		36,566	795,096
	1922	417,311	4,708	322,080	70	77,463	821,641
Ormstown.....	1921	1,629		84			1,713
	1922	627		33		143	803
Quebec.....	1921	67,212		5,331		13,042	85,585
	1922	39,379	654	4,636	316	2,598	70,493
Richmond.....	1921	2,836					2,836
	1922	1,552		93			1,645
St. Hyacinthe.....	1921	8,051		383		936	9,370
	1922	3,978		1,701		3,714	9,393
St. Laurent.....	1921	2,179					2,179
	1922	1,106					1,106
St. Louis de Gonzague.....	1921	235				20	264
	1922	150					150
St. Polycarpe.....	1921	61					61
	1922						
St. Remi.....	1921	259					259
	1922	239					239
Sliferbrooke.....	1921	6,609					6,609
	1922	6,970					6,970
Sorel.....	1921	3,670		680		92	4,451
	1922	2,736		317		481	3,534
Valleyfield.....	1921	2,651		196			2,847
	1922	3,262		130		54	3,452
Vaudreuil Station.....	1921	103					103
	1922						
Other municipalities (156).....	1921	106,199		39,485		4,707	150,451
	1922	57,855	2,853	42,193	11,368	5,685	119,954
Total.....	1921	856,462		176,539		56,001	1,089,002
	1922	546,160	8,314	373,238	11,862	114,402	1,053,916

CHAPTER SIX

ONTARIO

The dependence of the province of Ontario upon the United States for its supply of fuel has been discussed so often that it seems hardly necessary to state the fact. So far it has not proved feasible to ship Canadian coal from either eastern or western Canada into Central Ontario owing principally to the high cost of rail transportation. The problem of the coal supply for the province of Ontario 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. In order, however, that the statistics for Ontario may be complete, the data given in Table 72 have been compiled to show the imports of anthracite and bituminous coal by grades received during the past three years at each port of entry within the province. A separate total has been taken off for Central Ontario ports as apart from the ports at the Head of the Lakes, and a total for the province has also been made.

Owing to the fact that scarcely any Canadian coal finds its way into the province of Ontario as a rule, and as all the imported coal is consumed within the province, there are seldom any items of export, and when they do occur they are always very small in amount. In 1921, 10 tons was cleared through Fort Frances and in 1922 the Customs export record showed that 76 tons had been cleared through the same port.

The consumption of coal in Central Ontario in 1920 amounted to 13,331,000 tons comprising 10,385,000 tons of bituminous and 2,946,000 tons of anthracite coal, nearly all of which was imported from the United States. A total of 2,259,000 tons of United States coal was dumped at the head of the lakes in that year. Of this quantity 296,000 tons was anthracite and the balance bituminous. About 15,000 tons of western Canadian coal was also shipped into the area served by the ports at the head of the lakes.

In 1921, the total consumption in Central Ontario declined to 11,543,000 tons including 2,809,000 tons of anthracite and 8,734,000 tons of bituminous. The ports at the head of the lakes received approximately the same quantity of coal as in the preceding year. The total coal made available for consumption in that area was about 2,249,000 tons, of which 11,900 tons was Canadian coal, 260,890 tons was United States anthracite and 1,976,000 tons was imported bituminous coal.

During 1922, owing to the great strike in United States coal fields, the supply of imported coal obtained by Central Ontario was considerably reduced and shipments of coal from the Maritime Provinces, particularly New Brunswick, were brought in to help meet the fuel needs of the province. Shipments from Eastern Canada mines amounted to 16,864 tons while western coal operators shipped to Ontario points a total of 21,943 tons. Most of the coal shipped to Ontario from western points was not brought farther east than the head of the lakes. The total consumption of coal in Central Ontario was 9,095,977 tons comprising 1,586,936 tons of anthracite and 7,509,041 tons of bituminous coal. At the head of the lakes, 2,019,794 tons of United States coal was dumped including 57,525 tons of anthracite and 1,962,269 tons of soft coal.

Supplementing the data given in Tables 22, 23 and 24 a further analysis of coal statistics for Ontario has been made in Table 71. While for statistical purposes Central Ontario may be regarded as a separate fuel area and the area west of and including Port Arthur may be counted in with Manitoba, it is of interest to know what imported coal is dumped at the ports at the head of the lakes and also what quantity of Canadian coal is received at Ontario points west of and including Fort William and Port Arthur. These data are given for the past three years in the table mentioned above.

The distribution of coal through retail dealers during the past two years has been shown by grades of coal for each principal municipality. These data are of particular interest when studied in conjunction with those given in Table 72 which shows the receipts of coal at each Customs port of entry. It must be borne in mind, however, that the coal for an entire area is often entered through a particular Customs port, and indeed it often happens, too, that large quantities of coal are received at a given Customs port and that only a very little of this coal is actually sold or used in that particular municipality.

Table 71.—Summary Statistics for 1920, 1921 and 1922—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.....	1920		2,945,782		2,945,782
	1921		2,809,327		2,809,327
	1922		1,586,036	900	1,586,036
Bituminous.....	1920	12,028	10,373,324		10,355,352
	1921		8,733,828		8,733,818
	1922	16,864	7,485,324	6,929	7,500,011
Total.....	1920	12,028	13,319,106		13,331,134
	1921		11,513,155		11,513,115
	1922	16,864	9,071,360	7,829	9,093,977
HEAD OF LAKES—					
Anthracite.....	1920		295,682		295,682
	1921		260,890		260,890
	1922		57,525		57,525
Bituminous.....	1920	629	1,963,579		1,964,208
	1921	4,375	1,975,918		1,980,293
	1922	924	1,962,269		1,963,193
Lignite.....	1920	14,271			14,271
	1921	7,529			7,529
	1922	21,019			21,019
Total.....	1920	14,900	2,259,261		2,274,181
	1921	11,944	2,236,808		2,218,712
	1922	21,943	2,019,791		2,011,737
TOTAL ONTARIO—					
Anthracite.....	1920		3,241,464		3,241,464
	1921		3,070,217		3,070,217
	1922		1,643,561	900	1,644,461
Bituminous.....	1920	12,657	12,336,903		12,349,500
	1921	4,375	10,709,746		10,714,111
	1922	17,788	7,447,593	6,929	9,472,234
Lignite.....	1920	14,271			14,271
	1921	7,529			7,529
	1922	21,019			21,019
Total.....	1920	26,928	15,578,367		15,605,395
	1921	11,981	13,779,963		13,791,557
	1922	38,807	11,091,154	7,829	11,137,714

Table 72.—Imports into Ontario of Anthracite and Bituminous Coal by Grades and by Ports of Entry, 1920, 1921 and 1922

Port	Source and Year	Anthracite			Bituminous			Total all Grades
		Lignite, Nut, etc.	Dust	Total	Round and run-of-mine	Slack	Total	
CENTRAL ONTARIO—								
Amherstburg.....	U.S. 1920	11,262		11,262	56,735	13,171	69,906	81,168
	1921	9,666		9,666	32,918	11,056	43,974	53,640
	1922	5,826		5,826	41,556	19,734	61,290	67,116
Belleville.....	U.S. 1920	43,680		43,680	27,379	57,192	84,571	128,251
	1921	36,921		36,921	49,760	59,639	109,399	146,320
	1922	17,475		17,475	15,689	44,832	60,521	77,996
Bowmanville.....	U.S. 1920	7,193		7,193	5,173	2,594	7,767	14,960
	1921	8,731		8,731	2,429	2,919	5,345	14,079
	1922	3,892		3,892	1,764	3,917	5,681	9,573
Brantford.....	U.S. 1920	53,046	784	54,730	57,834	17,190	75,924	129,751
	1921	51,154	544	51,698	29,618	11,492	41,110	92,808
	1922	37,728	890	38,616	32,524	13,532	46,056	84,672
Bridgeburg.....	U.S. 1920	17,049	2,582	19,631	602,997	6,792	609,789	629,420
	1921	47,803	163	47,966	809,107	9,261	818,368	866,334
	1922	24,996	158	25,154	814,069	3,656	817,725	842,879
Brockville.....	U.S. 1920	30,683		30,683	8,493	3,535	12,028	42,711
	1921	21,738		21,738	7,758	8,204	15,962	37,700
	1922	16,358		16,358	7,120	3,080	10,200	26,558
Chatham.....	U.S. 1920	15,074	76	15,150	268,862	17,260	286,122	301,272
	1921	9,042		9,042	194,443	46,067	240,510	249,552
	1922	2,896	194	3,190	134,446	30,642	165,888	188,278
Cobourg.....	U.S. 1920	35,863		35,863	415,564	15,172	430,736	466,599
	1921	28,238		28,238	387,167	7,684	394,851	423,089
	1922	21,287		21,287	254,329	6,657	260,986	282,273
Collingwood.....	U.S. 1920	12,280		12,280	7,802	2,538	10,340	22,630
	1921	12,450		12,450	3,563	1,986	5,549	17,999
	1922	5,721		5,721	4,563	1,702	6,265	11,986
Cornwall.....	U.S. 1920	20,177	9,786	29,963	29,886	2,180	32,066	62,929
	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
Deseronto.....	U.S. 1920	2,491		2,491	401		491	2,892
	1921	3,137		3,137	1,382		1,382	4,519
	1922	697		697	686		686	1,383
Fort Frances.....	U.S. 1920	2,648		2,648	100,369	11,588	111,957	114,605
	1921	133	5	138	118,370	9,586	127,956	128,894
	1922	12		12	53,924	14,158	68,082	68,894
Galt.....	U.S. 1920	34,923	541	35,464	41,474	7,711	49,185	84,619
	1921	34,560	521	35,051	22,840	7,918	39,753	65,839
	1922	21,917	527	22,444	29,907	4,661	31,568	57,012
Gananoque.....	U.S. 1920	10,769		10,769	5,510	49	5,559	16,329
	1921	5,297		5,297	4,963	564	5,527	10,824
	1922	4,404		4,404	3,880	648	4,528	8,932
Goderich.....	U.S. 1920	29,713	609	30,322	25,255	13,022	38,277	68,599
	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	50,947
Guelph.....	U.S. 1920	52,364	1,307	53,671	58,773	18,039	66,812	120,483
	1921	46,413	166	46,579	44,681	17,459	62,110	108,719
	1922	30,069	63	30,062	55,819	22,048	77,858	107,920
Hamilton.....	U.S. 1920	214,097	9,319	236,416	633,363	130,347	763,800	987,216
	1921	210,424	5,942	216,366	445,497	88,489	531,986	750,332
	1922	165,302	12,046	117,348	485,252	104,247	589,499	706,847
Ingersoll.....	U.S. 1920	6,828		6,828	354,215	23,404	377,619	384,447
	1921	7,872		7,872	51,337	7,627	53,961	66,836
	1922	3,579		3,579	13,455	3,565	17,020	20,599
Kingston.....	U.S. 1920	70,089	1,753	71,842	27,094	15,035	42,729	114,571
	1921	48,783		48,783	24,838	14,954	39,782	88,575
	1922	40,560	78	40,638	24,388	11,812	36,200	76,838
Kitchener.....	U.S. 1920	58,818	347	59,165	57,078	23,186	80,264	139,429
	1921	51,440	512	51,952	40,121	17,383	57,504	112,436
	1922	31,656	825	32,481	44,778	18,923	63,791	96,182

Table 72.—Imports into Ontario of Anthracite and Bituminous Coal by Grades and by Ports of Entry 1920, 1921 and 1922—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)								
Lindsay.....	U.S....1920	15,794	140	15,934	13,581	874	11,555	30,489
	1921	15,761	45	15,809	7,896	832	8,728	24,537
	1922	7,621	.....	7,621	4,629	2,735	7,361	14,985
London.....	U.S....1920	120,443	6,507	126,950	55,089	25,003	50,092	207,042
	1921	141,359	1,728	143,087	52,343	30,634	82,977	226,004
	1922	79,705	1,365	81,070	50,650	27,374	87,024	168,094
Midland.....	U.S....1920	6,388	51	6,439	237,189	454	237,643	244,082
	1921	6,127	.....	6,127	122,432	833	123,265	129,392
	1922	5,502	.....	5,502	123,609	744	124,333	128,855
Morrisburg.....	U.S....1920	8,538	.....	8,538	4,878	.....	4,878	13,416
	1921	4,532	.....	4,532	1,110	.....	1,110	5,642
	1922	2,476	.....	2,476	717	42	759	3,235
Napanee.....	U.S....1920	9,205	.....	9,205	5,503	588	6,091	15,296
	1921	10,967	.....	10,967	4,351	1,050	6,391	17,268
	1922	4,100	29	4,129	2,926	4,717	7,643	11,772
Niagara Falls.....	U.S....1920	73,332	5,378	78,710	56,932	18,860	57,792	154,502
	1921	108,626	500	109,186	61,899	5,795	62,694	176,880
	1922	58,763	328	59,091	25,618	12,392	38,010	97,101
North Bay.....	U.S....1920	28,190	356	28,546	202,564	11,184	213,748	212,294
	1921	29,908	205	30,113	205,116	20,927	226,043	226,156
	1922	13,177	52	13,229	117,520	31,212	118,732	161,961
	G.B....1922	.....	.....	.....	1,777	3,217	4,994	4,994
Orillia.....	U.S....1920	17,320	.....	17,329	27,285	8,133	35,418	52,747
	1921	10,379	.....	18,379	18,831	3,337	22,168	38,547
	1922	7,802	.....	7,802	13,104	4,798	17,902	25,704
Oshawa.....	U.S....1920	20,367	.....	20,367	21,652	14,917	36,569	56,936
	1921	18,444	91	18,535	8,502	11,591	20,183	38,718
	1922	12,000	79	12,929	16,154	18,713	34,867	47,546
Ottawa.....	U.S....1920	263,328	1,143	264,471	166,086	155,039	322,025	586,496
	1921	257,423	393	257,816	134,416	24,346	158,762	416,578
	1922	114,162	813	114,975	102,026	55,965	157,991	272,966
Owen Sound.....	U.S....1920	12,174	.....	12,174	20,863	178	21,041	33,215
	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
Paris.....	U.S....1920	13,389	278	13,667	12,028	832	12,860	26,527
	1921	12,796	174	12,970	4,942	1,994	6,936	19,906
	1922	6,507	.....	6,507	8,542	655	9,197	15,704
Parry Sound.....	U.S....1920	1,770	.....	1,770	522,091	16,702	535,793	546,563
	1921	1,868	.....	1,868	523,041	35,707	535,748	560,616
	1922	1,275	.....	1,275	313,235	16,751	329,986	331,261
Peterboro.....	U.S....1920	26,966	142	27,108	22,471	3,997	26,468	53,576
	1921	37,654	.....	37,654	21,441	4,331	25,772	63,426
	1922	19,417	106	19,523	21,525	3,773	25,298	44,821
Picton.....	U.S....1920	12,371	.....	12,371	3,322	.....	3,322	15,693
	1921	10,015	.....	10,015	3,203	.....	3,203	13,218
	1922	4,939	.....	4,939	3,569	.....	3,569	8,508
Port Hope.....	U.S....1920	12,016	114	12,130	2,637	6,194	8,831	20,961
	1921	10,473	32	10,505	1,839	4,667	6,506	17,011
	1922	5,511	84	5,595	1,820	5,865	7,685	13,280
Port McNicoll.....	U.S....1920	281	.....	281	27,122	.....	27,122	27,403
	1921	347	.....	347	32,559	.....	32,559	32,906
	1922	218	.....	218	23,324	.....	23,324	23,542
Prescott.....	U.S....1920	25,713	3,105	28,818	306,406	35,357	311,763	370,581
	1921	22,481	270	22,751	289,249	29,865	319,114	341,865
	1922	14,007	64	14,071	324,264	10,858	341,123	355,193
St. Catharines.....	U.S....1920	55,110	4,341	59,451	236,381	134,311	370,692	430,143
	1921	49,739	946	50,685	97,403	124,084	221,187	272,172
	1922	27,673	1,801	29,474	81,819	106,173	187,992	217,466
	G.B....1922	.....	.....	.....	1,035	.....	1,935	1,935

Table 72.—Imports into Ontario of Anthracite and Bituminous Coal by Grades and by Ports of Entry, 1920, 1921 and 1922—Concluded.

(Short Tons)

Port	Source and Year	Anthracite			Bituminous			Total all Grades
		Egg, Nut, etc.	Dust	Total	Round and run-of-mine	Slack	Total	
CENTRAL ONTARIO—								
St. Thomas.....	U.S. 1920	32,724	255	32,979	117,500	17,186	134,686	167,665
	1921	35,181	5,153	40,334	174,465	19,466	193,931	234,265
	1922	16,062	131	16,193	94,835	16,031	110,866	127,059
Sarnia.....	U.S. 1920	8,512	373	8,885	476,617	116,789	593,405	602,290
	1921	7,447	56	7,503	425,317	150,804	582,121	589,624
	1922	2,312		2,312	419,057	131,524	541,481	543,793
Sault Ste. Marie.....	U.S. 1920	23,517		23,517	1,250,909	104,916	1,415,825	1,439,342
	1921	27,328		27,328	557,119	294,555	851,674	879,002
	1922	3,888		3,888	424,184	92,529	516,713	520,601
Simcoe.....	U.S. 1920	2,100		2,100	6,967	667	7,634	9,734
	1921	1,905		1,905	5,225	1,014	6,239	8,144
	1922	616	35	651	7,030	773	7,803	8,451
Stratford.....	U.S. 1920	63,508	287	63,855	40,875	62,401	103,276	167,131
	1921	58,312	142	58,454	22,675	50,471	73,146	131,500
	1922	30,619	92	30,711	25,462	48,723	74,185	104,896
Sudbury.....	U.S. 1920	11,204		11,204	2,520	157	2,677	13,881
	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
	G.B. 1922	900		900				900
Tilsonburg.....	U.S. 1920	3,077		3,077	7,004	3,533	10,537	13,614
	1921	3,103		3,103	230,016	10,326	246,342	249,445
	1922	842		842	157,490	9,238	166,728	167,570
Toronto.....	U.S. 1920	1,125,540	66,344	1,191,884	1,042,297	447,289	1,489,586	2,631,470
	1921	1,057,606	17,020	1,071,626	887,876	404,323	1,292,199	2,366,825
	1922	601,694	39,606	641,300	756,397	374,822	1,131,249	1,772,519
Trenton.....	U.S. 1920	9,198		9,198	8,248	3,743	11,891	21,189
	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
Wallaceburg.....	U.S. 1920	1,912		1,912	37,331	12,996	50,327	52,239
	1921	1,928		1,928	15,719	14,826	30,545	32,473
	1922	658		658	13,233	22,943	36,176	36,834
Welland.....	U.S. 1920	23,895	146	24,041	58,506	12,577	71,173	95,214
	1921	19,115	133	19,248	102,314	33,577	135,891	155,139
	1922	12,734		12,734	105,110	44,130	149,246	161,980
Whitby.....	U.S. 1920	7,603		7,603	2,383	5,005	7,388	14,991
	1921	9,895		9,895	3,280	7,099	10,979	20,874
	1922	4,712		4,712	2,064	4,258	7,222	11,934
Windsor.....	U.S. 1920	41,362	594	41,956	821,272	98,610	919,882	961,838
	1921	38,667	343	39,010	638,075	76,820	714,765	753,775
	1922	22,857	950	23,807	664,820	58,969	725,789	747,596
Woodstock.....	U.S. 1920	22,030	231	22,261	20,415	1,867	22,282	41,543
	1921	24,039	322	24,361	15,001	2,897	18,798	43,159
	1922	11,105	51	11,156	15,411	2,676	18,087	29,243
TOTAL FOR CENTRAL ONTARIO.....	U.S. 1920	2,828,893	116,889	2,945,782	8,622,771	1,750,553	10,373,374	13,319,106
	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	1,538,956	6,035,551	1,449,793	7,183,324	9,071,360
	G.B. 1922	900		900	3,712	3,217	6,929	7,829
HEAD OF LAKES—								
Fort William.....	U.S. 1920	226,476		226,476	1,313,915	77,794	1,391,709	1,618,185
	1921	198,108		198,108	1,199,974	116,181	1,316,155	1,511,263
	1922	36,018		36,018	1,437,470	79,780	1,517,258	1,553,268
Port Arthur.....	U.S. 1920	69,200		69,206	560,965	10,905	571,870	611,076
	1921	62,782		62,782	650,150	9,613	659,763	722,345
	1922	21,507		21,507	444,916	103	445,019	468,526
TOTAL HEAD OF LAKES.....	U.S. 1920	295,682		295,682	1,874,880	88,699	1,963,579	2,259,261
	1921	260,890		260,890	1,850,124	125,794	1,975,918	2,236,908
	1922	57,525		57,525	1,882,386	79,883	1,962,269	2,019,791
Total for Ontario.....	U.S. 1920	3,124,575	116,889	3,211,461	10,197,631	1,839,252	12,336,903	15,578,367
	1921	3,021,301	45,913	3,070,216	8,854,892	1,854,851	10,709,746	13,779,963
	1922	1,573,515	70,016	1,613,561	7,917,917	1,529,676	9,147,533	11,091,154
	G.B. 1922	900		900	3,712	3,217	6,929	7,829

**Table 73.—Distribution of Coal through Retail Dealers in Ontario by Municipalities,
1921 and 1922**

(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		
Acton.....	1921	1,106				44	1,150
	1922	972		121			1,093
Ailsa Craig.....	1921	883		44			927
	1922	132		52			184
Alliston.....	1921	2,553		179			2,732
	1922	1,093		203			1,296
Alvinston.....	1921	555		47			602
	1922	153					153
Antherstburg.....	1921	1,633		61			1,694
	1922	498		62			560
Aurora.....	1921	4,569		158			4,727
	1922	1,575		139			1,714
Barry.....	1921	8,477		941			9,418
	1922	4,066		813			4,879
Bath.....	1921	1,763		140			1,903
	1922			50			50
Beaverton.....	1921	925					925
	1922	366					366
Beeton.....	1921	730					730
	1922	222					222
Belleville.....	1921	18,888		1,887			20,755
	1922	9,185		2,631			11,816
Bowmanville.....	1921	7,605		446			8,051
	1922	3,463		483			3,946
Brampton.....	1921	7,863		727			8,590
	1922	2,727		727			3,454
Brantford.....	1921	39,273		5,467			44,740
	1922	23,125		3,878		277	27,280
Brockville.....	1921	18,688		15,047			33,735
	1922	15,321		7,230		300	22,851
Brooklyn.....	1921	1,121		44			1,165
	1922	832		75			907
Brussels.....	1921	873					873
	1922	243					243
Burlington.....	1921	3,469		250			3,719
	1922	1,965		130			2,095
Campbellville.....	1921	730					730
	1922	222					222
Casselman.....	1921	413		623			1,036
	1922	122		1,038			1,160
Chatham.....	1921	2,273		1,209			3,482
	1922	2,844		2,766			5,616
Chesley.....	1921	1,393					1,393
	1922	1,669		48			1,717
Cobourg.....	1921	1,874		97			1,971
	1922	3,140		1,260			4,399
Colborne.....	1921	1,663					1,663
	1922	521					521
Coldwater.....	1921	402					402
	1922	193					193
Collingwood.....	1921	5,103		586			5,689
	1922	2,617		2,741			5,258

Table 73.—Distribution of Coal through Retail Dealers in Ontario by Municipalities, 1921 and 1922—Continued

(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		
Cornwall.....	1921	9,450	.....	614	.....	104	10,064
	1922	6,806	236	633	.....	104	7,579
Drayton.....	1921	537	.....	.....	.....	41	578
	1922	488	.....	.....	.....	488	488
Dundas.....	1921	8,098	.....	867	.....	.....	8,965
	1922	2,527	192	794	.....	90	3,513
Elmira.....	1921	2,866	.....	80	.....	120	3,066
	1922	1,430	.....	192	.....	.....	1,622
Elora.....	1921	2,388	.....	52	.....	.....	2,438
	1922	1,430	.....	130	.....	.....	1,560
Embrum.....	1921	106	.....	.....	.....	.....	106
	1922	.....	.....	.....	.....	.....	.....
Ethel.....	1921	156	.....	.....	.....	28	156
	1922	33	.....	.....	.....	.....	61
Exeter.....	1921	2,001	.....	.....	150	.....	2,001
	1922	1,071	.....	.....	150	.....	1,221
Finch.....	1921	171	.....	49	.....	.....	220
	1922	251	.....	.....	.....	.....	251
Forest.....	1921	1,625	.....	97	.....	.....	1,722
	1922	1,096	.....	91	.....	.....	1,187
Fort William.....	1921	26,296	.....	11,225	.....	2,108	39,629
	1922	25,138	.....	35,943	.....	1,825	62,966
Galt.....	1921	13,908	.....	441	.....	.....	14,340
	1922	7,792	.....	1,179	.....	74	9,045
Georgetown.....	1921	2,758	.....	366	.....	51	3,175
	1922	1,723	.....	465	.....	.....	2,188
Glencoe.....	1921	1,086	.....	88	.....	.....	1,174
	1922	434	.....	.....	.....	.....	434
Goderich.....	1921	5,230	.....	451	.....	.....	5,681
	1922	2,709	.....	380	.....	.....	3,089
Granton.....	1921	666	.....	197	.....	.....	863
	1922	802	.....	141	.....	.....	943
Grimsby.....	1921	4,810	.....	46	.....	.....	4,856
	1922	3,200	.....	231	.....	.....	3,431
Guelph.....	1921	28,658	.....	2,900	.....	178	31,826
	1922	14,542	.....	3,966	.....	30	18,538
Hagersville.....	1921	700	.....	635	.....	.....	1,395
	1922	308	.....	187	.....	.....	495
Hamilton.....	1921	162,577	.....	54,435	.....	.....	217,012
	1922	79,824	.....	64,418	.....	3,003	147,245
Harriston.....	1921	1,795	.....	.....	.....	.....	1,795
	1922	269	.....	.....	.....	.....	269
Ingersoll.....	1921	5,042	.....	1,101	.....	68	7,111
	1922	2,942	.....	1,183	.....	.....	4,126
Kemptville.....	1921	3,218	.....	198	.....	.....	3,415
	1922	789	200	142	.....	45	1,176
Kingston.....	1921	37,935	.....	3,810	.....	.....	41,745
	1922	31,445	.....	2,234	.....	.....	33,679
Kitchener.....	1921	10,569	.....	2,978	.....	39	22,586
	1922	10,215	.....	3,761	.....	179	14,155
Lindsay.....	1921	6,784	.....	485	.....	.....	7,269
	1922	2,978	.....	743	.....	.....	3,721

Table 73.—Distribution of Coal through Retail Dealers in Ontario by Municipalities,
1921 and 1922—Continued

(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		
Listowel.....	1921	5,137	.....	139	.....	47	5,323
	1922	2,367	.....	291	.....	50	2,708
London.....	1921	82,022	.....	20,260	.....	154	102,436
	1922	40,707	.....	18,585	.....	95	68,397
Markham.....	1921	1,141	.....	94	.....		1,235
	1922	1,425	.....	184	.....		1,609
Midland.....	1921	.....	.....	33,407	.....	4,290	42,058
Millbrook.....	1921	1,387	.....	.....	.....		1,387
	1922	453	.....	.....	.....		453
Milverton.....	1921	1,729	.....	39	.....		1,768
	1922	1,043	.....	153	.....		1,196
Mount Forest.....	1921	2,240	.....	230	.....		2,470
	1922	858	.....	203	.....		1,961
Napanee.....	1921	5,814	.....	906	.....		6,620
	1922	2,330	.....	437	.....		2,767
Neustadt.....	1921	388	.....	.....	.....		388
	1922	363	.....	.....	.....		363
New Hamburg.....	1921	2,552	.....	272	.....		2,824
	1922	1,740	.....	158	.....		1,898
Newmarket.....	1921	6,287	.....	74	.....		6,361
	1922	4,168	.....	231	.....		4,389
Ningara Falls.....	1921	13,799	.....	1,671	.....		15,470
	1922	7,640	.....	2,221	.....		9,861
North Bay.....	1921	9,821	.....	173	.....		9,994
	1922	5,705	.....	1,070	.....		6,775
Oakville.....	1921	688	.....	931	.....		1,619
	1922	3,370	.....	783	.....		4,153
Orillia.....	1921	9,335	.....	685	.....		10,020
	1922	4,552	.....	1,238	.....		5,790
Oshawa.....	1921	11,015	.....	373	.....		11,388
	1922	6,069	.....	646	.....		6,715
Ottawa.....	1921	196,405	.....	20,301	.....	5,352	222,058
	1922	70,500	8,442	16,550	186	10,865	106,533
Otterville.....	1921	667	.....	.....	.....		667
	1922	348	.....	.....	.....		348
Owen Sound.....	1921	11,198	.....	11,764	.....	121	23,083
	1922	4,462	.....	3,011	.....	40	7,513
Palmerston.....	1921	2,112	.....	.....	.....		2,112
	1922	1,000	.....	96	.....		1,096
Penetangueshene.....	1921	1,222	.....	136	.....		1,358
	1922	225	.....	220	.....		445
Perth.....	1921	4,850	.....	.....	.....		4,850
	1922	3,215	194	409	.....		3,818
Peterborough.....	1921	30,826	.....	6,047	.....		36,873
	1922	16,934	.....	5,256	.....	321	22,511
Picton.....	1921	6,040	.....	582	.....		6,631
	1922	3,595	.....	754	.....		4,349
Port Arthur.....	1921	15,923	.....	7,376	.....	924	24,223
	1922	4,923	.....	3,428	.....	1,055	9,406
Port Dalhousie.....	1921	3,476	.....	9,139	.....	29	12,644
	1922	1,692	.....	6,278	.....		7,970

Table 73.—Distribution of Coal through Retail Dealers in Ontario by Municipalities, 1921 and 1922—Continued

(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		
Port Elgin.....	1921	1,458	.....	.....	.....	.....	1,458
	1922	561	.....	.....	.....	.....	561
Port Hope.....	1921	5,638	.....	393	.....	.....	6,031
	1922	2,990	.....	189	.....	32	3,211
Port Perry.....	1921	2,626	.....	101	.....	.....	2,727
	1922	701	.....	.....	.....	.....	701
Prescott.....	1921	4,800	.....	744	.....	.....	5,544
	1922	3,930	.....	622	.....	.....	4,552
Preston.....	1921	7,204	.....	137	.....	.....	7,341
	1922	5,410	.....	540	.....	.....	5,950
St. Catharines.....	1921	24,759	.....	1,321	.....	.....	26,080
	1922	9,580	.....	1,002	.....	.....	11,242
St. Mary's.....	1921	8,593	.....	453	.....	106	9,152
	1922	5,008	.....	316	.....	.....	6,124
St. Thomas.....	1921	22,305	.....	1,990	.....	.....	24,295
	1922	10,393	.....	2,192	.....	51	12,636
Sarnia.....	1921	4,385	.....	1,859	.....	.....	6,244
	1922	1,886	.....	3,359	.....	.....	5,245
Sault Ste. Marie.....	1921	12,861	.....	10,474	.....	.....	23,335
	1922	3,461	.....	8,443	.....	.....	11,904
Seaforth.....	1921	4,786	.....	129	.....	.....	4,915
	1922	1,632	.....	.....	.....	.....	1,632
Shelburne.....	1921	2,389	.....	.....	.....	.....	2,389
	1922	1,061	.....	.....	.....	.....	1,061
Smiths Falls.....	1921	3,875	.....	.....	.....	.....	3,875
	1922	1,793	.....	285	.....	.....	2,078
Stoney Point.....	1921	435	.....	52	.....	.....	487
	1922	71	.....	57	.....	.....	128
Stratford.....	1921	20,042	.....	1,808	.....	.....	21,850
	1922	12,250	.....	2,655	.....	.....	14,905
Strathroy.....	1921	3,827	.....	337	.....	.....	4,164
	1922	2,795	.....	1,005	.....	74	3,874
Sudbury.....	1921	8,346	.....	2,278	.....	.....	10,624
	1922	4,385	.....	2,767	.....	266	7,418
Tavistock.....	1921	2,176	.....	250	.....	.....	2,426
	1922	1,190	.....	152	.....	.....	1,342
Toronto.....	1921	673,228	.....	182,083	.....	425	855,736
	1922	350,753	*11,567	216,758	.....	640	579,724
Trenton.....	1921	4,831	.....	4,050	.....	.....	8,881
	1922	3,491	.....	402	.....	.....	3,893
Tweed.....	1921	1,020	.....	32	.....	.....	1,052
	1922	266	.....	29	.....	.....	295
Uxbridge.....	1921	1,213	.....	.....	.....	.....	1,213
	1922	529	.....	.....	.....	.....	529
Vankleek Hill.....	1921	1,007	.....	.....	.....	.....	1,007
	1922	377	.....	.....	.....	.....	377
Walkerton.....	1921	3,043	.....	387	.....	.....	3,430
	1922	1,201	.....	150	.....	.....	1,351
Wallaceburg.....	1921	435	.....	409	.....	.....	844
	1922	170	.....	561	.....	54	785
Waterloo.....	1921	2,675	.....	500	.....	.....	3,175
	1922	5,924	.....	3,842	.....	.....	9,766

Table 73—Distribution of Coal through Retail Dealers in Ontario by Municipalities, 1921 and 1922—Concluded
 (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		
Watford.....	1921	1,835	.....	82	.....	.....	1,917
	1922	920	.....	69	.....	.....	989
Welland.....	1921	7,099	.....	2,681	.....	.....	9,780
	1922	3,660	.....	648	.....	202	4,510
Whitby.....	1921	3,560	.....	141	.....	.....	3,701
	1922	659	.....	90	.....	.....	749
Wiarton.....	1921	528	.....	.....	.....	.....	528
	1922	284	.....	.....	.....	.....	284
Winchester.....	1921	2,124	.....	.....	.....	.....	2,124
	1922	859	.....	87	.....	.....	946
Windsor.....	1921	12,536	.....	4,758	.....	383	17,677
	1922	6,605	41	5,951	37	.....	12,694
Wingham.....	1921	2,803	.....	.....	.....	.....	2,803
	1922	510	.....	50	.....	.....	560
Woodstock.....	1921	17,748	.....	4,767	.....	81	22,596
	1922	6,809	.....	4,552	.....	40	11,491
Other municipalities (403).....	1921	314,971	.....	36,328	.....	4,765	365,064
	1922	140,391	1,515	28,424	79	4,322	174,731
Total.....	1921	2,161,410	.....	448,794	.....	15,036	2,565,240
	1922	1,074,058	22,297	529,323	302	28,348	1,654,328

*Distributed by City Authorities.

NOTE.—Sandwich included in Windsor.

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 1920, Manitoba received 865,000 tons of Canadian coal from western provinces and 61,000 tons of United States coal through the customs ports of Manitoba. Imports of United States coal through Fort William, Port Arthur and the Customs ports of Manitoba, however, showed that 2,320,000 tons was brought in, and 880,000 tons of Canadian coal was received in this area. The imported coal was made up of 2,000,000 tons of bituminous and 313,000 tons of anthracite. In 1921, the apparent consumption of coal in the province of Manitoba (including receipts at the head of the lakes) was practically the same as in the preceding year with the exception that only 688,000 tons of Canadian coal was received. Imports from the United States were almost identical with the quantities imported in the preceding year.

The total amount of coal made available during 1922 for consumption in Manitoba and the part of Ontario west of the Great Lakes was 2,827,379 tons and included 720,104 tons of Canadian coal, 72,240 tons of United States anthracite, and 2,037,117 tons of United States bituminous coal. Imports of anthracite coal from the United States in 1921 amounted to 294,363 tons. Apart from this and from the fact that considerably larger quantities of western coal were brought into Manitoba during the year than formerly the figures given do not differ greatly from those of the preceding year. 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, 1920, 1921 and 1922
(Short tons)

Port	1920	1921	1922
Brandon.....	17	5	180
Emerson.....	192	1,160	1,258
Gretna.....	427	425	331
Winnipeg.....	85	100	313
Total.....	721	1,690	2,082

Table 75.—Summary Statistics for 1920, 1921 and 1922.—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.....	1920	1,356	17,500	18,865
	1921	384	33,473	33,857
	1922	10	14,715	14,725
Bituminous.....	1920	259,066	721	301,802
	1921	110,858	1,690	186,001
	1922	93,683	2,082	166,449
Lignite.....	1920	604,465		604,465
	1921	564,054		564,054
	1922	604,468		604,468
Total.....	1920	864,887	171	952,222
	1921	676,196	1,690	784,812
	1922	688,161	2,082	785,612
HEAD OF LAKES—				
Anthracite.....	1920		295,682	295,682
	1921		260,890	260,890
	1922		57,525	57,525
Bituminous.....	1920	629	1,963,579	1,964,208
	1921	4,375	1,975,918	1,980,293
	1922	924	1,962,269	1,963,193
Lignite.....	1920	14,271		14,271
	1921	7,529		7,529
	1922	21,019		21,019
Total.....	1920	14,900	2,259,261	2,274,161
	1921	11,904	2,236,808	2,248,712
	1922	21,943	2,019,794	2,041,737
MANITOBA AND HEAD OF LAKES—				
Anthracite.....	1920	1,356	313,191	314,547
	1921	384	294,363	294,747
	1922	10	72,240	72,250
Bituminous.....	1920	259,695	721	2,007,126
	1921	115,233	1,690	2,052,751
	1922	94,607	2,082	2,037,117
Lignite.....	1920	618,736		618,736
	1921	572,483		572,483
	1922	625,487		625,487
Total.....	1920	879,787	721	3,199,383
	1921	688,100	1,690	3,033,524
	1922	720,104	2,082	2,827,379

Table 76.—Imports into Manitoba and the Head of the Lakes, of Anthracite and Bituminous Coal by Grades and Ports of Entry, 1920, 1921 and 1922

(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. 1920	215		215	3,560	3,647	7,207	7,422
	1921	653		653	1,565	7,182	8,747	9,300
	1922	194	30	224	2,618	7,927	10,543	10,769
Emerson.....	U.S. 1920			56			56	56
	1921	290		290	92		92	382
	1922				133		133	133
Gretna.....	U.S. 1920	798		798	1,541	45	1,586	2,384
	1921	1,062		1,062	1,468	2	1,470	2,532
	1922	301		301	898	372	1,270	1,571
Portage la Prairie.....	U.S. 1920	193	31	224	776	1,711	2,487	2,711
	1921	666		666	39	2,588	2,627	3,293
	1922	98	32	130	313	3,051	3,364	3,494
Winnipeg.....	U.S. 1920	11,314	4,958	16,272	17,668	14,543	32,211	48,483
	1921	28,053	2,749	30,802	22,651	41,246	63,897	94,699
	1922	10,382	3,678	14,060	25,529	34,007	59,536	73,596
Total for Manitoba.....	U.S. 1920	12,520	4,989	17,509	23,601	19,916	43,547	61,056
	1921	30,724	2,749	33,473	25,815	51,918	76,833	110,306
	1922	10,975	3,740	14,715	29,491	45,352	74,818	89,563
HEAD OF LAKES—								
Fort William.....	U.S. 1920	226,476		226,476	1,313,915	77,791	1,391,709	1,618,185
	1921	198,108		198,108	1,199,973	116,181	1,316,153	1,514,263
	1922	36,018		36,018	1,437,470	79,780	1,517,250	1,533,268
Port Arthur.....	U.S. 1920	60,206		60,206	560,965	10,005	571,870	641,976
	1921	62,782		62,782	650,150	9,613	659,763	722,545
	1922	21,507		21,507	414,916	103	415,019	466,526
Total, Head of Lakes.....	U.S. 1920	295,682		295,682	1,874,880	88,699	1,963,579	2,259,261
	1921	260,890		260,890	1,850,124	125,791	1,975,918	2,236,808
	1922	57,525		57,525	1,882,386	79,883	1,962,269	2,019,794
Total for Manitoba and Head of Lakes.....	U.S. 1920	308,202	4,989	313,191	1,898,484	108,645	2,007,126	2,320,317
	1921	291,614	2,749	294,363	1,875,939	176,812	2,052,751	2,347,114
	1922	68,500	3,740	72,210	1,911,877	125,240	2,037,117	2,109,357

Table 77.—Distribution of Coal through Retail Dealers in Manitoba by Municipalities 1921 and 1922

(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.....	1921	2,113		2,351		24,772	29,236
	1922	1,224		1,283		38,396	40,843
Deloraine.....	1921	284				3,030	3,314
	1922	209				1,276	1,185
Elgin.....	1921	205				717	922
	1922	139				1,386	1,505
Grandview.....	1921	32				194	226
	1922					176	176

**Table 77.—Distribution of Coal through Retail Dealers in Manitoba by Municipalities
1921 and 1922—Concluded**

(Compiled in the Internal Trade Branch)—Con.

(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.....	1921	662	.....	.....	.....	1,004	1,666
	1922	784	.....	.....	.....	1,163	1,948
Hamiota.....	1921	168	.....	.....	.....	1,303	1,561
	1922	502	.....	.....	.....	1,848	2,350
Portage la Prairie.....	1921	821	.....	340	.....	7,183	8,314
	1922	652	.....	1,433	.....	14,784	16,869
Souris.....	1921	238	.....	32	.....	2,791	3,061
	1922	319	.....	.....	.....	4,044	4,363
Treherne.....	1921	98	.....	73	.....	750	921
	1922	192	.....	11	.....	693	896
Winkler.....	1921	1,652	.....	32	.....	2,757	4,411
	1922	1,204	.....	34	.....	11,309	12,547
Winnipeg.....	1921	37,108	.....	26,611	.....	99,433	163,152
	1922	28,080	.....	59,152	.....	123,117	210,349
Other Municipalities (188).....	1921	18,393	.....	3,688	.....	86,141	108,222
	1922	12,624	.....	3,497	.....	84,096	100,217
Total.....	1921	61,774	.....	33,127	.....	230,165	325,066
	1922	45,929	.....	65,410	.....	282,289	393,548

CHAPTER EIGHT

SASKATCHEWAN

Output and Disposition

A new record output was established by the coal mines of Saskatchewan in 1922 when 382,437 tons was produced. The value of the output was, however, less than the values recorded for 1921 and 1919. Seventy-seven per cent of the possible output was produced and most of the tonnage lost was due to lack of orders.

Table 78 shows the output from Saskatchewan mines since 1887 and Table 79 shows the output of the principal collieries of the province for the past three years. An analysis of the tonnage lost has been compiled in Table 80. The disposition of the output for the past two years as shown in Table 81 indicates that a very large part of the coal mined was shipped and Table 82 shows the destinations of these shipments in 1921 and 1922. More coal was shipped to Saskatchewan points in 1922 than in the preceding year and at the same time the tonnage forwarded to Manitoba and the amount of coal exported to the United States were also increased. The shipments table shows that about 1,500 tons was shipped from the mines of Saskatchewan to points in United States. Table 83 in which the tonnages cleared through customs ports of Saskatchewan for export trade are given, shows a considerably larger amount. The probability is that some of the coal referred to in the latter table originated in Alberta.

Table 78.—Output of Coal from Saskatchewan Mines,* 1887-1922

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	293,923
1894.....	(b) 15,051	15,153	1911.....	206,779	347,248
1895.....	15,769	31,538	1912.....	225,342	368,135
1896.....	16,706	25,059	1913.....	212,897	358,102
1897.....	25,000	37,500	1914.....	232,299	374,215
1898.....	25,000	37,500	1915.....	240,197	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.....	346,847	722,148
1902.....	70,400	112,640	1919.....	370,347	819,390
1903.....	116,703	169,618	1920.....	335,322	797,838
1904.....	124,885	187,021	1921.....	335,632	823,180
1905.....	107,596	152,334	1922.....	382,437	802,053
			Total.....	4,959,146	9,104,010

(a) From Turtle Mountain district, Manitoba.

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

*Note.—Production quantities and values prior to 1919 refer to sales and colliery consumption. For 1919, 1920, 1921 and 1922, mine output figures are given.

Table 79.—Output of Coal by Principal Collieries in Saskatchewan for 1920, 1921 and 1922.—(Average of 500 tons or more per month)

(Short Tons)

Colliery	1920	1921	1922
Bienfait Commercial Co., Ltd.....	41,263	28,979	18,178
Bienfait Mine.....	65,440	44,927	74,542
Crescent Collieries, Ltd.....	35,213	35,801	39,190
Estevan Coal and Brick Co., Ltd.....	6,263	6,495	771
Manitoba and Sask. Coal Co., Ltd.....	46,291	57,165	57,825
Nicholson, H.....	3,518	5,416	3,903
Shand Coal and Brick Co., Ltd.....	17,407	14,285	19,047
Western Dominion Collieries, Ltd.....	91,875	108,712	124,911
Western Collieries, Ltd.....	1,962	4,328	4,088
All other operators.....	25,990	29,524	39,982
Total.....	335,222	335,632	382,137

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

% Produced	% Lost	Percentage lost through				
		Absenteeism	Lack of Orders	Car Shortage	Mine Disability	Other Causes
77	23	0.3	19.5	0.4	0.5	2.3

Table 81.—Disposition of Coal from Saskatchewan Mines, by Grades, 1921 and 1922

(Short Tons)

Disposition	1921				1922			
	Run of mine	Lump	Slack	Total coal	Run of mine	Lump	Slack	Total coal
Supplied to employees for domestic consumption	3,067	621	165	3,853	2,729	1,303	63	4,095
Used under colliery boilers, etc.	5,113	.....	9,663	14,776	1,941	.....	13,661	15,602
Used by company's railroads	3,180	.....	70	3,250	3,666	.....	.....	3,666
Shipped (See Table 82)	178,456	99,053	32,410	309,919	208,935	101,558	45,408	355,901
Used in making coke at colliery	.....	.....	.....	.....	.....	.....	.....	.....
Used in making briquettes	.....	.....	.....	.....	.....	.....	.....	.....
Put on bank	2,372	71	13	2,456	1,182	2,507	30	3,719
Put on waste heap	562	.....	2,894	3,456	5	.....	2,944	2,949
Total Disposition	192,750	99,745	45,215	337,710	218,458	105,368	62,106	385,932
Lifted from bank	1,943	74	61	2,078	1,073	2,085	337	3,495
Total Output	190,807	99,671	45,154	335,632	217,385	103,283	61,769	382,437

Table 82.—Shipments of Coal from Saskatchewan Mines, by Grades and Destination, 1921 and 1922

(Short Tons)

Destination	1921				1922			
	Run of mine	Lump	Slack	Total coal	Run of mine	Lump	Slack	Total coal
Saskatchewan	78,501	65,945	8,862	153,308	107,526	59,383	10,834	177,743
Alberta	1,747	71	379	2,197	1,759	.....	.....	588
British Columbia	97,854	32,404	23,125	153,383	91,252	42,067	34,039	167,358
Manitoba	330	44	374	374	.....	108	.....	108
Ontario	354	.....	354	1,548	.....	.....	.....	1,548
United States	303	.....	303	6,262	.....	.....	535	6,797
Railroads	.....	.....	.....	.....	.....	.....	.....	.....
Total	178,456	99,053	32,410	309,919	208,935	101,558	45,408	355,901

Table 83.—Exports of Canadian Coal through Saskatchewan Ports, 1920, 1921 and 1922

(Short Tons)

Port	1920	1921	1922
Moose Jaw	.....	.....	.....
North Portal	.....	3,100	120
Regina	32	2,510	3,703
Total	3,132	2,633	5,040

Employees, Salaries and Wages

There was a considerable decrease in the number of salaried employees and in the salaries paid in 1922 as compared with the previous year; these data are shown in Table 84.

The average number of wage-earners employed in Saskatchewan mines during 1922 was 60, an increase of 25 over the number in the preceding year. The number of surface employees was less than in 1921, and the increase was accounted for by the larger number of underground workers. Although the total wages paid in 1922 was considerably below that for the preceding year, the average number of days' work done by all employees was 228 as compared with 190

days in 1921. Underground workers obtained 226 days' employment on the average as compared with 188 days in the preceding year, and the surface employees worked 233 days as against 194 days in 1921. The average earnings per man-day amounted to \$4.75 as against \$5.93 in the preceding year. Complete data are given in Table 85. The average number of employees classified according to nature of their employment has been compiled and the data are given in Tables 86 and 87. It will be noted that a change in the classification of employees was adopted in 1922.

Table 84.—Salaried Employees and Salaries Paid on the Coal Mine Staffs in Saskatchewan, 1921 and 1922

	1921			1922			\$
	Male	Female	Total salaries	Male	Female	Total salaries	
			\$			\$	
Salaried officers of corporation	3		11,800	3			12,400
General superintendents and managers	14		44,190	11			29,290
Technical experts and accountants	8		12,821	7			8,295
Clerks, stenographers and salesmen	19	4	31,529	10			16,583
Total	44	4	100,340	31	1	66,568	

Table 85.—Number of Employees, Work Done, by Months and Wages Paid in Saskatchewan Coal Mines in 1922, with comparative totals for 1921

Month	Number of Employees			Days' Work Done			\$
	Surface	Under-ground	Total	Surface	Under-ground	Total	
1922							
January	132	457	589	2,679	8,418	11,097	
February	128	427	555	2,262	7,907	10,169	
March	117	370	487	1,743	6,186	7,929	
April	91	292	383	1,518	3,798	5,316	
May	114	224	338	1,812	3,911	5,723	
June	96	247	342	1,735	4,178	5,913	
July	103	239	342	1,959	4,212	6,171	
August	96	230	325	2,013	4,239	6,252	In
September	114	274	388	2,581	6,107	8,688	1922
October	123	411	534	2,684	8,304	10,988	
November	137	505	642	2,985	10,273	13,258	
December	129	470	599	2,873	10,408	13,281	
				26,841	77,941	104,785	\$431,244
1922							
Total				233 days per year	226 days per year	228 days per year	\$4.75 per day
Average	115	345	460				
1921							
Total				24,512	58,111	82,623	\$489,696
Average	126	309	435	194 days per year	188 days per year	190 days per year	\$5.93 per day

Table 86.—Average Number of Employees in Saskatchewan Coal Mines, by Classes, 1921

Classification	1921		
	Surface	Under-ground	Total
Administration and supervision	11	7	18
Clerical assistance	10		10
Miners and helpers	22	267	289
Haulage employees	13	18	31
Mechanics and skilled labour	16	2	18
Other employees	54	15	69
Total	126	309	435

Table 87.—Average Number of Employees in Saskatchewan Coal Mines, by Classes, 1922

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

Imports and Distribution

Small quantities of United States coal are imported annually into Saskatchewan and the tonnages of anthracite and bituminous coal by grades and by ports of entry, have been shown in Table 88. The distribution of coal through retail dealers in the province is given in Table 89, division being made to show the tonnages of the several kinds of coal handled.

Table 88.—Imports into Saskatchewan of Anthracite and Bituminous Coal by Grades and by Ports of Entry, 1920, 1921 and 1922

(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. 1920				182		182	182
	1921 121			121	500	601	1,101	1,223
	1922 111			111	217	249	466	577
North Portal.....	U.S. 1920 45			45	81		81	126
	1921				39		39	39
	1922				69		69	69
Prince Albert.....	U.S. 1920					162	162	162
	1921					115	115	115
	1922							
Regina.....	U.S. 1920 117			117	130		130	247
	1921 133			133	71	379	450	583
	1922			120	77	317	394	514
Saskatoon.....	U.S. 1920 44			44	142		142	186
	1921				35	340	375	375
	1922				22	418	440	440
Total.....	U.S. 1920 162		44	206	535		535	741
	1921 254			254	645	1,482	2,127	2,381
	1922 111		120	231	385	1,099	1,484	1,715

Table 89.—Distribution of Coal through Retail Dealers in Saskatchewan, by Municipalities, 1921 and 1922

(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		
Abbey.....	1921				32	1,534	1,566
	1922	45				1,519	1,561
Aberdeen.....	1921		31			1,758	1,789
	1922		31			1,603	1,634
Alsask.....	1921		31			1,060	1,100
	1922					921	921
Aneroid.....	1921		63			1,115	1,178
	1922					1,730	1,730
Antler.....	1921		99			898	997
	1922		59			989	1,048
Areola.....	1921					1,299	1,299
	1922					2,390	2,399
Ardath.....	1921					973	973
	1922					1,036	1,036
Asquith.....	1921		93			1,456	1,549
	1922					1,345	1,345
Assiniboia.....	1921		193			4,393	4,586
	1922		102			4,449	4,551
Aylesbury.....	1921		62			1,436	1,498
	1922		32			1,667	1,699
Balcarres.....	1921					726	726
	1922		40			1,079	1,119
Bengough.....	1921					212	212
	1922					82	82
Bethune.....	1921	148				850	998
	1922					672	672
Biggar.....	1921	64		276		4,689	5,029
	1922			740		3,950	4,690
Borden.....	1921	75				859	931
	1922	32				1,169	1,201
Bradwell.....	1921	64				730	791
	1922					548	548
Broadview.....	1921	33				1,205	1,238
	1922	148				1,074	1,222
Brock.....	1921					936	936
	1922					1,113	1,113
Broderick.....	1921	78				1,471	1,549
	1922					1,179	1,179
Brownlee.....	1921	31				480	511
	1922					1,048	1,048
Cabri.....	1921	63		143		2,627	2,833
	1922					3,303	3,363
Cadillac.....	1921	66				1,321	1,387
	1922	33				1,944	1,977
Carevale.....	1921			27		1,770	1,797
	1922			73		1,421	1,494
Carmichael.....	1921					902	902
	1922					1,259	1,259
Central Butte.....	1921	61				1,032	1,093
	1922	33				1,501	1,531
Ceylon.....	1921					744	744
	1922					818	818

Table 89.—Distribution of Coal through Retail Dealers in Saskatchewan by Municipalities, 1921 and 1922—Continued

(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		
Conquest.....	1921	104	.....	33	.....	1,626	1,763
	1922	.....	.....	.....	.....	1,257	1,257
Consul.....	1921	.....	.....	.....	.....	329	329
	1922	.....	.....	.....	.....	305	305
Craik.....	1921	.....	.....	.....	.....	3,354	3,354
	1922	99	.....	.....	.....	3,699	3,798
Cupar.....	1921	96	.....	.....	.....	2,282	2,378
	1922	102	.....	.....	.....	2,215	2,317
Denholm.....	1921	27	.....	.....	.....	551	578
	1922	28	.....	.....	.....	471	499
Dilke.....	1921	41	.....	.....	.....	361	402
	1922	96	.....	.....	.....	999	1,095
Dinsmore.....	1921	93	.....	.....	.....	811	904
	1922	32	.....	.....	.....	802	834
Donavon.....	1921	.....	.....	.....	.....	425	425
	1922	.....	.....	.....	.....	464	464
Drake.....	1921	33	.....	.....	.....	334	367
	1922	31	.....	.....	.....	600	631
Dunblane.....	1921	.....	.....	.....	.....	789	789
	1922	.....	.....	.....	.....	636	636
Earl Grey.....	1921	32	.....	.....	.....	1,120	1,152
	1922	34	.....	.....	.....	1,355	1,369
East End.....	1921	.....	.....	.....	.....	2,658	2,658
	1922	73	.....	.....	.....	2,749	2,822
Eatonia.....	1921	85	.....	.....	.....	1,128	1,213
	1922	.....	.....	.....	.....	750	750
Elbow.....	1921	.....	.....	67	.....	1,233	1,300
	1922	.....	.....	.....	.....	1,341	1,341
Elrose.....	1921	31	.....	124	.....	1,535	1,690
	1922	73	.....	18	.....	2,163	2,254
Ernfold.....	1921	.....	.....	.....	.....	1,046	1,046
	1922	.....	.....	.....	.....	654	654
Easton.....	1921	30	.....	.....	.....	842	872
	1922	.....	.....	.....	.....	1,173	1,173
Estuary.....	1921	.....	.....	.....	.....	445	445
	1922	.....	.....	.....	.....	375	375
Eyebrow.....	1921	.....	.....	.....	.....	689	689
	1922	48	.....	.....	.....	1,606	1,654
Fielding.....	1921	29	.....	.....	.....	401	438
	1922	.....	.....	.....	.....	322	322
Fillmore.....	1921	152	.....	.....	.....	1,734	1,886
	1922	42	.....	.....	.....	1,622	1,664
Fiske.....	1921	.....	.....	.....	.....	692	692
	1922	.....	.....	.....	.....	474	474
Flaxcombe.....	1921	.....	.....	.....	.....	315	315
	1922	.....	.....	.....	.....	651	651
Forgan.....	1921	.....	.....	.....	.....	778	778
	1922	.....	.....	.....	.....	496	496
Forget.....	1921	.....	.....	.....	28	885	885
	1922	.....	.....	.....	.....	1,265	1,293
Gilroy.....	1921	.....	.....	.....	.....	628	628
	1922	.....	.....	.....	.....	747	747

Table 89.—Distribution of Coal through Retail Dealers in Saskatchewan by Municipalities, 1921 and 1922—Continued

(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		
Girvan.....	1921	63	.....	.....	.....	1,625	1,688
	1922	.....	.....	.....	.....	1,889	1,869
Glen Ewan.....	1921	.....	.....	.....	.....	1,152	1,152
	1922	.....	.....	.....	.....	1,617	1,617
Gouverneur.....	1921	.....	.....	.....	.....	405	405
	1922	.....	.....	.....	.....	507	537
Govan.....	1921	270	.....	.....	.....	2,913	3,183
	1922	157	.....	.....	.....	3,386	3,543
Gravelbourg.....	1921	30	.....	.....	.....	3,328	3,358
	1922	30	.....	.....	.....	3,123	3,153
Guernsey.....	1921	.....	.....	.....	.....	1,397	1,397
	1922	31	.....	.....	.....	1,107	1,138
Gull Lake.....	1921	32	.....	.....	.....	3,052	3,084
	1922	62	.....	.....	.....	3,605	3,667
Hafford.....	1921	.....	.....	.....	.....	430	420
	1922	.....	.....	.....	.....	511	511
Hanley.....	1921	84	.....	.....	.....	1,821	1,905
	1922	93	.....	.....	.....	1,325	1,418
Harris.....	1921	31	.....	.....	.....	2,340	2,371
	1922	77	.....	.....	.....	2,797	2,871
Hatton.....	1921	62	.....	.....	.....	2,577	2,639
	1922	.....	.....	.....	.....	2,173	2,173
Hawarden.....	1921	76	.....	106	.....	1,655	1,837
	1922	33	.....	.....	.....	1,111	1,144
Hazemmore.....	1921	.....	.....	.....	.....	1,551	1,551
	1922	33	.....	.....	.....	2,396	2,429
Herbert.....	1921	128	.....	.....	.....	3,030	3,158
	1922	34	.....	.....	.....	3,415	3,449
Holdfast.....	1921	.....	.....	.....	.....	268	268
	1922	64	.....	.....	.....	1,741	1,885
Howell.....	1921	.....	.....	.....	.....	97	97
	1922	.....	.....	.....	.....	179	179
Hughton.....	1921	.....	.....	.....	.....	666	666
	1922	.....	.....	.....	.....	840	840
Humboldt.....	1921	62	.....	.....	.....	4,246	4,308
	1922	31	.....	.....	.....	3,437	3,468
Imperial.....	1921	103	.....	.....	.....	1,152	1,255
	1922	186	.....	.....	.....	3,131	3,317
Indian Head.....	1921	491	.....	.....	.....	3,519	4,010
	1922	497	.....	.....	.....	3,443	3,940
Kandahar.....	1921	.....	.....	.....	.....	355	355
	1922	.....	.....	.....	.....	496	496
Keeler.....	1921	.....	.....	.....	.....	236	236
	1922	.....	.....	.....	.....	1,054	1,054
Kelfield.....	1921	33	.....	.....	.....	862	885
	1922	.....	.....	.....	.....	1,038	1,038
Korrobert.....	1921	63	.....	33	.....	2,089	3,085
	1922	.....	.....	.....	.....	3,404	3,404
Kincaid.....	1921	235	.....	.....	.....	1,792	2,027
	1922	33	.....	.....	.....	2,343	2,376
Kindersley.....	1921	96	.....	.....	.....	3,400	3,496
	1922	.....	.....	.....	.....	4,040	4,040

Table 89.—Distribution of Coal through Retail Dealers in Saskatchewan by Municipalities, 1921 and 1922—Continued

(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		
Lafleche.....	1921					1,736	1,736
	1922					1,680	1,680
Laird.....	1921	42				317	359
	1922					534	534
Lancer.....	1921					555	555
	1922					1,289	1,289
Landis.....	1921					1,137	1,137
	1922	20				1,113	1,133
Lang.....	1921	74				1,332	1,406
	1922	181				1,810	1,991
Langham.....	1921	71				978	1,019
	1922	32				1,321	1,333
Lanigan.....	1921	30				889	919
	1922					851	851
Lawson.....	1921					961	961
	1922					857	857
Leader.....	1921	94				1,440	1,534
	1922	94				1,399	1,493
Leney.....	1921					360	369
	1922					482	482
Leslie.....	1921					437	437
	1922					340	340
Limerick.....	1921	18				1,977	1,995
	1922	10				1,061	1,071
Lloydminster.....	1921					6,283	6,283
	1922					5,700	5,700
Lockwood.....	1921	99				788	887
	1922	31				846	877
Loreburn.....	1921	32		21		1,608	1,661
	1922	31				1,318	1,319
Loverna.....	1921	32				611	643
	1922					1,088	1,088
Luseland.....	1921	104				2,373	2,477
	1922	75				2,198	2,273
Macklin.....	1921	114				1,821	1,935
	1922	65		39		1,898	2,002
Macoun.....	1921					850	850
	1922					725	725
Macrorie.....	1921	31				1,133	1,164
	1922	64				993	1,057
Madison.....	1921					616	646
	1922					809	869
Maidstone.....	1921					980	980
	1922					610	610
Major.....	1921					576	576
	1922					927	927
Maple Creek.....	1921	76				4,685	4,761
	1922					5,288	5,288
Mazenod.....	1921					1,355	1,355
	1922					678	678
Melfort.....	1921	105		41		2,771	2,917
	1922			104		3,256	3,360

Table 89.—Distribution of Coal through Retail Dealers in Saskatchewan by Municipalities, 1921 and 1922—Continued

(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		
Melville.....	1921	683				5,209	5,892
	1922	643				3,550	4,193
Meyronne.....	1921			62		1,463	1,525
	1922					2,049	2,649
Midale.....	1921	31				624	655
	1922	41				1,292	1,333
Milden.....	1921					1,393	1,393
	1922					1,293	1,293
Milestone.....	1921					1,243	1,243
	1922					1,008	1,008
Montmartre.....	1921	32				910	912
	1922	31				974	1,005
Moose Jaw.....	1921	381				36,410	36,791
	1922	408		55		30,994	31,457
Moosomin.....	1921	64		32		722	818
	1922	129		73		2,265	2,467
Morse.....	1921	129				3,232	3,361
	1922	72				3,690	3,762
Mossbank.....	1921	20				879	899
	1922	30				1,997	2,027
Netherhill.....	1921			63		694	737
	1922					996	999
Neudorf.....	1921	64				310	383
	1922	34				239	273
Neville.....	1921	39				724	763
	1922	31				1,634	1,665
Nokomis.....	1921	155				2,351	2,506
	1922	98				2,516	2,614
North Battleford.....	1921	33		30		4,810	4,873
	1922					4,444	4,444
Osage.....	1921	41				664	705
	1922	32				931	963
Palmer.....	1921					875	875
	1922					1,504	1,504
Pennant.....	1921					694	694
	1922	78				1,381	1,459
Piapot.....	1921					1,030	1,030
	1922					1,301	1,301
Pinkham.....	1921					206	206
	1922						
Ponteix.....	1921		31			1,753	1,784
	1922					1,536	1,536
Portreeve.....	1921					464	464
	1922					764	764
Prelate.....	1921	66		41		757	864
	1922	30				1,889	1,919
Prince Albert.....	1921	113		27		8,108	8,348
	1922			143		3,072	3,215
Radisson.....	1921					797	797
	1922					2,020	2,020
Radville.....	1921	30		28		2,248	2,306
	1922	33				3,223	3,256

Table 89.—Distribution of Coal through Retail Dealers in Saskatchewan by Municipalities, 1921 and 1922—Continued

(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		
Readlyn.....	1921					1,184	1,184
	1922	31				1,194	1,225
Redvers.....	1921		31			990	1,021
	1922					1,495	1,495
Regina.....	1921	3,073				55,034	58,107
	1922	1,113		106		48,661	49,880
Revenue.....	1921		33			292	325
	1922		65			531	596
Richlea.....	1921					872	872
	1922					820	820
Riverhurst.....	1921		63			1,647	1,710
	1922		144			1,665	1,809
Robart.....	1921					362	362
	1922					251	251
Rockhaven.....	1921		30			846	876
	1922					614	614
Rosetown.....	1921		117			2,641	2,758
	1922					2,937	2,937
Rouleau.....	1921	539				7,249	7,788
	1922	32				3,282	3,314
Ruddell.....	1921					460	460
	1922					584	584
Rush Lake.....	1921					117	117
	1922					845	845
Salvador.....	1921			73		1,913	1,986
	1922	31				2,041	2,072
Saskatoon.....	1921	260		424		29,092	29,776
	1922	187		24		25,298	25,509
Sceptre.....	1921					913	913
	1922					1,533	1,533
Scotsguard.....	1921	106				1,152	1,258
	1922	42				1,302	1,344
Shackleton.....	1921	33				791	824
	1922	45				677	722
Shaunavon.....	1921	341				5,014	5,355
	1922	210				5,250	5,469
Southey.....	1921	43				1,709	1,752
	1922	31				2,108	2,139
Sovereign.....	1921					274	274
	1922					387	387
Speers.....	1921					1,016	1,016
	1922					697	697
Spring Valley.....	1921					931	931
	1922	38				1,106	1,145
Spring Water.....	1921					296	286
	1922					1,005	1,005
Star City.....	1921	63				1,050	1,113
	1922					1,049	1,049
Stockholm.....	1921	30				226	256
	1922	30				376	406
Stoughton.....	1921					769	769
	1922					1,156	1,156

Table 89.—Distribution of Coal through Retail Dealers in Saskatchewan by Municipalities, 1921 and 1922—Concluded

(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		
Stranraer.....	1921	33				455	488
	1922					410	410
Strassburg.....	1921	142				1,424	1,566
	1922	128				1,801	2,619
Success.....	1921	32				534	576
	1922	157				1,263	1,420
Swanson.....	1921					132	132
	1922					382	382
Swift Current.....	1921	128				3,440	3,568
	1922	106				4,369	4,475
Tessier.....	1921					460	460
	1922					250	250
Tisdale.....	1921	141				668	809
	1922	32				602	631
Tramping Lake.....	1921					599	599
	1922					1,002	1,002
Tugaske.....	1921	31				1,132	1,163
	1922					1,331	1,331
Tuxford.....	1921	65				1,300	1,365
	1922					1,157	1,157
Unity.....	1921			115		4,131	4,216
	1922					4,165	4,165
Viceroy.....	1921					1,097	1,097
	1922					1,411	1,411
Vidora.....	1921					454	454
	1922					492	492
Viscount.....	1921	95				2,885	2,980
	1922	91				2,613	2,734
Wadella.....	1921	90				544	631
	1922	61		31		674	766
Waldeck.....	1921	32				878	910
	1922					1,424	1,424
Watrous.....	1921	231				2,953	3,184
	1922	125				2,998	3,123
Webb.....	1921	33				1,206	1,239
	1922					1,573	1,573
Weyburn.....	1921	165		243		8,920	9,328
	1922			145		8,887	9,275
Wilkie.....	1921	32				827	859
	1922					1,770	1,770
Wisetown.....	1921					1,137	1,137
	1922					659	691
Woodrow.....	1921	41				1,442	1,483
	1922					1,239	1,239
Wymark.....	1921					1,620	1,620
	1922					1,348	1,348
Zealandia.....	1921	62				1,405	1,467
	1922	30				2,530	2,560
Other Municipalities (412).....	1921	7,595		503		192,086	200,184
	1922	5,332		689		227,811	233,842
Total.....	1921	20,411		2,544		575,855	598,810
	1922	13,172		2,280		618,123	633,585

CHAPTER NINE

ALBERTA

Output and Disposition

Alberta retained in 1922 the premier position among the coal-producing provinces of Canada, a position reached in 1920 when the record output of 6,907,765 tons was produced. The production in 1922 was, however, only slightly in excess of the 1921 output and was also nearly one million tons below the 1920 peak, reaching a total of 5,990,911 tons. Anthracite, bituminous, and lignite coals are all produced within the province. The output of anthracite, amounting in all to 40,417 tons was only about one-third of the amount produced in 1920 and less than one-half of the quantity produced in 1921. About equal quantities of bituminous and lignite coals were produced and about 1,882,000 tons of these coals (principally lignite) was shipped to other Canadian provinces, mostly to Saskatchewan. 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 output of coal from Alberta mines from 1886 to 1922 is shown in Table 90. The production by principal collieries is given in Table 91 and a further analysis showing the output of coal by districts and kinds of coal has been tabulated in Table 92.

For the first time it has been possible to prepare a statement showing the tonnage lost in the coal mines of Alberta and in the compilation of Table 93, the same method was followed as for the corresponding tables showing tonnage lost in other provinces. Explanation of the method used has already been given in Chapter One. (See page 10.) For all mines in Alberta the proportion of the possible output produced was 78 per cent and, of the 22 per cent tonnage lost, 13.3 per cent was attributed to lack of orders. The standing of each coal-producing district has been tabulated for comparative purposes.

Tables 94 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 item showing the quantities of each grade of coal shipped by destinations has been made in Tables 98 to 101 inclusive.

Exports of Alberta coal, as noted in the earlier paragraphs of this chapter, are cleared mostly through British Columbia ports. The tonnage cleared through Alberta ports is shown in Table 102.

Table 90.—Output of Coal from Alberta Mines,* 1886-1922

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	3,838,286
1888.....	115,124	183,354	1908.....	1,685,661	4,127,311
1889.....	97,364	179,640	1909.....	1,994,741	4,838,109
1890.....	128,753	198,298	1910.....	2,894,469	7,065,736
1891.....	174,131	437,243	1911.....	1,511,036	3,979,264
1892.....	178,970	460,605	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.....	3,369,818	8,283,079
1896.....	209,162	581,832	1916.....	4,559,051	11,386,577
1897.....	242,183	630,498	1917.....	4,736,368	14,153,685
1898.....	313,088	787,720	1918.....	5,972,816	20,537,287
1899.....	309,600	774,000	1919.....	4,033,660	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.....	402,819	960,601	1922.....	5,990,911	24,351,913
1903.....	495,893	1,117,541	Total.....	69,849,510	221,715,814
1904.....	661,732	1,404,524			
1905.....	931,917	1,993,915			

*NOTE.—Production quantities and values prior to 1919 refer to sales and colliery consumption. For 1919, 1920, 1921 and 1922, mine output figures are given.

**Table 91.—Output by Principal Collieries in Alberta 1920, 1921 and 1922—
(Average of 500 tons or more per month).**

(Short Tons)

Colliery	1920	1921	1922
ANTHRACITE—			
Canadian Pacific Railway (Bankhead Mine).....	127,513	96,964	40,417
BITUMINOUS—			
Alexo Coal Mining Co., Ltd.....	440	8,224	25,079
Balkan Coal Co., Ltd.....		8,376	12,265
Blackstone Coal Co., Ltd.....	33,563	18,865	7,972
Ballarai & Sobotin.....			8,520
Vitlay Coal Co., Ltd.....			29,946
Stupor, Oakley & Co.....			19,717
Blue Diamond Coal Co., Ltd.....	126,312	217,772	337,856
Brazeau Collieries, Ltd.....	411,622	441,206	321,469
Brookdale Collieries, Ltd.....	15,836	1,561	
Cadomin Coal Co., Ltd.....	67,555	174,850	171,432
Camrose Coal Co., Ltd.....	275,513	206,271	169,747
Coal Valley Mining Co., Ltd.....	†		38,848
Foothills Collieries, Ltd.....	36,193	30,570	25,827
Harlech Coal Co.....	297	734	3,500
Hillcrest Collieries, Ltd.....	331,855	238,270	177,054
International Coal and Coke Co., Ltd.....	304,188	149,683	113,304
Jasper Park Collieries.....	109,400	32,726	
Luscar Collieries, Ltd.....		5,348	82,649
McGillivray Creek Coal & Coke Co.....	331,118	266,603	267,294
McLeod River Hard Coal Co., Ltd.....	9,035	11,018	17,497
Mohawk Bituminous Mines, Ltd.....	51,104	13,923	22,634
Mountain Park Coal Co., Ltd.....	173,813	174,579	101,572
Pacific Colliery (Lessee of North American Collieries, Ltd.).....	45,562	1,827	
Sterling Collieries, Ltd. (formerly Oliphant-Munson).....	244,633	171,104	367,514
Saunders Alberta Collieries, Ltd.....	19,953	8,662	21,522
Saunders Creek Collieries, Ltd.....	21,465	20,433	25,136
West Canadian Collieries, Ltd.....	756,635	611,172	445,148
Yellowhead Coal Co.....	57,134	44,116	31,565
All other bituminous mine operators.....	921	2,040	797
LIGNITE—			
Alberta Block Coal Co., Ltd.....	128,141	42,950	85,630
Alberta Coal Mining Co., Ltd.....	54,920	51,097	32,390
Anderson, William John.....	8,981	6,857	9,208
Atlas Coal Co., Ltd.....	66,354	56,764	59,095
Banner Coal Co., Ltd.....	36,161	34,732	37,740
Big Valley Collieries.....	47,500	48,655	31,215
Bish Bras & Le Gear.....	2,749	5,288	3,655
Blackfoot Indian Agency.....	1,978	1,883	2,855
Bush Mine Coal Co., Ltd.....	70,211	61,053	58,513
Carbon Coal Co.....	609	3,129	11,275
Carbon Stopp Mining Co. (formerly International Construction & Mfg. Co.).....	654	1,444	4,533
Canada West Coal Co., Ltd.....	100,578	28,046	20,390
Canadian Dinant Coal Co.....	24,633	27,135	28,218
Canadian Pacific Railway Co.....	401,410	411,449	315,014
Cardiff Collieries, Ltd., The.....	84,230	49,331	38,374
Callie Coal Co., from April 1, 1921 (formerly The Drumheller Land Co., Ltd.).....	37,522	17,226	9,413
Celtic Coal Co. (formerly Hamilton Coal Co.).....	16,235	6,148	7,815
Chinook Coal Co., Ltd.....	112,151	102,892	69,230
City of Lethbridge Coal Mine.....	10,720	10,943	11,966
Clover Bar Coal Mine Co., Ltd.....	32,714	28,241	20,053
Crown Coal Co. (Pena Mine Coal Co.).....	1,906	20,325	47,110
Daily Mine.....	1,510	10	432
Dawson Coal Co., Ltd.....	14,022	13,230	18,163
Dobell Coal Co., Ltd.....	28,509	26,189	30,208
Donaldson & Tennant (formerly Federal Coal).....	40,096	25,506	14,158
Doukkin & Stevens Co. (formerly Twin City Coal Co., Ltd.).....	27,358	6,679	
Edmonton Collieries, Ltd.....	25,502	21,619	20,361
Elgin Coal Co., Ltd.....	11,424	31,353	56,661
Ellis Coal Co., Ltd.....	20,651	16,499	23,072
Excelsior Collieries, Ltd.....	18,575	9,766	15,533
Fraser Mackay Collieries, Ltd.....	18,372	51,492	65,782
Gibson Collieries, The.....		39,478	47,769
Great West Coal Co., Ltd. (Black Diamond Mine).....	100,310	93,401	112,486
Great West Coal Co., Ltd. (The Star Mine).....	35,153	20,240	37,923
Humberstone Coal Co., Ltd.....	81,562	87,547	113,727
Hy-Grade Coal Co., Ltd.....	62,357	64,606	87,972
Ideal Coal Co., Ltd.....			12,332
Jewel Collieries, The.....	52,574	42,870	52,682
Keith and Fulton.....	6,303	6,203	6,513
Kelly, Mrs. E. (formerly Nantao Collieries, Ltd.).....	7,920	5,632	7,987
Kleenbri Collieries, Ltd.....	5,124	6,064	6,121
Lakeside Coal Co., Ltd.....	29,752	27,439	40,473
Lethbridge Coal Co., Ltd.....	15,609	27,463	25,028
McPeak, P. J.....	24,266	17,350	15,404

*Entered under Blackstone Coal Co.

† New Company in 1922.

Table 91.—Output by Principal Collieries in Alberta, 1920, 1921 and 1922—
(Average of 500 tons or more per month)—Concluded.

(Short Tons)

Collieries	1920	1921	1922
Marcus Collieries, Ltd.	21,170	26,813	50,024
Marzoli & Co. (formerly Miller, Smith & Miller)	8,655	3,179	9,912
Midland Collieries, Ltd.	93,028	47,923	52,605
Mid-West Collieries, Ltd.	1,073	20,861	54,691
Moonlight Coal Co., Ltd.	2,801	4,234	7,038
North American Collieries, Ltd.	540,491	460,908	276,908
North Star Coal Co. (formerly Tredway Coal Co.)	3,086	4,283	5,925
Newcastle Coal Co., Ltd.	59,621	84,232	71,851
Newcastle Junior Mg. Co., Ltd.	10,128	42,018	78,459
Oscar Collieries, Ltd.		3,916	9,496
Ottewell, R. P. Coal Mine	11,750	5,137	7,613
Oliphant, John	8,210	10,997	20,721
Palisade Coal Co., Ltd. (formerly Blue Gem Collieries, Ltd.)	9,863	12,222	18,552
Parker Creek Collieries, Ltd.	4,849	7,638	5,835
Peerless Carbon Coal, Ltd.		1,041	6,759
Premier Coal Co., Ltd.	37,285	10,262	16,961
Reed & Brown	32	2,425	4,974
Redcliff Brick and Coal Co., Ltd.	4,452	2,858	9,105
Regal Collieries, Ltd.	17,558	5,691	30,505
Rock Springs Coal Co.	8,692	4,042	6,831
Rosedale Coal Co., Ltd.	122,150	79,717	95,813
Rose Deer Coal Mining Co., Ltd.	101,408	54,286	70,344
Round Hill Collieries, Ltd., The	13,916	9,085	9,036
Scranton Coal Co., Ltd.	37,720	32,015	31,037
Sheerness Coal Co., Ltd.	3,892		
Sheffield Collieries, Ltd.			4,951
Spicer Coal Co., Ltd.	25,647	24,965	26,316
Stoney Creek Collieries, Ltd.	6,608	8,075	8,268
Sunshine Coal Co., Ltd.	4,693	19,302	16,210
Sturgeon Valley Coal Co., Ltd.	6,964	377	
Tofield Coal Co., Ltd.	22,703	22,250	55,627
Western Gem Mining Co., Ltd.	83,965	77,894	75,738
Western Commercial Co.	83,936	44,733	57,741
All other lignite mine operators	134,675	154,808	194,764
Total Anthracite	127,513	96,964	40,417
Total Bituminous	3,419,147	2,867,833	2,846,405
Total Lignite	3,361,105	2,944,420	3,104,089
Total output for Alberta	6,907,765	5,909,217	5,990,911

Table 92.—Output of Coal by Districts in Alberta, 1920, 1921 and 1922
(Short Tons)

District	1920	1921	1922
ANTHRACITE—			
Banff.....	127,513	96,964	40,417
BITUMINOUS—			
Brazeau.....	453,821	479,259	396,706
Cannmore.....	275,513	206,271	169,807
Crow's Nest Pass.....	1,775,481	1,282,571	1,025,771
Jasper Park.....	236,008	250,618	338,256
Mountain Park.....	241,368	384,777	355,653
Yellowhead Pass.....	436,956	294,837	560,212
Total Bituminous.....	3,419,147	2,867,833	2,846,405
LIGNITE—			
Aldersyde.....	8,242	9,150	11,084
Battle River.....	13,478	18,974	21,633
Big Valley.....	52,445	56,925	37,813
Bow Island.....	6,361	4,922	6,264
Brooks.....	13,918	14,521	16,691
Camrose.....	72,391	70,785	77,799
Carbon.....	8,571	12,887	39,443
Cardiff.....	175,620	135,561	108,025
Clover Bar.....	344,092	362,982	435,433
Drumheller.....	1,211,205	994,756	1,169,046
Edmonton.....	96,864	86,177	112,282
Hanna.....	29,530	29,167	42,945
High River.....	1,822	1,515	2,502
Lacombe.....	14,511	15,437	20,017
Lethbridge.....	852,128	779,816	566,269
Magrath.....	1,825	2,544	3,203
Medicine Hat.....	14,682	16,747	34,076
Milk River.....	6,260	6,730	8,579
Namao.....	16,948	7,860	8,345
Peace River.....	73		
Pembina.....	146,810	136,316	112,728
Pincher Creek.....	5,435	8,084	10,944
Taber.....	132,359	43,269	64,037
Three Hills.....	32,381	31,272	44,206
Tofield.....	53,227	50,389	86,872
Trochu.....	20,175	20,150	21,173
Wabamun.....	29,752	27,481	40,580
Total Lignite.....	3,361,105	2,944,420	3,104,089
Total Alberta.....	6,907,765	5,909,217	5,999,911

Table 93.—Tonnage Lost in Alberta Coal Mines in 1922, showing by Districts the Relative Percentages produced and lost, with an Analysis of the Percentage Lost.

District	%	%	Percentage Lost Through				
			Absenteeism	Lack of orders	Car shortage	Mine disability	Other causes
ANTHRACITE—							
Banff.....	95	5	0.3				4.7
BITUMINOUS—							
Brazeau.....	81	19	0.8	8.7		0.2	9.3
Canmore.....	66	34	5.0	18.0			11.0
Crow's Nest Pass.....	79	21	1.6	7.8	1.0	0.8	9.8
Jasper Park.....	94	6	3.0		1.2		1.8
Mountain Park.....	91	9	2.6	1.2	1.5	0.9	2.8
Yellowhead Pass.....	86	14		7.6	2.4	0.5	3.5
Total Bituminous.....	83	17	1.6	7.0	1.0	0.4	7.0
LIGNITE—							
Aldersyde.....	76	24		9.0			15.0
Battle River.....	65	35	0.3	10.7			24.0
Big Valley.....	47	53		38.3	0.6		14.1
Bow Island.....	59	41	0.4	22.3		0.3	18.0
Brooks.....	87	13		7.7			5.3
Camrose.....	77	23	1.6	17.4	1.4	0.2	2.4
Carbon.....	75	25	2.3	15.3	0.4	0.3	6.7
Cardiff.....	51	49		36.0	5.5	1.3	6.2
Clover Bar.....	73	27	0.5	25.5			1.0
Drumheller.....	74	26	0.4	18.1	0.3		6.9
Edmonton.....	81	19	1.0	16.0			2.0
Hanna.....	66	34	3.6	18.2		0.2	12.0
High River.....	88	14		2.0			12.0
Lac La Biche.....	70	30		16.7	0.6		12.7
Lethbridge.....	82	18	3.0	11.0			4.0
Magrath.....	69	31	0.6	13.4			17.0
Medicine Hat.....	73	27		19.0			8.0
Mill River.....	74	26	0.5	9.1			16.4
Nanaimo.....	83	17	0.5		2.7	7.7	6.1
Pembina.....	88	12	5.7	4.9	0.4	0.3	0.7
Pincher Creek.....	70	30	0.5	21.0	1.3	0.5	6.7
Taber.....	68	32	1.9	18.8	3.8	0.5	7.0
Three Hills.....	70	30	1.4	26.5	0.9		1.2
Tofield.....	82	18		15.0			3.0
Trochu.....	71	29	0.2	9.8	2.3		16.7
Wabamun.....	85	15		12.9	1.6		0.5
Total Lignite.....	74	26	1.0	18.6	0.7	0.2	5.5
Total Alberta.....	78	22	1.3	13.3	0.9	0.4	6.1

Table 94.—Total Disposition of the Coal from Alberta Mines, by Grades, 1921 and 1922

(Short Tons)

Disposition	1921					1922				
	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.....	12,169	29,110	7,560	994	49,833	11,860	29,665	8,705	1,674	51,904
Used under colliery boilers.....	113,048	2,450	36,116	184,339	335,953	104,389	1,481	22,012	147,949	275,831
Used by company's railroads.....	4,651	59	2,523		7,233	6,612	5	1,738	347	8,702
Shipped (See Table 95) in making briquettes.....	2,718,326	1,783,059	505,432	390,292	5,406,109	2,728,064	1,037,014	542,321	405,136	5,612,535
Put on bank.....	33,084	29,196	7,189	6,404	57,213	57,213			20,569	20,569
Put on waste heap.....	13,350	80	4,749	54,965	73,144	8,443	7,898	3,757	5,257	30,800
Total Disposition.	2,894,628	1,843,054	563,549	703,207	6,005,338	2,873,256	1,976,219	582,517	632,636	6,064,658
Lifted from bank.....	24,391	22,046	4,182	18,797	69,416	25,444	6,838	3,771	37,694	73,747
Lifted from waste heap.....	590	11,434	2,509	12,172	26,705					
Total Output.	2,869,647	1,810,474	556,858	672,238	5,909,217	2,847,812	1,969,411	578,746	594,942	5,990,911

Table 95.—Disposition of Anthracite Coal from Alberta Mines, by Grades, 1921 and 1922
(Short Tons)

Disposition	1921					1922				
	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.....		50	24		74		44	26		70
Used under colliery boilers, etc.....		30	20,747		20,777	8,165	16	7,339		15,520
Used by company's railroads.....										
Shipped (See Table 99).....	11,786	8,047			19,833		3,707	2,792		6,499
Used in making coke at colliery.....										
Used in making briquettes.....										
Put on bank.....	330	368	228	845						20,569
Put on waste heap.....					8,651	8,651				2,309
Total Disposition.....	12,265	29,086	66,092	107,383	8,165	3,767	10,157	22,878	44,967	
Lifted from bank.....	270	170	9,973	10,419		48	172	4,330		4,550
Total Output.....	11,935	28,910	56,119	96,964	8,165	3,719	9,985	18,548	40,417	

Table 96.—Disposition of Bituminous Coal from Alberta Mines, by Grades, 1921 and 1922
(Short Tons)

Disposition	1921					1922				
	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.....	9,007	5,548	4,077		18,622	8,410	7,072	4,510		19,992
Used under colliery boilers, etc.....	108,430	15	1,440	7,505	117,390	92,152		1,186	4,418	97,756
Used by company's railroads.....	3,302				4,302	5,724				5,724
Shipped (See Table 100).....	2,518,050	60,675	33,134	100,813	2,712,672	2,515,409	76,120	35,057	98,454	2,725,100
Used in making coke at colliery.....										
Used in making briquettes.....										
Put on bank.....	31,174	245	330	617	32,366	12,510	260	182	70	13,022
Put on waste heap.....	5,539			400	5,939	1,050	20	35	9,046	11,051
Total Disposition.....	2,676,502	66,483	38,081	109,335	2,891,301	2,636,215	83,472	40,970	111,988	2,872,615
Lifted from bank.....	23,031	210	90	137	23,468	24,761	377	537	563	26,240
Total Output.....	2,653,471	66,273	38,891	109,198	2,867,833	2,611,454	83,095	40,433	111,423	2,846,305

Table 97.—Disposition of Lignite Coal from Alberta Mines by Grades, 1921 and 1922
(Short Tons)

Disposition	1921					1922				
	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.....	3,162	23,512	3,459	994	31,127	3,450	22,549	4,169	1,674	31,842
Used under colliery boilers, etc.....	4,618	2,405	13,929	176,834	197,786	4,072	1,465	13,487	143,531	162,555
Used by company's railroads.....	349	59	2,523		2,931	888	5	1,738	347	2,978
Shipped (See Table 101).....	200,276	1,710,508	464,251	298,479	2,673,601	212,595	1,857,187	504,472	306,682	2,880,936
Used in making coke at colliery.....										
Used in making briquettes.....										
Put on bank.....	1,910	28,612	6,571	5,559	42,652	1,378	7,638	3,575	5,187	17,778
Put on waste heap.....	7,811	80	4,749	45,014	58,534	6,493	166	3,949	40,349	50,957
Total Disposition.....	218,126	1,765,266	495,482	327,780	3,006,654	228,876	1,889,810	531,390	497,770	3,147,046
Lifted from bank.....	1,360	21,560	3,916	8,087	35,529	683	6,413	3,062	32,799	42,957
Lifted from waste heap.....	590	11,434	2,509	12,172	26,705					
Total Output.....	216,176	1,732,268	489,057	506,921	2,911,420	228,193	1,882,597	528,328	461,971	3,101,089

Table 98.—Total Shipments of Coal from Alberta Mines by Grades and Destination
1921 and 1922

(Short Tons)

Destination	1921					1922				
	Run-of-mine	Lump	Nut and other grades	Slack	Total coal	Run-of-mine	Lump	Nut and other grades	Slack	Total coal
Alberta.....	252,699	613,452	237,906	247,520	1,351,577	257,842	601,853	249,617	252,048	1,362,260
Saskatchewan.....	110,133	778,263	142,760	82,889	1,111,845	105,746	881,510	152,076	87,771	1,227,703
British Columbia.....	45,097	41,974	22,300	3,960	112,431	33,815	49,982	24,727	2,603	111,127
Manitoba.....	49,126	337,342	81,022	29,119	496,609	33,619	364,284	95,113	28,507	521,523
Ontario.....	541	3,583	3,959	3,447	11,530	1,977	10,975	8,777	106	21,335
Quebec.....							31	71		102
United States.....	98,045	2,818	15,340	29,997	146,200	60,550	8,741	10,889	32,985	113,165
Other places.....	111,103	308	130	1,134	112,711					
Railroads.....	2,051,492	6,219	2,006	1,226	2,060,943	2,234,515	19,038	451	216	2,254,820
Total.....	2,718,326	1,783,659	505,432	399,292	5,406,109	2,728,061	1,937,014	542,321	465,136	5,612,535

Table 99.—Shipments of Anthracite Coal from Alberta Mines by Grades and Destination, 1921 and 1922

(Short Tons)

Destination	1921					1922				
	Run-of-mine	Lump	Nut and other grades	Slack	Total coal	Run-of-mine	Lump	Nut and other grades	Slack	Total coal
Alberta.....		3,234	3,539		6,773		880	1,236		2,116
Saskatchewan.....	1,530	1,503	3,033		5,066	454	342			796
British Columbia.....	1,771	704			2,457	535	693			1,228
Manitoba.....	384				384	10				10
Ontario.....										
United States.....	66	342			408		70			70
Railroads.....	4,493	1,959			6,452	1,828	451			2,279
Other places.....	308				308					
Total.....	11,786	8,047			19,833		3,707	2,792		6,499

Table 100.—Shipments of Bituminous Coal from Alberta Mines, by Grades and Destination, 1921 and 1922

(Short Tons)

Destination	1921					1922				
	Run-of-mine	Lump	Nut and other grades	Slack	Total coal	Run-of-mine	Lump	Nut and other grades	Slack	Total coal
Alberta.....	124,022	9,130	5,143	42,952	181,247	93,486	12,747	12,136	34,047	152,416
Saskatchewan.....	69,579	22,475	14,220	21,149	127,423	67,196	29,282	10,029	13,752	120,259
British Columbia.....	43,244	6,113	5,989	2,902	58,248	28,386	4,583	3,706	1,497	38,172
Manitoba.....	42,848	21,963	6,032	13,811	84,654	32,478	27,669	8,206	16,050	84,403
Ontario.....	508	238	212	3,417	4,375	65	690	169		924
United States.....	95,689	620	1,352	14,222	111,833	50,354	1,066	811	32,892	94,123
Railroads.....	2,030,000	136	47	1,226	2,032,408	2,234,504	83		216	2,234,803
Other places.....	111,101	130	1,134		112,134					
Total.....	2,518,050	60,675	33,134	100,813	2,712,672	2,515,469	76,120	35,057	98,454	2,725,100

Table 101.—Shipments of Lignite Coal from Alberta Mines by Grades and Destination, 1921 and 1922

(Short Tons)

Destination	1921					1922				
	Run-of-mine	Lump	Nut and other grades	Slack	Total coal	Run-of-mine	Lump	Nut and other grades	Slack	Total coal
Alberta.....	128,677	601,088	229,224	204,568	1,163,557	164,356	588,226	236,245	218,001	1,207,728
Saskatchewan.....	40,554	754,258	127,937	61,740	983,589	38,550	851,774	142,305	74,019	1,106,648
British Columbia.....	1,853	33,190	15,607	1,058	51,708	5,429	44,864	20,328	1,186	71,727
Manitoba.....	6,278	314,995	74,090	15,308	411,571	1,141	336,605	88,307	12,457	437,110
Ontario.....	33	3,345	3,747	30	7,155	1,012	10,285	8,608	106	20,911
Quebec.....								31	71	102
United States.....	2,356	2,132	13,646	15,775	33,909	1,196	7,675	10,008	93	18,972
Railroads.....	20,493	1,590			22,083	11	17,727			17,738
Other places.....	32				32					
Total.....	206,276	1,710,598	464,251	298,479	2,673,601	212,595	1,857,187	504,472	306,682	2,880,338

Table 102.—Exports of Coal through Alberta Ports, 1920, 1921 and 1922

(Short Tons)

	—	1920			1921			1922		
		—	—	—	—	—	—	—	—	—
Lethbridge.....	—							3,106	843	915
Total.....	—	—	—	—	—	—	—	3,106	843	915

Employees, Salaries and Wages

About 150 more salaried employees were carried on the coal mine staffs of Alberta in 1922 than in the preceding year, the total reaching 815, to whom salaries amounting to \$1,750,561 were paid. Data for the past two years are given in Table 103.

Table 104 shows the number of man-days' work done, surface and underground, in 1922 for each producing district. Table 105 shows the total number of days' work done by months together with the total wages paid during the year, and in Tables 106 and 107 an analysis has been made of the average number of employees about the coal mines in each of the past two years. Fewer hands were employed in 1922 than in the preceding year but the average number of days worked by each wage-earner was 237 as compared with 217 days in the previous year. Surface employees worked on the average 256 days as compared with 248 days in 1921 and underground workers were employed 229 days as against 204 days in the previous year. Wages paid in 1922 amounted to \$13,465,991 or an average of \$6.42 per man-day. For 1921 the comparative figures showed total wage payments of \$16,605,999 or an average of \$7.63 per man-day worked.

Table 103.—Salaried Employees and Salaries Paid on the Coal Mine Staffs in Alberta, 1921 and 1922

	—	1921			1922		
		Number		Total Salaries	Number		Total salaries
		Male	Female		Male	Female	
Salaried officers of corporation.....				\$			\$
General superintendents and managers.....	25	1	93,250		104	2	348,902
Technical experts and accountants.....	230		741,256		292		867,768
Clerks, stenographers and salesmen.....	152		363,656		169		233,864
Other employees.....	187	41	387,312		223	25	340,087
	23		21,809				
Total.....	623	42	1,607,313		788	27	1,750,561

Table 104.—Number of Man-Days' Work Done by Districts in Alberta Coal Mines in 1922

District	Man-days' Work Done		
	Surface	Under-ground	Total
ANTHRACITE— Banff.....	19,666	12,278	31,944
BITUMINOUS— Brazeau.....	40,545	108,476	149,021
Canmore.....	14,690	30,749	45,439
Crows Nest Pass.....	105,917	199,894	305,811
Jasper Park.....	73,108	104,224	177,332
Mountain Park.....	41,740	79,365	121,105
Yellowhead Pass.....	81,183	32,985	114,168
Total Bituminous.....	357,183	555,693	912,876
LIGNITE— Aldersyde.....	772	5,635	6,407
Battle River.....	1,681	8,481	10,162
Big Valley.....	4,677	10,460	15,137
Bow Island.....	316	2,926	3,242
Brooks.....	5,431	5,799	11,230
Canrose.....	9,077	14,421	23,498
Carbon.....	5,458	18,897	24,355
Cardiff.....	6,769	17,713	24,488
Clover Bar.....	31,328	108,427	139,755
Drumheller.....	89,446	295,346	384,792
Edmonton.....	8,956	37,623	46,579
Hanna.....	4,646	11,322	15,968
High River.....	577	1,360	1,937
Lacombe.....	1,193	8,153	9,346
Lothlbridge.....	68,347	198,105	266,452
Magrath.....	288	1,916	2,204
Medicine Hat.....	2,777	10,202	12,979
Milk River.....	1,627	4,799	6,426
Numao.....	1,376	2,781	4,157
Pembina.....	14,916	22,242	37,158
Pincher Creek.....	668	3,206	3,874
Taber.....	11,700	28,994	40,694
Three Hills.....	4,791	12,422	17,213
Tofield.....	14,883	299	15,182
Trochu.....	7,563	7,039	14,602
Wabamun.....	3,908	9,271	13,179
Total Lignite.....	303,171	847,836	1,151,007
Total for Alberta.....	680,020	1,415,807	2,095,827

Table 105.—Number of Employees, Work done by Months and Wages paid in Alberta Coal Mines, in 1922 with Comparative Totals for 1921

Month	Number of Employees			Days' Work Done			Total wages paid
	Surface	Under-ground	Total	Surface	Under-ground	Total	
1922							
January.....	3,152	8,592	11,744	66,101	149,803	215,904	
February.....	3,055	7,967	11,022	62,860	145,522	208,382	Not reported
March.....	2,848	7,023	9,871	64,496	137,252	201,348	
April.....	1,237	1,958	3,295	23,555	31,104	51,659	
May.....	1,514	2,004	3,518	29,358	31,996	61,354	
June.....	1,613	2,066	3,679	28,508	31,808	60,316	by months
July.....	1,684	2,055	3,739	32,199	32,980	65,179	
August.....	2,628	5,447	8,075	43,150	63,688	106,847	in 1922.
September.....	3,301	8,399	11,700	84,328	185,539	269,867	
October.....	3,564	9,594	13,158	88,314	217,975	306,289	
November.....	3,587	9,796	13,383	80,482	201,697	282,179	
December.....	3,497	9,107	12,604	77,060	186,443	263,503	
Total				680,020	1,415,807	2,095,827	\$13,165,991
1922				256 days per year	229 days per year	237 days per year	\$6.42 per day
Average.....	2,648	6,167	8,815				
Total				711,697	1,462,742	2,174,439	\$16,665,999
1921				248 days per year	204 days per year	217 days per year	\$7.63 per day
Average.....	2,864	7,155	10,019				

Table 106.—Average Number of Employees in the Coal Mines of Alberta, by Classes, 1921

Classification	Surface	Under-ground	Total
Administration and supervision.....	155	330	485
Clerical assistance.....	186	4	190
Miners and helpers.....	84	4,321	4,395
Haulage employees.....	128	1,240	1,368
Mechanics and skilled labour.....	722	287	1,009
Employed at briquetting plant.....	10	—	10
Other employees.....	1,599	973	2,572
Total.....	2,861	7,155	10,019

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

Classification	Surface	Under-ground	Total
SURFACE—			
Administration.....	118	44	162
Foremen and clerks.....	242	12	254
Screenmen and loaders.....	520	7	527
UNDERGROUND—			
Officials.....	11	278	289
Hand cutters and helpers.....	58	2,266	2,324
Machine cutters.....	—	348	348
Machine loaders and helpers.....	—	1,129	1,129
Horse haulage employees.....	34	646	680
Mechanical haulage employees.....	58	219	307
Ventilation employees.....	4	88	92
Roadmakers.....	3	138	141
Timbermen.....	2	320	331
Pumpmen.....	4	54	58
MISCELLANEOUS—			
Engineermen.....	174	4	178
Firemen.....	163	—	163
Machinists.....	82	2	84
Carpenters and masons.....	102	—	102
Other mechanics.....	173	28	201
All other employees.....	900	545	1,445
Total.....	2,648	6,167	8,815

Imports and Distribution

Importations of foreign coal through the customs ports of Alberta have never been of very great importance owing to the fact that the province is more than self-sustaining and is able to ship out its own coal to other Canadian provinces and for foreign trade. Small quantities of United States coal were brought in at different times and data regarding these importations have been collected in Table 108. The distribution of coal through retail dealers, as reported to the Internal Trade Branch, has been compiled for each of the past two years by municipalities in Table 109.

Table 108.—Imports into Alberta of Anthracite and Bituminous Coal by Grades and Ports of Entry, 1920, 1921 and 1922

(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. 1920	341	176	517	244	—	244	761
	1921	—	—	—	409	181	590	590
	1922	—	—	—	257	70	327	327
Edmonton.....	U.S. 1920	—	—	—	42	127	169	169
	1921	—	—	—	30	361	391	391
	1922	—	—	—	211	381	592	592
Lethbridge.....	U.S. 1920	—	—	—	31	132	163	163
	1921	—	—	—	—	73	73	73
	1922	—	—	—	35	116	151	151
Medicine Hat.....	U.S. 1920	—	—	—	31	—	31	31
	1921	66	—	66	358	417	775	841
	1922	—	—	—	35	42	77	77
Total.....	U.S. 1920	341	176	517	348	259	607	1,124
	1921	66	—	66	797	1,032	1,829	1,895
	1922	—	—	—	538	609	1,147	1,147

**Table 109.—Distribution of Coal through Retail Dealers in Alberta by Municipalities,
1921 and 1922**

(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		
Acme.....	1921					954	954
	1922					422	422
Alderson.....	1921					452	452
	1922					357	357
Alliance.....	1921					686	686
	1922					224	224
Barons.....	1921					2,498	2,498
	1922					2,103	2,103
Bashaw.....	1921					1,383	1,383
	1922					611	611
Bassano.....	1921					656	656
	1922					650	650
Beiseker.....	1921					305	305
	1922					945	945
Bindloss.....	1921					559	559
	1922					851	851
Blackfoot.....	1921					130	130
	1922					346	346
Blackie.....	1921	42				1,472	1,514
	1922					1,311	1,311
Bow Island.....	1921					155	155
	1922					161	161
Brant.....	1921					801	801
	1922					1,381	1,381
Burdett.....	1921					564	564
	1922					695	695
Cadogan.....	1921					951	951
	1922					908	908
Calgary.....	1921	3,887				70,250	74,146
	1922	1,216				60,026	61,242
Cardston.....	1921					2,630	2,630
	1922					3,577	3,577
Carmangay.....	1921					1,002	1,003
	1922					1,246	1,246
Carseland.....	1921					1,114	1,114
	1922					1,193	1,193
Carstairs.....	1921					2,146	2,146
	1922					2,090	2,090
Cayley.....	1921					976	976
	1922					948	948
Cereal.....	1921	42				1,649	1,691
	1922					1,855	1,855
Champion.....	1921					251	251
	1922					236	236
Chauvin.....	1921					1,345	1,345
	1922					992	992
Chinook.....	1921					1,130	1,130
	1922					1,240	1,240
Claresholm.....	1921					1,808	1,808
	1922					2,642	2,642
Cluny.....	1921					832	832
	1922					731	731

Table 109.—Distribution of Coal through Retail Dealers in the Province of Alberta by Municipalities, 1921 and 1922—Continued

(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		
Cochrane.....	1921					1,140	1,140
	1922					1,100	1,100
Compeer.....	1921					792	792
	1922					1,263	1,263
Consort.....	1921					1,290	1,290
	1922					2,057	2,057
Coronation.....	1921					602	602
	1922					678	678
Craigmyle.....	1921					978	978
	1922					580	580
Crossfield.....	1921					1,136	1,136
	1922					1,053	1,053
Csar.....	1921					861	861
	1922					994	994
Daysland.....	1921					395	395
	1922					30	30
Didsbury.....	1921	30				1,435	1,465
	1922					589	589
Edgerton.....	1921					539	539
	1922					577	577
Edmonton.....	1921			140		140,971	141,111
	1922			27		123,329	123,356
Empress.....	1921					1,652	1,652
	1922					1,863	1,863
Enehant.....	1921					33	33
	1922					69	69
Erskine.....	1921					189	189
	1922					37	37
Excel.....	1921					332	332
	1922					1,059	1,059
Foremost.....	1921					822	822
	1922					1,135	1,135
Fort Saskatchewan.....	1921					1,426	1,426
	1922					738	738
Galahad.....	1921					80	80
	1922						
Gleichen.....	1921					3,989	3,989
	1922					4,012	4,012
Granum.....	1921					1,160	1,160
	1922					1,214	1,214
Grassey Lake.....	1921					172	172
	1922					445	445
Hanna.....	1921					2,877	2,877
	1922					1,100	1,100
Hardisty.....	1921					1,260	1,260
	1922					1,315	1,315
High River.....	1921					808	808
	1922					821	821
Hughenden.....	1921					527	527
	1922					884	884
Innisfree.....	1921					522	522
	1922					616	616

Table 109.—Distribution of Coal through Retail Dealers in Alberta by Municipalities:
1921 and 1922—Continued
(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		
Irma	1921					1,020	1,020
	1922					886	886
Islay	1921					695	695
	1922					799	799
Jarrow	1921					234	234
	1922					118	118
Jenner	1921					583	583
	1922					888	888
Killam	1921					883	883
	1922					554	554
Kerriemuir	1921					78	78
	1922					643	643
Kitscoty	1921					1,500	1,500
	1922					1,269	1,269
Lacombe	1921					2,237	2,237
	1922					1,290	1,290
Langdon	1921					203	203
	1922					796	796
Lavoy	1921					625	625
	1922					540	540
Lougheed	1921					1,531	1,531
	1922					1,101	1,101
MacLeod	1921	32				2,546	2,578
	1922					3,666	3,666
Magrath	1921					571	571
	1922					652	652
Manville	1921					930	930
	1922					1,263	1,263
Manyberries	1921					432	432
	1922					503	503
Medicine Hat	1921					2,014	2,014
	1922						
Milk River	1921					678	678
	1922					1,015	1,015
Monarch	1921					182	182
	1922					194	194
Monitor	1921			31		2,300	2,331
	1922					2,929	2,929
Namaka	1921					570	570
	1922					601	601
Nanton	1921	44				1,541	1,585
	1922					2,020	2,020
Nobleford	1921					700	700
	1922					1,099	1,099
Oyen	1921					2,259	2,259
	1922					2,493	2,493
Parkland	1921					621	621
	1922					929	929
Pincher Creek	1921					1,494	1,194
	1922					1,100	1,100
Ponoka	1921					688	688
	1922					514	514

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

1921 and 1922—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		
Provost.....	1921					1,946	1,946
	1922					2,325	2,325
Raymond.....	1921					3,356	3,356
	1922					1,976	1,976
Red Deer.....	1921					3,231	3,231
	1922					1,906	1,906
Retlaw.....	1921					143	143
	1922					289	289
Segewick.....	1921					1,368	1,368
	1922					1,391	1,391
Sibbald.....	1921					856	856
	1922					894	894
Stavely.....	1921					1,844	1,844
	1922					2,103	2,103
Strathmore.....	1921	76				1,404	1,404
	1922	65				1,222	1,227
Strome.....	1921					548	548
	1922					430	430
Traverse.....	1921					72	72
	1922					177	177
Vegreville.....	1921					4,770	4,770
	1922					4,232	4,232
Vermillion.....	1921					1,516	1,516
	1922					2,016	2,016
Viking.....	1921					821	821
	1922					384	384
Vulcan.....	1921					728	728
	1922					1,405	1,405
Wainwright.....	1921					2,723	2,723
	1922					3,121	3,121
Walsh.....	1921					450	450
	1922					559	559
Warner.....	1921					2,161	2,161
	1922					2,285	2,285
Wetaskiwin.....	1921					1,798	1,798
	1922					1,324	1,324
Woodhouse.....	1921					646	646
	1922					629	629
Youngstown.....	1921					2,329	2,329
	1922					2,215	2,215
Other Municipalities (183).....	1921	66		81		51,493	51,610
	1922					47,354	47,354
Total.....	1921	4,219		252		372,000	376,471
	1922	1,281		27		343,472	344,780

CHAPTER TEN

BRITISH COLUMBIA AND YUKON.

Output and Disposition

The output of coal from British Columbia mines during 1922 amounted to 2,927,033 tons, a slight increase over the output for the preceding year, but less than the production of 1920. Both the Inland and Island Districts produced more coal than in either of the two preceding years, but the mines of the Crow's Nest Pass reported a considerably smaller output than in 1920 and 1921.

The statement of tonnage lost by the operating coal mines in British Columbia shown in Table 113 indicates that during 1922 a greater proportion of the possible production was mined than in 1921. "Lack of orders" was the cause given in 1921 for the loss of more than 18 per cent of the possible output. In 1922, only 9 per cent of the possible production was lost through this cause, and as a whole the mines produced 84 per cent of the possible output for the year. The method of computing the tonnage lost has been referred to in Chapter One of this report.

The records of disposition showed little change from the previous year. About 100,000 tons more coal was shipped than in 1921, and more coal was used by the companies' railroads, while on the other hand less was made into coke at the collieries than in the preceding year. The disposition of the coal from the mines during 1921 and 1922 is reviewed by grades under ten items in Table 114.

Shipments from the mines to points within the province, which in 1921 reached a total of 1,164,135 tons, amounted to only 954,681 tons in 1922. Shipments to Alberta and Saskatchewan were greater in 1922 than in the previous year, but on the other hand shipments to points in Manitoba were very considerably reduced. The statement of shipments shown in Table 115 presents a more detailed record than was possible for 1921 owing particularly to the fact that better data were obtained regarding the shipments for the use of railroads and for the bunkering of ships.

Records of exports of coal through British Columbia ports have been collected 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. Very considerable quantities of Alberta coal are included in the export items for Fernie and Cranbrook.

Table 110.—Output of Coal from British Columbia Mines, 1836-1922

(Short Tons)

Calendar Year	Output	Value	Calendar Year	Output	Value
1836 to 1873.....	480,785	\$1,923,140	1898.....	1,136,485	3,384,858
1874.....	81,547	243,183	1899.....	1,308,324	3,833,307
1875.....	110,145	292,932	1900.....	1,590,178	4,790,553
1876.....	139,192	420,555	1901.....	1,691,557	5,111,487
1877.....	154,052	419,076	1902.....	1,641,626	4,844,040
1878.....	170,846	572,544	1903.....	1,450,663	4,100,844
1879.....	241,301	697,170	1904.....	1,685,608	4,980,174
1880.....	267,595	817,086	1905.....	1,736,699	5,211,030
1881.....	228,357	688,542	1906.....	1,899,076	5,748,915
1882.....	282,139	865,716	1907.....	2,219,602	7,390,306
1883.....	213,299	643,059	1908.....	2,111,931	7,292,838
1884.....	394,070	1,181,598	1909.....	2,388,196	8,144,147
1885.....	365,596	999,072	1910.....	3,152,207	10,408,580
1886.....	326,636	1,005,576	1911.....	2,304,794	7,945,413
1887.....	413,360	1,302,165	1912.....	2,857,345	10,028,116
1888.....	489,301	1,445,001	1913.....	2,587,357	8,482,562
1889.....	579,830	1,704,747	1914.....	2,182,164	6,999,374
1890.....	678,140	2,056,035	1915.....	1,962,817	6,455,041
1891.....	1,029,097	3,027,528	1916.....	2,487,012	8,075,190
1892.....	826,335	2,510,406	1917.....	2,375,745	8,235,716
1893.....	978,204	2,930,304	1918.....	2,570,624	11,494,681
1894.....	1,012,953	2,980,254	1919.....	2,649,516	13,512,532
1895.....	939,654	2,834,049	1920.....	3,095,011	18,105,814
1896.....	894,882	2,688,666	1921.....	2,890,291	15,676,774
1897.....	802,296	2,730,510	1922.....	2,927,033	14,622,317
Total.....				66,999,650	212,291,523

NOTE.—The values given for the production from 1836 to 1818 represent sales values of coal sold or used. For the last four years, values of the entire mine output were obtained.

Table 111.—Output by Principal Collieries in British Columbia for 1920, 1921 and 1922 (Average of 500 tons or over per month)

(Short Tons)

Colliery	1920	1921	1922
Canadian Collieries (Dunsmuir).....	844,225	806,734	760,635
Calmont Collieries, Ltd.....	630	70,343	159,954
Corbin Coal & Coke Co., Ltd.....	165,348	72,021	50,227
Crows' Nest Pass Coal Co., Ltd.....	779,940	774,845	569,339
Fleming Coal Co., Ltd.....	38,318	45,026	47,967
Granby Cons. Mg. S. & F. Co.....	225,229	301,237	310,149
Middleboro Collieries, Ltd.....	98,005	75,927	77,650
Nanose Wellington Coal Co.....	34,955	59,753	113,165
Pacific Coast Coal Mines, Ltd.....	106,147		
Princeton Coal & Land Co., Ltd.....	24,211	16,865	23,880
Vancouver Nanaimo Mg. Co., Ltd., The.....	8,883		
Western Fuel Corporation of Canada.....	770,170	667,540	813,471
All other operators.....	850		596
Total	3,995,011	2,890,291	2,927,033

Table 112.—Output by Districts in British Columbia for 1920, 1921 and 1922

(Short Tons)

District	1920	1921	1922
Crows' Nest Pass.....	945,288	846,866	619,566
Inland.....	162,074	208,161	310,047
Island.....	1,987,649	1,835,264	1,997,420
Total	3,095,011	2,890,291	2,927,033

Table 113.—Tonnage lost in British Columbia Coal Mines in 1921 and 1922 showing by Districts the Relative Percentages Produced and Lost, with an analysis of the Percentage Lost

District	Year	% Produced	% Lost	Per Cent Lost Through				
				Absenteeism	Lack of orders	Car shortage	Mine disability	Other causes
Crows' Nest Pass.....	1921	68	32	2.0	29.0			1.0
	1922	78	22	3.0	5.0	10.0		4.0
Inland.....	1921	74	28		18.0		7.0	1.0
	1922	87	13	0.3	11.3	0.5	0.2	0.7
Island.....	1921	82	18	4.0	12.0	1.0		1.0
	1922	85	15	4.0	10.0			1.0
British Columbia	1921	77	23	2.8	18.2	0.6	0.7	0.7
	1922	84	16	3.2	9.0	2.4		1.4

Table 114.—Disposition of Coal Output from British Columbia Mines, 1921 and 1922

(Short Tons)

Disposition	1921				1922			
	Run-of-mine	Screened	Slack	Total coal	Run-of-mine	Screened	Slack	Total coal
Supplied to employees for domestic consumption.....	231	27,603	1,198	29,032	1,040	28,420	288	29,748
Used for colliery boilers.....	49,179	624	150,173	199,976	34,160	5,257	147,478	186,895
Used by company's railroads.....	593	4,638	12,821	18,052	785	22,757	3,656	27,198
Shipped.....	693,768	1,012,866	579,592	2,296,226	533,799	1,340,844	514,500	2,389,113
Used in making coke at colliery.....		5,684	103,347	105,031		8,484	68,879	77,363
Put on bunk.....	33,090	27,336	22,500	82,926	2,757	49,497	28,253	80,507
Put on waste heap.....	4,335	136	287,895	292,366	4,822	103,312	135,163	243,297
Total Disposition	781,196	1,078,887	1,157,526	3,017,609	577,363	1,558,571	898,217	3,034,151
Lifted from bank.....	21,515	27,138	78,665	129,318	19,375	46,864	40,879	107,118
Total Output	759,681	1,051,749	1,078,861	2,890,291	557,988	1,511,707	857,338	2,927,033

Table 115.—Shipments of Coal from British Columbia Mines by Grades and Destinations, 1921 and 1922

(Short Tons)

Destination	1921				1922			
	Run-of-mine	Screened	Slack	Total coal	Run-of-mine	Screened	Slack	Total coal
British Columbia.....	129,031	655,534	379,570	1,161,135	84,623	639,068	230,990	954,681
Alberta.....	4,700	195	2,885	7,786	4,079	320	5,347	10,616
Saskatchewan.....	8,981	7,291	6,785	23,042	13,213	3,279	10,158	26,950
Manitoba.....	23,133	351	2,720	26,204	8,371	235	674	9,240
Yukon.....		8,657		8,657				
United States.....	520,453	233,082	163,395	916,930	34,074	324,627	110,140	469,841
Railroads*.....	7,464	59,938	23,500	90,902	388,539	58,780	153,080	600,339
Other places.....		47,828	737	48,565		1,086	112	1,198
Bunker*.....						313,449	3,600	317,148
Total.....	693,768	1,012,866	579,592	2,286,226	533,799	1,340,844	514,500	2,389,143

*In 1921, railroad and bunker coal were usually included under "United States" and "Other Places".

Table 116.—Exports of Canadian Coal through British Columbia Ports, 1920, 1921 and 1922

(Short Tons)

	1920	1921	1922
Abbotsford.....		423	285
Cranbrook.....	245,681	193,712	1,8,799
Fernie.....	446,592	528,174	316,469
Grand Forks.....	646	471	
Nanaimo.....	480,992	431,501	472,246
Nelson.....		•••	
New Westminster.....	40	267	1,043
Penticton.....	5,026	25,934	77,365
Prince Rupert.....	45	945	118
Rossland.....			10
Vancouver.....	1,009	172	100
Victoria.....	1,649	1,035	809
Total.....	1,191,103	1,182,496	1,047,430

Employees, Salaries and Wages

The average number of salaried employees on the coal mines staffs in British Columbia was slightly less than in 1921 and the amount paid out in salaries was approximately \$761,000, a decrease of \$35,000 from the preceding year.

The average number of men employed about the mines in 1922 was 6,142, comprising 4,311 underground and 1,831 on the surface. The underground men worked an average of 243 days each per year, while the surface men obtained 293 days' employment. Wages paid amounted to \$9,231,890 or an average of \$5.81 per man-day worked. Comparative data for 1921 showed the total amount paid in wages to the 6,694 employees was \$10,472,749 or an average of \$6.37 per man-day.

The number of salaried employees is shown by classes and by sexes together with the salaries paid in Table 117. A synopsis of the time worked by districts is shown in Table 118. The average number of men employed and the number of days' work done is shown by months in Table 119 with comparative totals for 1921. The average number of each class of employees working in the mines is presented in Table 120.

Table 117.—Salaries Employees and Salaries Paid on the Coal Mine Staffs in British Columbia, 1921 and 1922

	1921			1922		
	Number		Total salaries	Number		Total salaries
	Male	Female		Male	Female	
Salaried officers of corporation.....	9	1	\$ 65,216	25	1	\$ 157,300
General superintendents and managers.....	49	.....	217,214	51	.....	180,455
Technical experts and accountants.....	76	.....	207,219	105	.....	238,446
Clerks, stenographers and salesmen.....	139	28	306,672	91	15	184,763
Total.....	273	29	796,321	272	16	760,964

Table 118.—Time worked, showing the number of man-days worked by districts in British Columbia for 1921 and 1922

District	1921			1922		
	Surface	Under-ground	Total	Surface	Under-ground	Total
Crows' Nest Pass.....	116,455	255,661	372,116	60,004	175,066	244,970
Inland.....	24,103	54,134	78,237	42,232	96,363	138,595
Island.....	405,980	787,640	1,193,620	425,148	779,131	1,204,339
Total.....	546,538	1,097,435	1,643,973	536,381	1,051,520	1,587,904

Table 119.—Number of Employees, Work done by months and total Wages paid in the Coal Mines of British Columbia and Yukon in 1922, with comparative totals for 1921

Month	Number of Employees			Days' Work Done			\$
	Surface	Under-ground	Total	Surface	Under-ground	Total	
1922							
January.....	1,795	4,730	6,525	39,286	92,311	131,597	
February.....	1,902	4,686	6,588	36,654	102,434	139,058	
March.....	1,904	4,610	6,514	47,679	101,502	149,181	
April.....	1,478	3,518	4,996	33,163	62,339	95,502	
May.....	1,512	3,571	5,083	32,665	60,864	93,529	
June.....	1,545	3,488	5,033	43,552	81,345	124,897	
July.....	1,620	3,550	5,170	46,438	88,297	134,735	
August.....	2,009	4,570	6,579	45,714	92,235	137,919	
September.....	2,072	4,738	6,810	57,850	88,336	146,186	
October.....	2,080	4,666	6,746	47,405	97,534	144,939	
November.....	1,986	4,829	6,815	47,379	89,491	136,870	
December.....	2,073	4,782	6,855	58,624	94,857	153,481	
1922 { Total.....				536,499	1,051,545	1,587,951	\$9,231,890
1922 { Average.....	1,831	4,311	6,142	293 days per man per year	243 days per man per year	238 days per man per year	\$5.81 per day
1921 { Total.....				546,534	1,097,621	1,644,159	\$10,472,749
1921 { Average.....	1,985	4,709	6,694	275 days per man per year	233 days per man per year	246 days per man per year	\$6.37 per day

Table 120.—Average Number of Employees in British Columbia and Yukon Coal Mines, by Classes, 1921 and 1922

Classification	1921			1922		
	Surface	Under-ground	Total	Surface	Under-ground	Total
Surface—						
Administration.....	34	1	35	32	2	34
Foremen and clerks.....	155	1	156	145	1	146
Screenmen and loaders.....	193	—	193	184	—	184
Underground—						
Officials.....	184	184	184	182	182	182
Hand cutters and helpers.....	2,214	2,214	2,214	2,068	2,068	2,068
Machine cutters.....	46	46	46	78	78	78
Machine loaders and helpers.....	58	58	58	35	35	35
Horse haulage employees.....	6	441	447	5	387	392
Mechanical haulage employees.....	9	390	399	11	387	398
Ventilation employees.....	1	83	84	1	54	55
Roadmakers.....	1	125	126	1	112	113
Timbermen.....	8	211	219	5	163	168
Pumpmen.....	1	53	54	1	41	42
Miscellaneous—						
Engineers.....	101	—	101	93	—	93
Firemen.....	71	—	71	62	—	62
Machinists.....	85	1	86	93	1	94
Carpenters and masons.....	135	—	135	112	—	112
Other mechanics.....	120	10	130	105	9	114
All other white employees.....	620	392	1,012	568	377	945
Japanese.....	2	85	87	8	70	78
Chinese.....	436	412	848	399	341	740
Indians.....	7	2	9	6	3	9
Total.....	1,985	4,709	6,694	1,831	4,311	6,142

Imports and Distribution

As reported by the Department of Customs, the imports of anthracite and bituminous coal into British Columbia are shown by ports of entry for each of the past three years in Table 121. For the most part the imported coal came from the United States, but small trial shipments were also received during the year from China and Australia.

The annual consumption of coal in British Columbia is slightly less than two million tons and as the provincial output is in the neighbourhood of three million tons of bituminous coal, the province is self-sustaining and is able to ship considerable quantities either interprovincially or for export trade.

The distribution of coal through 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, 1920, 1921 and 1922

(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. 1920	—	—	—	1	—	1	1
	1921	—	—	—	49	—	49	49
	1922	—	—	—	68	2	70	70
Cranbrook.....	U.S. 1920	—	—	—	—	—	—	—
	1921	—	—	—	—	—	—	—
	1922	—	—	—	—	—	—	—
Fernie.....	U.S. 1920	—	—	—	—	—	—	—
	1921	—	—	—	—	—	—	—
	1922	—	—	—	—	—	—	—
Grand Forks.....	U.S. 1920	—	—	—	83	—	83	83
	1921	—	—	—	—	—	—	—
	1922	—	—	—	—	—	—	—
Greenwood.....	U.S. 1920	—	—	—	—	—	—	—
	1921	—	—	—	—	—	—	—
	1922	—	—	—	—	—	—	—

Table 121.—Imports into British Columbia of Anthracite and Bituminous Coal by Grades and Ports of Entry, 1920, 1921 and 1922—Concluded

(Short Tons*)

Port	Source and Year	Anthracite			Bituminous			Total all Grades
		Egg, Nut, etc.	Dust	Total	Round and run-of-mine	Slack	Total	
Nanaimo.....	U.S....1920				32		32	32
	1921				36		36	36
	1922							
Nelson.....	U.S....1920				559	191	750	750
	1921				262		262	262
	1922				408	85	493	493
New Westminster.....	U.S....1920	75		75	3,212		3,212	3,282
	1921				3,898	40	3,848	3,848
	1922				814	89	903	903
Penticton.....	U.S....1920				100	90	190	190
	1921				5		5	5
	1922							
Prince Rupert.....	U.S....1920				7	3,292	3,298	3,298
	1921		2	2				2
	1922		1	1		3,319	3,319	3,328
Revelstoke.....	U.S....1920				39	29	68	68
	1921					72	72	72
	1922				30	32	62	62
Rossland.....	U.S....1920							
	1921							
	1922							
Vancouver.....	U.S....1920				4,717	154	4,871	4,871
	1921	249		249	12,535	43	12,578	12,578
	1922	34		34	8,190	221	8,411	8,445
Other Countries, 1922	1,226			1,226	504		504	1,730
Victoria.....	U.S....1920				654		654	654
	1921				235		235	235
	1922				118	50	168	168
Total.....	U.S....1920	75		75	9,372	3,756	13,128	12,203
	1921	249	2	251	16,926	155	17,081	17,332
	1922	34	1	35	9,664	3,798	13,462	13,497
Other Countries, 1922	1,226			1,226	504		504	1,730

Table 122.—Distribution of Coal through Retail Dealers in British Columbia by Municipalities, 1921 and 1922

(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.....	1921	412				5,561	5,975
	1922	213				11,547	11,760
Mission City.....	1921	97		50		752	895
	1922					1,414	1,414
Nelson.....	1921	73		102		8,025	8,200
	1922	41		262		13,887	14,190
New Westminster.....	1921					17,131	17,131
	1922					21,683	21,683
Revelstoke.....	1921	87				996	1,081
	1922	120		30		1,076	1,225
Rossland.....	1921					1,731	1,731
	1922	42				1,647	1,689
Vancouver.....	1921	1,762				150,971	161,733
	1922	2,799		10,382		185,087	198,265
Victoria.....	1921			424		51,106	51,530
	1922					65,026	65,026
Other municipalities (36).....	1921	1,170		552		41,254	45,976
	1922	779		42		57,793	58,611
Total.....	1921	3,601		1,128		289,527	294,256
	1922	3,994		10,716		359,163	373,872

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, 1901-1922

Calendar year	Short tons	Value	Calendar year	Short tons	Value
		\$			\$
1901.....	5,864	86,230	1911.....	2,840	12,780
1902.....	4,910	37,280	1912.....	9,245	44,958
1903.....	1,849	29,584	1913.....	19,722	95,945
1904.....			1914.....	13,443	53,760
1905.....	7,000	21,000	1915.....	9,724	38,896
1906.....	7,000	28,000	1916.....	3,300	13,200
1907.....	15,000	60,000	1917.....	4,872	129,232
1908.....	3,847	21,158	1918.....	2,900	11,600
1909.....	7,364	49,502	1919.....		
1910.....	16,185	110,925	1920.....		
			1921.....	233	2,472
			1922.....	465	4,650
			Total.....	135,763	751,172

*Part of this production was mined in 1900.

†Value not reported, but estimated.

NOTE.—Production quantities and values prior to 1919 refer to sales and colliery consumption. For 1921 and 1922 mine output figures are given.

Table 124.—Disposition of Coal Output from Yukon Mines by Grades, 1921 and 1922
(Short tons)

Port	1921			1922			
	Screened	Slack	Total Coal	Run of Mine	Screened	Slack	Total Coal
Used under colliery boilers, etc. shipped (all to Yukon points).....		16 32	16 217				5 460
	185		300		81	79	
Total Disposition.....	185	48	233	300	81	84	465

Table 125.—Exports of Canadian Coal through Yukon Ports 1920, 1921 and 1922
(Short Tons)

Port	1920	1921	1922
Dawson.....		47	32
Whitehorse.....	17		
Total.....	64	32	

Table 126.—Imports into Yukon of Anthracite and Bituminous Coal by Grades and Ports of Entry, 1920, 1921 and 1922
(Short Tons)

Port	Source and Year	Anthracite			Bituminous			Total all Grades
		Egg, Nut, etc.	Dust	Total	Round and run-of-mine	Slack	Total	
YUKON— Dawson.....	U.S. 1920							
	1921							
	1922				17		17	17
White Horse.....	U.S. 1920				9		9	9
	1921				5		5	5
	1922				15		15	15
Total.....	U.S. 1920				9		9	9
	1921				5		5	5
	1922				32		32	32

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