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DEPARTMENT OF MINES  
HON. MARTIN BURRELL, MINISTER; R. G. McCONNELL, DEPUTY MINISTER.

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MINES BRANCH  
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THE  
PRODUCTION OF COAL AND COKE  
IN  
CANADA

During the Calendar Year  
1918

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## COAL.

The term "production" in the text and tables of this report is used to represent the tonnage of coal actually sold, or used, by the producer, as distinguished from the term "output," which is applied to the total coal extracted from the mine, and which includes, in some cases, coal lost or unsaleable or coal carried into stock on hand at the end of the year.

The production of coal during 1918 was 14,977,926 short tons (13,373,148 long tons), valued at \$55,192,896, or an average of \$3.68 per ton, as compared with a production in 1917 of 14,046,759 short tons (12,541,749 long tons), valued at \$43,199,831, or an average of \$3.08 per ton, an increase in production in 1918 of 931,167 tons, or 6½ per cent.

The average number of men employed during 1918 was 25,419, and total wages paid \$32,899,501, as compared with an average of 24,596 men employed in 1917, and \$25,963,520 paid in wages.

The value of the production in 1917 and 1918, have for all provinces been furnished directly by the operators. In 1916 and previous year, however, complete returns of values were not received from all operators, and the values placed upon the coal production in the Provinces of Nova Scotia and British Columbia were partially estimated, or assumed.

The peculiar situation which exists in respect to Canada's fuel supply, viz.: 'that notwithstanding the enormous resources which Canada possesses in coal, over 50 per cent of our consumption is imported from the United States', has been pointed out and explained annually in these reports. The Canadian coal-fields are situated in the extreme east and in the western provinces, while the great central Provinces of Ontario and Quebec, the chief centres of population, are more easily and economically supplied with coal from the nearer coal-fields of Pennsylvania and Ohio. Further, there is no anthracite coal in eastern Canada, and we have grown dependent upon the anthracite output of Pennsylvania for that most desirable of the domestic fuels, which is not only the chief domestic, or house fuel in Manitoba, Ontario, and Quebec, but is imported even into our eastern coal districts.

Such a condition of international trade attracts little attention during normal times, and it is only under conditions such as those that have been brought about by the great war that the importance of the situation and its possibilities are realized. In round numbers Canada produced during 1918 about 15 million tons of coal, of which 1.8 million tons were exported, and imported 16.8 million tons of bituminous coal and 4.8 million tons of anthracite. During the previous year, 1917, we produced in round numbers 14 million tons, exported 1.7 million tons, and imported 15.5 million tons of bituminous coal, and 5.3 million tons of anthracite, thus, both production and imports were considerably increased.

The total consumption of coal in 1918 was 34,771,832 tons, as compared with 33,123,735 tons in 1917, and 29,865,856 tons in 1916.

## Production of Coal by Provinces, 1918.

Province.	Average No. of Men Employed.	Wages Paid.	Production of Coal.			Per cent of Total Quan- tity.
			Short Tons.	Value.	Average Per Ton	
		\$.		\$	\$	
Nova Scotia .....	10,361	13,060,822	5,818,562	21,095,470	3·63	38·85
New Brunswick .....	576	631,823	268,212	1,331,710	4·97	1·79
Saskatchewan .....	460	423,392	346,847	722,148	2·08	2·31
Alberta .....	9,032	11,382,406	5,972,816	20,537,287	3·41	39·88
British Columbia .....	4,982	7,384,358	2,568,589	11,494,681	4·47	17·15
Yukon Territory .....	8	8,700	2,900	11,600	4·00	0·02
Total .....	25,419	32,899,501	14,977,926	55,192,896	3·68	100·00

## Production of Coal by Provinces, 1917.

Province.	Average No. of Men Employed.	Wages Paid.	Production of Coal.			Per cent of Total Quan- tity.
			Short Tons.	Value.	Average Per Ton	
		\$		\$	\$	
Nova Scotia .....	10,283	10,406,170	6,327,091	19,410,737	3·068	45·04
New Brunswick .....	390	375,379	189,095	708,010	3·744	1·36
Saskatchewan .....	434	318,080	355,445	662,451	1·86	2·53
Alberta .....	8,350	8,906,315	4,736,368	14,153,685	2·99	33·72
British Columbia .....	5,126	5,945,176	2,433,848	8,235,716	3·333	17·33
Yukon Territory .....	13	11,500	4,872	20,232	6·00	0·03
Total .....	24,506	25,963,520	14,046,759	43,199,831	3·08	100·00

(c) Estimated.

## Comparison of Production, 1916 with 1917, and 1917 with 1918.

Province.	(i) Increase, or (d) Decrease.			
	Years 1916 and 1917.		Years 1917 and 1918.	
	Short Tons.	%	Short Tons.	%
Nova Scotia .....	(d) 585,049	8·46	(d) 508,529	8·04
New Brunswick .....	(i) 45,555	31·74	(i) 79,117	41·84
Saskatchewan .....	(i) 74,145	26·39	(d) 8,598	2·42
Alberta .....	(i) 177,314	3·89	(i) 1,236,448	26·11
British Columbia .....	(d) 150,173	5·81	(i) 134,701	5·53
Yukon Territory .....	(i) 1,572	47·64	(d) 1,972	40·48
Total for Canada .....	(d) 436,636	3·01	(i) 931,167	6·63

Decreases in production will be noted in Nova Scotia, Saskatchewan, and Yukon, whereas New Brunswick, British Columbia, and Alberta show increases, the total showing a net increase amounting to 931,167 tons.

The total production in 1918 includes 115,405 tons of anthracite, or less than 1 per cent of the total; 11,636,190 tons of bituminous, or 78 per cent of the total, and 3,226,331 tons of lignite, or over 21 per cent of the total.

The consumption of coal during the year includes approximately 4,900,565 tons of anthracite, 26,644,936 tons of bituminous, and 3,226,331 of lignite.

The total output, production, and distribution of coal mined by provinces during 1918 and 1917 is shown in the following tables:—

**Production and Distribution of Coal Mined, by Provinces, 1918.**  
(IN SHORT TONS.)

	Nova Scotia.	New Brunswick.	Saskatch- ewan.	Alberta.	Yukon.	British Columbia.	Total.
Sold in Canada.....	4,208,825	197,203	324,661	5,362,469	2,900	1,113,126	11,209,184
Sold for export to U.S.....	317,103	61,840	.....	132,765	.....	842,936	1,354,694
Sold for export to other coun- tries.....	212,882	.....	.....	.....	.....	65,427	278,309
Total sales.....	4,738,810	259,043	324,661	5,495,234	2,900	2,021,539	12,842,187
Used by producers in mak- ing coke, steel, brick, etc..	277,881	.....	2,702	108,864	.....	309,657	699,104
Used by producers for col- liery consumption and by workmen.....	801,871	9,169	19,484	368,718	.....	237,303	1,436,635
Total used.....	1,079,752	9,169	22,186	477,582	.....	547,050	2,135,739
Production*.....	5,818,562	268,212	346,847	5,972,816	2,900	2,568,589	14,977,926
Stock on hand Jan. 1. ....	49,315	3,537	10	12,016	.....	38,205	103,033
Stock on hand Dec. 31.....	16,504	1,056	29	22,349	.....	62,733	102,671
Difference.....	- 32,811	- 2,481	+ 19	+ 10,333	.....	+ 24,528	- 412
Losses due to breakage or other causes.....	50,619	854	2,122	143,294	.....	285,932	482,871
Total output.....	5,836,370	266,585	348,968	6,126,443	2,900	2,879,099	15,460,385

\*Production is obtained by adding coal sold and coal used.

**Production and Distribution of Coal Mined, by Provinces, 1917.**  
(IN SHORT TONS.)

	Nova Scotia.	New Brunswick.	Saskatch- ewan.	Alberta	Yukon.	British Columbia.	Total.
Sold in Canada.....	4,681,709	171,309	334,625	4,231,325	4,480	1,046,020	10,469,468
Sold for export to U.S.....	353,142	13,372	.....	90,239	.....	845,128	1,301,881
Sold for export to other coun- tries.....	258,264	.....	.....	.....	.....	42,796	301,060
Total sales.....	5,293,115	184,681	334,625	4,321,564	4,480	1,933,944	12,072,409
Used by producers in mak- ing coke, steel, brick, etc..	306,374	.....	3,000	102,609	.....	278,590	690,573
Used by producers for col- liery consumption and by workmen.....	727,602	4,414	17,820	312,195	392	221,854	1,283,777
Total used.....	1,033,976	4,414	20,820	414,804	392	499,944	1,974,350
Production*.....	6,327,091	189,095	355,445	4,736,368	4,872	2,433,888	14,046,759
Stock on hand Jan. 1. ....	47,904	501	.....	15,776	.....	20,160	84,341
Stock on hand Dec. 31.....	49,777	1,014	.....	10,417	.....	15,373	76,581
Difference.....	+ 1,873	+ 513	.....	- 5,359	.....	- 4,787	- 7,760
Losses due to breakage or other causes.....	16,371	60	5,178	142,628	392	231,733	396,362
Total output.....	6,345,335	189,668	360,623	4,873,637	5,264	2,660,834	14,435,361

\*Production is obtained by adding coal sold and coal used.

## Distribution of Coal Mined during the Years 1913-14-15-16.

(IN SHORT TONS.)

	1913.	1914.	1915.	1916.
Sold in Canada .....	11,381,960	10,359,390	9,826,712	10,701,530
Sold for export to United States .....	1,255,401	1,181,536	1,330,718	1,451,075
" " other countries .....	263,189	239,927	297,343	284,513
Total sales .....	12,900,550	11,780,853	11,454,773	12,437,118
Used by producers for the manufacture of coke .....	914,421	591,331	701,975	804,814
" " by colliery consumption, and workmen .....	1,197,207	1,265,345	1,110,275	1,241,463
Production .....	15,012,178	13,637,529	13,267,023	14,483,395
Stock on hand, Jan. 1 .....	385,456	325,275	270,499	132,229
" Dec. 31 .....	500,477	242,152	171,205	78,702
Difference .....	+ 115,021	- 83,123	- 99,294	- 53,527
Loss due to washing, breakage, or other causes .....	405,679	434,337	312,467	385,835
Total output .....	15,532,878	13,988,743	13,480,196	14,815,703

A record of the monthly production of coal by provinces is given in the following tables.

In Nova Scotia, New Brunswick, British Columbia, and the Yukon this production is all bituminous coal; that of Saskatchewan is all lignite, while the production in Alberta includes the three classes, semi-anthracite, bituminous, and lignite. A record of the monthly production of these three classes of coal in Alberta will be found in the section of this report dealing with that Province.

A record of the monthly production of coal during a part of the year 1919 is also given hereunder.

## Monthly Production of Coal by Provinces, 1918.

(IN SHORT TONS.)

Months.	Nova Scotia.	New Brunswick.	Saskatchewan.	Alberta.			British Columbia.	Total.
	(b)	(b)	(c)	(a)	(b)	(c)	(b)	
January .....	506,961	24,004	37,890	11,358	210,187	358,894	242,767	1,422,061
February .....	435,926	22,155	41,182	11,722	224,421	232,595	216,657	1,184,658
March .....	441,771	25,388	18,119	12,533	244,819	169,899	227,472	1,140,001
April .....	463,065	22,953	16,331	12,773	270,943	103,115	223,359	1,112,539
May .....	473,504	23,624	21,947	10,927	260,778	147,106	227,361	1,165,247
June .....	480,857	23,783	23,480	8,732	260,689	233,891	229,288	1,260,720
July .....	489,395	18,886	29,266	9,932	269,346	271,504	227,467	1,315,796
August .....	516,218	23,611	24,433	9,006	270,137	279,231	231,200	*1,361,736
September .....	494,113	24,277	25,899	8,611	264,216	264,766	147,649	1,229,571
October .....	586,904	18,064	31,706	8,211	263,845	233,446	211,548	1,403,724
November .....	478,584	17,806	35,514	4,947	139,134	250,291	176,616	1,155,892
December .....	451,264	18,661	33,030	6,653	219,412	284,746	207,165	1,225,991
Total .....	5,818,562	268,212	346,847	115,405	2,977,927	2,879,484	2,568,589	*14,977,926

\* Includes 2,900 tons produced in the Yukon District. (a) Anthracite. (b) Bituminous. (c) Lignite.



# Production of Coal in Canada by Provinces, 1919.

(IN SHORT TONS.)

Month.	Nova Scotia.	New Brunswick	Saskatchewan.	Alberta.	British Columbia.	Canada.
January.....	503, 152	21, 674	27, 877	491, 247	240, 199	1, 284, 149
February.....	407, 122	15, 999	23, 900	419, 335	182, 454	1, 048, 810
March.....	421, 696	13, 800	25, 975	497, 673	209, 524	1, 168, 668
April.....	457, 237	12, 350	15, 829	318, 554	183, 635	987, 614
May.....	453, 338	11, 796	18, 409	264, 260	181, 003	928, 806
June.....	434, 029	12, 641	19, 024	40, 596	124, 098	630, 388
July.....	462, 471	13, 179	17, 979	55, 732	151, 024	284, 405
August.....	478, 561	14, 936	22, 114	147, 670	164, 501	827, 782
September.....	486, 374	12, 877	30, 313	471, 460	210, 120	1, 211, 144

Statistics of the annual production of coal from 1881 to date are given in the following table:—

The total production of coal in Canada from 1785 to 1918 has been 283,477,260 tons; of this amount Nova Scotia is credited with 171,818,672 tons, or 60.61 per cent of the total; British Columbia 60,464,808 tons, or 21.33 per cent; Alberta 46,107,957 tons, or 16.27 per cent; Saskatchewan 3,526,418 tons, or 1.24 per cent; New Brunswick 1,424,340 tons, or 0.5 per cent, and the Yukon Territory 135,065 tons, or 0.05 per cent.

## Annual Production of Coal.

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.....	6,486,325	\$ 12,699,243	\$ 1.96
1881.....	1,537,106	2,688,621	1.75	1902.....	7,466,681	15,210,877	2.04
1882.....	1,848,148	3,218,446	1.76	1903.....	7,960,364	15,942,833	2.00
1883.....	1,818,684	3,109,635	1.71	1904.....	8,254,595	16,592,231	2.01
1884.....	1,984,959	3,693,831	1.81	1905.....	8,667,948	17,520,263	2.02
1885.....	1,920,977	3,417,807	1.78	1906.....	9,762,601	19,732,019	2.02
1886.....	2,116,653	3,739,840	1.77	1907.....	10,511,426	24,381,842	2.32
1887.....	2,429,330	4,398,206	1.81	1908.....	10,886,311	25,194,573	2.31
1888.....	2,602,552	4,674,140	1.80	1909.....	10,501,475	24,781,236	2.36
1889.....	2,658,303	4,894,287	1.84	1910.....	12,909,152	30,909,779	2.39
1890.....	3,084,682	5,676,247	1.84	1911.....	11,323,388	26,467,646	2.34
1891.....	3,577,749	7,019,425	1.96	1912.....	14,512,829	36,019,044	2.48
1892.....	3,287,745	6,363,757	1.94	1913.....	15,012,178	37,334,940	2.49
1893.....	3,783,499	7,359,080	1.95	1914.....	13,647,529	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	7,303,597	1.93	1918.....	14,977,926	55,192,896	3.68
1898.....	4,173,108	8,224,288	1.97				
1899.....	4,925,051	10,283,497	2.09	Grand total..	283,477,260	654,892,200	2.31
1900.....	5,777,319	13,742,178	2.38				

## Exports of Canadian Coal.

Statistics of the exports of coal according to the Trade records are given in the following tables. The exports of Canadian coal in 1918 were 1,817,195 tons valued at \$9,405,423, or an average of \$5.18 per ton, as compared with exports in 1917 of 1,733,156 tons, valued at \$7,387,192 or an average of \$4.26 per ton. Besides Canadian coal exported there is also a small export of coal not the produce of Canada.

## Annual Exports of Coal.

(IN SHORT TONS.)

Calendar year.	Produce of Canada.	Not the produce of Canada.	Calendar year.	Produce of Canada.	Not the produce of Canada.
1908.....	1,729,833	102,071	1914.....	1,423,126	83,137
1909.....	1,588,099	161,098	1915.....	1,766,543	59,690
1910.....	2,377,049	159,859	1916.....	2,135,359	62,783
1911.....	1,500,639	133,943	1917.....	1,733,156	47,328
1912.....	2,127,133	46,706	1918.....	1,817,195	67,486
1913.....	1,562,020	66,566			

## Imports of Coal.

The total imports of coal of all classes in 1918 "entered for consumption" as per the published Trade reports were 21,678,587 tons valued at \$71,650,584, as compared with the total imports in 1917 of 20,857,460 tons valued at \$70,562,357.

Imports of coal into Canada are subdivided into three classes as follows: Anthracite, including anthracite dust; bituminous, round and run-of-mine; and bituminous slack such as will pass through a  $\frac{3}{4}$ -inch screen.

The imports of anthracite in 1918 were 4,785,160 tons valued at \$26,007,888 or an average of \$5.44 per ton, a decrease of 535,038 tons, or 10.0 per cent from 1917 imports which were 5,320,198 tons valued at \$28,109,586 or an average of \$5.28 per ton. The imports of bituminous coal of all classes were 16,893,427 tons valued at \$45,642,696 as against imports of 15,537,262 tons valued at \$42,452,771 in 1917. The increase in bituminous imports of 1918 over those of 1917 was thus 1,356,165 tons, or 8.7 per cent.

The bituminous imports in 1918 included: bituminous round, and run-of-mine, 13,656,360 tons valued at \$37,291,057 or an average of \$2.73 per ton, and bituminous slack, 3,237,067 tons, valued at \$8,351,639, or an average of \$2.58 per ton. The value of the imports during 1917 of bituminous round and run-of-mine coal averaged \$2.72 per ton, and of bituminous slack \$2.79 per ton.

The record of the exports of bituminous coal to Canada, as published in the Reports of Trade and Navigation at Washington, differs in some years considerably from the Canadian record, in partial explanation of which it should be noted that the Canadian record represents coal "entered for home consumption." This entry may be deferred several months from the actual time of import, thus causing a difference in the monthly and yearly record.

Furthermore it is understood that the United States record includes a certain amount of coal used for bunkering lake steamers which would not be included as an import into Canada. The United States record shows exports of bituminous coal to Canada during the twelve months ending December, 1918, of 18,134,328 short tons, as against 18,118,879 tons in 1917; 13,260,181 tons in 1916; 9,356,889 tons in 1915; 10,271,409 tons in 1914, and 15,115,793 tons in 1913.

## Annual Imports of Coal, "Entered for Consumption."

Calendar year.	Bituminous round and run of the mine (a).		Anthracite coal and anthracite dust (b).		Bituminous slack such as will pass through $\frac{3}{4}$ screen (c).	
	Short tons.	Value.	Short tons.	Value.	Short tons.	Value.
		\$		\$		\$
1907.....	6,370,152	13,232,445	3,141,873	14,506,129	1,139,256	1,121,949
1908.....	6,025,574	12,516,748	3,160,110	14,478,536	1,111,811	1,355,677
1909.....	5,625,053	11,455,818	3,017,844	13,906,152	1,230,017	1,469,889
1910.....	5,966,466	11,919,341	3,266,235	14,735,062	1,365,281	1,795,698
1911.....	8,905,815	18,407,603	4,020,577	18,794,192	1,632,500	2,090,796
1912.....	8,491,840	16,846,727	4,184,017	20,080,388	1,919,953	2,550,922
1913.....	10,743,473	21,756,658	4,642,057	22,034,839	2,816,423	4,157,622
1914.....	7,776,415	14,954,321	4,435,010	21,241,924	2,509,682	3,605,258
1915.....	6,106,794	7,564,359	4,072,192	18,753,980	2,286,916	2,027,256
1916.....	9,604,552	12,368,679	4,570,815	22,216,363	3,505,236	3,704,624
1917.....	12,407,486	33,712,894	5,320,198	28,109,586	3,129,776	8,739,877
1918.....	13,656,360	37,291,057	4,785,160	26,007,888	3,237,067	8,351,639

(a) Duty, 53 cents per ton.  
14 cents per ton.

(b) Coal, anthracite and anthracite coal dust; duty free.

(c) Duty,

In view of the attention being given at the present time to imports of coal to Canada, additional tables have been introduced as follows: Showing the monthly imports of bituminous and anthracite coal since 1914, such figures as are available for the first few months of 1919 being added to the record.

The United States record of monthly exports to Canada are also included for comparison.

Monthly Imports of Bituminous Coal into Canada,\* "Entered for Consumption."  
(IN SHORT TONS.)

	1914.	1915.	1916.	1917.	1918.	1919.
January.....	917,558	547,772	1,124,918	1,031,719	1,134,493	1,458,240
February.....	851,591	653,016	942,811	760,545	1,460,391	1,064,710
March.....	1,140,943	547,756	918,206	1,114,958	1,175,076	922,608
April.....	713,764	417,133	727,467	1,331,449	986,052	562,853
May.....	611,918	481,908	894,505	893,055	1,541,537	960,491
June.....	634,383	661,569	1,239,882	1,260,652	1,442,412	733,550
July.....	639,417	752,229	1,096,718	1,581,361	1,670,806	1,283,902
August.....	850,340	846,162	1,188,822	1,890,923	1,670,397	1,291,041
September.....	1,082,544	680,151	1,287,554	1,667,773	1,604,802	
October.....	1,166,197	900,450	1,314,286	1,582,797	1,545,320	
November.....	947,509	967,791	1,156,239	1,273,498	1,439,535	
December.....	729,883	937,773	1,118,380	1,243,532	1,222,606	
Total.....	10,286,047	8,393,710	13,009,788	15,637,262	16,893,427	

\* Compiled from the Monthly Reports on Trade of Canada, Ottawa.

Monthly Imports of Anthracite Coal into Canada,\* "Entered for Consumption."  
(IN SHORT TONS.)

—	1914.	1915.	1916.	1917.	1918.	1919.
January.....	223,102	270,396	295,578	300,836	279,688	399,676
February.....	237,109	213,797	340,347	277,179	246,960	347,866
March.....	257,498	175,813	381,032	436,567	424,030	170,754
April.....	344,202	361,195	194,402	318,782	362,291	209,958
May.....	452,094	477,522	372,264	347,390	465,561	461,701
June.....	526,515	415,344	513,528	551,105	401,450	431,874
July.....	392,753	341,380	513,858	559,994	382,207	534,488
August.....	473,980	346,689	429,699	665,071	461,651	592,550
September.....	535,538	338,272	433,203	533,203	479,284	
October.....	431,797	415,929	385,953	570,771	511,214	
November.....	306,566	370,344	383,103	413,200	364,605	
December.....	253,856	345,471	327,848	346,100	406,219	
Total.....	4,435,010	4,072,192	4,570,815	5,320,198	4,785,160	

\* Compiled from the Monthly Reports on Trade of Canada, Ottawa.

Monthly Exports of Bituminous Coal from the United States to Canada.\*  
(IN SHORT TONS.)

—	1914.	1915.	1916.	1917.	1918.	1919.
January.....	631,510	396,715	600,616	654,350	510,022	861,022
February.....	493,597	438,905	605,684	646,008	647,855	500,000
March.....	694,810	306,203	611,640	884,498	951,196	395,229
April.....	443,102	426,976	740,865	1,022,171	1,273,972	562,173
May.....	790,229	660,253	1,467,229	1,569,297	1,978,799	1,218,689
June.....	889,119	978,028	1,476,453	2,017,989	2,019,816	1,602,430
July.....	1,126,562	1,138,383	1,457,326	1,555,972	2,098,600	1,498,681
August.....	1,694,608	1,060,717	1,708,697	2,715,628	2,194,099	1,498,108
September.....	1,317,282	1,058,176	1,519,550	1,739,580	2,038,673	
October.....	1,097,164	1,224,880	1,196,122	2,416,500	1,859,456	
November.....	583,136	1,062,855	1,023,924	1,504,946	1,550,245	
December.....	480,230	704,804	852,076	1,391,640	1,011,595	
Total.....	10,271,409	9,356,880	13,260,181	18,118,870†	18,134,328	

\* Compiled from the Monthly Summary of Foreign Commerce of the United States, Washington, D.C.

† Total taken from December Report.

## Monthly Exports of Anthracite Coal from the United States to Canada.\*

(IN SHORT TONS.)

—	1914	1915.	1916.	1917.	1918 (a).	1919.
January .....	215,004	211,435	288,521	327,838	266,285	412,999
February .....	227,606	198,202	324,354	285,135	254,597	247,540
March .....	181,610	140,128	337,814	408,337	445,041	131,942
April .....	439,961	498,532	237,291	656,731	381,677	319,413
May .....	525,774	461,976	495,009	480,633	476,123	446,757
June .....	479,045	394,502	567,764	677,350	424,203	531,233
July .....	367,556	299,837	432,375	437,493	443,001	546,171
August .....	506,843	328,516	430,379	760,253	461,220	565,845
September .....	435,918	310,400	391,873	501,899	495,840	
October .....	374,540	380,417	374,565	535,715	510,752	
November .....	261,919	312,583	349,053	329,259	482,013	
December .....	204,231	316,231	326,776	606,663	327,056	
Total .....	4,219,907	3,852,810	4,556,374	6,007,306†	4,967,808†	

\* Compiled from the Monthly Summary of Foreign Commerce of the United States, Washington, D.C.

† Total taken from December Report.

(a) Total exports. Exports to Canada not separately stated, but will exceed 95 per cent of total exports.

## Consumption of Coal.

The total consumption of coal in Canada estimated on the basis of production, imports and exports was in 1918, 34,771,832 tons, which included 13,160,731 tons of Canadian coal and 21,611,101 tons of imported coal.

Statistics of the annual consumption are given in the following tables:—

## Consumption of Coal, 1914-15-16-17-18.

(IN SHORT TONS.)

—	1914.	1915.	1916.	1917.	1918.
Production .....	13,637,529	13,267,023	14,433,395	14,046,709	14,977,926
Exports of Canada .....	1,423,126	1,766,543	2,185,359	1,733,156	1,817,195
Home consumption of Canadian coal ..	12,214,403	11,500,480	12,348,036	12,313,603	13,160,731
Imports .....	14,721,057	12,465,902	17,580,603	20,857,460	21,678,547
Exports not produce of Canada .....	83,137	59,690	62,783	47,328	67,486
Canadian consumption of imported coal	14,637,920	12,406,212	17,517,820	20,810,132	21,611,101
Total consumption of coal in Canada ..	26,852,323	23,906,692	29,865,856	33,123,735	34,771,832

## Annual Consumption of Coal.

(IN SHORT TONS.)

Calendar Year.	Canadian		Imported.		Total	Per capita.
	Short tons.	%	Short tons.	%		
1886	1,595,950	45.9	1,884,161	54.1	3,480,111	0.758
1887	1,848,365	45.7	2,192,260	54.3	4,040,625	0.871
1888	2,013,925	37.8	3,314,353	62.2	5,328,278	1.137
1889	1,992,988	44.4	2,490,931	55.6	4,483,919	0.946
1890	2,360,196	47.8	2,581,187	52.2	4,941,383	1.081
1891	2,606,490	46.7	2,980,222	53.3	5,586,712	1.163
1892	2,464,012	44.4	3,082,429	55.6	5,546,441	1.133
1893	2,823,187	47.6	3,110,462	52.4	5,933,649	1.198
1894	2,743,376	48.5	2,917,818	51.5	5,661,194	1.130
1895	2,467,109	45.7	2,933,752	54.3	5,400,861	1.066
1896	2,639,055	45.1	3,206,456	54.9	5,845,511	1.140
1897	2,799,977	47.3	3,124,485	52.7	5,924,462	1.143
1898	3,023,079	48.0	3,274,981	52.0	6,298,060	1.200
1899	3,631,882	47.0	4,092,361	53.0	7,724,243	1.454
1900	3,939,542	47.8	4,361,563	52.2	8,351,105	1.561
1901	4,912,664	50.5	4,810,213	49.5	9,722,877	1.810
1902	5,376,413	51.0	5,165,938	49.0	10,542,351	1.927
1903	6,005,735	52.2	5,491,870	47.8	11,507,605	2.055
1904	6,697,183	49.2	6,909,651	50.8	13,606,834	2.346
1905	7,032,661	48.9	7,343,880	51.1	14,376,541	2.362
1906	7,927,560	51.7	7,398,906	48.3	15,326,466	2.425
1907	8,617,352	48.0	10,549,563	55.0	19,166,915	2.947
1908	9,166,478	47.3	10,195,424	52.7	19,351,902	2.820
1909	8,913,376	47.9	9,711,826	52.1	18,625,202	2.682
1910	10,532,103	50.2	10,438,123	49.8	20,970,226	2.960
1911	9,822,749	40.5	14,424,949	59.5	24,247,698	3.384
1912	12,385,696	46.0	14,549,104	54.0	26,934,800	3.596
1913	13,450,158	42.6	18,132,387	57.4	31,582,545	4.071
1914	12,214,403	45.5	14,637,920	54.5	26,852,323	3.325
1915	11,500,480	48.1	12,406,212	51.9	23,906,692	3.015
1916	12,348,036	41.3	17,617,820	58.7	29,965,856	3.669
1917	12,313,603	37.2	20,810,132	62.8	33,123,735	3.902
1918	13,160,731	37.8	21,611,101	62.2	34,771,832	4.047

In connexion with the records of consumption it may be of interest to record the very large percentage of Canadian coal consumption used by railway locomotives. During the twelve months ending June 30, 1918, the tonnage of coal used by locomotives amounted to 9,839,906.

The quantity of coal consumed by railway locomotives in recent years, as compiled from "Railway Statistics," published by the Department of Railways and Canals, is as follows:—

## Annual Consumption of Coal by Railway Locomotives.

(IN SHORT TONS.)

Year ending June 30.	Anthracite	Bituminous	Total
1911	6,444	6,769,903	6,776,347
1912	5,374	7,732,938	7,738,312
1913	4,662	9,040,963	9,045,625
1914	5,271	8,268,186	8,273,457
1915	3,691	6,673,845	6,677,536
1916	4,899	8,672,455	8,677,354
1917	4,900	9,783,524	9,788,424
1918	3,283	9,836,623	9,839,906

## Nova Scotia.

The production of coal in Nova Scotia in 1918 was 5,818,562 tons, as compared with a production in 1917 of 6,327,091 tons, showing a decrease of 508,529 tons, or 8.04 per cent.

The total sales of coal during 1918, were 4,738,810 tons, of which 4,208,825 tons were sold for consumption in Canada; 317,103 tons for export to the United States, 212,882 tons for export to Newfoundland and other countries.

The total quantity used by producers under colliery boilers, in coke ovens, and in steel plants was 1,079,752 tons including 277,881 tons used in making coke, and for other commercial purposes, and 801,871 tons used in the operation of collieries, or by workmen.

A considerable tonnage of coal reported as sold for consumption in Canada is also used in the manufacture of coke, the total coal charged to coke ovens in the Province during the year being 985,113 tons.

The Dominion Coal Company has for many years been the principal operator, the total production of this firm's collieries at Cape Breton, and at Springhill being 4,083,158 tons or over 70 per cent of the Province's production and equivalent to over 26 per cent of the total Canadian production. The Nova Scotia Steel and Coal Company produced 530,162 tons, the Acadia Coal Company 318,414 tons, the Inverness Railway and Coal Company 229,379 tons, the Maritime Coal, Railway and Power Company, 204,054 tons, and the Intercolonial Coal Mining Company 198,872 tons.

For a number of years Nova Scotia mines, chiefly those of Cape Breton, had been shipping from 2,000,000 to 2,500,000 tons of coal to Montreal, and other Quebec markets, via the St. Lawrence. During the twelve months ending September 1918, however, only 150,582 tons of Nova Scotia coal were marketed in Quebec province, as against 339,374 tons in 1917, 1,114,337 tons in 1916, and 2,048,222 tons in 1915.

**Coal Production by Companies, in Nova Scotia, 1918.**  
(IN SHORT TONS.)

	Total Sales.	Used.			Production. <sup>2</sup>	Stocks.		Losses. <sup>3</sup>	Output.
		For Coke. <sup>1</sup>	Colliery Consump- tion.	Workmen.		Jan. 1.	Dec. 31.		
<i>Inverness County—</i>									
Inverness Ry. and Coal Co.....	185,042		36,723	7,615	229,379	596	250		229,033
Port Hood Collieries, Ltd.....	4,031		454	201	4,686		29		4,715
St. Rose Mine (G. W. Evans).....	216		107	20	344				344
Chimney Corner Mine (S. J. Doucet).....	503				503			83	586
	189,792		37,284	7,836	234,912	596	279	83	234,678
<i>Cape Breton County—</i>									
Indian Cove Coal Co., Ltd.....	12,100		71	83	12,254				12,254
Dominion Coal Co., Ltd.....	3,278,578		318,306	66,136	3,663,020	26,952	11,664	16,683	3,664,366
Nova Scotia Steel and Coal Co., Ltd.....	95,585	275,336	129,167	30,078	530,162	1,620	645	33,106	562,297
Bras d'Or Coal Co., Ltd.....	54,421		1,107	335	56,367	447			55,915
	3,440,684	275,436	448,651	97,132	4,261,803	29,019	12,309	49,739	4,294,832
<i>Pictou County—</i>									
Acadia Coal Co., Ltd.....	268,562		35,030	14,821	318,414	7,828	243		310,829
Milford Mining Co.....	17,055		1,903	438	19,396			169	19,565
Greenwood Coal Co., Ltd.....	52,692		2,664	1,162	56,517	307	84		56,295
Intercolonial Coal Mining Co., Ltd.....	165,191	2,545	23,439	7,697	198,872	1,423	584		198,032
	503,500	2,545	63,036	24,118	593,199	9,558	911	169	584,721
<i>Cumberland County—</i>									
Central Coal Co.....	1,161		181	14	1,358		15	4	1,376
Maritime Coal, Ry. and Power Co., Ltd.....	170,667		28,566	4,822	204,054				204,054
Twin Seam Coal Co., Ltd.....	6,021		239	112	6,371				6,372
Dominion Coal Co., Ltd. (Springhill).....	339,568		67,450	13,120	420,138	9,896	2,948		413,190
Minudie Coal Co., Ltd.....	21,109		4,590		25,698	235		624	26,087
Strathcona Coal Mine (A. W. Pugsley).....	19,153		1,120	392	20,665				20,665
The Sterling Coal Co.....	17,495		423	305	18,223				18,222
Fundy Mining Co.....	6,743		91	262	7,096	11	42		7,128
Royal Coal Co., Ltd.....	3,815			208	4,023				4,023
Atlantic Coal Co., Ltd.....	1,613				1,613				1,613
Fenwick Coal Co., Ltd.....	17,489		1,799	120	19,409				19,409
	604,834		104,459	19,355	728,648	10,142	3,005	628	722,139
Total.....	4,738,810	277,881	653,430	148,441	5,818,562	49,315	16,504	50,619	5,836,370

<sup>1</sup> Includes also coal used by producers for steel making and other purposes. losses are not furnished by all producers.

<sup>2</sup> Production is obtained by adding sales and coal used.

<sup>3</sup> Complete records of



# Coal Production by Companies, in Nova Scotia, 1917.

(IN SHORT TONS.)

72307-2

	Total Sales.	Used.			Production. <sup>2</sup>	Stocks.		Losses. <sup>3</sup>	Output.
		For Coke. <sup>1</sup>	Colliery consumption.	Workmen.		Jan. 1.	Dec. 31.		
Inverness Ry. and Coal Co.....	183,556		37,321	6,876	227,753	1,304	596		227,045
Chimney Corner Mine (S. J. Doucet).....	83				83			20	103
St. Rose Mine (G. V. Evans).....	113		50		163		218		381
Atlantic Coal Co.....	2,522		274		2,796				2,796
Sterling Coal Co.....	9,023		146		9,169		101		9,270
Fenwick Coal Co., Ltd.....	4,007		302	55	4,364				4,364
Sydney Coal Co., Ltd.....	5,000		300		5,300				5,300
Dominion Coal Co., Ltd.....	3,595,654		320,874	57,885	3,974,413	35,667	26,951	12,525	3,978,222
Nova Scotia Steel and Coal Co., Ltd.....	232,251	303,359	87,744	20,967	644,321	168	2,324	3,470	649,947
The Bras d'Or Coal Co., Ltd.....	40,317		6,078	861	47,256	75			47,181
Milford Mining Co. (Alex. Sutherland).....	17,114		1,276		18,390				18,390
Greenwood Coal Co., Ltd.....	57,697		1,607	1,042	60,346	642	307		60,011
Acadia Coal Co., Ltd.....	392,214		35,676	13,587	441,477	2,977	7,828		446,328
International Coal Mining Co.....	165,483	3,015	25,483	6,758	200,739	899	1,423		201,263
Maritime Coal, Ry. and Power Co.....	198,045		25,396	4,912	228,353				228,253
Jones & McKinnon (Provincial Scotia mine).....	7,551		310	157	8,018				8,018
Dominion Coal Co., Ltd. (Springhill).....	353,190		52,409	12,066	397,665	6,172	9,895	356	401,744
Minudie Coal Co., Ltd.....	26,523		4,775	1,033	32,331		123		32,454
Strathcona Coal Mine (A. W. Pugsley).....	15,799		403	349	16,551				16,551
Fundy Mining Co.....	3,892		57	125	4,074		11		4,085
Royal Coal Co., Ltd.....	3,081			448	3,529				3,529
Total.....	5,293,115	306,374	600,481	127,121	6,327,091	47,904	49,777	16,371	6,345,335

<sup>1</sup> Includes also coal used by producers for steel making and other purposes. Losses are not furnished by all producers.

<sup>2</sup> Production is obtained by adding sales and coal used.

<sup>3</sup> Complete records of

## Output, Sales, Colliery Consumption, and Production of Coal in Nova Scotia.

Calendar Year.	Output.	Sold or used.	Colliery consumption.	Production *	Price per ton of 2,240 lbs.	Value of production.
	Tons of 2,000 pounds.					
					\$ cts.	\$
1785 to 1873				8,053,670	1 75	12,583,860
1874	977,446	839,022	133,932	972,954	1 75	1,520,240
1875	874,945	791,610	139,003	930,613	1 75	1,454,084
1876	794,804	710,312	127,443	837,755	1 75	1,308,991
1877	848,396	769,513	110,702	880,215	1 75	1,375,339
1878	863,075	776,732	99,262	875,994	1 75	1,368,741
1879	882,863	771,259	94,961	866,220	1 75	1,353,469
1880	1,156,635	1,069,218	108,451	1,177,669	1 75	1,849,108
1881	1,259,183	1,159,216	120,834	1,280,050	1 75	2,000,079
1882	1,529,708	1,400,200	124,747	1,524,947	1 75	2,382,730
1883	1,503,259	1,453,226	125,353	1,578,609	1 75	2,466,576
1884	1,556,011	1,413,048	130,781	1,543,829	1 75	2,412,233
1885	1,514,470	1,405,051	142,939	1,547,990	1 75	2,418,735
1886	1,682,924	1,538,506	159,512	1,694,018	1 75	2,653,152
1887	1,871,330	1,702,046	166,550	1,858,396	1 75	2,904,057
1888	1,989,263	1,765,895	176,336	1,942,231	1 75	3,034,735
1889	1,967,032	1,741,720	177,107	1,918,827	1 75	2,998,167
1890	2,222,031	2,000,444	180,589	2,181,033	1 75	3,407,864
1891	2,290,158	2,071,938	195,981	2,267,919	1 75	3,543,624
1892	2,175,913	1,963,286	196,103	3,159,389	1 75	3,374,046
1893	2,489,807	2,214,848	230,076	2,444,924	1 75	3,820,194
1894	2,520,707	2,308,231	219,751	2,527,982	1 75	3,949,970
1895	2,239,727	2,008,270	216,875	2,225,145	1 75	3,476,790
1896	2,537,706	2,202,417	216,132	2,508,579	1 75	3,919,655
1897	2,020,835	2,290,032	203,522	2,493,554	1 75	3,896,179
1898	2,584,175	2,375,661	187,519	2,563,180	1 75	4,004,970
1899	3,209,296	2,950,067	198,755	3,148,822	2 00	5,622,898
1900	3,694,646	3,358,585	264,051	3,623,536	2 50	8,088,250
1901	4,279,557	3,820,462	337,606	4,158,068	1 75	6,496,982
1902	5,292,538	4,736,614	424,702	5,161,316	2 00	9,216,636
1903	5,841,429	5,113,607	539,731	5,653,338	2 00	10,095,246
1904	5,747,323	5,097,949	498,292	5,596,241	2 00	9,993,288
1905	5,821,622	5,167,476	479,107	5,646,583	2 00	10,088,181
1906	6,546,191	5,704,307	516,198	6,220,505	2 00	11,108,044
1907	6,468,563	5,864,406	489,727	6,354,133	2 25	12,764,999
1908	6,805,489	5,851,761	645,090	6,652,539	2 25	13,364,476
1909	5,718,871	5,066,912	555,177	5,652,089	2 25	11,354,643
1910	6,515,162	5,723,681	607,461	6,431,142	2 25	12,919,705
1911	7,125,551	6,358,080	646,340	7,004,420	2 25	14,071,379
1912	7,834,724	7,052,573	731,315	7,788,888	2 50	17,374,750
1913	8,135,104	7,257,006	723,067	7,980,073	2 50	17,812,663
1914	7,448,042	6,637,110	733,814	7,370,924	2 50	16,452,955
1915	7,513,739	6,818,773	644,597	7,463,370	2 50	16,659,308
1916	6,911,095	6,236,439	675,701	6,912,140	3 00	18,514,667
1917	6,345,335	5,599,489	727,602	6,327,091	3 44	19,410,737
1918	5,830,370	5,016,691	801,871	5,818,562	4 06	21,095,470
Total				171,818,672		341,968,863

\* This production is obtained by adding sales and colliery consumption.

# Coal Trade by Counties in Nova Scotia, Calendar Years since 1906.

(IN SHORT TONS.)

Calendar Year.	Cumberland.		Pictou.		Cape Breton.		Other Counties.		Total.	
	Raised.	Sold.*	Raised.	Sold.*	Raised.	Sold.*	Raised.	Sold.*	Raised.	Sold.*
1906.....	659,734	566,308	769,496	657,310	4,804,407	4,221,293	312,554	259,396	6,546,191	5,704,307
1907.....	534,047	445,288	840,533	729,043	4,698,147	4,346,180	395,836	343,895	6,468,563	5,864,406
1908.....	662,157	530,648	949,862	678,025	4,840,653	4,267,346	452,877	375,742	6,805,489	5,851,761
1909.....	494,919	403,371	748,860	599,743	4,081,333	3,723,135	398,739	340,663	5,718,871	5,066,912
1910.....	350,363	288,706	714,846	588,678	5,035,809	4,571,347	414,153	374,950	6,515,162	5,823,681
1911.....	538,296	436,125	833,956	691,852	5,405,355	4,917,902	347,944	312,201	7,125,551	6,358,080
1912.....	716,914	595,138	765,678	641,890	6,039,296	5,530,765	312,836	284,780	7,834,724	7,052,573
1913.....	675,544	553,845	817,177	694,659	6,313,275	5,709,995	329,108	298,507	8,135,104	7,257,006
1914.....	702,496	572,765	681,356	571,063	5,767,566	5,266,733	296,624	226,549	7,448,042	6,637,110
1915.....	736,794	620,667	581,226	508,145	5,920,670	5,486,292	273,049	203,669	7,513,739	6,813,773
1916.....	685,517	578,914	612,611	528,480	5,817,756	4,874,793	296,111	254,252	6,911,995	6,236,439
1917.....	711,164	603,633	725,992	635,523	4,680,650	4,176,581	227,529	183,752	6,345,335	5,599,489
1918.....	722,139	604,834	584,721	506,045	4,294,832	3,716,020	234,678	189,792	5,836,370	5,016,691

\* Sales include coal used for making coke and steel.

# Distribution of Coal Sold by Nova Scotia Producers.

Markets.	Fiscal year ending September 30.									
	1914.		1915.		1916.		1917.		1918.	
	Short tons.	Per cent.	Short tons.	Per cent.	Short tons.	Per cent.	Short tons.	Per cent.	Short tons.	Per cent.
Nova Scotia—										
Transported by land.....	2,699,186	30.40	1,976,943	30.65	2,673,866	40.23	2,707,719	47.01	2,579,188	49.91
“          “          sea.....	368,551	5.34	392,340	6.08	491,591	7.40	518,763	9.01	310,846	9.89
Total Nova Scotia.....	2,467,737	35.74	2,369,283	36.73	3,165,457	47.63	3,226,482	56.02	3,090,034	59.80
New Brunswick.....	762,150	11.04	675,693	10.48	865,238	13.02	994,741	17.27	988,521	19.13
Prince Edward Island.....	107,275	1.55	93,171	1.45	92,876	1.40	115,548	2.01	87,431	1.69
Quebec.....	2,667,372	38.63	2,048,222	31.76	1,114,337	16.77	339,374	5.89	150,583	2.92
Newfoundland.....	252,060	3.66	233,735	3.63	281,259	4.23	264,914	4.60	245,487	4.75
United States.....	536,741	4.88	596,606	9.25	509,773	7.67	383,152	6.65	301,370	5.83
St. Pierre.....	9,673	0.14	11,729	0.18	6,485	0.10	6,768	0.11	6,043	0.12
Bunker coal.....	278,645	4.04	383,273	5.94	904,601	9.10	428,929	7.45	239,351	5.60
For time chartered boats.....	20,787	0.30	18,968	0.29	.....	.....	.....	.....	.....	.....
Loss at sea.....	.....	.....	9,427	0.15	392	.....	.....	.....	3,233	0.16
Other countries.....	1,312	0.02	8,749	0.14	5,338	0.08	335	.....	.....	.....
Total .....	6,904,352	100.00	6,448,856	100.00	6,645,756	100.00	5,760,243	100.00	5,167,103	100.00

Number and Class of Workmen employed in the Coal Mines of Nova Scotia, Year ending September 30, 1918.

	Days pit worked.	Average Daily Force.							
		Surface.	Under- ground.	Cutting coal.	Total colliery men.	Transporta- tion, com- mercial upkeep, repairs.	Total colliery days.	Total workmen.	Total horses.
Dominion Coal Co. . . . .	284.7	829	3,204	825	4,858	1,854	1,381,615	6,712	490
Nova Scotia Steel & Coal Co. . . . .	298.7	315	1,087	268	1,670	150	498,845	1,820	57
Bras d'Or Coal Co. . . . .	279	27	35	70	132	4	36,828	136	14
Sydney Coal Co. . . . .	250	5	7	8	20	1	5,008	21	2
Inverness Railway & Coal Co. . . . .	290.5	117	247	204	568	150	165,247	718	38
Acadia Coal Co. . . . .	279	258	391	258	907	156	253,175	1,063	50
Intercolonial Coal Co. . . . .	297.2	131	152	164	447	16	132,876	463	26
Greenwood Coal Co. . . . .	281.6	38	53	50	141	7	39,714	148	.....
Milford Coal Co. . . . .	285	6	6	17	29	2	8,268	31	.....
Cumberland Railway & Coal Co. . . . .	284	195	367	226	788	72	223,799	860	53
Maritime Coal, Railway & Power Co. . . . .	304	86	242	112	440	10	133,784	450	4
Minudie Coal Co. . . . .	260.3	34	24	32	90	15	23,431	105	4
Provincial Mining Co. . . . .	258	6	5	5	16	4	4,128	20	5
Atlantic Coal Co. . . . .	50	3	.....	2	5	1	250	6	.....
Eastern Coal Co. . . . .	260	5	5	5	15	2	3,900	17	.....
Strathcona Coal Co. . . . .	282.2	11	13	30	54	1	15,240	55	4
Stirling Coal Co. . . . .	262	10	13	17	40	2	10,769	42	.....
Fenwick Coal Co. . . . .	285	42	9	20	71	7	20,235	78	.....
Port Hood Collieries. . . . .	130	11	6	6	23	1	3,009	24	.....
Central Coal Co. . . . .	76	7	1	5	13	1	988	14	.....
Sherwood & Swanson (Fundy mine) . . . . .	252	6	11	8	25	1	6,300	26	.....
Chimney Corner mine. . . . .	212	1	2	2	5	1	1,060	6	.....
St. Rose mine . . . . .	162	3	2	2	7	1	1,160	8	.....
		2,146	5,882	2,336	10,364	2,459	2,969,629	12,823	747

## New Brunswick.

The production of coal in New Brunswick in 1918 was 268,212 tons, as against 189,095 tons in 1917, showing an increase of 79,117 tons or 41.8 per cent. This is the largest production of coal that has been recorded for this Province.

Through the courtesy of the operators the department is permitted to publish a record of the production from individual properties, as shown in the accompanying tables:—

## Production of Coal in New Brunswick, 1918.

(IN SHORT TONS.)

	Days in operation.	Total sales.	*Total for colliery use.	Total production.
Avon Coal Co., Ltd., Newcastle Creek.....	299	13,635	1,589	15,224
Coakley, Jer., Minto .....	10 mos.	1,720	.....	1,720
Dean Coal Co., Adamsville.....	4 mos.	477	72	549
Grand Lake Coal Co., Ltd., Minto.....	289	12,991	200	13,191
Kelley Coal Co. Ltd., Minto.....	156	1,302	105	1,407
King, G. H., Chipman.....	12 mos.	15,994	223	16,217
Minto Coal Co., Ltd., Minto.....	310	124,531	2,615	127,146
Northfield Coal Co., Ltd., Minto.....	.....	3,886	80	3,966
Ridge Coal Co., Ltd., Newcastle Bridge.....	12 mos.	1,857	655	2,512
Robinson, A. G., Salmon Harbour.....	2 mos.	162	28	190
Rothwell Coal Co., Ltd., Rothwell.....	305	29,997	2,074	32,071
Sheffield Coal Co., Ltd., Minto.....	147	6,534	694	7,228
Smith & Merrithew, Ltd., Minto.....	10 mos.	4,457	.....	4,457
Welton Harvey, Minto.....	12 mos.	39,922	.....	39,922
All others.....	.....	1,578	234	1,812
Total New Brunswick .....	.....	259,043	9,169	268,212

\*Includes consumption under boilers, etc., and coal used by workmen.

## Production of Coal in New Brunswick, 1917.

(IN SHORT TONS.)

	Days in operation	Total sales.	*Total for colliery use.	Total production.
Sheffield Coal Co., Ltd.....	5 mos.	2,455	535	2,990
Harvey Welton, Minto.....	260	17,558	.....	17,558
The Minto Coal Co., Ltd., Minto.....	311	112,367	2,150	114,517
Rothwell Coal Co., Ltd., Rothwell.....	282	11,818	655	12,473
J. Coakley, Minto.....	203	2,314	.....	2,314
Grand Lake Coal Co., Ltd., Minto.....	12 mos.	11,166	434	11,650
Northfield Coal Co., Ltd., Minto.....	Contract.	6,539	.....	6,539
G. H. King, Chipman.....	304	17,726	242	17,968
Dean Coal Co., Adamsville.....	Contract.	1,963	232	2,195
All others (3).....	.....	775	116	891
Total, New Brunswick.....	.....	184,681	4,414	189,095

\*Includes consumption under boilers; etc., and coal used by workmen.

## Annual Production of Coal in New Brunswick.

Calendar Year.	Short tons.	Value.	Average per ton.	Calendar Year.	Short tons.	Value.	Average per ton.
		\$	\$ cts.			\$	\$ cts.
1887.....	10,040	23,607	2 35	1904.....	9,112	18,224	2 00
1888.....	5,780	11,050	1 93	1905.....	29,400	58,800	2 00
1889.....	5,673	11,733	2 07	1906.....	34,076	68,152	2 00
1890.....	7,110	13,860	1 95	1907.....	34,584	77,814	2 25
1891.....	5,422	11,030	2 03	1908.....	60,000	135,000	2 25
1892.....	6,768	9,375	1 39	1909.....	49,029	98,496	2 25
1893.....	6,200	9,837	1 59	1910.....	55,455	110,910	2 00
1894.....	6,469	10,264	1 59	1911.....	55,781	111,562	2 00
1895.....	9,500	14,250	1 50	1912.....	44,780	89,560	2 00
1896.....	7,500	11,250	1 50	1913.....	70,311	166,637	2 37
1897.....	6,000	9,000	1 50	1914.....	98,049	241,075	2 46
1898.....	6,160	9,240	1 50	1915.....	127,391	309,612	2 43
1899.....	10,528	15,792	1 50	1916.....	143,540	386,016	2 69
1900.....	10,000	15,000	1 50	1917.....	189,095	708,010	3 74
1901.....	17,630	51,857	2 94	1918.....	268,212	1,331,710	4 97
1902.....	18,795	39,680	2 11				
1903.....	16,000	40,000	2 50				
				Total.....	1,424,340	4,218,393	

The coal producing areas include the Grand Lake coal-fields in Queens and Sunbury counties, and the Beersville area in Kent county. In the Grand Lake area the coal seams which vary in thickness from 20 to 32 inches are found at a depth of from 30 to 60 feet below the surface.

## Saskatchewan.

The coal deposits of Saskatchewan furnish coal of the lignite variety only, and the production in 1918 from 67 collieries was 346,847 tons valued at \$722,148, as compared with 355,445 tons valued at \$662,451 in 1917, a decrease of 8,598 tons, or 2.4 per cent.

The 1918 production included 324,661 tons of coal sold and 22,186 tons used by producers for colliery consumption, by workmen, or in brick-making.

The output of coal comes chiefly from the vicinity of Estevan located on the Souris river, near the southeastern corner of the Province. Coal deposits exist for 75 or 100 miles in a northwest-southeast direction along the Souris river, on Big Muddy creek draining Willowbunch lake (only lately reached by a branch line of railway) and on the south branch of the Saskatchewan river, about 100 miles southwest of Saskatoon.

The annual production and the production by the principal operators in 1918 and 1917 is shown in the following tables:—

## Production of Coal in Saskatchewan in 1918, by Principal Operators.

(IN SHORT TONS.)

Name of Operator.	Days in operation.	Total sales.	Total for colliery use.*	Total production.
Anderson, Niels, Estevan.....	116	1,041	.....	1,041
Bienfait Commercial Co., Ltd., Bienfait.....	282	18,421	840	19,261
Bienfait Mine (The), Bienfait.....	241	63,473	2,449	65,922
Eidsness Bros., Gladmar.....	172	1,285	.....	1,285
Estevan Coal and Brick Co., Ltd., Estevan.....	281	7,040	3,914	10,954
Heuvel, Henry V., Hart.....	12 mos.	1,521	.....	1,521
Inter-Provincial Coal Co., Ltd., Roche Percée.....	297	4,407	80	4,487
Lilja & Dempsey, Shaunavon.....	257	2,261	.....	2,261
McNeil & Rooks, Estevan.....	.....	1,174	75	1,249
Manitoba & Saskatchewan Coal Co., Ltd., Estevan..	227	69,628	5,741	75,369
Nicholson, H., Estevan.....	213	2,282	.....	2,282
Parkinson, Geo., Estevan.....	12 mos.	3,660	.....	3,660
Saskatchewan Colliery Co., Ltd., Roche Percée.....	6 mos.	2,500	100	2,600
Saskatchewan Coal, Brick & Power Co., Ltd., Shand..	266	30,409	2,200	32,609
Western Dominion Collieries, Ltd., Taylorton.....	235	38,448	6,386	104,834
Wilson, Alex., Taylorton.....	3 mos.	1,364	25	1,389
All other operators (51).....	.....	15,747	376	16,123
Total Saskatchewan.....	.....	324,661	22,186	346,847

\* Includes consumption under boilers, etc., and coal used by workmen.

## Production of Coal in Saskatchewan in 1917, by Principal Operators, over 1,000 tons each.

(IN SHORT TONS.)

Name of Company.	Days in operation.	Total sales.	Total for colliery use.*	Total production.
Auld, Jno. A., Roche Percée.....	81	1,242	.....	1,242
Bienfait Mine, Bienfait.....	254	75,744	1,649	77,393
Blood, Adelbert, Fir Mountain.....	162	1,076	.....	1,076
Chillet, David, Willowbunch.....	151	1,325	.....	1,325
Campkin, Robt., Readlyn.....	210	1,029	.....	1,020
Eidsness Bros., Gladmar.....	274	2,078	.....	2,078
Estevan Coal & Brick Co., Ltd., Estevan.....	12 mos.	6,700	3,000	9,700
Heuvel, Hy. V., Hart.....	9 mos.	1,389	.....	1,389
Manitoba & Sask. Coal Co., Ltd., Bienfait.....	238	71,457	4,802	76,259
McNeil & Rooks, Estevan.....	253	2,223	.....	2,223
Nicholson, H., Estevan.....	126	1,092	22	1,114
Parkinson, Geo., Estevan.....	.....	5,413	.....	5,413
Sask. Coal, Brick & Power Co., Ltd., Shand.....	262	40,009	3,850	43,859
Western Dominion Collieries, Ltd., Taylorton.....	252	105,954	7,260	113,214
Wilson, Alex., Taylorton.....	138	3,717	.....	3,717
All other operators (42).....	.....	13,581	237	13,818
Total Saskatchewan.....	.....	324,625	20,820	355,445

\* Includes consumption under boilers, etc., and coal used by workmen.



## Annual Production of Coal in Saskatchewan.

Calendar Year.	Short tons.	Value.	Average per ton.	Calendar Year.	Short tons.	Value.	Average per ton.
		\$	\$ cts.			\$	\$ cts.
1887.....	(a) 400	800	2 00	1906.....	108,398	164,146	1 51
1890.....	200	200	1 00	1907.....	151,232	252,437	1 67
1891.....				1908.....	150,556	253,790	1 69
1892.....	5,400	9,325	1 73	1909.....	192,125	296,339	1 54
1893.....	8,325	12,485	1 50	1910.....	181,156	293,923	1 62
1894.....	(b) 15,051	15,153	1 01	1911.....	206,779	347,248	1 63
1895.....	15,769	31,538	2 00	1912.....	225,342	368,135	1 63
1896.....	16,706	25,059	1 50	1913.....	212,897	358,192	1 68
1897.....	25,000	37,500	1 50	1914.....	232,299	374,245	1 61
1898.....	25,000	37,500	1 50	1915.....	240,197	365,246	1 52
1899.....	25,000	37,500	1 50	1916.....	281,800	441,836	1 57
1900.....	40,500	60,750	1 50	1917.....	355,445	662,451	1 86
1901.....	45,000	72,000	1 60	1918.....	346,847	722,148	2 08
1902.....	70,400	112,640	1 52				
1903.....	116,703	169,618	1 45	Total.....	3,526,418	5,861,559	.....
1904.....	124,885	187,021	1 50				
1905.....	107,596	152,334	1 42				

(a) From Turtle Mountain district, Manitoba.

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

## Alberta.

Lignite, bituminous, and anthracite coals are all produced in Alberta.

In 1918 bituminous coal contributed 49.9 per cent of the total production, lignite 48.2 per cent, and anthracite 1.9 per cent.

The total production of coal in Alberta in 1918 was the highest recorded for the Province, and amounted to 5,972,816 tons valued at \$20,537,287, or an average of \$3.44 per ton, compared with a production in 1917 of 4,736,368 tons valued at \$14,153,685, or an average of \$2.99 per ton.

There are many small operators in the Province, the number of names on the list being over 300. In 1918 there were 61 companies reporting a production in excess of 10,000 tons, and the aggregate production by these firms was 96.7 per cent of the total for the Province. Fifteen of these companies reported a production exceeding 100,000 tons each, the largest operators being the West Canadian Collieries, Limited, with 767,990 tons from Bellevue and Greenhill collieries; the Canadian Pacific Railway, with a total of 476,748 tons from Bankhead, Lethbridge, and Taber; the North American Collieries, Limited, with 488,187 tons from Lovettville, Coalhurst, Evansburg, Dodds, and Drumheller; and the Brazeau Collieries, Limited, with 366,216 tons from Nordegg.

Of the total production, 5,495,234 tons were reported as sales, including 5,362,469 tons sold for consumption in Canada, 132,765 tons sold for export to the United States; 477,582 tons were used by producers, including 108,864 tons charged to coke ovens, and 368,718 tons used for colliery operations and by workmen.

The monthly production of anthracite, bituminous, and lignite coals during 1918, and part of 1919, and the production of each of the larger collieries during 1918 and 1917 are shown in the following tables:—

## Monthly Production of Coal in Alberta, 1919.

(IN SHORT TONS.)

Month.	Anthracite.	Bituminous.	Lignite.	Total.
January.....	8,730	282,888	199,629	491,247
February.....	7,645	265,410	146,280	419,335
March.....	9,414	278,357	209,902	497,673
April.....	8,679	214,830	95,045	318,554
May.....	76	169,559	94,625	264,260
June.....	39	4,197	36,360	40,596
July.....	750	6,737	48,265	55,752
August.....	2,180	41,078	104,412	147,670
September.....	7,278	206,852	257,830	471,460
October.....				
November.....				
December.....				

**Monthly Production of Coal in Alberta, 1918.**  
(IN SHORT TONS.)

District.	Operators reporting.	Jan.	Feb.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.	Year.
Banff..... Anthracite	1	11,358	11,722	12,533	12,773	10,927	8,732	9,932	9,006	8,611	8,211	4,947	6,653	115,405
Crowsnest..... Bituminous	5	128,554	123,229	136,751	148,166	142,178	149,113	147,071	138,656	133,943	121,759	104,606	121,636	1,595,662
Canmore..... "	1	23,969	23,697	23,521	26,219	22,705	24,464	25,477	22,953	23,981	24,758	21,472	11,529	274,745
Brazeau..... "	3	28,354	24,903	23,407	32,445	35,597	32,779	36,080	41,790	37,502	38,533	17,585	24,103	373,078
Jasper Park..... "	2	23,950	22,851	28,603	30,595	27,655	19,332	20,100	22,754	25,713	26,750	15,670	21,032	285,005
Yellowhead Pass..... "	6	21,543	16,661	19,334	21,262	21,813	24,36	29,033	33,613	34,228	39,437	21,066	30,043	312,395
Mountain Park..... "	1	18,817	13,080	13,203	12,256	10,830	10,639	11,585	10,371	8,849	12,608	8,734	11,069	137,042
Total Bituminous.....	18	240,187	224,421	244,819	270,943	260,778	260,689	269,346	270,137	264,216	263,845	189,134	219,412	2,977,927
Pincher Creek..... Lignite	8	449	478	281	205	186	237	357	301	291	502	588	494	4,369
Lethbridge..... "	13	81,012	76,923	71,001	59,894	55,814	60,903	66,100	70,933	64,523	73,261	55,165	72,702	808,231
Magrath..... "	3	89	62	24	7	13	6	25	28	92	110	151	141	748
Milk River..... "	17	617	566	387	246	321	364	379	402	660	888	950	648	6,378
Taber..... "	12	20,808	18,947	7,097	1,852	5,22	11,578	15,825	17,512	16,950	18,366	11,206	17,220	162,589
Bow Island..... "	14	605	531	391	308	438	331	362	357	505	1,143	1,119	643	6,733
Medicine Hat..... "	6	2,534	1,027	424	164	204	522	1,350	1,662	1,941	3,269	1,688	2,221	17,010
Aldersyde..... "	9	703	611	552	262	359	186	463	370	679	1,350	1,268	782	7,585
High River..... "	4	76	65	50	24	19	25	20	7	29	128	100	67	610
Drumheller..... "	28	89,388	14,192	28,793	7,749	38,445	93,705	119,753	123,987	99,772	79,143	75,196	85,117	855,240
Big Valley..... "	4	4,238	3,542	3,105	1,98	1,977	2,331	2,208	2,170	2,296	3,558	4,078	3,776	34,477
Brooks..... "	7	1,053	979	777	231	472	466	1,016	471	1,274	2,269	1,336	1,138	11,482
Hanna..... "	20	3,234	2,811	1,957	526	1,184	1,407	1,623	1,074	2,162	4,801	5,087	3,300	29,166
Lacombe..... "	16	2,595	2,065	1,599	288	47	209	304	455	551	1,538	1,737	1,297	13,135
Trochu..... "	13	3,250	2,813	851	328	302	659	816	1,006	1,039	1,541	2,368	1,909	16,862
Three Hills..... "	6	3,508	3,311	1,076	355	1,326	2,163	2,711	2,435	1,959	2,366	2,776	1,760	25,786
Carbon..... "	8	522	612	295	121	333	446	445	351	345	663	666	353	5,152
Battle River..... "	15	2,215	2,332	725	37	35	25	25	40	137	1,129	2,394	1,982	11,126
Camrose..... "	7	10,688	8,651	3,712	1,617	1,476	1,866	2,509	2,143	3,048	5,183	6,028	7,625	54,579
Tofield..... "	3	1,974	7,524	4,038	2,256	2,431	2,783	3,769	5,647	5,001	6,640	7,866	5,770	67,699
Clover Bar..... "	9	42,576	30,008	16,396	7,642	9,875	18,777	20,220	17,702	19,947	22,844	25,597	25,077	256,661
Edmonton..... "	9	17,845	13,556	7,402	4,894	4,618	7,155	8,215	4,047	6,930	9,924	10,977	10,153	105,721
Namoo..... "	4	2,797	2,885	1,185	790	871	919	1,222	1,266	1,363	2,140	1,557	2,344	19,279
Cardiff..... "	3	38,165	27,094	13,603	9,662	13,252	17,181	14,128	13,145	21,417	24,893	17,440	28,226	238,156
Wabamun..... "	3	2,226	2,381	1,370	487	530	1,253	1,098	1,330	1,684	1,671	2,639	2,342	18,961
Pembina..... "	1	13,727	8,629	2,828	1,902	6,896	8,444	6,561	10,390	10,231	14,176	10,314	7,651	101,749
Total Lignite.....	242	358,894	232,595	169,899	103,115	147,106	233,891	271,504	279,231	264,766	283,446	250,291	284,746	2,879,484
Grand total.....	261	610,439	468,738	427,251	386,831	418,811	503,312	550,782	558,374	537,593	555,502	444,372	510,811	5,972,816

## Production of Coal in Alberta in 1918, by Principal Collieries.

(IN SHORT TONS.)

Name of Company, and Mine address.	Days in operation.	Total sales.	Total colliery con- sumption.*	Total production.
Alberta Block Coal Co., Ltd., Drumheller.....	215	83,243	4,473	87,716
Alberta Coal Mining Co., Ltd., (The) Cardiff...	242	68,599	3,600	72,199
Atlas Coal Mining Co., Ltd., Drumheller.....	195	42,526	2,974	45,500
Big Valley Collieries, Big Valley.....	285	30,004	600	30,604
Banner Coal Co., Ltd., Cardiff.....	12 mos.	53,515	2,125	55,640
Blue Diamond Coal Co., Ltd., Brule Mines.....	288	184,989	3,750	188,739
Brazeau Collieries, Ltd., Nordegg...	277	350,192	6,024	356,216
Bush Mine Coal Co., Beverly.....	255	26,244	1,124	27,368
Cadomin Coal Co., Ltd., Coalspur.....	293	119,269	1,320	120,589
Canada West Coal Co., Ltd., Taber.....	245	86,118	17,311	103,429
Canadian Pacific Railway:—				
Bankhead Mine.....	304	31,101	(a) 84,304	115,405
Galt No. 3, Lethbridge.....	298	91,783	14,580	106,363
Galt No. 6, Lethbridge.....	303	230,945	24,035	254,980
Cannora Coal Co., Ltd., Cannora.....	288	258,339	16,406	274,745
Cardiff Collieries, Ltd., Cardiff.....	206	102,306	8,011	110,317
Chinook Coal Co., Ltd., Commerce.....	295	85,653	19,701	105,354
City of Lethbridge Coal Mine, Lethbridge.....	277½	12,573	.....	12,573
Clover Bar Coal Co., Ltd., Clover Bar.....	220	13,715	2,257	15,972
Dawson Coal Co., Ltd., (The) Edmonton.....	253	16,609	2,020	18,629
Dobell Coal Co., Ltd., (The) Tofield.....	283	30,802	960	31,762
Drumheller Land Co., (The) Drumheller.....	224	45,179	2,880	48,059
Ellis Coal Co., Ltd., Three Hills.....	197	20,094	1,891	21,985
Edmonton Collieries, Ltd., Clover Bar.....	280	11,825	927	12,752
Federal Coals, Limited, Lethbridge.....	275	27,316	1,298	28,614
Franco-Canadian Collieries, Ltd., Frank.....	141	37,138	7,305	44,443
Fraser-MacKay Collieries, Ltd., Clover Bar.....	247	13,541	1,05	13,646
Great West Coal Co., Ltd., (The) Clover Bar.....	255	66,311	5,319	71,630
Great West Coal Co., Ltd., Aerial, (Star mine).....	220	45,274	1,083	46,357
Hamilton Coal Co., Ltd., Wayne.....	.....	15,000	270	15,270
Hillcrest Collieries, Ltd., Hillcrest.....	290	240,658	12,762	253,420
Humberstone Coal Co., Beverly.....	206	85,212	9,730	94,942
International Coal & Coke Co., Ltd., Coleman.....	300	178,767	(b) 73,042	252,409
Jasper Park Collieries:—				
Jasper Mine.....	269	67,338	5,284	72,622
Miette Mine.....	205	23,493	151	23,644
Keith & Fulton Coal Co., Clover Bar.....	171	10,848	.....	10,848
Lakeside Coals Limited, Wabamun.....	218	17,959	980	18,939
McGillivray Ck. Coal and Coke Co., Ltd., Coleman.....	296	268,154	9,246	277,400
McPeak, P. J., Ltd., Edmonton.....	257	19,919	2,178	22,097
Midland Collieries, Ltd., Midlandvale.....	219	73,123	4,800	77,923
Mountain Park Coal Co., Ltd., Mountain Park.....	293	126,549	10,493	137,042
Newcastle Coal Co., Ltd., Drumheller.....	185	52,417	1,640	54,057
North American Collieries, Ltd.:—				
Pacific Pass Colliery, Lovettville.....	264	73,067	8,891	81,958
Pembina Colliery, Evansburgh.....	230	94,558	7,191	101,749
Regal Colliery, Dodds.....	125	10,200	10	10,210
Monarch Colliery, Drumheller.....	184	38,295	5,547	43,842
Lethbridge Colliery, Coalhurst (Kipp).....	298	230,959	19,469	250,428
Oliphant-Munson Collieries, Ltd., Oliphant Mines.....	268	66,147	1,443	67,590
Peerless Coal Co., Ltd., Wayne.....	208	13,835	505	14,340
Premier Coal Co., Ltd., Drumheller.....	165	34,130	507	34,637
Redcliff Brick & Coal Co., Ltd., Redcliff.....	231	14,574	.....	14,574
Regal Collieries, Limited, Taber.....	277	21,814	2,766	24,580
Rock Springs Coal & Brick Co., Ltd., Elcan.....	235	20,760	2,273	23,033
Rosedale Coal & Clay Products Co., Ltd., Rosedale..	194	104,770	1,673	106,443
Rose Deer Coal Mfg. Co., Ltd., Wayne.....	177	89,972	5,004	94,976
Round Hill Collieries, Ltd., Roundhill.....	249	16,160	429	16,589
Scranton Coal Co., Ltd., Drumheller.....	196	24,614	2,027	26,641
Spicer Coal Co., Ltd., (The) Dinant.....	280	13,984	695	14,679
Saunders Creek Domestic & Steam Coal Co., Saunders.....	.....	15,995	466	16,461
Sturgeon Consolidated Collieries, Ltd., Namao.....	255½	15,907	420	16,327
Tofield Coal Co., Ltd., Tofield.....	269	32,544	1,400	33,944
Trusts & Guarantee Co., Ltd., Diamond City Mine..	12 mos.	33,663	5,750	39,413
Twin City Coal Co., Ltd., Edmonton South.....	263	49,876	6,939	56,815

Production of Coal in Alberta in 1918, by Principal Collieries—*Concluded.*

Name of Company, and Mine address.	Days in operation.	Total sales.	Total colliery con- sumption.*	Total production.
West Canadian Collieries :—				
Bellevue.....	302	419,963	14,899	434,862
Greenhill.....	297	327,579	5,549	333,128
Western Commercial Co., Ltd., Wayne.....	195	87,401	4,983	92,384
Western Gem Mg. Co., Ltd., Drumheller.....	221	48,122	4,538	52,660
Yellowhead Coal Co., Ltd., Coalspur.....	278	37,984	2,424	40,408
- Total (61).....		5,301,513	473,357	5,774,870
All other Operators (200).....		193,721	4,225	197,946
Total, Alberta.....		5,495,234	477,582	5,972,816

(a) Includes 55,402 used in making briquettes. There were 99,103 tons of briquettes sold, and 1,095 tons used in colliery consumption and sold to workmen. (b) Including 53,462 tons used in manufacturing coke.

\* Includes consumption under boilers, etc., and coal used by workmen.

## Production of Coal in Alberta in 1917, by Principal Collieries.

(IN SHORT TONS.)

Name of Company, and Mine address.	Days in operation.	Total sales.	Total colliery consumption.*	Total production.
Alberta Block Coal Co., Ltd., Drumheller.....	143	59,594	1,912	61,506
Alberta Coal Mining Co., Ltd., (The) Cardiff.....	241	67,270	3,600	70,870
Atlas Coal Co., Ltd., Drumheller.....	148	15,515	1,781	17,296
Big Valley Collieries, Big Valley.....	303	25,414	748	26,162
Blain & Gilliland, Banner mine, Cardiff.....	287	54,753	2,716	57,469
Blue Diamond Coal Co., Ltd., Brulo Mines.....	256	152,168	3,211	155,379
Brazeau Collieries, Ltd., Nordegg.....	229	248,900	5,585	254,485
Bush Mine Coal Co., Beverly.....	301	26,226	740	26,966
Cadomin Coal Co., Ltd., Coalspur.....	111	14,125	60	14,185
Canada West Coal Co., Ltd., Taber.....	224	90,225	20,260	110,485
Can. Pac. Ry., Bankhead.....	254	30,804	(a) 77,421	108,225
" Galt No. 3, Lethbridge.....	230	89,535	16,082	105,617
" Galt No. 6, Lethbridge.....	237	193,436	26,440	219,886
Cannore Coal Co., Ltd., Cannore.....	240	181,103	15,844	196,947
Cardiff Collieries, Ltd., Cardiff.....	154	104,020	5,502	109,522
Chinook Coal Co., Ltd., Commerce.....	250	64,870	11,333	76,203
City of Lethbridge Coal Mine, Lethbridge.....	269	12,204	.....	12,204
Clover Bar Coal Co., Ltd., Clover Bar.....	284	19,776	1,590	21,276
Dawson Coal Co., Ltd., (The) Edmonton.....	285	18,436	1,150	19,586
Dobell Coal Co., Ltd., (The) Tofield.....	248	30,798	1,910	32,708
Drumheller Land Co., (The) Drumheller.....	223	43,234	3,348	46,582
Ellis Coal Co., Ltd., Three Hills.....	296	19,419	989	20,408
Federal Coals, Limited, Lethbridge.....	266	14,339	32	14,421
Franco-Canadian Collieries, Ltd., Frank.....	216	92,127	10,596	108,723
Great West Coal Co., Ltd., (The) Clover Bar.....	266	71,670	4,017	75,687
Hillcrest Collieries, Ltd., Hillcrest.....	219	192,613	10,598	203,211
Humberstone Coal Co., Beverly.....	279	93,882	9,125	103,007
International Coal and Coke Co., Ltd., Coleman.....	241	116,548	(b) 70,639	187,187
Jasper Park Collieries—Jasper Mine.....	234	64,681	3,906	68,587
" " Miette Mine.....	199	24,701	66	24,767
Lakeside Coals Limited, Wabamun.....	.....	13,484	50	13,534
McGillivray Creek Coal and Coke Co., Ltd., Coleman.....	235	205,278	7,975	213,253
McPeak Coal Co., Ltd., Edmonton.....	267	18,375	1,360	19,735
Midland Collieries, Ltd., Midlandvale.....	190	60,090	2,747	62,837
Mountain Park Coal Co., Ltd., Mountain Park.....	279	132,895	6,269	139,164
Newcastle Coal Co., Ltd., Drumheller.....	117	28,377	852	29,229
North American Collieries, Ltd.—				
Pacific Pass Colliery, Lovettville.....	284	66,903	6,142	73,045
Pembina Colliery, Evansburg.....	246	74,763	7,148	81,911
Regal Colliery, Dodds.....	275	14,766	32	14,798
Monarch Colliery, Drumheller.....	12 months.	31,803	2,651	34,454
Lethbridge Colliery, Coalhurst (Kipp).....	219	164,348	10,251	180,599
Oliphant Munson Collieries, Ltd., Oliphant Mines.....	294	41,247	575	41,822
Ottewell Coal Co., Clover Bar.....	251	10,600	100	10,700
Premier Coal Co., Ltd., Drumheller.....	143	26,898	312	27,210
Regal Collieries, Limited, Taber.....	242	9,002	1,632	10,634
Rock Springs Coal and Brick Co., Ltd., Elean.....	269	27,133	2,746	29,879
Rosedale Coal and Clay Products Co., Ltd., Rosedale.....	289	87,100	36	87,136
Rose Deer Coal Mining Co., Ltd., Wayne.....	241	75,548	3,790	79,333
Round Hill Collieries, Ltd., Roundhill.....	206	19,314	400	19,714
Spicer Coal Co., Ltd., (The) Dinant.....	282	16,397	553	16,950
Saunders Creek Dom. and Steam Coal Co., Limited, Saunders.....	12 months.	11,994	344	12,338
Star Coal Mines, Ltd., Aerial.....	235	63,131	1,222	64,353
Sterling Coal Co., Ltd., Drumheller.....	175	18,703	2,920	21,623
Sturgeon Consolidated Collieries, Ltd., Namao.....	295	14,821	414	15,235
Tofield Coal Co., Ltd., Tofield.....	241	32,990	1,087	34,077
Twin City Coal Co., Ltd., Edmonton South.....	296	71,442	4,976	76,418
West Canadian Collieries, Bellevue.....	205	263,223	11,412	274,635
" " Greenhill.....	217	196,527	4,920	201,447
Western Commercial Co., Ltd., Wayne.....	223	81,765	3,850	85,615
Yellowhead Coal Co., Ltd., Coalspur.....	227	30,130	.....	30,130
All other operators.....		4,141,483	409,887	4,551,370
		180,081	4,917	184,998
Total Alberta.....		4,321,564	414,804	4,736,368

\*Includes consumption under boilers, etc., and coal used by workmen.

(a) Includes 50,704 tons of coal used in the manufacture of briquettes. Total quantity coal and briquettes sold or used in colliery operation 151,628 tons.

(b) Including for manufacture of coke, 51,905 tons.

## Annual Production of Coal in Alberta.

Calendar Year.	Short tons.	Value.	Average per ton.	Calendar Year.	Short tons.	Value.	Average per ton.
		\$	\$			\$	\$
1886. ....	43,220	81,112	1.88	1903. ....	495,893	1,117,541	2.26
1887. ....	74,152	157,577	2.13	1904. ....	661,732	1,404,524	2.12
1888. ....	115,124	183,354	1.59	1905. ....	931,917	1,993,915	2.14
1889. ....	97,364	179,640	1.85	1906. ....	1,246,360	2,614,762	2.10
1890. ....	128,753	198,298	1.54	1907. ....	1,591,579	3,836,286	2.41
1891. ....	174,131	437,243	2.51	1908. ....	1,685,661	4,127,311	2.45
1892. ....	178,970	460,605	2.57	1909. ....	1,994,741	4,838,109	2.43
1893. ....	230,070	586,260	2.55	1910. ....	2,894,469	7,065,736	2.44
1894. ....	184,940	473,827	2.56	1911. ....	1,511,036	3,979,264	2.63
1895. ....	169,885	382,526	2.25	1912. ....	3,240,577	8,113,525	2.50
1896. ....	209,162	531,832	2.73	1913. ....	4,014,755	10,413,941	2.59
1897. ....	242,163	630,408	2.60	1914. ....	3,638,015	9,350,392	2.54
1898. ....	315,088	787,720	2.50	1915. ....	3,360,818	8,283,079	2.46
1899. ....	309,609	774,000	2.50	1916. ....	4,559,034	11,386,577	2.50
1900. ....	311,450	778,625	2.50	1917. ....	4,736,368	14,153,685	2.99
1901. ....	340,275	850,687	2.50	1918. ....	5,972,816	20,537,287	3.44
1902. ....	402,819	960,601	2.38				
				Total .....	46,107,957	121,725,249	

## British Columbia.

The production of coal in British Columbia in 1918 was 2,568,589 tons, as compared with 2,433,888 tons in 1917, an increase of 134,701 tons, or 5.5 per cent.

Of the total production in 1918, 2,021,539 tons were reported as sales, including 1,113,126 tons sold for consumption in Canada; 842,986 tons sold for export to the United States, and 65,427 tons sold for export to other countries; 547,050 tons were used by producers, including 309,657 tons for making coke and 237,393 tons for the operation of collieries and by workmen. The production and distribution of the collieries on Vancouver Island, of the Crowsnest district, and of the interior at Nicola and Princeton are shown separately in the following tables.

The three largest operators in the Province were: The Crowsnest Pass Coal Company, with a total production of 681,876 tons; the Canadian Collieries (Dunsmuir), Limited, with 667,768 tons; and the Canadian Western Fuel Company, with 745,212 tons. These three companies contributed 81.6 per cent of the Province's production.

## Coal Production by Districts in British Columbia, 1918.

(IN SHORT TONS.)

Coal.	Vancouver Island.	Nicola and Princeton.	Crowsnest and East Kootenay.	Total
Sold for consumption in Canada. ....	858,511	167,819	86,796	1,113,126
Sold for export to United States. ....	446,468	13,234	383,284	842,986
Sold for export to other countries. ....	65,427			65,427
Total sales. ....	1,370,406	181,053	470,080	2,021,539
Used for making coke. ....	44,993		264,664	309,657
Used for colliery consumption, etc. ....	154,772	16,780	65,841	237,393
Production. ....	1,570,171	197,833	800,585	2,568,589
Per cent. ....	61.1	7.7	31.2	100.0

## Coal Production by Districts in British Columbia, 1917.

(IN SHORT TONS.)

Coal.	Vancouver Island.	Nicola and Princeton.	Crowsnest and East Kootenay.	Total
Sold for consumption in Canada:.. .. .	824,437	139,142	82,441	1,046,020
Sold for export to United States:.. .. .	576,708	15,471	252,949	845,128
Sold for export to other countries:.. .. .	42,796	.....	.....	42,796
Total sales:.. .. .	1,443,941	154,613	335,390	1,933,944
Used for making coke .. .. .	60,801	.....	217,786	278,590
Used for colliery consumption, etc.:.. .. .	148,456	13,118	64,780	221,354
Production:.. .. .	1,648,201	167,731	617,956	2,433,888
Per cent .. .. .	67.7	6.9	25.4	



# Coal Production by Collieries in British Columbia, 1918.

(IN SHORT TONS.)

Colliery.	Sold.				Used.		Production.	Lost in washing, etc.	Stocks.		Output.
	In Canada.	To United States.	To other countries.	Total.	Making coke.	Under colliery boilers, etc.			First of year.	Last of year.	
1. Harwood.....	146,562	75,476	7,729	229,767	.....	8,710	238,477	16,912	6,201	6,813	256,001
No. 1 Mine.....	204,764	110,797	11,343	326,904	.....	66,417	393,321	18,968	1,158	38,155	444,286
Reserve.....	59,024	30,425	3,115	92,564	.....	20,850	113,414	4,144	1,611	3,519	119,466
2. East Wellington No. 1 (Jingle Pot).....	5,176	5,240	.....	10,416	.....	4,664	15,080	322	.....	676	16,078
3. Wellington Extension Mine, Ladysmith.	164,742	28,638	.....	193,380	76	17,742	211,198	61,231	997	4,050	275,482
Comox Mines, Cumberland.....	214,133	141,166	48,240	398,539	44,917	13,114	456,570	144,948	2,750	4,202	602,970
4. South Wellington Mines.....	37,283	40,627	.....	77,910	.....	20,777	98,687	18,508	25,109	459	92,545
5. Granby.....	13,899	.....	.....	13,899	.....	787	14,686	.....	.....	4,307	18,993
6. Grant.....	12,928	14,099	.....	27,027	.....	1,711	28,738	3,522	.....	.....	32,260
7. Michel.....	16,274	67,514	.....	83,788	126,539	20,854	231,181	.....	.....	.....	231,181
Coal Creek.....	35,764	240,642	.....	276,406	138,125	36,164	450,695	.....	72	136	450,759
8. Corbin.....	34,738	75,128	.....	109,866	.....	8,823	118,709	20,160	.....	.....	138,869
9. Middlesboro.....	106,448	.....	.....	106,448	.....	7,263	113,711	.....	140	175	113,746
10. Inland (Coal Hill).....	35,184	.....	.....	35,184	.....	2,317	37,501	515	.....	146	38,162
11. Princeton.....	22,653	11,780	.....	34,433	.....	7,200	41,633	1,752	167	95	43,313
12. Coalmont.....	2,890	1,454	.....	4,344	.....	.....	4,344	.....	.....	.....	4,344
13. Ashman.....	644	.....	.....	644	.....	.....	644	.....	.....	.....	644
	1,113,126	842,986	65,427	2,021,539	309,657	237,393	2,568,589	285,982	38,205	62,733	2,579,099

1. Canadian Western Fuel Company.
2. British Columbia Coal Mining Co.
3. Canadian Collieries (Dunsmuir), Ltd.
4. Pacific Coast Coal Mines, Ltd.
5. Granby Consolidated Mg., S., & Power Co. Ltd.

6. Nanoose Collieries, Ltd.
7. Crow's Nest Coal Co., Ltd.
8. Corbin Coal and Coke Co., Ltd.
9. Middlesboro Collieries, Ltd.

10. Fleming Coal Co., Ltd.
11. Princeton Coal and Land Co., Ltd.
12. Coalmont Collieries, Ltd.
13. Telkwa Collieries Co.

# Coal Production by Collieries in British Columbia, 1917.

(IN SHORT TONS.)

Colliery.	Sold.				Used.		Production.	Lost in washing, etc.	Stocks.		Output.
	In Canada.	To United States.	To other countries.	Total.	Making coke.	Under colliery boilers, etc.			First of year.	Last of year.	
1. Harwood.....	11,448	33,225	.....	44,673	.....	709	45,382	.....	.....	6,201	51,583
No. 1 Mine.....	184,919	263,489	.....	448,408	.....	59,302	507,710	.....	5,237	1,157	503,630
Reserve.....	73,509	71,832	.....	145,341	.....	16,100	161,441	.....	3,228	1,611	159,824
2. East Wellington No. 1.....	55,083	201	.....	55,284	.....	9,305	64,589	5,544	3,312	.....	66,821
3. Wellington Extension Mine, Lady-smith Comox Mines, Cumberland.....	153,002	61,097	12,552	226,651	1,120	21,103	248,874	75,731	1,484	997	324,118
4. South Wellington Mines.....	77,601	48,959	.....	126,560	.....	13,299	141,237	128,900	3,975	2,750	568,912
5. Grant.....	17,853	10,917	.....	28,770	.....	22,793	149,353	19,372	1,151	1,039	168,613
6. Michel.....	10,690	24,406	.....	35,096	89,718	17,601	142,415	.....	35	.....	29,615
Coal Creek.....	33,214	161,797	.....	195,011	128,068	39,268	362,347	.....	30	71	142,415
7. Corbin.....	38,537	66,746	.....	105,283	.....	7,911	113,194	.....	.....	.....	362,388
8. Middlesboro.....	88,372	.....	.....	88,372	.....	5,289	93,661	.....	327	140	113,194
9. Merritt.....	14,167	.....	.....	14,167	.....	793	14,960	.....	.....	.....	93,474
10. Inland.....	7,828	.....	.....	7,828	.....	701	8,529	448	213	.....	14,960
11. Princeton.....	28,775	15,471	.....	44,246	.....	6,335	50,581	1,738	13	252	8,764
	1,046,020	845,128	42,796	1,933,944	278,590	221,354	2,433,888	231,733	20,160	15,373	2,660,834

1. Western Fuel Company.
2. British Columbia Coal Mining Co.
3. Canadian Collieries (Dunsmuir), Ltd.
4. Pacific Coast Coal Mines, Ltd.

5. Nanoose Collieries, Ltd.
6. Crow's Nest Pass Coal Co., Ltd.
7. Corbin Coal and Coke Co., Ltd.
8. Middlesboro Collieries, Ltd.

9. Merritt Collieries, Ltd., (formerly Diamond Vale).
10. Inland Coal and Coke Co., Ltd.
11. Princeton Coal and Land Co., Ltd.

## Annual Production of Coal in British Columbia.

Calendar Year.	Output.	Home consumption.	Sold for export.	Production *.		Price per long ton.	Value.
				Long tons.	Short tons.		
						\$ cts.	\$
1836 to 1873 .....	480,785				538,480	4 00	1,923,140
1874 .....	81,547	25,023	56,038	81,061	90,788	3 00	243,183
1875 .....	110,145	31,252	66,392	97,644	109,361	3 00	292,932
1876 .....	139,192	17,856	122,329	140,185	157,007	3 00	420,555
1877 .....	154,052	24,311	115,381	139,692	156,455	3 00	419,076
1878 .....	170,846	26,166	164,682	190,848	213,750	3 00	572,544
1879 .....	241,301	40,294	192,096	232,390	260,277	3 00	697,170
1880 .....	207,595	46,513	225,849	272,362	305,045	3 00	817,086
1881 .....	228,357	40,191	189,323	229,514	257,056	3 00	688,542
1882 .....	282,139	56,161	232,411	288,572	323,201	3 00	865,716
1883 .....	213,299	64,786	149,567	214,353	240,075	3 00	643,059
1884 .....	394,070	87,388	306,478	393,866	441,130	3 00	1,181,598
1885 .....	365,596	95,227	237,797	333,024	372,987	3 00	999,072
1886 .....	326,636	85,987	249,205	335,192	375,415	3 00	1,005,576
1887 .....	413,360	99,216	334,839	434,055	486,142	3 00	1,302,165
1888 .....	489,301	116,953	365,714	481,667	539,467	3 00	1,445,001
1889 .....	579,830	124,574	443,675	568,249	636,439	3 00	1,704,747
1890 .....	678,140	177,075	508,270	685,345	767,586	3 00	2,056,035
1891 .....	1,029,097	202,697	806,479	1,009,176	1,130,277	3 00	3,027,528
1892 .....	826,335	196,223	640,579	836,802	937,218	3 00	2,510,406
1893 .....	978,294	207,851	768,917	976,768	1,093,930	3 00	2,930,304
1894 .....	1,012,953	165,776	827,642	993,418	1,112,628	3 00	2,980,254
1895 .....	939,654	188,349	756,334	944,683	1,058,045	3 00	2,834,049
1896 .....	894,822	261,984	634,238	896,222	1,003,769	3 00	2,688,666
1897 .....	802,296	290,310	619,860	910,170	1,019,390	3 00	2,730,510
1898 .....	1,156,435	375,423	752,363	1,128,286	1,263,680	3 00	3,334,858
1899 .....	1,306,324	526,058	751,711	1,277,769	1,451,101	3 00	3,833,307
1900 .....	1,509,178	685,667	914,184	1,599,851	1,791,833	3 00	4,799,553
1901 .....	1,691,557	799,666	914,163	1,713,829	1,919,488	3 00	5,141,487
1902 .....	1,641,626	837,871	776,809	1,614,680	1,808,441	3 00	4,844,040
1903 .....	1,450,663	947,499	549,449	1,496,948	1,676,581	3 00	4,490,844
1904 .....	1,635,698	1,129,465	533,593	1,663,058	1,862,625	3 00	4,989,174
1905 .....	1,736,696	1,089,667	647,343	1,737,010	1,945,452	3 00	5,211,030
1906 .....	1,899,076	1,236,476	679,829	1,916,305	2,146,262	3 00	5,748,915
1907 .....	2,219,602	1,438,402	673,114	2,111,516	2,364,893	3 50	7,390,306
1908 .....	2,111,931	1,486,511	597,157	2,083,668	2,333,708	3 50	7,292,838
1909 .....	2,383,196	1,585,232	741,667	2,326,899	2,606,127	3 50	8,144,147
1910 .....	3,152,207	1,798,873	1,175,007	2,973,880	3,330,745	3 50	10,408,580
1911 .....	2,304,794	1,657,422	612,696	2,270,118	2,542,532	3 50	7,945,413
1912 .....	2,857,345	1,898,213	966,963	2,865,176	3,208,997	3 50	10,028,116
1913 .....	2,587,357	1,799,643	623,946	2,423,589	2,714,420	3 50	8,482,562
1914 .....	2,182,164	1,397,036	602,785	1,999,821	2,239,799	3 50	6,999,374
1915 .....	1,962,817	1,191,219	653,078	1,844,297	2,065,613	3 50	6,455,041
1916 .....	2,487,012	1,463,152	844,045	2,307,197	2,584,061	3 50	8,075,190
1917 .....	2,375,745	1,330,325	792,789	2,173,114	2,433,888	3 79	8,235,716
1918 .....	2,570,624	1,482,300	811,083	2,293,383	2,568,589	5 01	11,494,681
Total .....				53,986,435	60,464,808		180,374,086

\* This production is obtained by adding "Home Consumption" and "Sold for Export."

† 52,935 tons of this amount were exported as sales without the division into "Home Consumption" and "Sold for Export."

## Yukon.

Coal production in the Yukon in 1918 was reported as 2,900 tons, all the product of the Tantalus mine of the Five Fingers Coal Company, near Whitehorse.

## Annual Production of Coal in Yukon Territory.

Calendar year.	Short tons	Value.	Average per ton.	Calendar year.	Short tons	Value.	Average per ton.
		\$	\$ cts.			\$	\$ cts.
1901 .....	*5,864	86,230	14 70	1911 .....	2,840	12,780	4 50
1902 .....	4,910	37,280	7 59	1912 .....	9,245	44,958	4 86
1903 .....	1,849	29,584	16 00	1913 .....	19,722	95,945	4 86
1904 .....				1914 .....	13,443	53,760	4 00
1905 .....	7,000	21,000	3 00	1915 .....	9,721	38,896	4 00
1906 .....	7,000	28,000	4 00	1916 .....	3,300	13,200	4 00
1907 .....	15,000	60,000	4 00	1917 .....	4,872	29,232	16 00
1908 .....	3,847	21,158	5 50	1918 .....	2,900	11,600	4 00
1909 .....	7,364	49,502	6 72				
1910 .....	16,185	110,925	6 85	Total .....	135,065	744,050	

\* Part of this production was mined in 1900.

† Value not reported, but estimated.

## COKE.

The accompanying statistics cover only the production of coke in by-product and beehive coke oven plants and do not include retort coke recovered by gas companies.

Both domestic and imported coal are used in the manufacture of coke in Canadian coke oven plants.

In 1918, 1,348,232 tons of domestic coal, and 635,010 tons of imported coal were charged to coke ovens, from which was obtained an output of 1,258,284 tons of coke, thus averaging 0.634 tons of coke per ton of coal charged. Coke from by-product ovens comprised 70 per cent of the total.

In 1917, 1,379,038 tons of domestic, and 549,885 tons of imported coal were charged to coke ovens, from which was obtained an output of 1,231,865 tons of coke, thus averaging 0.639 tons of coke per ton of coal charged. Coke from by-product ovens comprised 74 per cent of the total.

The amount of coke sold, or used by producers, in 1918, was 1,250,744 tons as compared with 1,245,862 tons in 1917, a slight increase.

In addition to the tonnage sold or used by producers, there were imported during 1918, 1,165,590 tons of coke, while the exports totalled 29,612 tons. The Canadian consumption in 1918, was therefore, 2,386,722 tons, an increase of 194,349 tons over the estimated consumption in 1917. The consumption of oven coke during recent years has been as follows: 1,285,228 tons in 1908; 1,449,369 tons in 1909; 1,581,832 tons in 1910; 1,677,188 tons in 1911; 1,981,832 tons in 1912; 2,186,170 tons in 1913; 1,509,068 tons in 1914; 1,772,461 tons in 1915; 2,178,318 tons in 1916; and 2,192,373 tons in 1917.

### Coke Production, 1918.

(IN SHORT TONS.)

Province	Coal charged to ovens.	Coke output.	Stock on hand.		Coke sold or used.	Per cent of total production.	Value of coke sold or used.
			Jan. 1.	Dec. 31.			
Nova Scotia.....	985,113	581,870	1,597	3,034	580,433	46.41	\$ 5,966,609
Ontario.....	* 635,010	431,970	2,424	9,307	425,087	33.99	3,300,127
Alberta.....	53,462	32,801	505	652	32,654	2.61	213,884
British Columbia	309,657	211,643	3,300	2,373	212,570	16.99	1,554,575
Total.....	1,983,242	1,258,284	7,826	15,366	1,250,744	100.00	\$ 11,035,195

\* All imported coal.

### Coke Production, 1917.

(IN SHORT TONS.)

Province.	Coal charged to ovens.	Coke output.	Stock on hand.		Coke sold or used.	Per cent of total production.	Value of coke sold or used.
			Jan. 1.	Dec. 31.			
Nova Scotia.....	1,046,279	645,069	1,114	1,597	643,757	51.67	\$ 3,218,785
Ontario.....	* 549,885	375,014	16,458	2,424	389,048	31.23	2,155,326
Alberta.....	51,905	31,196	959	506	31,649	2.54	181,982
British Columbia	280,854	180,586	4,122	3,300	181,408	14.56	1,106,488
Total.....	1,928,923	1,231,865	22,653	7,827	1,245,862	100.00	\$ 6,662,581

\* All imported coal.

## Distribution of Coke Production, 1918.

(IN SHORT TONS.)

	Nova Scotia.	Ontario.	Alberta.	British Columbia.	Total.
Sold in Canada.....	5,155	1,107	32,552	192,949	231,763
Sold for export.....			102	19,492	19,594
Total sales.....	5,155	1,107	32,654	212,441	251,357
Used by maker in blast furnace or otherwise.....	575,278	423,980		129	999,387
Total sold or used.....	580,433	425,087	32,654	212,570	1,250,744
Number of ovens in operation Dec. 31...	694	215		731	1,640
Number of ovens idle Dec. 31.....	176		216	649	1,041

## Coke Production.

(IN SHORT TONS.)

Year.	Coal charged to ovens.	Coke output.	% Recovery per charge.	Stock on hand.		Coke sold or used.	Value of coke sold or used.	Average price.
				Jan. 1.	Dec. 31.			
1910.....	1,373,793	901,269	65.6	19,216	17,770	902,715	\$3,462,872	\$3.84
1911.....	1,409,844	954,388	67.7	17,826	36,560	935,651	3,630,410	3.88
1912.....	2,053,807	1,406,028	68.5	39,073	33,872	1,411,229	5,164,331	3.66
1913.....	2,247,913	1,517,133	67.5	33,926	20,560	1,530,499	5,919,596	3.87
1914.....	1,541,547	1,015,253	65.9	20,634	12,027	1,023,860	3,658,514	3.55
1915.....	1,856,393	1,200,766	64.7	8,671	33,964	1,170,473	4,258,580	3.64
1916.....	2,134,911	1,448,782	67.9	38,934	17,975	1,469,741	6,049,412	4.12
1917.....	1,928,923	1,231,865	63.9	22,653	7,827	1,245,862	6,662,581	5.35
1918.....	1,983,242	1,258,284	63.4	7,826	15,366	1,250,744	11,035,195	8.82

## Annual Production of Coke.

Calendar Year.	Short Tons.	Value.	Average per Ton.	Calendar Year.	Short Tons.	Value.	Average per Ton.
1886.....	35,396	\$ 101,940	\$ 2.88	1903.....	561,318	\$ 1,734,404	\$ 3.09
1887.....	40,428	135,951	3.36	1904.....	554,083	2,032,048	3.66
1888.....	45,373	134,181	2.96	1905.....	700,488	2,436,211	3.48
1889.....	54,539	155,043	2.84	1906.....	782,055	2,863,503	3.66
1890.....	56,450	166,298	2.95	1907.....	842,003	3,583,468	4.26
1891.....	57,034	175,592	3.08	1908.....	858,257	3,449,301	4.02
1892.....	59,135	160,249	2.85	1909.....	862,011	3,484,393	4.04
1893.....	61,078	161,790	2.65	1910.....	902,715	3,462,872	3.84
1894.....	58,044	148,551	2.56	1911.....	935,651	3,630,410	3.88
1895.....	53,356	143,047	2.68	1912.....	1,411,229	5,164,331	3.66
1896.....	49,619	110,257	2.22	1913.....	1,530,499	5,919,596	3.87
1897.....	60,686	176,457	2.91	1914.....	1,023,860	3,658,514	3.55
1898.....	87,600	286,000	3.26	1915.....	1,170,473	4,258,580	3.64
1899.....	100,820	350,022	3.47	1916.....	1,469,741	6,049,412	4.12
1900.....	157,134	649,140	4.13	1917.....	1,245,862	6,662,581	5.35
1901.....	365,531	1,228,225	3.36	1918.....	1,250,744	11,035,195	8.82
1902.....	502,043	1,519,185	3.03				

## Annual Production of Coke by Provinces.

Calendar Year.	Nova Scotia.		Ontario.		Alberta.		British Columbia.	
	Short Tons.	Value.	Short Tons.	Value.	Short Tons.	Value.	Short Tons.	Value.
		\$		\$		\$		\$
1897	41,532	90,950					19,154	85,507
1898	48,400	111,000					39,200	175,000
1899	62,459	178,767					38,361	171,255
1900	61,767	223,395					95,367	425,745
1901	222,694	590,560					142,837	637,665
1902	363,330	899,930					138,713	619,255
1903	371,745	888,094					189,753	846,310
1904	276,927	808,022			20,984	78,936	257,172	1,148,090
1905	386,366	1,054,712			44,866	179,464	269,256	1,202,035
1906	476,364	1,540,976			69,486	268,042	236,205	1,054,485
1907	524,110	1,688,070			76,321	297,595	241,572	1,049,432
1908	505,929	1,658,151			75,645	309,019	276,683	1,432,191
1909	492,992	1,608,092			87,233	366,734	281,786	1,509,567
1910	508,058	1,655,775	24,685	148,110	121,578	486,312	248,394	1,172,675
1911	557,554	1,814,977	259,554	1,318,303	36,216	146,251	82,327	350,879
1912	625,918	1,840,129	379,854	1,709,343	105,684	424,027	299,773	1,190,832
1913	722,038	2,352,153	419,287	1,991,613	67,403	269,612	321,771	1,306,218
1914	343,289	1,118,614	386,314	1,352,099	29,059	116,236	255,198	1,071,565
1915	585,873	1,905,766	285,251	1,141,004	23,826	95,304	275,523	1,116,506
1916	654,433	2,617,732	472,507	2,008,155	41,950	167,800	300,851	1,255,725
1917	643,757	3,218,785	389,048	2,155,326	31,649	181,982	181,408	1,106,488
1918	580,433	5,966,609	425,087	3,300,127	32,654	213,884	212,570	1,554,675

## Annual Exports of Coke.

Calendar Year.	Short Tons.	Value.	Calendar Year.	Short Tons.	Value.
		\$			\$
1897	2,987	6,078	1908	58,708	248,759
1898	3,774	8,394	1909	74,067	329,051
1899	5,557	18,726	1910	57,971	250,715
1900	41,529	131,278	1911	9,852	39,823
1901	57,505	176,990	1912	57,744	252,763
1902	62,568	180,920	1913	68,235	308,410
1903	32,608	135,957	1914	67,838	306,117
1904	102,463	345,031	1915	35,869	160,053
1905	116,071	509,908	1916	48,539	221,334
1906	37,003	168,571	1917	23,595	137,318
1907	70,617	320,357	1918	29,612	223,629

## Annual Imports of Oven Coke.

Calendar Year.	Short Tons.	Value.	Calendar Year.	Short Tons.	Value.
		\$			\$
1907	624,649	2,206,084	1913	723,906	2,180,830
1908	426,971	1,135,125	1914	553,046	1,585,269
1909	661,425	1,508,627	1915	637,857	1,608,464
1910	737,088	1,908,725	1916	757,116	2,229,078
1911	751,389	1,843,248	1917	970,106	6,517,260
1912	628,174	1,702,856	1918	1,165,590	8,975,445

The Nova Scotia coke was made at Sydney and Sydney Mines, the ovens formerly operated at Westville being idle throughout the year.

In Ontario the production came from the Algoma Steel Corporation plant at Sault Ste. Marie.

In Alberta the coke oven plants at Lille and Passburg were idle, while the plant at Coleman was operated throughout the greater part of the year.

In British Columbia coke was made by the Crow's Nest Pass Coal Company at Fernie and Michel, and by the Canadian Collieries (Dunsmuir) Ltd., at Union Bay.

New by-product ovens were being installed at Anyox during the year.

The coke production of the eastern provinces is used almost entirely in the iron and steel industry, while that of the western provinces is used chiefly by the copper and lead smelters, finding a market in the United States as well as in Canada.

### Coke Oven By-products.

The coke oven plants of the Dominion Iron and Steel Company, at Sydney, and the Algoma Steel Corporation at Sault Ste. Marie, are by-product plants, and the recoveries of coke oven by-products in 1918 included 8,009,327 gallons of tar; 10,825 tons of sulphate of ammonia, together with important quantities of benzol, toluol, and solvent naphtha and naphthalene.

### Annual Production of Coke Oven By-Products.

Year.	Tar.	Sulphate of Ammonia.	Year.	Tar.	Sulphate of Ammonia
	Gallons.	Short Tons.		Gallons.	Short Tons.
1901.....	2,662,612	1,614	1910.....	3,963,591	3,491
1902.....	4,094,135	2,393	1911.....	6,464,155	7,124
1903.....	3,281,249	3,207	1912.....	8,423,896	11,239
1904.....	1,649,197	1,773	1913.....	8,371,600	10,608
1905.....	3,407,784	2,500	1914.....	5,714,172	8,572
1906.....	3,725,723	2,364	1915.....	7,365,931	10,448
1907.....	4,424,615	1,738	1916.....	9,012,202	11,040
1908.....	4,450,166	3,342	1917.....	8,277,078	9,941
1909.....	4,016,824	3,416	1918.....	8,009,327	10,825

The imports of sulphate of ammonia in 1918 were reported as 8,427 pounds, valued at \$1,273 as against imports in 1917 of 566,969 pounds valued at \$26,062; imports in 1916 of 239,096 pounds, valued at \$9,672; imports in 1915 of 503,158 pounds, valued at \$14,637; and imports in 1914 of 763,597 pounds valued at \$21,335.

Exports of sulphate of ammonia during the twelve months ending December 31, 1918, were 8,696 tons, valued at \$1,027,558.

The exports during previous years have not been separately recorded.



# Coal Production by Collieries in British Columbia, 1918.

(IN SHORT TONS.)

72307-3

Colliery.	Sold.				Used.		Production.	Lost in washing, etc.	Stocks.		Output.
	In Canada.	To United States.	To other coun- tries.	Total.	Making coke.	Under colliery boilers, etc.			First of year.	Last of year.	
1. Harwood.....	146,562	75,476	7,729	229,767	.....	8,710	238,477	16,912	6,201	6,813	256,001
No. 1 Mine.....	204,764	110,797	11,343	326,904	.....	66,417	393,321	13,968	1,158	38,155	444,286
Reserve.....	59,024	30,425	3,115	92,564	.....	20,850	113,414	4,144	1,611	3,519	119,466
2. East Wellington No. 1.(Jingle Pot).....	5,176	5,240	.....	10,416	.....	4,664	15,080	322	.....	676	16,078
3. Wellington Extension Mine, Ladysmith.	164,742	28,638	.....	193,380	76	17,742	211,198	61,231	997	4,050	275,482
Comox Mines, Cumberland.....	214,133	141,166	43,240	398,539	44,917	13,114	456,570	144,948	2,750	4,202	602,970
4. South Wellington Mines.....	37,283	40,627	.....	77,910	.....	20,777	98,687	18,508	25,109	459	92,545
5. Granby.....	13,899	.....	.....	13,899	.....	787	14,686	.....	.....	4,307	18,993
6. Grant.....	12,928	14,099	.....	27,027	.....	1,711	28,738	3,522	.....	.....	32,260
7. Michel.....	16,274	67,514	.....	83,788	126,539	20,854	231,181	.....	.....	.....	231,181
Coal Creek.....	35,764	240,642	.....	276,406	138,125	36,164	450,695	.....	72	136	450,759
8. Corbin.....	34,758	75,128	.....	109,886	.....	8,823	118,709	20,160	.....	.....	138,869
9. Middlesboro.....	106,448	.....	.....	106,448	.....	7,263	113,711	.....	140	175	113,746
10. Inland (Coal Hill).....	35,184	.....	.....	35,184	.....	2,317	37,501	515	.....	146	38,162
11. Princeton.....	22,653	11,730	.....	34,433	.....	7,200	41,633	1,752	167	95	43,313
12. Coalmont.....	2,890	1,454	.....	4,344	.....	.....	4,344	.....	.....	.....	4,344
13. Ashman.....	644	.....	.....	644	.....	.....	644	.....	.....	.....	644
	1,113,126	842,986	65,427	2,021,539	309,657	237,393	2,568,589	285,982	38,205	62,733	2,879,099

1. Canadian Western Fuel Company.
2. British Columbia Coal Mining Co.
3. Canadian Collieries (Dunsmuir), Ltd.
4. Pacific Coast Coal Mines, Ltd.
5. Granby Consolidated Mg., S., & Power Co. Ltd.

6. Nanoose Collieries, Ltd.
7. Crow's Nest Coal Co., Ltd.
8. Corbin Coal and Coke Co., Ltd.
9. Middlesboro Collieries, Ltd.

10. Fleming Coal Co., Ltd.
11. Princeton Coal and Land Co., Ltd.
12. Coalmont Collieries, Ltd.
13. Telkwa Collieries Co.

# Coal Production by Collieries in British Columbia, 1917.

(IN SHORT TONS.)

Colliery.	Sold.				Used.		Production.	Lost in washing, etc.	Stocks.		Output.
	In Canada.	To United States.	To other countries.	Total.	Making coke.	Under colliery boilers, etc.			First of year.	Last of year.	
1. Harwood.....	11,448	33,225	.....	44,673	.....	709	45,382	.....	.....	6,201	51,583
No. 1 Mine.....	184,919	263,489	.....	448,408	.....	59,302	507,710	.....	5,237	1,157	563,630
Reserve.....	73,509	71,832	.....	145,341	.....	16,100	161,441	.....	3,228	1,611	159,824
2. East Wellington No. 1.....	55,083	201	.....	55,284	.....	9,305	64,589	5,544	3,312	.....	66,821
3. Wellington Extension Mine, Lady-smith Comox Mines, Cumberland.....	153,002	61,097	12,552	226,651	1,120	21,103	248,874	75,731	1,484	997	324,118
	251,022	86,988	30,244	368,254	59,684	13,299	441,237	128,900	3,975	2,750	568,912
4. South Wellington Mines.....	77,601	48,959	.....	126,560	.....	22,793	149,353	19,372	1,151	1,039	168,613
5. Grant.....	17,853	10,917	.....	28,770	.....	845	29,615	.....	.....	.....	29,615
6. Michel.....	10,690	24,406	.....	35,096	89,718	17,601	142,415	.....	35	.....	142,415
Coal Creek.....	33,214	161,797	.....	195,011	128,068	39,268	362,347	.....	30	71	362,388
7. Corbin.....	38,537	66,746	.....	105,283	.....	7,911	113,194	.....	.....	.....	113,194
8. Middlesboro.....	88,372	.....	.....	88,372	.....	5,289	93,661	.....	327	140	93,474
9. Merritt.....	14,167	.....	.....	14,167	.....	793	14,960	.....	.....	.....	14,960
10. Inland.....	7,828	.....	.....	7,828	.....	701	8,529	448	213	.....	8,764
11. Princeton.....	28,775	15,471	.....	44,246	.....	6,835	50,581	1,738	13	252	52,558
	1,046,020	845,128	42,796	1,933,944	278,590	221,354	2,433,838	231,733	20,160	15,373	2,660,834

1. Western Fuel Company.
2. British Columbia Coal Mining Co.
3. Canadian Collieries (Dunsmuir), Ltd.
4. Pacific Coast Coal Mines, Ltd.

5. Nanoose Collieries, Ltd.
6. Crow's Nest Pass Coal Co., Ltd.
7. Corbin Coal and Coke Co., Ltd.
8. Middlesboro Collieries, Ltd.

9. Merritt Collieries, Ltd., (formerly Diamond Vale).
10. Inland Coal and Coke Co., Ltd.
11. Princeton Coal and Land Co., Ltd.

## Annual Production of Coal in British Columbia.

Calendar Year.	Output.	Home consumption.	Sold for export.	Production *.		Price per long ton.	Value.
				Long tons.	Short tons.		
						\$ cts.	\$.
1836 to 1873 .....	480,785				538,480	4 00	1,923,140
1874.....	81,547	25,023	56,038	81,061	90,788	3 00	243,183
1875.....	110,145	31,252	66,392	97,644	109,361	3 00	292,932
1876.....	139,192	17,856	122,329	140,185	157,007	3 00	420,555
1877.....	154,052	24,311	115,381	139,692	156,455	3 00	419,076
1878.....	170,846	26,166	164,682	190,848	213,750	3 00	572,544
1879.....	241,301	40,294	192,096	232,390	260,277	3 00	697,170
1880.....	267,595	46,513	225,849	272,362	305,045	3 00	817,086
-1881.....	228,357	40,191	189,323	229,514	257,056	3 00	688,542
1882.....	282,139	56,161	232,411	288,572	323,201	3 00	865,716
1883.....	213,299	64,786	149,567	214,353	240,075	3 00	643,059
1884.....	394,070	87,388	306,478	393,866	441,130	3 00	1,181,598
1885.....	365,596	95,227	237,797	333,024	372,987	3 00	999,072
1886.....	326,636	85,987	249,205	335,192	375,415	3 00	1,005,576
1887.....	413,360	99,216	334,339	434,055	486,142	3 00	1,302,165
1888.....	489,301	115,953	365,714	481,667	539,467	3 00	1,445,001
1889.....	579,830	124,574	443,675	568,249	636,439	3 00	1,704,747
1890.....	678,140	177,075	508,270	685,345	767,586	3 00	2,056,035
1891.....	1,029,097	202,697	806,479	1,009,176	1,130,277	3 00	3,027,528
1892.....	826,335	196,223	640,579	836,802	937,218	3 00	2,510,406
1893.....	978,294	207,851	768,917	976,768	1,093,980	3 00	2,930,304
1894.....	1,012,953	165,776	827,642	993,418	1,112,628	3 00	2,980,254
1895.....	939,654	188,349	756,334	944,653	1,058,045	3 00	2,834,049
1896.....	894,822	261,984	634,238	896,222	1,003,769	3 00	2,688,666
1897.....	802,296	290,310	619,860	910,170	1,019,390	3 00	2,730,510
1898.....	1,136,485	375,423	752,863	1,128,286	1,263,680	3 00	3,334,858
1899.....	1,306,324	526,058	751,711	1,277,769	1,431,101	3 00	3,833,307
1900.....	1,590,178	685,667	914,184	1,599,851	1,791,833	3 00	4,799,553
1901.....	1,691,557	799,666	914,163	1,713,829	1,919,488	3 00	5,141,487
1902.....	1,641,626	837,871	776,809	1,614,680	1,808,441	3 00	4,844,040
1903.....	1,450,663	947,499	549,419	1,496,948	1,676,581	3 00	4,490,844
1904.....	1,635,698	1,129,465	533,593	1,663,058	1,862,625	3 00	4,989,174
1905.....	1,736,696	1,089,667	647,343	1,737,010	1,945,452	3 00	5,211,030
1906.....	1,899,076	1,236,476	679,829	1,916,305	2,146,262	3 00	5,748,915
1907.....	2,219,602	1,438,402	673,114	2,111,516	2,364,893	3 50	7,390,306
1908.....	2,111,931	1,486,511	597,157	2,083,668	2,333,708	3 50	7,292,838
1909.....	2,388,196	1,585,232	741,667	2,326,899	2,606,127	3 50	8,144,147
1910.....	3,152,207	1,798,873	1,175,007	2,973,880	3,330,745	3 50	10,408,580
1911.....	2,304,794	1,657,422	612,696	2,270,118	2,542,532	3 50	7,945,413
1912.....	2,857,345	1,898,213	966,963	2,865,176	3,208,997	3 50	10,028,116
1913.....	2,537,357	1,799,643	623,946	2,423,589	2,714,420	3 50	8,482,562
1914.....	2,182,164	1,307,036	602,785	1,999,821	2,239,799	3 50	6,999,374
1915.....	1,962,817	1,191,219	653,078	1,844,297	2,065,613	3 50	6,455,041
1916.....	2,487,012	1,463,152	844,045	2,307,197	2,584,061	3 50	8,075,190
1917.....	2,375,745	1,380,325	792,789	2,173,114	2,433,888	3 79	8,235,716
1918.....	2,570,624	1,482,300	811,083	2,293,383	2,568,589	5 01	11,494,681
Total.....				53,986,435	60,464,808		180,374,086

\* This production is obtained by adding "Home Consumption" and "Sold for Export."

† 52,985 tons of this amount were exported as sales without the division into "Home Consumption" and "Sold for Export."

## Yukon.

Coal production in the Yukon in 1918 was reported as 2,900 tons, all the product of the Tantalus mine of the Five Fingers Coal Company, near Whitehorse.

## Annual Production of Coal in Yukon Territory.

Calendar year.	Short tons	Value.	Average per ton.	Calendar year.	Short tons	Value.	Average per ton.
		\$	\$ cts.			\$	\$ cts.
1901 .....	*5,864	86,230	14 70	1911 .....	2,840	12,780	4 50
1902 .....	4,910	37,280	7 59	1912 .....	9,245	44,958	4 86
1903 .....	1,849	29,584	16 00	1913 .....	19,722	95,945	4 86
1904 .....				1914 .....	13,443	53,760	4 00
1905 .....	7,000	21,000	3 00	1915 .....	9,724	38,896	4 00
1906 .....	7,000	28,000	4 00	1916 .....	3,300	13,200	4 00
1907 .....	15,000	60,000	4 00	1917 .....	4,872	20,232	4 16
1908 .....	3,847	21,158	5 50	1918 .....	2,900	11,600	4 00
1909 .....	7,364	49,502	6 72				
1910 .....	16,185	110,925	6 85	Total .....	135,065	744,050	

\* Part of this production was mined in 1900.

† Value not reported, but estimated.

## COKE.

The accompanying statistics cover only the production of coke in by-product and beehive coke oven plants and do not include retort coke recovered by gas companies.

Both domestic and imported coal are used in the manufacture of coke in Canadian coke oven plants:

In 1918, 1,348,232 tons of domestic coal, and 635,010 tons of imported coal were charged to coke ovens, from which was obtained an output of 1,258,284 tons of coke, thus averaging 0.634 tons of coke per ton of coal charged. Coke from by-product ovens comprised 70 per cent of the total.

In 1917, 1,379,038 tons of domestic, and 549,885 tons of imported coal were charged to coke ovens, from which was obtained an output of 1,231,865 tons of coke, thus averaging 0.639 tons of coke per ton of coal charged. Coke from by-product ovens comprised 74 per cent of the total.

The amount of coke sold, or used by producers, in 1918, was 1,250,744 tons as compared with 1,245,862 tons in 1917, a slight increase.

In addition to the tonnage sold or used by producers, there were imported during 1918, 1,165,590 tons of coke, while the exports totalled 29,612 tons. The Canadian consumption in 1918, was therefore, 2,386,722 tons, an increase of 194,349 tons over the estimated consumption in 1917. The consumption of oven coke during recent years has been as follows: 1,285,228 tons in 1908; 1,449,369 tons in 1909; 1,581,832 tons in 1910; 1,677,188 tons in 1911; 1,981,832 tons in 1912; 2,186,170 tons in 1913; 1,509,068 tons in 1914; 1,772,461 tons in 1915; 2,178,818 tons in 1916; and 2,192,373 tons in 1917.

### Coke Production, 1918.

(IN SHORT TONS.)

Province	Coal charged to ovens.	Coke output.	Stock on hand.		Coke sold or used.	Per cent of total production.	Value of coke sold or used.
			Jan. 1.	Dec. 31.			
Nova Scotia.....	985,113	581,870	1,597	3,034	580,433	46.41	\$ 5,966,609
Ontario.....	* 635,010	431,970	2,424	9,307	425,087	33.99	3,300,127
Alberta.....	53,462	32,801	505	652	32,654	2.61	213,884
British Columbia	309,657	211,643	3,300	2,373	212,570	16.99	1,554,575
Total.....	1,983,242	1,258,284	7,826	15,366	1,250,744	100.00	\$ 11,035,195

\* All imported coal.

### Coke Production, 1917.

(IN SHORT TONS.)

Province.	Coal charged to ovens.	Coke output.	Stock on hand.		Coke sold or used.	Per cent of total production.	Value of coke sold or used.
			Jan. 1.	Dec. 31.			
Nova Scotia.....	1,046,279	645,069	1,114	1,597	643,757	51.67	\$ 3,218,785
Ontario.....	* 549,585	375,014	16,458	2,424	389,048	31.23	2,155,326
Alberta.....	51,905	31,196	959	506	31,649	2.54	181,982
British Columbia.	280,854	180,586	4,122	3,300	181,408	14.56	1,106,488
Total.....	1,928,923	1,231,865	22,653	7,827	1,245,862	100.00	\$ 6,662,581

\* All imported coal.

## Distribution of Coke Production, 1918.

(IN SHORT TONS.)

	Nova Scotia.	Ontario.	Alberta.	British Columbia.	Total.
Sold in Canada.....	5,155	1,107	32,552	192,949	231,763
Sold for export.....			102	19,492	19,594
Total sales.....	5,155	1,107	32,654	212,441	251,357
Used by maker in blast furnace or other- wise.....	575,278	423,980		129	999,387
Total sold or used.....	580,433	425,087	32,654	212,570	1,250,744
Number of ovens in operation Dec. 31...	694	215		731	1,640
Number of ovens idle Dec. 31.....	176		216	619	1,041

## Coke Production.

(IN SHORT TONS.)

Year.	Coal charged to ovens.	Coke output.	% Recov- ery per charge.	Stock on hand.		Coke sold or used.	Value of coke sold or used.	Average price.
				Jan. 1.	Dec. 31.			
1910.....	1,373,793	901,269	65.6	19,216	17,770	902,715	\$3,462,872	\$3.84
1911.....	1,409,844	954,388	67.7	17,826	36,560	935,651	3,630,410	3.88
1912.....	2,053,807	1,406,023	68.5	39,073	33,872	1,411,229	5,164,331	3.66
1913.....	2,247,913	1,517,133	67.5	33,926	20,560	1,530,499	5,919,596	3.87
1914.....	1,541,547	1,015,253	65.9	20,634	12,027	1,023,860	3,658,514	3.55
1915.....	1,856,393	1,200,766	64.7	8,671	38,964	1,170,473	4,258,580	3.64
1916.....	2,134,911	1,448,782	67.9	38,934	17,975	1,469,741	6,049,412	4.12
1917.....	1,928,923	1,231,865	63.9	22,653	7,827	1,245,862	6,662,581	5.35
1918.....	1,983,242	1,258,284	63.4	7,826	15,366	1,250,744	11,035,195	8.82

## Annual Production of Coke.

Calendar Year.	Short Tons.	Value.	Average per Ton.	Calendar Year.	Short Tons.	Value.	Average per Ton.
1886.....	35,396	\$ 101,940	\$ 2.88	1903.....	561,318	\$ 1,734,404	\$ 3.09
1887.....	40,428	135,951	3.36	1904.....	554,033	2,032,048	3.66
1888.....	45,373	134,181	2.96	1905.....	700,488	2,436,211	3.48
1889.....	54,539	155,043	2.84	1906.....	782,055	2,863,503	3.66
1890.....	56,450	166,298	2.95	1907.....	842,003	3,583,468	4.26
1891.....	57,084	175,592	3.08	1908.....	858,257	3,449,361	4.02
1892.....	56,135	160,249	2.85	1909.....	862,011	3,484,393	4.04
1893.....	61,078	161,790	2.65	1910.....	902,715	3,462,872	3.84
1894.....	58,044	148,551	2.56	1911.....	935,651	3,630,410	3.88
1895.....	53,356	143,047	2.68	1912.....	1,411,229	5,164,331	3.66
1896.....	49,619	110,257	2.22	1913.....	1,530,499	5,919,596	3.87
1897.....	60,686	176,457	2.91	1914.....	1,023,860	3,658,514	3.55
1898.....	87,600	236,000	3.26	1915.....	1,170,473	4,258,580	3.64
1899.....	100,820	350,022	3.47	1916.....	1,469,741	6,049,412	4.12
1900.....	157,134	649,140	4.13	1917.....	1,245,862	6,662,581	5.35
1901.....	365,531	1,228,225	3.36	1918.....	1,250,744	11,035,195	8.82
1902.....	502,043	1,519,185	3.03				

## Annual Production of Coke by Provinces.

Calendar Year.	Nova Scotia.		Ontario.		Alberta.		British Columbia.	
	Short Tons.	Value.	Short Tons.	Value.	Short Tons.	Value.	Short Tons.	Value.
		\$		\$		\$		\$
1897	41,532	90,950					19,154	85,507
1898	48,400	111,000					39,200	175,000
1899	62,459	178,767					38,361	171,255
1900	61,767	223,395					95,367	425,745
1901	222,694	590,560					142,837	637,665
1902	363,330	899,930					138,713	619,255
1903	371,745	888,094					189,753	846,310
1904	275,927	808,022			20,984	78,936	257,172	1,148,090
1905	386,366	1,054,712			44,866	179,464	269,256	1,202,035
1906	476,364	1,540,976			69,486	268,042	236,205	1,054,485
1907	524,110	1,688,070			76,321	297,595	241,572	1,049,432
1908	505,929	1,658,151			75,645	309,019	276,683	1,482,191
1909	492,992	1,608,092			87,233	366,734	281,786	1,509,567
1910	508,058	1,655,775	24,085	148,110	121,578	486,312	248,394	1,172,675
1911	557,554	1,814,977	259,554	1,318,303	36,216	146,251	82,327	350,879
1912	625,918	1,840,129	379,854	1,709,343	105,684	424,027	299,773	1,190,832
1913	722,038	2,352,153	419,237	1,991,613	67,403	269,612	321,771	1,306,218
1914	343,289	1,118,614	386,314	1,352,099	29,059	116,236	265,198	1,071,565
1915	585,873	1,905,766	285,251	1,141,004	23,826	95,804	275,523	1,116,506
1916	654,433	2,617,732	472,507	2,008,155	41,950	167,800	300,851	1,255,725
1917	643,757	3,218,785	389,048	2,155,323	31,649	131,982	181,408	1,106,488
1918	580,433	5,966,609	425,037	3,300,127	32,654	213,884	212,570	1,554,575

## Annual Exports of Coke.

Calendar Year.	Short Tons.	Value.	Calendar Year.	Short Tons.	Value.
		\$			\$
1897	2,987	6,078	1908	58,708	248,759
1898	3,774	8,394	1909	74,067	329,051
1899	5,557	18,726	1910	57,971	250,715
1900	41,529	131,278	1911	9,852	39,923
1901	57,505	176,990	1912	57,744	252,763
1902	62,568	180,920	1913	68,235	308,410
1903	32,608	135,957	1914	67,838	306,117
1904	102,463	345,631	1915	35,869	160,053
1905	116,071	509,908	1916	48,539	221,334
1906	37,003	168,571	1917	23,595	137,318
1907	70,617	320,357	1918	29,612	223,629

## Annual Imports of Oven Coke.

Calendar Year.	Short Tons.	Value.	Calendar Year.	Short Tons.	Value.
		\$			\$
1907	624,649	2,206,084	1913	723,906	2,180,830
1908	426,971	1,135,125	1914	553,046	1,585,259
1909	661,425	1,508,627	1915	637,857	1,608,464
1910	737,088	1,908,725	1916	757,116	2,229,078
1911	751,389	1,843,248	1917	970,106	6,517,260
1912	628,174	1,702,856	1918	1,165,590	8,975,445

The Nova Scotia coke was made at Sydney and Sydney Mines, the ovens formerly operated at Westville being idle throughout the year.

In Ontario the production came from the Algoma Steel Corporation plant at Sault Ste. Marie.

In Alberta the coke oven plants at Lille and Passburg were idle, while the plant at Coleman was operated throughout the greater part of the year.

In British Columbia coke was made by the Crow's Nest Pass Coal Company at Fernie and Michel, and by the Canadian Collieries (Dunsmuir) Ltd., at Union Bay.

New by-product ovens were being installed at Anyox during the year.

The coke production of the eastern provinces is used almost entirely in the iron and steel industry, while that of the western provinces is used chiefly by the copper and lead smelters, finding a market in the United States as well as in Canada.

### Coke Oven By-products.

The coke oven plants of the Dominion Iron and Steel Company, at Sydney, and the Algoma Steel Corporation at Sault Ste. Marie, are by-product plants, and the recoveries of coke oven by-products in 1918 included 8,009,327 gallons of tar; 10,825 tons of sulphate of ammonia, together with important quantities of benzol, toluol, and solvent naphtha and naphthalene.

### Annual Production of Coke Oven By-Products.

Year.	Tar.	Sulphate of Ammonia.	Year.	Tar.	Sulphate of Ammonia.
	Gallons.	Short Tons.		Gallons.	Short Tons.
1901.....	2,662,612	1,614	1910.....	3,963,591	3,491
1902.....	4,094,135	2,393	1911.....	6,464,155	7,124
1903.....	3,281,249	3,207	1912.....	8,428,896	11,289
1904.....	1,649,197	1,773	1913.....	8,371,600	10,608
1905.....	3,407,784	2,500	1914.....	5,714,172	8,572
1906.....	3,725,723	3,364	1915.....	7,365,931	10,448
1907.....	4,424,615	1,738	1916.....	9,012,202	11,040
1908.....	4,450,166	3,342	1917.....	8,277,078	9,941
1909.....	4,016,824	3,416	1918.....	8,009,327	10,825

The imports of sulphate of ammonia in 1918 were reported as 8,427 pounds, valued at \$1,273 as against imports in 1917 of 566,969 pounds valued at \$26,062; imports in 1916 of 239,096 pounds, valued at \$9,672; imports in 1915 of 503,158 pounds, valued at \$14,637; and imports in 1914 of 763,597 pounds valued at \$21,335.

Exports of sulphate of ammonia during the twelve months ending December 31, 1918, were 8,696 tons, valued at \$1,027,558.

The exports during previous years have not been separately recorded.