### CANADA

### DEPARTMENT OF MINES

HON. MARTIN BURRELL, MINISTER; R. G. McCONNELL, DEPUTY MINISTER

### MINES BRANCH

EUGENE HAANEL, PH.D., DIRECTOR

### THE

# PRODUCTION OF COAL AND COKE

IN

### **CANADA**

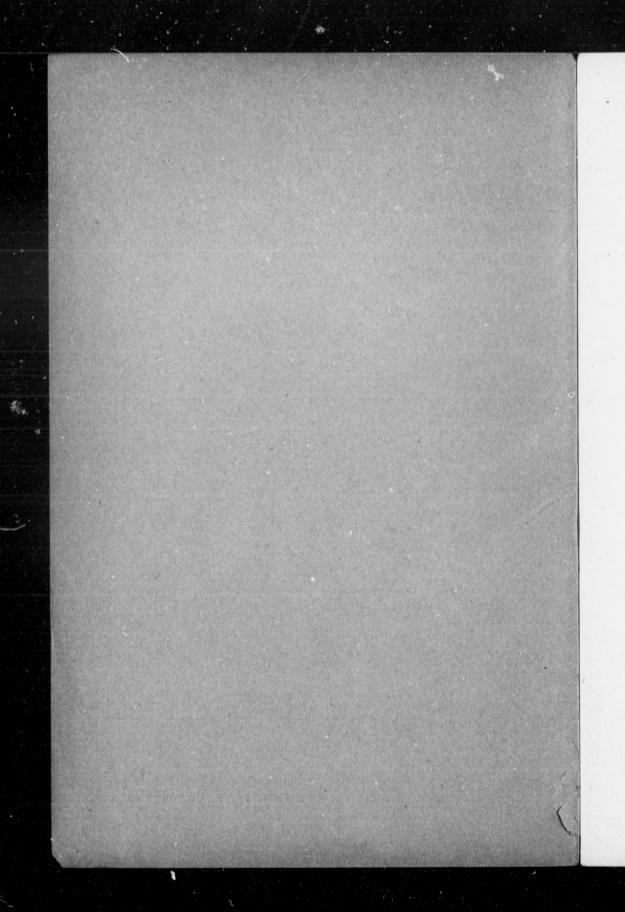
During the Calendar Year 1917

John McLeish, B.A.

Chief of the Division of Mineral Resources and Statistics.



OTTAWA J. DE LABROQUERIE TACHÉ PRINTER TO THE KING'S MOST EXCELLENT MAJESTY 1919



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No. 501.

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ADVANCE CHAPTER OF THE ANNUAL REPORT ON THE MINERAL PRODUCTION OF CANADA DURING THE CALENDAR YEAR 1917.

(Tons used throughout this report are short tons of 2,000 pounds, except where otherwise stated.)

 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 1917 was 14,046,759 short tons (12,541,749 long tons), valued at \$43,199,831, or an average of \$3.08 per ton, as compared with a production in 1916 of 14,483,395 short tons (12,931,603 long tons), valued at \$38,817,841, or an average of \$2.68 per ton, a falling off in production in 1917 of 436,636 tons, or a little over 3 per cent.

The average number of men employed during 1917 was 24,596, and total wages paid \$25,963,520, as compared with an average of 23,611 men employed in 1916 and

\$20,884,236 paid in wages.

The values of the production in 1917 have, for all provinces been furnished directly by the operators. In 1916 and previous years, 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 1917 about 14 million tons of coal, of which 1.7 million tons were exported, and imported 15.5 million tons of bituminous coal and 5.3 million tons of anthracite. During the previous year, 1916, we produced in round numbers 14.5 million tons, exported 1.7 million tons, and imported 13 million tons of bituminous coal, and 4.5 million tons of anthracite, thus, while production

fell off, the imports were considerably increased.

The total consumption of coal in 1917 was 33,123,735 tons, as compared with 29,865,856 tons in 1916, and 23,906,692 tons in 1915.

### Production of Coal by Provinces, 1917.

Province.	Average	W	Prod	Per cent of total		
	No. of men employed.	Wages paid.	Short tons,	Value.	Average per ton.	quan- tity.
		8		\$	8	
Nova Scotia New Brunswick	10,283 390	10,406,170 375,379	6,327,091 189,095	19,410,737 708,010	3 068	45.04
Saskatchewan	434	318,980	355,445 .	662,451	1 86	2.58
Alberta British Columbia	8,350 5,126	8,906,315 5,945,176	4,736,368 2,433,888	14,153,685	2 99 3 383	33.72
Yukon Territory		11,500	4,872	29,232	6 00	0.05
Total	24,596	25,963,520	14,046,759	43,199,831	3 08	100.00

### Production of Coal by Provinces, 1916.

Province.	Average		Prod		Per cent of total	
	No. of men employed.	Wages paid.	Short tons.	Value.	Average per ton.	quan- tity.
Nova Scotia New Brunswick Saskatchewan Alberta. British Columbia. Yukon Territory.	327 409 7,060 4,949	\$ 8,161,297 212,332 234,986 6,813,209 5,454,912 7,500	6,912,140 143,540 281,300 4,559,054 2,584,061 3,300	\$ 18,514,662 386,016 441,836 11,386,577 8,075,190 13,200	\$ 2 68 2 69 1 57 2 50 3 12½ 4 00	47 · 73 0 · 99 1 · 94 31 · 48 17 · 84 0 · 02
Total	23,611	20,884,236	14,483,395	38,817,481	2 68	100.00

### Comparison of Production, 1915 with 1916, and 1916 with 1917.

	(i) Increase or (d) Decrease.						
Province.	Years 1915 an	id 1916.	Years 1916 and 1917.				
Nova Scotia New Brunswick Saskatchewan Alberta, British Columbia, Yukon Territory,	Short tons. (d) 551,230 (i) 16,149 (i) 41,193 (i) 1,198,236 (i) 518,448 (d) 6,424	p. c. 7 · 39 12 · 68 17 · 16 35 · 65 25 · 10 66 · 06	Short tons.  (d) 585,049 (i) 45,555 (i) 74,145 (i) 177,314 (d) 150,173 (i) 1,572	p. c. 8 · 46 31 · 74 26 · 39 3 · 89 5 · 81 47 · 64			
Total for Canada	(i) 1,216,372	9:17	(d) 436,636	3.01			

It will be noted that the Provinces of Nova Scotia and British Columbia each showed a smaller production than the previous year, whereas in New Brunswick, Saskatchewan and Alberta, an increase is shown, the net result being a total falling off amounting to 436,636 tons.

The total production in 1917 includes 108,225 tons of anthracite, or less than 1 per cent of the total; 11,154,251 tons of bituminous, or 79 per cent of the total, and 2,784,283 tons of lignite, or nearly 20 per cent of the total.

The consumption of coal during the year includes approximately 5,428,423 tons of anthracite; 24,911,029 tons of bituminous, and 2,784,283 tons of lignite.

The total output, production and distribution of coal mined by provinces during 1916 and 1917 is shown in the following tables:—

### Production and Distribution of Coal Mined, by Provinces, 1917.

(IN SHORT TONS.)

	Nova Scotia.	New Bruns- wick.	Sas- katchewan	Alberta.	Yukon.	British Columbia.	Total.
Sold in Canada	4,681,709 353,142	171,309 13,372	334,625	4,231,325 90,239	4,480	1,046,020 845,128	10,469,468 1,301,881
countries	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 making coke, steel, brick, etc Used by producers for col-	306,374		3,000	102,609		278,590	690,573
liery consumption and by workmen	727,602	4,414	17,820	312,195	392	221,354	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 " Dec. 31	47,904 49,777					20,160 15,373	
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

<sup>\*</sup> Production is obtained by adding coal sold and coal used.

# Production and Distribution of Coal Mined, by Provinces, 1916. (IN SHORT TONS.)

	Nova Scotia.	New Brunswick	Saskatch- ewan.	Alberta.	Yukon.	British Columbia.	Total.
Sold in Canada	5, 226, 902 446, 038			4,113,403 60,164			10,701,530 1,451,075
countries	277,607					6,906	284,513
Total sales	5,950,547	140,406	265,506	4,173,567	3,000	1,904,092	12,437,118
Used by producers in mak- ing coke, steel, brick, etc. Used by producers for col-	285,892		1,750	67,106		450,066	804,814
liery consumption and by workmen	675,701	3,134	14,044	318,381	300	229,903	1,241,463
Total used	961,593	3,134	15,794	385,487	300	679,969	2,046,277
Production*	6,912,140	143,540	281,300	4,559,954	3,300	2,584,061	14, 483, 395
Stock on hand Jan. 1 Stock on hand Dec 31	85,750 48,477					36,521 15,960	132,229 78,702
Difference Losses due to breakage or	- 37,273	+ 58	+ 29	+ 4,220		- 20,561	- 53,527
other causes	37,128	60	12,935	113,759		221,953	385,835
Total output	6,911,995	143,658	294,264	4,677,033	3,300	2,785,453	14,815,703

<sup>\*</sup>Production is obtained by adding coal sold and coal used.

### Distribution of Coal Mined during the Years 1912-13-14-15.

(IN SHORT TONS.)

	1912.	1913.	1914.	1915.
Sold in Canada	10,572,365 1,537,585 314,410	11,381,960 1,255,401 263,189	10,359,390 1,181,536 239,927	9,826,712 1,330,718 297,343
Total sales Used by producers for the manufacture of coke by colliery consumption, and workmen	12,424,360 870,885 1,217,584	12,900,550 914,421 1,197,207	11,780,853 591,331 1,265,345	11,454,773 701,975 1,110,275
Production	14,512,829	15,012,178	13,637,529	13, 267, 023
Stock on hand Jan. 1.  Dec. 31.  Difference  Loss due to washing, breakage, or other causes.	314,742 282,069 - 32,673 167,291	$385,456 \\ 500,477 \\ + 115,021 \\ 405,679$	$\begin{array}{r} 325,275 \\ 242,152 \\ -83,123 \\ 434,337 \end{array}$	270, 499 171, 205 - 99, 294 312, 467
Total output	14,647,447	15,532,878	13,988,743	13,480,196

A record of the monthly production of coal by provinces is given in the following tables which shows the decreased production in Alberta and British Columbia during the months of April, May, and June due to the strikes that took place in what is known as District No. 18, during those months.

The production in Nova Scotia, New Brunswick, British Columbia, and the Yukon is all bituminous coal, that of Saskatchewan 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 1918 is also given hereunder.

### Monthly Production of Coal in Canada by Provinces, 1917.

Month.	Nova Scotia.	New Brunswick.	Saskat- chewan.	Alberta.	British Columbia.	Total.
January	533,111	17,144	37,693	492,958	188,552	1,269,458
February		16,634	27,890	448,664	209,894	1,171,671
March		17,351	$22,932 \\ 13,471$	453,175 210,284	242,452 $161,307$	1,221,774 890,789
April	490,764 505,008	14,963 13,700	18,051	100,199	159,706	796,664
May	MON 18 1	13,881	21,688	103,243	154,280	878,546
June		14,832	20,380	357.314	192,976	1.161,169
July August		14,514	27,255	490,760	214,431	1,347,934
September		15,120	27,642	457,892	211,518	1,257,576
October		16,697	40,063	543,193	232,271	1,410,796
November		16,629	51,622	592,083	240,156	1,438,509
December	429,409	17,630	46,758	486,603	226,345	1,206,745
Total	6,327,091	189,095	355,445	4,736,368	2,433,888	14,046,759

<sup>\*</sup>Includes 4,872 tons produced in the Yukon district.

### Production of Coal in Canada by Provinces, 1918.

(IN SHORT TONS.)

Month.	Nova Scotia.	New Brunswick.	Saskat- chewan.	Alberta.	British Columbia.	Canada.
January February March April May June	438,735 444,571 465,889 476,303 487,148 491,969	23,846 21,997 25,231 22,450 23,467 23,626 18,729	38,049 40,905 17,130 15,831 21,713 23,366 29,119	615, 942 467, 562 424, 288 384, 909 417, 795 500, 601 549, 029	242,767 216,657 227,472 223,360 227,361 230,150 227,466	1,429,877 1,185,856 1,138,692 1,112,433 1,166,633 1,264,89 1,316,311
August September October.	497,150	28,455 24,128	24,159 25,468	556,348 534,242	231,268 147,689	1,359,02 1,228,67
	497,150				231, 268 147, 689	

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 1917, has been 268,499,334 tons: of this amount Nova Scotia is credited with 166,000,110 tons, or 61.8 per cent of the total; British Columbia 57,896,219 tons, or 21.6 per cent; Alberta 40,135,141 tons, or 15 per cent; Saskatchewan 3,179,571 tons, or 1.2 per cent; New Brunswick 1,156,128 tons, or 0.4 per cent, and the Yukon Territory 132,165 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	8 1 72	1900	5,777,319	\$ 13,742,178	\$ 2 38
1881	1,537,106	2,688,621	1 75	1901	6,486,325	12,699,243	1 96
1882	1,848,148	3,248,446	1 76	1902	7,466,681	15,210,877	2 04
1883	1,818,684	3,109,635	1 71	1903	7,960,364	15,942,833	2 00
1884	1,984,959	3,593,831	1 81	1904	8,254,595	16,592,231	2 01
1885	1,920,977	3,417,807	1 78	1905	8,667,948	17,520,263	2 02
1886	2,116,653	3,739,840	1 77	1906	9,762,601	19,732,019	2 02
1887	2,429,330	4,388,206	1 81	1907	10,511,426	24,381,842	2 32
1888	2,602,552	4,674,140	1 80	1908	10,886,311	25,194,573	2 31
1889	2,658,303	4,894,287	1 84	1009	10,501,475	24,781,236	2 36
1890,	3,084,682	5,676,247	1 84	1910	12,909,152	30,909,779	2 39
1891	3,577,749	7,019,425	1 96	1911	11,323,388	26,467,646	2 34
1892	3,287,745	6,363,757	1 94	1912	14,512,829	36,019,044	2 48
1893,		7,359,080	1 95	1913	15.012,178	37,334,940	2 49 2 45
1894	3,847,070	7,429,468	1 93	1914	13,637,529	33,471,801	
1895	3,478,344	6,739,153	1 94	1915	13,267,023	32,111,182	2 42
1896	3,745,716	7,226,462	1 93	1916	14,483,395	38,817,481	2 68
1897	3,786,107	7,303,597	1 93	1917	14,046,759	43,199,831	3 08
1898	4,173,108	8,224,288	1 97	The Asset of			
1899	4,925,051	10,283,497	2 09	Grand total	268,499,334	599,699,304	2 23

### Exports of Canadian Coal.

Statistics of the exports of coal according to the records of the Department of Customs are given in the following tables. The exports of Canadian coal in 1917 were 1,733,156 tons valued at \$7,387,192, or an average of \$4.26 per ton, as compared with exports in 1916 of 2,135,359 tons, valued at \$7,099,387, or an average of \$3.32 per ton. Besides Canadian coal exported there is also a small export of coal not the produce of Canada.

### Annual Export of Coal.

(IN SHORT TONS.)

Calendar year.	Produce of Canada.	Not the produce of Canada.	Calendar year.	Produce of Canada.	Not the produ <b>c</b> e of Canada.
1908 1909 1910 1911 1912	1,729,833 1,588,099 2,377,049 1,500,639 2,127,133	161,098 159,859 133,943	1913 1914 1915 1916 1917	1,562,020 1,423,126 1,766,543 2,135,359 1,733,156	66,566 83,137 59,690 62,783 47,328

### Imports of Coal.

The total imports of coal of all classes in 1917 "entered for consumption" as per the published reports of the Department of Customs, were 20,857,460 tons valued at \$70,562,357, as compared with the total imports in 1916 of 17,580,603 tons valued at \$30,289,666.

Imports of coal into Canada are subdivided into three classes as follows: Anthracite, including anthracite dust; bitumimous, round and run-of-mine; and bituminous slack such as will pass through a \( \frac{1}{2} \)-inch screen.

The imports of anthracite in 1917 were 5,320,198 tons valued at \$28,109,586 or an average of \$5.28 per ton, exceeding by 749,383 tons, or 16.4 per cent the imports in 1916, which were 4,570,815 tons valued at \$22,216,363 or an average of \$4.86 per ton. The imports of bituminous coal of all classes were 15,537,262 tons valued at \$42,452,771, as against imports of 13,009,788 tons valued at \$16,073,303 in 1916. The increase in bituminous imports of 1917 over those of 1916, was thus 2,527,474 tons, or over 19 per cent.

The bituminous imports in 1917 included: bituminous, round, and run-of-mine, 12,407,486 tons valued at \$33,712,894, or an average of \$2.72 per ton, and bituminous slack, 3,129,776 tons, valued at \$8,739,877, or an average of \$2.79 per ton. The value per ton of the imports during 1916 of bituminous, round, and run-of-mine coal averaged \$1.30 per ton and of bituminous slack \$1.06 per ton. There was, therefore, not only a very large increase in the imports of coal but the average price was more than double that of the previous year.

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, 1917, of 18,206,727 short tons, as against 13,260,181 tons in 1916; 9,356,889 tons in 1915; 10,271,409 tons in 1914, and 15,115,733 tons in 1913.

### Annual Imports of Coal.

Calendar Year.	Bituminous round and run of the mine $(a)$ .		Anthracite anthracite		Bituminous slack such as will pass through 3" screen (c).		
Calendar 1 ear.	Short tons.	Value.	Short tons.	Value.	Short tons.	Value.	
907 908 909 910	5,625,093	13,232,445 12,516,748 11,455,818 11,919,341	3,160,110 3,017,844	14,506,129 14,478,536 13,906,152 14,735,062	1,111,811 1,230,017 1,365,281	1,121,949 1,355,677 1,469,889 1,795,598	
911 912 913 914	8,905,815 8,491,840 10,743,473 7,776,415	18,407,603 16,846,727 21,756,658 14,954,321 7,564,369	4,184,017 4,642,057 4,435,010	18,794,192 20,080,388 22,034,839 21,241,924 18,753,980	1,919,953 2,816,423 2,509,632	2,090,796 2,550,925 4,157,625 3,605,255 2,027,256	
915 946 917	9,504,552	12,368,679 33,712,894	4,570,815	22,216,363 28,109,586	3,505,236	3,704,62 8,739,87	

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

In view of the attention being given at the present time to the importance of imports of coal to Canada, additional tables have been introduced as follows: Showing the monthly imports of bituminous and anthracite coal since 1913, such figures as are available for the first few months of 1918 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.\*

	1913.	1914.	1915.	1916.	1917.	1918.
January	827,428	917,558	547.772	1,124,918	1,031,719	1,134,493
February	861,813	851,591	653,016	942,811	760,545	
March	1,026,503	1,140,943	547,756	918,206	1,114,958	
April	682,286	713,764	417,133	727,467	1,331,449	986,05
May	1,108,935	611,918	481,908	894,505	893,055	
June	1,298,167	634,383	661,569	1,239,882	1,260,652	
July	1,192,914	639,417	752,229	1,096,718	1,581,361	1,670,80
August	1,358,495	850,340	846,162	1,188,822	1,890,923	
September	1,795,093	1,082,544	680,151	1,287,554	1,567,773	
October	1,178,649	1,166,197	900,450	1,314,286	1,582,797	
November	1,031,846	947,509	967,791	1,156,239		
December	1,197,767	729,883	937,773	1,118,380	1,248,532	
Total	13,559,896	10,286,047	8,393,710	13,009,788	15,537,262	

<sup>\*</sup>Compiled from the Monthly Reports on Trade and Navigation, Department of Customs, Ottawa.

### Monthly Imports of Anthracite Coal into Canada.\*

(IN SHORT TONS.)

-	1913.	1914.	1915.	1916.	1917.	1918,
January	367,464	223, 102	270,396	295,578	300,836	279,688
February	311,288	237,109	213,797	340,347	277,179	246,960
March	295, 215	257,498	175,813	381,032	436,567	424,030
April	212,240	344,202	361,195	194,402	318,782	362,291
May	437,534	452,094	477,522	372,264	347,390	465,561
June	437,778	526,515	415,344	513,528	551,105	401,450
July	471,573	392,753	341,380	513,858	559,994	382, 207
August	449,733	473,980	346,689	429,699	665,071	461,651
September	437,309	535,538	338,272	433,203	533,203	479, 284
October	424,306	431,797	415,929	385,953	570,771	
November	420,998	306,566	370,384	383,103	413,200	
December	376,619	253,856	345,471	327,848	346,100	
Total	4,642,057	4,435,010	4,072,192	4,570,815	5,320,198	

<sup>\*</sup>Compiled from the Monthly Reports on Trade and Navigation, Department of Customs, Ottawa.

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

•	1913.	1914.	1915.	1916.	1917.	1918.
January	633,020	631,510	396,715	600,616	654,350	510,022
February	622,933	493,597	438,905	605,684	646,008	647,855
March	824,935	694,810	306,203	611,640	884,498	951,196
April	892,781	443,102	426,970	740,865	1,022,171	1,263,030
May	1,647,061	790,229	660,253	1,467,229	1,569,297	1,978,799
June	1,588,286	889,119	978,028	1,476,453	2,017,989	2,019,816
July	1,716,094	1,126,562	1,138,383	1,457,326	1,555,972	2,098,600
August	1,765,659	1,694,668	1,060,717	1,708,697	2,715,628	2,194,099
September	1,827,309	1,347,282	1,058,176	1,519,550	1,739 580	2,038,673
October	1,543,887	1,097,164	1,224,880	1,196,122	2,392,809	
November:	1,217,251	583,136	1,062,855	1,023,924	1,504,784	
December	836,517	480,230	704,804	852,076	1,503,640	
Total	15,115,733	10,271,409	9,356,889	13,260,181	18,206,727+	

<sup>\*</sup> Compiled from the Monthly Summary of Foreign Commerce of the United States, Washington, D.C.  $\dagger$  Total taken from December Report.

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

(IN SHORT TONS.)

	1913.	1914	1915.	1916.	1917.	1918 (a).
January	335,974	215,004	211,435	288,521	330,844	268,295
February	400,796	227,506	198,202	324,354	285,135	254,597
March	172,001	181,610	140,128	337,814	408,337	445,041
April	348,251	439,961	498,532	237,291	656,731	381,677
May	555,473	525,774	461,976	495,609	480,633	476,123
June	464,689	479,045	394,502	567,764	677,350	424,203
July	434,806	367,556	299,837	432,375	437,493	443,001
August	424,135	506,843	328,516	430,379	760,253	461,220
September	357,739	435,918	310,400	391,873	501,899	495,840
October	471,312	374,540	380,417	374,565	561,083	
November	\$62,404	261,919	312,583	349,053	329, 259	
December	245,753	204,231	316,281	326,776	623,463	
Total	4,573,333	4,219,907	3,852,810	4,556,374+	6,048,570+	

<sup>\*</sup> 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

### Consumption of Coal.

The total consumption of coal in Canada estimated on the basis of production, imports and exports was in 1917, 33,123,735 tons which included 12,313,603 tons of Canadian coal and 20,810,132 tons of imported coal.

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

### Consumption of Coal, 1913-14-15-16-17.

	1913.	1914.	1915.	1916.	1917.
Production	15,012,178 1,562,020	13,637,529 1,423,126	13,267,023 1,766,543	14,483,395 2,135,359	14,046,759 1,733,156
Home consumption of Canadian coal.	13,450,158	12,214,403	11,500,480	12,348,036	12,313,603
Imports Exports not produce of Canada	18,201,953 69,566	14,721,057 83,137	12,465,902 59,690	17,580,603 62,783	20,857,460 47,328
Canadian consumption of imported coal	18,132,387	14,637,920	12,406,212	17,517,820	20,810,132
Total consumption of coal in Canada	31,582,545	26,852,323	23,906,692	29,865,856	33,123,735

### Annual Consumption of Coal.

(IN SHORT TONS.)

Calendar Year.	Canadi	n.	Importe	ed.	Total.	Per
Calendar Lear.	Short tons.	%	Short tons.	%	Total.	capita.
386	1,595,950	45.9	1,884,161	54 1	3,480,111	0.758
387	1,848,365	45.7	2,192,260	54.3	4,040,625	0.871
388	2,013,925	37.8	3,314,353	62.2	5,328,278	1.137
389	1,992,988	44 4	2,490,931	55.6	4,483,919	0.946
390	2,360,196	47.8	2,581,187	52.2	4,941,383	1.03
391	2,606,490	46 7	2,980,222	53 3	5,586,712	1.15
392	2,464,012	44.4	3,082,429	55.6	5,546,441	1 13
893	2,823,187	47.6	3,110,462	52.4	5,933,649	1.19
394	2,743,376	48.5	2,917,818	51.5	5,661,194	1.13
395	2,467,109	45.7	2,933,752	54.3	5,400,861	1.06
396	2,639,055	45.1	3,206,456	54.9	5,845,511	1.14
397	2,799,977	47.3	3,124,485	52.7	5,924,462	1.14
898	3,023,079	48.0	3,274,981	52.0	6,298,060	1.20
899	3,631,882	47.0	4,092,361	53.0	7,724,243	1:45
	3,989,542	47.8	4,361,563	52.2	8,351,105	1.56
000	4,912,664	50.5	4,810,213	49.5	9,722,877	1.81
901						
902	5.376,413	51.0	5,165,938	49:0	10,542,351	1.92
903	6,005,735	52.2	5,491,870	47.8	11,507,605	2.0
904	6,697,183	49.2	6,909,651	50.8	13,606,834	2.3
905	7,032,661	48.9	7,343,880	51.1	14,376,541	2:36
906	7,927,560	51.7	7,398,906	48.3	15,326,466	2.45
907	8,617,352	45.0	10,549,503	55.0	19,166,855	2.9
908	9,156,478	47.3	10,195,424	52.7	19,351,902	2.85
909	8,913,376	47.9	9,711,826	52.1	18,625,202	2.68
010	10,532,103	50.2	10,438,123	49.8	20,970,226	2.96
011	9,822,749	40.5	14,424,949	59.5	24,247,698	3 3
012	12,385,696	46.0	14,549,104	54.0	26,934,800	3:59
013	13,450,158	42.6	18,132,387	57.4	31,582,545	4.0
014	12,214,403	45.5	14,637,920	54 5	26,852,323	3.3
015	11,500,480	48.1	12,406,212	51.9	23,906,692	0.00
016		41.3	17,517,820	58.7	29,865,856	
017		37.2	20,810,132	62.8	33,123,735	
*********************************	12,010,000	01 2	20,010,102	02 0	00,120,100	

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, 1917, the tonnage of coal used by locomotives amounted to no less than 9,788,424 tons.

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 1912 1913 1913 1914 1915 1916 1917	6,444 5,374 4,662 5,271 3,691 4,899 4,900	6,769,903 7,732,938 9,040,963 8,268,186 6,673,845 8,672,455 9,783,524	6,776,347 7,738,312 9,045,625 8,273,457 6,677,536 8 677,354 9,788,424

### Nova Scotia.

The production of coal in Nova Scotia in 1917 was 6,327,091 tons, as compared with a production in 1916 of 6,912,140 tons, showing a decrease of 585,049 tons, or \$.46 per cent.

The total sales of coal during 1917 were, 5,293,115 tons, of which 4,681,709 tons were sold for consumption in Canada; 353,142 tons for export to United States, 258,-264 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 1,033,976 tons including 306,374 tons used in making coke for other commercial purposes, and 727,602 tons used in the operation of the 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 1,046,279 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 4,372,078 tons, or over 69 per cent of the Province's production and equivalent to over 31 per cent of the total Canadian production. The Nova Scotia Steel and Coal Company produced 644,321 tons, or 10-2 per cent of the total; the Acadia Coal Company 441,477 tons, or 6-9 per cent; the Inverness Railway and Coal Company, 227,753 tons, or 3-5 per cent; the Maritime Coal, Railway and Power Company, 228,353 tons; and the Intercolonial Coal Mining Company, 207,739 tons.

For a number of years Nova Scotia mines, chiefly those of Cape Breton, have 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, 1917, however, only 339,374 tons of Nova Scotia coal were marketed in Quebec province, as against 1,114,337 tons in 1916, and 2,048,222 tons in 1915.

Coal Production by Companies, in Nova Scotia, 1917.

# (IN SHORT TONS.)

			Used.			Sto	Stocks.		
	Total Sales.	For Coke.	Colliery Consump- tion.	Workmen.	Production.2	Jan. 1.	Dec. 31.	Losses 3	Output.
Inverness Ry. and Coal Co. Chimney Corner Mine (S. J. Doucet). Sk. Rose Mine (G. V. Evans) Atlantic Goal Co. Sterling Coal Co. Fenwick Coal Co. Ltd Dominion Coal Co., Ltd Nova Scotia Steel and Coal Co., Ltd Nova Socia Steel and Coal Co., Ltd Amiliterd Mining Co., Ltd Aradia Coal Co., Ltd Maritime Coal, Ry and Power Co. Maritime Coal, Ry and Power Co Jones & McKimon (Provincial) Dominion Coal Co., Ltd. (Springhill) Minudie Coal Co., Ltd. (Springhill)	183, 556 83 113 2, 552 9, 002 4, 007 4, 007 232, 251 232, 252 40, 317 17, 111 17, 111 182, 234 186, 483 198, 045 7, 551 183, 196 26, 583 198, 045 17, 551 18, 18, 18, 18, 18, 18, 18, 18, 18, 18,	3405,339	37, 321 27, 321 380 380 380 380 380 37, 744 87, 744 87, 645 58, 453 58, 4	6,876 55 57,885 20,967 861 1,042 18,587 6,738 4,912 18,587 18,68 1,033 1	27, 728 88 189 199 199 199 199 199 199 199 199	1,304 85,667 168 775 899 899 6,172	286, 951 28, 951 28, 951 28, 324 1, 423 1, 423 9, 896	20 3,470 3,470	227, 045 103 103 103 103 103 103 103 103 103 103
Fundy Mining Co Royal Coal Co., Ltd	3,081		Je	418	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. <sup>2</sup> Production is obtained by adding sales and coal used. <sup>3</sup> Complete records of losses are not furnished by all producers.

Coal Production by Companies, in Nova Scotia, 1916.

	fortes] and on		Used.			Sto	Stocks.		
	Total sairs.	For coke.	For coke. T consumption Workmen.	Workmen.	Todancion	Jan. 1.	Dec. 31.	гозвен	Output.
Inverness Ry, and Coal Co. Sydney Coal Co., Ltd Deminion Coal Co., Ltd Cape Barcton Coal, Iron and Ry. Co. Nova Scotia Steel and Coal Co., Ltd Alex Bars d'Or Coal Co., Ltd Alex Statherland (Milford Colliery) Grenwood Coal Co., Ltd Acadia Coal Co., Ltd Acadia Coal Co., Ltd Acadia Coal Co., Ltd Maritime Coal, Ry, and Power Co. Jones & McKimon Minudic Coal Co., Ltd Maritime Coal Co., Ltd Atlantic Grindstone, Coal and Ry. Co. Rystatheona Coal Co., Ltd Atlantic Grindstone, Coal and Ry. Co.	254, 222 6, 440 4, 907,774 11, 088 338, 835 5, 556 1, 829 387, 182 387, 182 387, 183 387, 183 387, 183 387, 183 387, 183 39, 23 50, 122 2, 566 2, 566	282,508	36,801 146,028 21,465 57,744 1,083 28,280 28	7,284 134 38,757 21,294 246 246 2707 2707 2707 2707 2707 2707 2707 270	298,302 4,587,489 4,687,489 664,102 49,618 9,888 9,887,117 222,677 2,800 2,800	3,495 58,692 1,578 1,578 1,578 1,578 1,578 1,583	1,304 35,657 240 240 75 642 2,977 900 6,172	19,965 321 2,167	286,111 6,720 4,583,029 678,328 9,888 9,888 19,881 116,998 220,718 2,303 38,472 60,686 67,2 2,100
	5,950,547	285,892	550,886	124,815	6,912,140	85,750	48,477	37,128	6,911,995

\*\*Includes also coal used by producers for steel making and other purposes. \*\*\*Production is obtained by adding sales and coal used. \*\*\*\*Complete records of losses are not furnished by all producers.

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

Calendar Year.	Output.	Sold or used.	Colliery consumption	Production *	Price per	Value of
		Tons of 2,0	00 pounds.		2,240 lbs.	production.
		,			8 ets.	8
1785 to 1873				8,053,670	1 75	12,583,860
1874		839,022	133,932	972,954	1 75	1,520,240
1875	874,9,5	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		771, 259	94,961	866,220	1 75	1,353,469
1880		1.069,218	108,451	1,177,669	1 75	1,849,108
1881		1,159,216	120,834	1,280,050	1 75	2,000,079
1882		1,400,200	124,747	1,524,947	1 75	2,382,730
1883	1,503,259	1,453,226	125,383	1,578,609	1 75	2,466,576
1884		1,413,048	130,781	1,543,829	1 75	2,412,233
1885		1,405,051	142,939	1,547,990	1 75	2,418,735
1886	1,682,924	1,538,506	159,512	1,693,018	1 75	2,653,152
1887		1,702,046	156,550	1,858,596	1 75	2,904,057
1888		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, 081	2,000,444	180,589	2,181,033	1 75	3, 407, 864
891		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
893	2,489,807	2,214,848	230,076	2,444,924	1 75	3,820,194
894	2,520,707	2,308,231	. 219,751	2,527,982	1 75	3,949,970
895	2,239,727	2,008,270	216,875	2,225,145	1 75	3,476,790
896	2,537,706	2,202,447	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
898	2,584,175	2,375,661	187,519	2,563,180	1 75	4,004,970
1839	3, 209, 296	2,950,067	198,755	3,148,822	2 00	5,622,898
900	3,694,646	3,358,585	264,051	3,623,536	2 50	8,088,250
901	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	5,747,823	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	10,083,184
1906	6,546,191	5,704,307	516, 198	6,220,505	2 00	11,108,044
907	6,468,563	5,864,406	489,727	6,354,133	2 25	12,764,999
1908	6,805,489	5,851,761	645,690	6,652,539	2 25	13, 364, 476
1909	5,718,871	5,066,912	585,177	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	7,783,888	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
916	6,911,995	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
Total				166,000,110		320,873,393

<sup>\*</sup> This production is obtained by adding sales and colliery consumption.

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

(IN SHORT TONS.)

A 17 170	Cumberland	erland.	Pictou.	va.	Cape I	Cape Breton.	Other Counties	ounties.	Total	al.
Calchdar y ear.	Raised.	Sold.*	Raised.	Sold.*	Raised.	Sold.*	Raised.	Sold.*	Raised.	Sold.*
1906. 1907. 1908. 1919. 1911. 1913. 1914. 1916.	659, 734 682, 167 682, 167 692, 167 692, 167 693, 296 716, 914 675, 544 7702, 496 7702, 496 7702, 496 7705, 416 7705, 416 7705	256, 288 445, 288 530, 648 603, 371 288, 706 4.06, 125 555, 845 552, 765 620, 667 578, 914 603, 633	769, 496 840, 533 849, 802 748, 860 774, 846 883, 956 765, 678 817, 77 681, 356 581, 326 612, 611 725, 992	657, 310 728, 043 678, 043 678, 025 599, 743 598, 478 691, 892 641, 893 571, 063 572, 063 578, 489 685, 489	4, 804, 407 4, 698, 147 4, 840, 653 4, 840, 653 5, 403, 383 6, 313, 275 6, 313, 275 5, 767, 566 5, 317, 756 4, 680, 650	4, 221, 293 4, 346, 180 4, 267, 346 3, 773, 135 4, 917, 347 5, 530, 765 5, 266, 733 6, 874, 793 4, 874, 793 4, 176, 581	312, 554 385, 836 452, 877 388, 759 414, 153 312, 836 329, 108 226, 624 275, 049 226, 611 227, 529	259, 396 375, 742 375, 742 374, 950 374, 950 372, 201 226, 549 226, 549 226, 549 226, 549 226, 549 236, 543 237, 252 153, 752	6, 546, 191 6, 468, 563 6, 805, 489 6, 515, 162 7, 125, 551 7, 834, 724 8, 135, 104 7, 448, 042 7, 513, 739 6, 911, 739 6, 345, 385	5, 704, 307 5, 864, 406 5, 881, 761 5, 982, 881 6, 388, 080 7, 752, 573 7, 257, 110 6, 878, 110 6, 236, 439 5, 539, 489

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

				Fisca	Fiscal years ending September 30.	Septem	ber 30.			
Markets.	1913.		1914.		1915.		1916.		1917.	
•	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.	2,530,566	34.88	2,099,186 368,551	30.40	1,976,943	30.65	2,673,866 491,591	40.23	2,707,719	47·01 9·01
Total Nova Scotia.	. 2,910,929	40.12	2,467,737	35-74	2,369,283	36.73	3, 165, 457	47.63	3, 226, 482	56.02
New Brunswick. Prince Edward Island. Quebec. Newfoundland United States. Sta. Fierer. Bunker ood. For time chartered boats. Loss at sea. Other countries.	724, 239 107, 612 2, 456, 416 235, 810 534, 285 7, 449 282, 278 283, 278 283, 278 3, 202 7, 266, 155	9.98 33.85 33.85 7.23 0.10 0.10 0.00	762,150 107,275 2,667,372 252,660 356,743 2,673 278,645 29,673 278,645 20,787 1,312	11.04 1.55 38.63 3.66 4.88 0.14 4.04 0.30	675 693 93,171 2,048,222 233,735 596,606 596,606 11,729 383,273 183,273 9,427 8,739 6,448,856	10.00 10.48 11.45 31.76 3.63 3.63 3.63 9.25 0.18 0.19 0.15	865 238 92,876 1,114 337 281,259 509,773 6,485 904,601 392 5,388	13.02 1.40 16.77 4.23 7.67 0.10 9.10	994,741 115,548 339,374 264,914 383,162 6,768 428,929 335 5,760,243	17.27 2.01 5.89 4.60 6.65 0.11 7.45

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Number and Class of Workmen employed in the Coal Mines of Nova Scotia, Year ending September 30, 1917.

					Average Daily Force.	ly Force.			
	days a month pit worked.	Surface.	Under- ground.	Cutting coal.	Total colliery days.	Transporta- tion, com- mercial , upkeep repairs.	Total days.	Total workmen.	Horses.
Dominion Coal Co.  Nova Scotia Steel & Coal Co.  Sydrey Coal Co.  Sydrey Coal Co.  Invernees Railway & Coal Co.  Andria Coal Co.  Intercolonial Coal Co.  Alfreewood Coal Co.  Supplied Coal Co.  Provincial Mines  Atlantic Coal Co.  Strathcona Coal Co.  Fundy Mine  Fenwick Coal Co.  Fundy Mine	28888888888888888888888888888888888888	786 342 31 31 110 110 121 187 68 80 90 90 90 90 90 90 90 90 90 90 90 90 90	3,3,325 1,063 1,063 54 24 113 3,04 115 24 24 27 27 27 27 24 24 24 24 25 24 24 24 24 24 24 24 24 24 24 24 24 24	562 562 57 57 58 628 628 628 20 22 72 72 72 86 88 88 88 88 88 88 136 136 136 136 136 136 136 136 136 136	1,447,914 574,388 41,236 51,100 155,103 301,656 301,656 112,493 9,000 194,294 113,400 24,840 7,484 7,571 2,110 2,110 2,488 8,712 1,571	1,604 1622 1622 1722 1722 1722 1732 1732 1732 1732 17	1,850,139 623,825 1,811 1,811 1,811 1,92 1,90 1,262 1,90 1,16,886 1,16,896 1,16,896 1,16 1,16 1,192 1,	6,489 2,069 1,14 1,101 3,34 3,34 3,34 3,39 1,101	500 114 124 144 111 111 111 111 111 111 111
		1,988	5,611	2,742	3,029,177	2,142	3,577,408	12,483	798

### New Brunswick.

The production of coal in New Brunswick in 1917 was 189,095 tons, as against 143,540 tons in 1916, showing an increase of 45,555 tons or 31.7 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, 1917.

(IN SHORT TONS.)

	Days in operation.	Total sales.	Total for colliery use.*	Total production.
Sheffield Coal Co., Ltd.  Harvey Welton, Minto.  The Minto Coal Co., Ltd., Minto.  Rothwell Coal Co., Ltd., Rothwell.  J. Coakley, Minto.  Grand Lake Coal Co., Ltd., Minto.  Northfield Coal Co., Ltd., Minto.  G. H. King, Chipman.  Dean Coal Co., Adamsville.  All others (3).	Contract.	2, 455 17, 558 112, 367 11, 818 2, 314 11, 166 6, 539 17, 726 1, 963 775	535 2,150 655 484 242 232 116	2,890 17,558 114,517 12,473 2,314 11,650 6,539 17,968 2,195
Total New Brunswick		184,681	4, 414	189,095

<sup>\*</sup> Includes consumption under boilers, etc., and coal used by workmen.

### Production of Coal in New Brunswick, 1916.

	Days in operation.	Total sales.	*Total for colliery use.	Total production
The Minto Coal Co., Ltd., Minto. Rothwell Coal Co., Ltd., Rothwell. J. Coakley, Minto. Grand Lake Coal Co., Ltd., Minto., Northfield Coal Co., Ltd., Minto.	294 100 .158	91,177 5,529 808 4,000 5,021	1,511 672	92,688 6,201 808 4,000 5,318
G. H. King, Chipman.  Dean Coal Co., Adamsville.  All others (3)		10,980 $2,892$ $19,999$	15 204 300	11,130 $3,096$ $20,299$
Total New Brunswick.		140,406	3,134	143,540

<sup>\*</sup>Includes consumption under boilers, etc., and coal used by workmen.

### Annual Production of Coal in New Brunswick.

nst the

Calendar Year.	Short tons.	Value.	Average per ton.	Calendar Year.	Short tons.	Value.	Average per ton
		8	\$ cts.			8	8 ct
1887	10,040	23,607	2 35	1904	9,112	18,224	2 00
1888	5,730	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
890	7.110	13,850	1 95	1907	34,584	77,814	2 25
891	5,422	11,030	2 03	1908	60,000	135,000	2 25
892	6.768	9,375	1 39	1909	49,029	98,496	2 25
893	6,200	9.837	1 59	1910	55, 455	110,910	2 00
894	6,469	10,264	1 59	1911'	55,781	111,562	2 00
895	9,500	14,250	1 50	1912	44,780	89,560	2 00
896	7.500	11,250	1 50	1913	70,311	166,637	2 37
897	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
899	10,528	15,792	1 50	1916	143,540	386,016	2 69
900,	10,000	15,000	1 50	1917	189,095	708,010	3 7
901	17.630	51,857	2 94				
902	18,795	39,680	2 11	Total	1,156,128	2,886,683	
1903	16,000	40,000	2 50				

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 1917 from 57 colleries was 355,445 tons valued at \$662,451, as compared with 281,300 tons valued at \$441,836 in 1916, an increase of 74,145 tons, or 26 per cent.

The 1917 production included 334,625 tons of coal sold and 20,820 tons used by producers for colliery consumption by workmen, or in brickmaking.

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 1916 and 1917 is shown in the following tables:—

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

Name of Company.	Days in operation.	Total sales.	*Total for colliery use.	Total production
Auld, Jno. A., Roche Percee	81	1,242		1,242
Bienfait Mine, Bienfait	254	75,744	1,649	77,393
Blood, Adelbert, Fir Mountain	162	1,076		1,076
Caillet, David, Willowbunch	151	1,325		1,325
Campkin, Robt., Readlyn	210	1,020		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 11	1,389		1,389
Manitoba & Sask. Coal Co., Ltd., Bienfait	238	71,457	4,802	76,259
McNeil & Rooks, Estevan	253	2,228		2,228
Nicholson, H.,		1,692	22	1,714
Parkinson, Geo., "		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 production Saskatchewan		334,625	20,820	355,445

<sup>\*</sup>Includes consumption under boilers, etc., and coal used by workmen.

### Production of Coal in Saskatchewan in 1916, by Principal Operators.

Name of Company.	Days in operation.	Total sales.	Total for colliery use.*	Total production.
Western Dom. Collieries, Ltd , Taylorton Manitoba & Saskatchewan Coal Co. Ltd., Bienfait. The Bienfait Mine, Bienfait Saskatchewan Coal, Brick & Power Co. Ltd., Shand. Geo. Parkinson, Estevan. Estevan Coal & Brick Co., Ltd., Estevan. McNeil & Rooks, Estevan. Eidsness Bros., Gladmar Alex. Wilson, Taylorton. H. Nicholson, Estevan. A. G. Clark, Roche Percee. Jos. Bastien, Estevan. Henry V. Heuvel, Hart All other operators.	197 211 210 All year 51 265 281 123 130 126 148 110	86,000 67,057 55,132 25,156 7,241 2,500 3,360 3,237 2,826 1,859 1,500 1,153 1,030	5,200 4,771 2,174 1,400 2,000 20 45 100	91,200 71,828 57,306 26,556 7,241 4,500 3,360 3,237 2,846 1,904 1,600 1,158 1,038 7,539
Total production, Saskatchewan		265,506	15,794	281,30

<sup>\*</sup> 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.	Averag per ton
		8	8 cts.			8	\$ cts
1887	(a) 400	800	2 00	1905	107,596	152,334	1 42
890		200	1 00	1906	108,398	164,146	1 51
891				1907	151,232	252,437	1 67
1892	5,400	9,325	1 73	1908	150,556	253,790	1 69
1893	8,325	12,485	1 50	1909	192,125	296,339	1 5
1894	(6) 15,051	15,153	1 01	1910	181,156	293,923	1 65
1895		31,538	2 00	1911	206,779	347,248	1 6
1896	16,706	25,059	1 50	1912	225,342	368,135	1 6
1897	25,000	37,500	1 50	1913	212,897	358,192	1 68
1898	25,000	37,500	1 50	1914	232,299	374,245	1 6
1899	25,000	37,500	1 50	1915	240, 197	365,246	1 55
1900	40,500	60,750	1 50	1916	281,300	441,836	1 57
1901	45,000	72,000	1 60	1917	355,445	662,451	1 80
1902	70,400	112,640	1 52				
1903	116,703	169,618	1 45	Total	3,179,571	5,139,411	
1904	124,885	187,021	1 50				Vicas(8),1 (V)

(a) From Turtle Mountain district, Manitoba

ion.

on.

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

### Alberta.

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

In 1917 bituminous coal contributed 46.4 per cent of the total production, lignite 51.3 per cent, and anthracite 2.3 per cent.

The total production of coal in Alberta in 1917 was the highest recorded for the Province and amounted to 4,736,368 tons valued at \$14,153,685, or an average of \$2.99 per ton, compared with a production in 1916 of 4,559,054 tons valued at \$11,386,577, or an average of \$2.50 per ton.

There are many small operators in the Province, the number of names on the list being over 300. In 1917 there were 52 companies reporting a production in excess of 10,000 tons and the aggregate production by these firms was 96-1 per cent of the total for the Province. Thirteen of these companies reported a production exceeding 100,000 tons each, the largest operators being the West Canadian Collieries, Ltd., with 476,082 tons from Bellevue and Greenhill collieries; the Canadian Pacific Railway with a total of 433,728 tons from Bankhead and Lethbridge; and the North American Collieries, Ltd., with 384,807 tons from Lovettville, Coalhurst, Evansburg, Dodds, and Drumheller.

Of the total production 4,321,564 tons were reported as sales including 4,231,325 tons sold for consumption in Canada; 90,239 tons sold for export to United States; 414,804 tons were used by producers including 102,609 tons charged to coke ovens, and 312,195 tons used for colliery operation and by workmen.

The monthly production of anthracite, bituminous and lignite coals during 1917 and part of 1918 and the production of each of the larger collieries during 1917 and 1916 is shown in the following tables:—

### Monthly Production of Coal in Alberta, 1917.

(IN SHORT TONS.)

Month.	Anthracite.	Bituminous.	Lignite.	Total.
January February March April May June July August September October November December	9,126 11,314 9,954 11,597	194, 321 197, 617 265, 674 118, 926 40, 996 17, 469 180, 633 258, 010 231, 771 240, 496 266, 862 192, 530	285,731 240,889 175,299 80,854 59,203 85,774 167,555 221,436 216,167 292,249 319,624 284,057	492,958 448,664 453,175 210,284 100,199 103,243 357,314 490,760 457,812 592,083 486,603

# Monthly Production of Coal in Alberta, 1918.

Month.	Anthracite.	Bituminous.	Lignite.	Total.
January February March April May June July August September October November December	11,358	245,648	358,936	615,942
	11,722	224,421	231,419	467,562
	12,533	244,796	166,959	424,284
	12,773	270,943	101,193	384,902
	10,927	260,228	146,640	417,795
	8,732	260,256	231,613	500,601
	9,932	270,230	268,867	549,025
	9,006	271,009	276,333	556,345
	8,611	262,203	263,428	534,242

### Production and Output of Coal in Alberta, 1917, by Districts.

	Operators reporting.	Total sales.	Total colliery consumption.*	Total production.	Per cent.	Output.
Banff Anthracite	1	30.804	77,421	108, 225	2:29	118,765
Crowsnest Bituminous			122,140	1.188,456		1,188,934
Canmore	1	181,103	15,844	196,947	4.16	196,947
Brazeau	2	260,894	5,929	266,823		267,506
Jasper Park	2 2	241,550	7,183	248,733		248,733
Yellowhead Pass	4	152,405	6,777	159,182	3.36	161,620
Mountain Park	1	132,895	6,269	139,164		139,164
Total	16	2,065,967	241,563	2,307,530	48.72	2,321,669
Transaction of the state of the						
Pincher CreekLignite	4		10122	4,652	0.10	5,058
Lethbridge "	11	543, 199	70,818	614,017	12.96	622,687
Magrath	3			936	0.02	938
Milk River	15		56	8,047	0.18	8,316
Taber "	12		25,526	157,373	3 32	171,195
Bow Island "	13		51	6,043	0.13	6,577
Medicine Hat	5		86	13,975	0.30	14,971
Aldersyde	8	7,076		7,076	0.15	7,465
High River	3		CO. C.	1,126	0.02	1,102
Drumbeller "	19		26,741	631,767	13.34	672,738
Big Valley "	2	26,005	748	26,753	0.56	26,753
Brooks	8	9,233		9,233	0.19	9,487
Hanna	18	25,164	506	25,670	0.24	26,682
Lacombe	19		50	16,097	0.34	17,347
Trochu	10	14,531	492	15, 023	0.35	16,451
Three Hills	6	21,402	1,055	22,457	0.47	25,965
Carbon	.7	4,252	49	4,301	0.09	4,456
Battle River "	12	9,805	57	9,862	0.51	10,384
Camrose	5		985	56,625	1.20	61;322
Tofield "	3	65,489	3,317	68,806	1 45	72,307
Clover Bar	9	240,602	15,606	256,208	5.41	262,078
Edmonton	7	113, 417	7,663	121,080	2.56	121,080
Namao	4	17,776	419	18, 195	0.38	20,504
Cardiff	3	226,043	11,818	237,861	5.02	257,587
Wabamun "	1	13,484	50	13,534	0 29	19,690
Pembina "	1	74,763	7,148	81,911	1.73	88,613
Peace River	3	210	*******	210		215
Total Lignite	211	2,255,597	173,241	2,428,838	51.28	2,551,968
Grand Total	227	4,321,564	414,804	4,736,368	100.00	4,873,637

<sup>\*</sup> Includes consumption under boilers, etc., and coal used by workmen.

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

Alberta Coal Mining Co., Ltd., (The) Cardiff. 241  Atlas Coal Co., Ltd., Drumheller 148  Big Valley Collieries, Big Valley. 303  Blain & Gilliland, Banner mine, Cardiff. 287  Blue Diamond Coal Co., Ltd., Brule Mines 256  Brazeau Collieries, Ltd., Nordegg. 229  Bush Mine Coal Co., Beverly 301  Cadomin Coal Co., Etd., Coalspur 111  Canada West Coal Co., Ltd., Taber. 224  Can. Pac. Ry., Bankhead 254  "Galt No. 3, Lethbridge 230  Canmore Coal Co., Ltd., Canmore. 240  Cardiff Collieries, Ltd., Cardiff. 154  Chinook Coal Co., Ltd., Canmore. 240  Cardiff Collieries, Ltd., Cardiff. 154  Chinook Coal Co., Ltd., Commerce 250  City of Lethbridge Coal Mine, Lethbridge. 269  City of Lethbridge Coal Mine, Lethbridge. 283  Dawson Coal Co., Ltd., Cher Bar 284  Dawson Coal Co., Ltd., The) Tofield. 298  Drumheller Land Co. (The) Drumheller 223  Ellis Coal Co., Ltd., The Profield. 298  Drumheller Land Co., Three Hills. 296  Franco-Canadian Collieries, Ltd., Frank 216  Great West Coal Co., Ltd., Hillcrest 216  Humberstone Coal Co., Beverly 279  International Coal and Coke Co., Ltd., Coleman. 241  Jasper Park Collieries, Ltd., Millcrest 219  International Coal and Coke Co., Ltd., Coleman. 241  Jasper Park Collieries, Ltd., Midlandvale. 293  MeGillivray Creek Coal and Coke Co., Ltd., Coleman. 241  Jasper Park Collieries, Ltd., Midlandvale. 297  Medialnd Collieries, Ltd., Midlandvale. 297  Medialnd Collieries, Ltd., Midlandvale. 297  Mountain Park Coal Co., Ltd., Thumheller 117  North American Collieries, Ltd. — 296  Regal Colliery, Dodds. 298  Rose Deer Coal Mining Co., Ltd., Cleman. 241  Pembirdige Collieries, Ltd. — 296  Rose Alleries, Lid., Drumheller 143  Regal Collieries, Lid., Drumheller 143  Regal Collieries, Lid., The Dinant. 282  Sterling Coal Co., Ltd., Drumheller 143  Regal Collieries, Lid., The Dinant. 282  Sterling Coal Co., Ltd., Coal Steam Coal Co. 12 months. 282  Sterling Coal Co., Ltd., The Dinant. 282  Sterling Coal Co., Ltd., The Dinant. 282  Sterling Coal Co., Ltd., The Dinant. 282  Sterling Coal Co., Ltd., The D	tal sales.	Total colliery consumption.*	Total production
Alberta Coal Mining Co., Ltd., (The) Cardiff. 241 Atlas Coal Co., Ltd., Drumheller 148 Big Valley Collieries, Big Valley. 303 Blain & Gilliland, Banner mine, Cardiff. 287 Blue Diamond Coal Co., Ltd., Brule Mines 256 Brazeau Collieries, Ltd., Nordegg. 229 Bush Mine Coal Co., Beverly 301 Cadomin Coal Co., Beverly 301 Candad West Coal Co., Ltd., Taber 224 Can. Pac. Ry., Bankhead 254 Can. Pac. Ry., Bankhead 254 Can. Pac. Ry., Bankhead 254 Canmore Coal Co., Ltd., Calspur 257 Cammore Coal Co., Ltd., Canmore 259 Cardiff Collieries, Ltd., Cardiff 154 Chinook Coal Co., Ltd., Canmore 250 City of Lethbridge 257 Cardiff Collieries, Ltd., Cardiff 154 Chinook Coal Co., Ltd., Commerce 250 City of Lethbridge Coal Mine, Lethbridge 269 City of Lethbridge Coal Mine, Lethbridge 266 Efederal Coal Co., Ltd., (The) Drumheller 223 Ellis Coal Co., Ltd., (The) Drumheller 223 Ellis Coal Co., Ltd., (The) Drumheller 223 Ellis Coal Co., Ltd., (The) Clover Bar 266 Federal Coals, Limited, Lethbridge 266 Feranco-Canadian Collieries, Ltd., Frank 216 Feranco-Canadian Collieries, Ltd., Frank 216 Feranco-Canadian Collieries, Ltd., Coleman 241 Jasper Park Collieries —Jasper Mine 234 Jasper Park Collieries —Jasper Mine 234 Jasper Park Collieries —Jasper Mine 234 Jasper Park Collieries — 241 Jasper Park Collieries, Ltd., Mountain Park 279 International Coal Co., Ltd.,	59,594	1,912	61,506
Atlas Coal Co., Ltd., Drumheller	67,270	3,600	70.870
Sig Valley Collieries, Big Valley.   303	15,515	1,781	17,296
Blain & Gilliland, Banner mine, Cardiff.   287	25,414	748	17,296 26,162
Sight Mine Coal Co., Edd., Coalspur   111   2anada West Coal Co., Ltd., Taber   224   224   224   225   226   227   227   228   22	54,753	748 2,716	57,469
Sight Mine Coal Co., Edd., Coalspur   111   2anada West Coal Co., Ltd., Taber   224   224   224   225   226   227   227   228   22	152,168	3,211	155,379
Signa   Mine Coal Co., Edd., Coalspur   111   2   2   2   2   2   2   2   2	248,900	5,585	254,485
Galt No. 3, Lethbridge   230   Galt No. 6, Lethbridge   230   Galt No. 6, Lethbridge   237   Galt No. 6, Lethbridge   237   Galt No. 6, Lethbridge   237   Galt Gold Co., Ltd., Cammere   240   1   Cardiff Collieries, Ltd., Cardiff   154   154   154   154   154   154   154   155	26,226	740	26,966
an. Fac. Ry., Bankhead  " Galt No. 3, Lethbridge	14,125	60	14,185
an. Fac. Ry., Bankhead  " Galt No. 3, Lethbridge	90,225	20,260	110,485
Anniore Coal Co., Ltd., Canniore	30,804	(a) 77,421	108,225
amnore Coal Co., Ltd., Canmore 240 Indrift Collieries, Ltd., Cardiff	89,535	16,082	105,617
Ardiff Collieries, Ltd., Cardiff.   154	193,436	26,450	219,886
Section	181,103 104,020	15,844	196,947 109,522
Section	64,870	5,502 11,333	76,203
Invertigate   Section	12,204		12,204
awson Coal Co., Ltd., (The) Edmonton.   285	19,776	1,500	21,276
	18,436	1,150	19,586
rumheller Land Co. (The) Drumheller 223 llis Coal Co., Ltd., Three Hills. 296 ederal Coals, Limited, Lethbridge 266 ranco-Canadian Collieries, Ltd., Frank 216 reat-West Coal Co., Ltd. (The) Clover Bar. 266 illerest Collieries, Ltd., Hillerest. 219 tumberstone Coal Co., Beverly 279 nternational Coal and Coke Co., Ltd., Coleman. 241 sper Park Collieries—Jasper Mine. 234 ake 36 le Peak Coal and Coke Co., Ltd., Coleman. 241 sper Park Collieries—Jasper Mine. 234 le Peak Coal Co., Ltd., Edmonton. 266 le Cillivray Creek Coal and Coke Co., Ltd., Coleman. 267 le Cillivray Creek Coal and Coke Co., Ltd., Coleman. 267 le Cillivray Creek Coal and Coke Co., Ltd., Coleman. 267 le Coal Co., Ltd., Midandvale. 199 le Weastle Coal Co., Ltd., Midandvale. 199 le Weastle Coal Co., Ltd., Drumheller orth American Collieries, Ltd.:— Pacific Pass Colliery, Lovettville. 284 Pembina Colliery, Evansburgh. 246 Regal Colliery, Drumheller. 117 lettewell Coal Co., Clover Bar 251 remier Coal Co., Clover Bar 251 remier Coal Co., Ltd., Drumheller 242 ock Springs Coal and Brick Co., Ltd., Rosedale. 269 osedale Coal and Clay Products Co., Ltd., Rosedale. 289 ose Deer Coal Mining Co., Ltd., Wayne 241 ound Hill Collieries, Ltd., Aerial 282 punchers Creek Domestic and Steam Coal Co. 12 months. 127 leterling Coal Co., Ltd., Colmant. 282 lunders Creek Domestic and Steam Coal Co. 12 months. 127 leterling Coal Co., Ltd., Trifield 241 win City Coal Co., Ltd., Trifield 241 win City Coal Co., Ltd., Tofield 241 win City Coal Co., Ltd., Edmonton South 296 fest Canadian Collieries, Eld., Namao 295 ofield Coal Co., Ltd., Tempeller. 276 cellowhead Coal Co., Ltd., Edmonton South 296 fest Canadian Collieries, Eld., Namao 295 ofield Coal Co., Ltd., Tofield 241 win City Coal Co., Ltd., Edmonton South 296 fest Canadian Collieries, Eld., Namao 295 ofield Coal Co., Ltd., Tofield 241 win City Coal Co., Ltd., Edmonton South 296 fest Canadian Collieries, Eld., Namao 295 ofield Coal Co., Ltd., Edmonton South 296 fest Canadian Collieries, Eld., Namao 295 ofield Coal Co., Ltd	30,798	1,910	32,708
A	43,234	3,348	46,582
ederal Coals, Limited, Lethbridge ranco-Canadian Collieries, Ltd., Frank. 216 reat West Coal Co., Ltd., (The) Clover Bar. 266 illicrest Collieries, Ltd., Hillcrest. 219 tumberstone Coal Co., Beverly 279 ternational Coal and Coke Co., Ltd., Coleman. 241 asper Park Collieries — Jasper Mine. 234  Miette Mine 234  Miette Mine 234  Akeside Coals Limited, Wabamun. 266 illidand Collieries, Ltd., Edmonton. 267 ildiand Collieries, Ltd., Midlandvale. 190 tountain Park Coal Co., Ltd., Mountain Park. 279 ewcastle Coal Co., Ltd., Mountain Park. 279 iorth American Collieries, Ltd.:— Pacific Pass Colliery, Lovettville. 284 Pembina Colliery, Evansburgh. 246 Regal Colliery, Dodds. 275 Monarch Colliery, Doruhheller. 12  Honotarch Colliery, Coalhurst (Kipp). 219 ttewell Coal Co., Clover Bar 251 remier Coal Co., Ltd., Drumheller 143 egal Collieries, Ltd., Taber 242 cose Deer Coal Co., Ltd., Drumheller 242 cose Deer Coal Mining Co., Ltd., Rosedale. 289 cose Deer Coal Mining Co., Ltd., Wayne 241 cound Hill Collieries, Ltd., Roundhill 266 picer Coal Co., Ltd., Aeria! 288 core Coal Co., Ltd., Aeria! 288 cet Canadian Collieries, Ltd., Namao 295 ofield Coal Co., Ltd., Edenu. 266 cet Canadian Collieries, Ltd., Namao 295 ofield Coal Co., Ltd., Ltd., Edenu. 269 cet Coal Co., Ltd., Ltd., Edenu. 269 cet Coal Co., Ltd., Coleman. 289 condided Coal Co., Ltd., Ltd., Edenu. 269 cet Coal Mines, Ltd., Aeria! 282 cunders Creek Domestic and Steam Coal Co. 12 months. 282 condided Coal Co., Ltd., Ltd., Edenu. 266 cet Canadian Collieries, Ltd., Namao 285 condid Coal Co., Ltd., Ltd., Edenu. 266 cet Canadian Collieries, Ltd., Namao 285 condid Coal Co., Ltd., Ltd., Edenu. 266 cet Canadian Collieries, Ltd., Namao 285 condid Coal Co., Ltd., Ltd., Edenu. 296 cet Coandian Collieries, Ltd., Coalspur. 223 ellowhead Coal Co., Ltd., Coalspur. 223 ellowhead Coal Co., Ltd., Coalspur. 223 ellowhead Coal Co., Ltd., Coalspur. 223	19,419	989	20,408
ranco-Canadian Collieries, Ltd., Frank. 216 reat West Coal Co., Ltd. (The) Clover Bar. 266 lillcrest Collieries, Ltd., Hillcrest. 219 lumberstone Coal Co., Beverly 279 lumberstone Coal Co., Beverly 279 lasper Park Collieries—Jasper Mine. 234 lasper Park Collieries—Jasper Mine. 234 lasper Park Collieries—Jasper Mine. 234 leGillivray Creek Coal and Coke Co., Ltd., Coleman. 235 leGallivray Creek Coal and Coke Co., Ltd., Coleman. 267 lidland Collieries, Ltd., Edmonton. 267 lidland Collieries, Ltd., Midlandvale. 190 lountain Park Coal Co., Ltd., Mountain Park. 279 lewcastle Coal Co., Ltd., Drumheller. 117 orth American Collieries, Ltd.:— Pacific Pass Colliery, Lovettville. 284 Pembina Colliery, Evansburgh. 246 Regal Colliery, Dodds. 275 Monarch Colliery, Drumheller. 129 Monarch Colliery, Coalhurst (Kipp). 219 Itewell Coal Co., Ltd., Drumheller. 143 legal Collieries, Limited, Taber. 242 lock Springs Coal and Brick Co., Ltd., Rosedale. 289 losedale Coal and Clay Products Co., Ltd., Rosedale. 289 lose Deer Coal Mining Co., Ltd., Wayne 241 lound Hill Collieries, Ltd., Roundhill 296 licer Coal Co., Ltd., Orumheller. 175 lumorts. 282 lunders Creek Domestic and Steam Coal Co. 12 months. 285 lunders Creek Domestic and Steam Coal Co. 12 months. 287 lunders Creek Domestic and Steam Coal Co. 12 months. 289 losedale Coal Co., Ltd., Orumheller. 175 lurgeon Consolidated Collieries, Ltd., Namao 295 lofield Coal Co., Ltd., Tefield 241 win City Coal Co., Ltd., Edmonton South 296 lest Canadian Collieries, Bellevue. 205 lellowhead Coal Co., Ltd., Edmonton South 296 lest Canadian Collieries, Bellevue. 205 lellowhead Coal Co., Ltd., Coalspur. 223 ellowhead Coal Co., Ltd., Coalspur. 223 ellowhead Coal Co., Ltd., Coalspur. 223 ellowhead Coal Co., Ltd., Coalspur. 223	14,339	32	14,421
Iillerest Collieries, Ltd., Hillerest.   219   1   1   1   279   279   1   279   1   279   1   279   1   279   279   1   279   1   279	92,127	16,596	108,723
Section   Coal Co., Beverly   279   1   1   1   1   1   1   1   1   1	71,670	4,017	75,687
Saper Park Colheries—Jasper Mine   234	192,613	10,598	203,211
Sper Park Colheries—Jasper Mine   234	93,882	9,125	103,007
Miette Mine	116,548	(1) 70,639	187,187
Accord Coal Co., Litd., Value   238   28	64,681 24,701	3,906	68,587 24,767
Cereak Coal Co., Ltd., Edmonton.   267   190	13,484	66 50	
Creak Coal Co., Ltd., Edmonton.   267   190	205,278	7,975	13,534 213,253
Pacific Pass Colliery, Lovettville.   284     Pembina Colliery, Evansburgh.   246     Regal Colliery, Drumbeller.   12 months.     Letthbridge Colliery, Coalhurst (Kipp).   219     Ittewell Coal Co., Ltd., Drumbeller   143     egal Collieries, Limited, Taber.   242     cock Springs Coal and Brick Co., Ltd., Rosedale.   269     cosedale Coal and Clay Products Co., Ltd., Rosedale.   289     cosedale Coal and Clay Products Co., Ltd., Rosedale.   289     cose Deer Coal Mining Co., Ltd., Wayne   241     cound Hill Collieries, Ltd., Roundhill.   206     picer Coal Co., Ltd., (The) Dinant.   282     uunders Creek Domestic and Steam Coal Co.   12 months.     tar Coal Minnes, Ltd., Aeria!   235     terping Coal Co., Ltd., Drumbeller.   175     turgeon Consolidated Collieries, Ltd., Namao   295     offeld Coal Co., Ltd., Tofield   241     win City Coal Co., Ltd., Edmonton South   296     fest Canadian Collieries, Bellevue   205   26     fest Canadian Collieries, Bellevue   205   27     festern Commercial Co., Ltd., Wayne   223     ellowhead Coal Co., Ltd., Coalspur.   227	18,375	1,360	19,735
Pacific Pass Colliery, Lovettville.   284     Pembina Colliery, Evansburgh.   246     Regal Colliery, Drumbeller.   12 months.     Letthbridge Colliery, Coalhurst (Kipp).   219     Ittewell Coal Co., Ltd., Drumbeller   143     egal Collieries, Limited, Taber.   242     cock Springs Coal and Brick Co., Ltd., Rosedale.   269     cosedale Coal and Clay Products Co., Ltd., Rosedale.   289     cosedale Coal and Clay Products Co., Ltd., Rosedale.   289     cose Deer Coal Mining Co., Ltd., Wayne   241     cound Hill Collieries, Ltd., Roundhill.   206     picer Coal Co., Ltd., (The) Dinant.   282     uunders Creek Domestic and Steam Coal Co.   12 months.     tar Coal Minnes, Ltd., Aeria!   235     terping Coal Co., Ltd., Drumbeller.   175     turgeon Consolidated Collieries, Ltd., Namao   295     offeld Coal Co., Ltd., Tofield   241     win City Coal Co., Ltd., Edmonton South   296     fest Canadian Collieries, Bellevue   205   26     fest Canadian Collieries, Bellevue   205   27     festern Commercial Co., Ltd., Wayne   223     ellowhead Coal Co., Ltd., Coalspur.   227	60,090	2,747	62,837
Pacific Pass Colliery, Lovettville.   284     Pembina Colliery, Evansburgh.   246     Regal Colliery, Drumheller.   12 months.     Letthbridge Colliery, Coalhurst (Kipp).   219     Itewell Coal Co., Ltd., Drumheller   143     egal Collieries, Limited, Taber.   242     cock Springs Coal and Brick Co., Ltd., Rosedale.   269     cosedale Coal and Clay Products Co., Ltd., Rosedale.   289     cosedale Coal and Clay Products Co., Ltd., Rosedale.   289     cosedale Coal and Erick Co., Ltd., Rosedale.   289     cosedale Coal and Erick Co., Ltd., Rosedale.   289     cosedale Coal and Erick Co., Ltd., Brick Co., Ltd., Rosedale.   289     cosedale Coal and Erick Co., Ltd., Rosedale.   289     cosedale Coal Mining Co., Ltd., Wayne   282     uniders Creek Domestic and Steam Coal Co.   12 months.     Lar Coal Mines, Ltd., Aeria!   285     turgeon Consolidated Collieries, Ltd., Namao   295     cofield Coal Co., Ltd., Tofield   241     win City Coal Co., Ltd., Edmonton South   296     fest Canadian Collieries, Bellevue   205   26     fest Canadian Collieries, Bellevue   205   27     festern Commercial Co., Ltd., Wayne   223     ellowhead Coal Co., Ltd., Coalspur.   227	132,895	6,269	139,164
Pembina Colliery, Evansburgh.   246	28,377	852	29,229
Regal Colliery, Dodds.   275   12 months.   12 months.   12 months.   12 months.   12 months.   12 months.   13 months.   14 months.   15 months.   15 months.   15 months.   15 months.   15 months.   16 months.   16 months.   16 months.   16 months.   16 months.   17 months.   18 months.	66,903	6,142	73,045
Monarch Colliery, Drumheller   12 months   12 the colling Colliery, Coalhurst (Kipp)   219   15   15   16   16   17   17   18   18   19   19   19   19   19   19	74,763	7,148	81,911
ttewell Coal Co., Clover Bar remier Coal Co., Ltd., Drumheller	14,766	32	14,798
ttewell Coal Co., Clover Bar remier Coal Co., Ltd., Drumheller	31,803	2,651	34,454
remier Coal Co., Ltd., Drumheller	164,348	16,251	180,599
egal Colleries, Limited, Taber 242  osck Springs Coal and Brick Co., Ltd., Elcan. 269  oscdale Coal and Clay Products Co., Ltd., Rosedale. 289  osc Deer Coal Mining Co., Ltd., Wayne 241  ound Hill Collieries, Ltd., Roundhill. 206  oicer Coal Co., Ltd., (The) Dinant. 282  unders Creek Domestic and Steam Coal Co. 12 months. 27  ar Coal Mines, Ltd., Aeria! 275  errling Coal Co., Ltd., Drumheller. 175  ourgeon Consolidated Collieries, Ltd., Namao 295  offield Coal Co., Ltd., Tofield 241  win City Coal Co., Ltd., Edmonton South 296  est Canadian Collieries, Bellevue. 205  est Canadian Collieries, Bellevue. 295  est Canadian Collieries, Bellevu	10,600 26,898	100 312	10,700 27,210
osedale Coal and Clay Products Co., Ltd., Rosedale.       289         ose Deer Coal Mining Co., Ltd., Wayne       241         ound Hill Collieries, Ltd., Roundhill       206         picier Coal Co., Ltd., (The) Dinant.       282         uunders Creek Domestic and Steam Coal Co.       12 months.         aar Coal Mines, Ltd., Aeria!       235         rerling Coal Co., Ltd., Drumheller.       175         surgeon Consolidated Collieries, Ltd., Namao       295         offeld Coal Co., Ltd., Tofield       241         win City Coal Co., Ltd., Edmonton South       296         fest Canadian Collieries, Bellevue       205         get Canadian Collieries, Bellevue       227         festern Commercial Co., Ltd., Wayne       223         ellowhead Coal Co., Ltd., Coalspur       227	9,002	1,632	10,634
osedale Coal and Clay Products Co., Ltd., Rosedale.       289         ose Deer Coal Mining Co., Ltd., Wayne       241         ound Hill Collieries, Ltd., Roundhill       206         picier Coal Co., Ltd., (The) Dinant.       282         uunders Creek Domestic and Steam Coal Co.       12 months.         aar Coal Mines, Ltd., Aeria!       235         rerling Coal Co., Ltd., Drumheller.       175         surgeon Consolidated Collieries, Ltd., Namao       295         offeld Coal Co., Ltd., Tofield       241         win City Coal Co., Ltd., Edmonton South       296         fest Canadian Collieries, Bellevue       205         get Canadian Collieries, Bellevue       227         festern Commercial Co., Ltd., Wayne       223         ellowhead Coal Co., Ltd., Coalspur       227	27,133	2,746	29,879
ose Deer Coal Mining Co., Ltd., Wayne 241 ound Hill Collieries, Ltd., Roundhill. 296 picer Coal Co., Ltd., (The) Dinant. 282 uunders Creek Domestic and Steam Coal Co. 12 months. ar Coal Mines, Ltd., Aeria! 285 cerling Coal Co., Ltd., Cheria 295 offeld Coal Co., Ltd., Toffeld 2241 win City Coal Co., Ltd., Edmonton South 296 'est Canadian Collieries, Bellevue. 205 'est Canadian Collieries, Bellevue. 205 'est Canadian Collieries, Bellevue. 297 'estern Commercial Co., Ltd., Wayne. 223 ellowhead Coal Co., Ltd., Coalspur. 227	87,100	36	87,136
ound Hill Collieries, Ltd., Roundhill	75,548	3,790	79,339
picer Coal Co., Ltd., (The) Dinant. 282 unders Creek Domestic and Steam Coal Co. 12 months. ar Coal Mines, Ltd., Aeria! 235 erling Coal Co., Ltd., Drumheller. 175 urgeon Consolidated Collieries, Ltd., Namao 295 offield Coal Co., Ltd., Tofield 241 win City Coal Co., Ltd., Edmonton South 296 est Canadian Collieries, Bellevue. 205 est Canadian Collieries, Bellevue. 205 est Commercial Co., Ltd., Wayne 223 ellowhead Coal Co., Ltd., Coalspur. 227	19,314	400	19,714
uunders Greek Domestic and Steam Coal Co.       12 months.         aar Coal Mines, Ltd., Aeria!       235         aerling Coal Co., Ltd., Drumheller.       175         surgeon Consolidated Collieries, Ltd., Namao       295         offeld Coal Co., Ltd., Tofield       241         win City Coal Co., Ltd., Edmonton South       296         'est Canadian Collieries, Bellevue       205       2         'est Canadian Collieries, Bellevue       205       2         'estern Commercial Co., Ltd., Wayne       223         ellowhead Coal Co., Ltd., Coalspur       227	16,397	553	16,950
terling Coal Co., Ltd., Drumbeller.     175       turgeon Consolidated Collieries, Ltd., Namao     295       offield Coal Co., Ltd., Tofield     241       win City Coal Co., Ltd., Edmonton South     296       fest Canadian Collieries, Bellevue     205       get Commercial Co., Ltd., Wayne     223       ellowhead Coal Co., Ltd., Coalspur     227	11,994	344	12,339
urgeon Consolidated Collieries, Ltd., Namao       295         offeild Coal Co., Ltd., Tofield       241         win City Coal Co., Ltd., Edmonton South       296         'est Canadian Collieries, Bellevue       205       2         'est Canadian Collieries, Bellevue       217       1         'estern Commercial Co., Ltd., Wayne       223         ellowhead Coal Co., Ltd., Coalspur       227	63,131	1,223	64,353
ofield Coal Co., Ltd., Tofield       241         win City Coal Co., Ltd., Edmonton South       296         fest Canadian Collieries, Bellevue       205       2         " " " Greenhill       217       1         'estern Commercial Co., Ltd., Wayne       223         ellowhead Coal Co., Ltd., Coalspur       227	18,703	2,920	21,623
estern Commercial Co., Ltd., Wayne 223 ellowhead Coal Co., Ltd., Coalspur. 227	14,821	414	15,235
estern Commercial Co., Ltd., Wayne 223 ellowhead Coal Co., Ltd., Coalspur. 227	32,990	1,087	34,077
estern Commercial Co., Ltd., Wayne 223 ellowhead Coal Co., Ltd., Coalspur. 227	71,442 $263,223$	4,976	76,418
estern Commercial Co., Ltd., Wayne 223 ellowhead Coal Co., Ltd., Coalspur. 227	265,223 196,527	11,412 4,920	274,635 201,447
enownead Coal Co., Ltd., Coalspur	81,765	3,850	85,615
4.1	30,130		30,130
	141,483 180,081	409,887 4,917	4,551,370 184,998
Total Alberta	321,564	414,804	4,736,368

<sup>\*</sup> Includes consumption under boilers, etc., and coal used by workmen. Includes 50,704 tons of coal used in the manufacture of briquettes. Total quality coal and briquettes sold or used in colliery operation 151,528 tons.
(b) Including for manufacture of coke, 51,905.

### Production of Coal in Alberta in 1916, by Principal Collieries.

Name of Company and Mine address,	Days in operation.	Total sales.	Total colliery consumption.*	Total production.
Alberta Block Coal Co., Ltd., Drumheller	155	39,990	1,095	41.085
The Alberta Coal Mg. Co., Ltd., Cardiff Big Valley Collieries, Big Valley	164	40 744	4,000	44,744
Big Valley Collieries, Big Valley	175	11,504	250	11,754
Blain & Gilliland, Banner Mine, Cardiff	254	30,000	3,400	33,400
Blue Diamond Coal Co., Ltd., Brule Mines	293	56,938	328	57,266
Brazeau Collieries, Ltd., Nordegg	248	274,605	7,125	281,730
Bush Mine Coal Co., Beverly	285	29,162	470	29,632
Bush Mine Coal Co., Beverly	194	81,532	16,562	98,094
Can. Pac. Ry., Bankhead	150	(a) 152,601	(b) 27,667	180,268
Can. Pac. Ry., Galt No. 3, Lethbridge	241	122,004	17,362	139,366
Can. Pac. Ry., Galt No. 6, Lethbridge	242	236,443	32,810	269,253
Canmore Coal Co., Ltd., Canmore	295	219,004	19,197	238, 201
Cardiff Collieries, Ltd., Cardiff	253	124,065 68,039	7,791 12,611	131,856 80,650
Clover Bar Coal Co., Ltd., Clover Bar		16,018	3,030	19,048
Phe Dawson Coal Co. Ltd. Education		16,018	7,200	23,452
Fhe Dawson Coal Co., Ltd., Edmonton Fhe Dobell Coal Co., Ltd., Tofield	287	22,007	1,872	23,879
The Drumheller Land Co., Ltd., Drumheller	214	31,358	2,655	34,013
Ellis Coal Co., Ltd., Three Mills	288	10,727	1,045	11,772
Franco-Canadian Collieries, Ltd., Frank		176,265	16,004	192,269
Georgetown Collieries, Canmore	†(8% mos.)	33,234	2,575	35,809
The Great West Coal Co., Ltd., Clover Bar	277	67,799	2,676	70,475
Hillcrest Collieries, Ltd., Hillcrest	267	240,603	10,964	251,567
Humberstone Coal Co., Beverly	306	42,928	4,422	47,350
International Coal & Coke Co., Ltd., Coleman	293	126,346	(c) 85,501	211,847
Jasper Park Collieries—Pocahontas	277	90,868	4,402	95,270
McGillivray Ck. Coal and Coke Co., Ltd., Coleman.	257	206,406	7,492	213,898
Midland Collieries, Ltd., Drumheller	260	50,545	3,050	53,595
Mountain Park Coal Co., Ltd., Mountain Park	303	134,863	4,673	139,536
Newcastle Coal Co., Ltd., Drumheller North American Collieries, Ltd.	188	34,350	1,017	35,367
Pacific Pass Coll., Lovettville	275	61,188	5,877	67,065
Pembina " Evansburgh	285	64,069	6,876	70,945
Lethbridge " Coalhurst (Kipp)	264	205,317	19,381	224,698
St. Albert "St. Albert	**135	6,556	3,392	9,948
Ottewell Coal Co., Clover Bar	203	12,000 30,250	75	12,675
Premier Coal Co., Ltd., Drumheller	230	19,350	1,960	30,650 21,310
Rock Springs Coal & Brick Co., Ltd., Elcan		17,472	2,025	19,497
Rosedale Coal & Clay Products Co., Ltd., Rosedale	221	14,750	466	15,216
Rose Deer Coal Mg. Co., Ltd., Wayne	269	40,000	2,550	42,550
Round Hill Collieries, Ltd., Roundhill	269	27,231	450	27,681
The Spicer Coal Co., Ltd., Dinant	295	12,668	600	13,268
Star Coal Mines, Ltd., Aerial	237	56,387	1,166	57,553
Sterling Coal Co., Ltd., Drumheller	244	13,163	2,120	15,283
Tofield Coal Co., Ltd., Tofield	207	35,937	1,484	37,421
Twin City Coal Co., Ltd., Edmonton S	245	59,203	3,357	62,560
West Can. Collieries, Bellevue	228 274	323,132 188,189	14,902 3,978	338,034 192,167
" Ground Transfer				
All other operators		3,974,062 199,505	380,305 5,182	4,354,367 204,687
		4 170 507		4 550 051
Total Alberta		4,173,567	385,487	4,559,054

<sup>\*</sup>Includes consumption under boilers, etc., and coal used by workmen.
(a) Briquettes, 106,814; (b) Briquettes, 1,144; (c) For manufacture of coke, 67,106.
†Company now out of business.
\*\*Now abandoned.

### Annual Production of Coal in Alberta.

Calendar Year.	Short tons.	Value.	Average per ton.	Calendar Year.	Short tons.	Value.	A verage per ton
		8	8			8	8
886	43,220	81,112	1.88	1902	402,819	960,601	2.38
887	74, 152	157,577	2.13	1903	495,893	1,117,541	2.25
888	115, 124	183,354	1.59	1904	661,732	1,404,524	2.12
889	97,364	179,640	1.85	1905	931,917	1,993,915	2.14
890	128,753	198,298	1.54	1906	1,246,360	2,614,762	2.10
891	174,131	437,243	2.51	1907	1,591,579	3,836,286	2.41
892	178.970	460,605	2.57	1908	1,685,661	4,127,311	2.45
893	230,070	586,260	2.55	1909	1,994,741	4,838,109	2.43
894	184,940	473,827	2.56	1910	2,894,469	7,065,736	2.44
895,	169,885	382,526	2.25	1911	1,511,036	3,979,264	2.63
896	209,162	581,832	2.78	1912	3,240,577	8,113,525	2.50
897	242, 163	630,408	2.60	1913	4,014,755	10,418,941	2.59
898,	315,088	787,720	2.50	1914	3,683,015	9,350,392	2.54
899	309,600	774,000	2.50	1915	3,360,818	8,283,079	2.46
900,	311,450	778,625	2.50	1916	4,559,054	11,386,577	2.50
901	340,275	850,687	2.50	1917	4,736,368	14,153,685	2.99

### British Columbia.

The production of coal in British Columbia in 1917 was 2,433,888 tons, as compared with 2,584,061 tons in 1916, a decrease of 150,173 tons, or 5.9 per cent.

Of the total production in 1917, 1,933,944 tons were reported as sales, including 1,046,020 tons sold for consumption in Canada; 845,128 tons sold for export to United States, and 42,796 tons sold for export to other countries; 499,944 tons were used by producers, including 278,590 tons for making coke and 221,354 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 Crows Nest Pass Coal Company, with a total production of 504,762 tons; the Canadian Collieries (Dunsmuir), Limited, with 690,111 tons, and the Western Fuel Company, with 714,533 tons. These three companies contributed 78.5 per cent of the Province's production.

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

	Coal.	Vancouver Island.	Nicola and Princeton.	Crowsnest and East Kootenay.	Total.
Sold for e	onsumption in Canada	824,437 576,708 42,796	139,142 15,471	82,441 252,949	1,046,020 845,128 42,796
Used for 1	otal sales	1,443,941 60,804 143,456	154,613 13,118	335,390 217,786 64,780	1,933,944 278,590 221,354
. P	Production	1,648,201	167,731	617,956	2,433,888
F	Per cent	67.7	6.9	25.4	

### Coal Production by Districts in British Columbia, 1916.

(IN SHORT TONS.)

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Coal.	Vancouver Island.	Nicola and Princeton.	Crowsnest and East Kootenay.	Total.
Sold for consumption in Canada	770,869 498,672 6,906	103,535 6,366	84,357 433,387	958,761 938,428 6,906
Total sales	1,276,447 55,436 141,087	109,901 400 12,602	517.744 394,230 76,214	1,904,092 450,066 229,903
Production	1,472,970	122,903	988,188	2,584,061

Coal Production by Collieries in British Columbia, 1917.

(IN SHORT TONS.)

Stocks.	Production. Washing, First Last Output, pf of year.	45,882         6,201         51,583           507,710         5,237         6,201         503,689           161,441         3,228         1,611         56,824         156,884           64,589         75,731         1,84         997         224,118           246,887         15,731         1,84         997         224,118           28,874         75,731         1,84         997         224,118           19,535         19,372         1,151         1,039         96,512           140,535         19,372         1,151         1,039         96,615           113,194         36         71         362,388           113,194         382,347         362,388           14,660         448         213         363,474           8,617         140         14,960           8,617         140         14,960           8,617         14,960         14,960           8,618         17,738         13         252         52,568
d.	Under colliery boilers, etc.	709 709 16, 100 21, 105 21, 105 22, 738 22, 738 22, 738 33, 268 17, 601 5, 289 778 778 778 778 778 778 778 778 778 7
Used.	Making coke.	1,120 59,684 89,718 128,068
	Total.	14,673 448,408 145,341 55,284 286,651 286,651 28,570 85,096 85,096 195,011 195
d.	To other countries.	30,241
Sold	To United States.	38, 225, 263, 489, 71, 832, 201, 61, 698, 988, 988, 988, 988, 988, 989, 989
	In	11,448 134,919 73,509 55,082 153,002 251,022 77,833 10,633 10,633 10,633 10,633 10,633 10,633 11,833
	Colliery.	Harwood  I. No. 1 Mine Reserve 2. East Wellington No. 1 3. Wellington Extension Mine, Ladysmith Comox Mines, Gunberland 4. South Wellington Mines 5. Grant 6. Grant 6. Coal Creek 7. Corbin 7. Corbin 8. Middlesbor 9. Merritt 10. Inland 11. Prineston

Western Fuel Company.
 British Columbia Coal Mining Co.
 Canadian Colieries (Dunsmuir), Ltd.
 Pacific Coast Coal Mines, Ltd.

Mining Co. 6. Nancose Collieries, Ltd. 6. Crow's Nest Pass Coal Co., Ltd. 7. Corbin Coal and Oske Co., Ltd. 8. Middlesboro Collieries, Ltd. 8. Middlesboro Collieries, Ltd.

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

# Coal Production by Collieries in British Columbia, 1916.

(IN SHORT TONS.)

		Sold.			Used.			Lost		Stocks.	
Colliery.	In Canada.	To United States.	To other countries.	Total.	Making coke.	Under colliery boilers, etc.	Production.	washing, etc.	First of year.	Last of year.	Output.
1. No. 1 Mine. Reserve Reserve 3. East Wellington No. 1. 3. Wellington Extension Mine, Ladysmith Comox Mines, Cumberland 4. South Wellington Mines. Coal Creek Coal Creek Coal Creek Coal Creek Rinhand 7. Middlesboro 8. Inland 9. Princeton 10. Miscellaneous.	208, 238 25, 241 74, 386 74, 386 240, 942 74, 066 74, 066 75, 992 6, 142 6, 142 6, 142 86, 232 33, 437 17, 68 19, 768 19, 768	265,676 45,211 1,048 (8,489 71,927 46,321 60,918 306,593 65,876	6,714	480, 628 70, 144 76, 033 312, 896 312, 896 312, 896 76, 141 360, 535 83, 457 26, 134 26, 134 38, 457 38, 457 38, 457 38, 457 38, 457	55,486 176,216 218,014	50,120 24,170 8,804 20,805 11,106 26,082 21,073 49,857 5,284 5,284 5,284 5,457 4,676 4,676 4,676	580, 748 94, 871 84, 871 84, 871 146, 491 146, 491 146, 491 147, 302 177, 302 177, 302 177, 302 177, 302 187, 461 36, 294 36, 294 36, 294 36, 294 36, 294 36, 294 37, 461 37,	5,531 66,256 126,836 26,029 1,100 2,201	12, 043 820 3, 623 10, 429 7, 325 2, 153 59 59 33 34 34 34	5,237 3,228 3,228 1,259 3,975 1,151 3,5 30 327 190 190	523 942 97,222 97,222 98, 857 87,877 502 887, 787 502 887, 787 171,302 67,487 77,304 87,394 87,394 87,394 87,398 88,388
	958,761	938, 425	906.9	1,904,092	450.066	229,903	2.584.061	221.953	36.521	15,960	2,785,453

Western Fuel Company.
 Vancouver-Namano Codel Mining Co.
 Canadian Collicries (Dunsmuir), Ltd.
 Pacific Coast Coal Mines, Ltd.

Crow's Nest Pass Coal Co., Ltd.
 Corbin Coal and Coke Co., Ltd.
 Middleshoro Collieries, Ltd.

8. Inland Coal and Coke Co., Ltd. 9. Princeton Coal and Land Co., Ltd. 10. Pacific Coast Colliery of B.C.

### Annual Production of Coal in British Columbia.

Calendar Year.	Output.	Home con- sumption.	Sold for export.	Produc	ction *.	Price	Value.
Carolinia 1 cm		Leng	tons.		Short tons.	long ton.	
						8 cts.	8
836 to 1873	480,785				538,480	4 00	1,923,14
874	81,547	25,023	56,038	81,061	90,788	3 00	243,18
875	110,145	31,252	66,392	97,644	109,361	3 00	292,93
876	139,192	17,856	+122,329	140,185	157,007	3 00	420,55
	154,052	24,311	115,381	139,692	156,455	3 00	419,07
877	170.846	26,166	164,682	190,848	213,750	3 00	572.54
878	241,301	40,294	192,096	232,390	260,277	3 00	697.17
879						3 00	
880	267,595	46,513	225,849	272,362	305,045	3 00	817,08
881	228,357	40,191	189,323	229,514	257,056	3 00	688,54
882	282,139	56,161	232,411	288,572	323, 201		865,71
883	213,299	64,786	149,567	214,353	240,075	3 00	643,05
384	394,070	87,388	306, 478	393,866	441,130	3 00	1,181,59
885	365,596	95,227	237,797	333,024	372,987	3 00	999,07
886	326,636	85,987	249, 205	335,192	375,415	3 00	1,005,57
887	413,360	99,216	334,839	434,055	486,142	3 00	1,302,16
388	489,301	115,953	365,714	481,667	539,467	3 00	. 1,445,00
389	579,830	124,574	443,675	568,249	636, 439	3 00	1,704,74
890	678,140	177,075	508,270	685,345	767,586	3 00	2,056,03
891	1,029,097	202,697	806,479	1,009,176	1,130,277	3 00	3,027,52
892	826,335	196,223	640,579	836,802	937,218	3 00 -	2,510,40
893	978,294	207,851	768,917	976,768	1,093,980	3 00	2,930,30
894	1,012,953	165,776	827,642	993,418	1,112,628	3 00	2,980,20
895	939,654	188,349	756,334	944,683	1,058,045	3 00	2,834,04
896	894,882	261,984	634,238	896, 222	1,003,769	3 00	2,688,66
897	802,296	290,310	619,860	910,170	1,019,390	3 00	2,730,51
898	1,136,485	375,423	752,863	1,128,286	1,263,680	3 00	3,384.85
899	1,306,324	526,058	751,711	1,277,769	1,431,101	3 00	3,833,30
900	1,590,178	685,667	914,184	1,599,851	1,791,833	3 00	4,799,55
901	1,691,557	799,666	914,163	1,713,829	1,919,488	3 00	5, 141, 48
902	1,641,626	837,871	776,809	1,614,680	1,808,441	3 00	4,814,04
903	1,450,663	947, 499	549,449	1,496,948	1,676,581	3 00	4,490,84
901	1,685,698	1,129,465	533,593	1,663,058	1,862,625	3 00	4,989,17
905	1,736,696	1,089,667	647,343	1,737,010	1,945,452	3 00	5,211,03
906	1,899,076	1,236,476	679,829	1,916,305	2,146,262	3 00	5,748,91
907	2,219,602	1, 438, 402	673,114	2,111,516	2,364,898	3 50	7,390,30
908	2,111,931	1,486,511	597,157	2,083,668	2,333,708	3 50	7,292,83
909	2,388,196	1,585,232	741,667	2,326,899	2,606,127	3 50	8,144,14
910	3, 152, 207	1,798,873	1,175,007	2,973,880	3,330,745	3 50	10,408 58
911	2,304,794	1,657,422	612,696	2,270,118	2,542,532	3 50	7,945,41
912	2,857,345	1,898,213	966,963	2,865,176	3, 208, 997	3 50	10,028,11
013	2,587,357	1,799,643	623,946	2,423,589	2,714,420	3 50	8,482,56
	2,182,164	1,397,036	602,785	1,999,821	2,239,799	3 50	6,999,37
914	1,962,817	1,191,219	653,078	1,844,297	2,065,613	3 50	6,455,04
915	2,487,012	1,463,152	844,045	2,307,197	2,584,061	3 50	8,075,19
916	2,375,745	1,380,325	792,789	2,173,114	2,433,888	3 79	8, 235, 71
Total				51,693,052	57,896,219		168,879,40

<sup>\*</sup>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 1917 was reported as 4,872 tons, all the product of the Tantalus mine of the Five Fingers Coal Company, near Whitehorse.

The colliery of the Northern Light, Power and Coal Company, on Coal creek, has not been operated during the past two years, and the mining equipment is now reported as having been dismantled and removed.

### Annual Production of Coal in Yukon Territory.

Calendar year.	Short tons	Value.	Average per ton.	Calendar year.	Short tons	Value.	Aver per t	
		8	8 ets.			8	8	cts
1901	*5,864	86,230	14 70	1910	16,185	110,925	6	85
1902	4,910	37,280	7 59	1911	2,840	12,780		50
1903	1,849	29,584	16 00	1912	9,245	44,958		86
1904				1913	19,722	95,945	- 4	86
1905	7,000	21,000	3 00	1914	13,443	53,760	4	00
1906	7,000	28,000	4 00	1915	9,724	38,896	4	00
1907	15,000	60,000	4 00	1916	3,300	13,200	4	00
1908	3,847	21,158	5 50	1917	4.872	29,232	+6	00
1909	7,364	49,502	6 72					
				Total	132,165	732,450		
1								

\*Part of this production was mined in 1900.

†Value not reported, but estimated.

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### 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 1917, 1,379,038 tons of domestic coal, 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.

In 1916, 1,501,835 tons of domestic, and 633,076 tons of imported coal were charged to coke ovens, from which was obtained an output of 1,448,782 tons of coke, thus averaging 0.679 tons of coke per ton of coal charged. Coke from by-product ovens comprised 69 per cent of the total.

The amount of coke sold, or used by coke producers in 1917, was 1,245,862 tons, as compared with 1,469,741 tons in 1916, a decrease of 223,879 tons, or over 15 per cent.

In addition to the tonnage sold or used by producers, there was imported during 1917, 970,106 tons of coke, while the exports totalled 23,595 tons. The Canadian consumption in 1917 was, therefore, 2,192,373 tons, an increase of 14,055 tons over the estimated consumption in 1916. 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, and 1,772,461 tons in 1915.

### Coke Production, 1917.

(In short tons.)

Province	Coal charged to	Coke	Stock or	Hand.	Coke sold or	Per Cent of total	Value of coke
	ovens.	output.	Jan. 1.	Dec. 31.	used.	production.	sold or used.
Nova Scotia Ontario Alberta British Columbia	1,046,279 * 549,885 51,905 280,854	645,069 375,014 31,196 180,586	1,114 16,458 959 4,122	1,597 2,424 506 3,300	643,757 389,048 31,649 181,408	51 · 67 31 · 23 2 · 54 14 · 56	\$ 3,218,485 2,155,326 181,982 1,106,488
Total	1,928,923	1,231,865	22,653	7,827	1,245,862	100.00	\$ 6,662,581

<sup>\*</sup> All imported coal.

### Coke Production, 1916.

(In short tons.)

Province.	Coal charged to	Coke	Stock or	Hand.	Coke sold or	Per cent of total	Value of coke
	ovens.	output.	Jan. 1.	Dec. 31.	used.	production.	sold or used.
Nova Scotia Ontario Alberta British Columbia	985,063 * 633,076 67,106 449,666	653,836 452,502 42,548 299,896	1,711 33,913 361 2,949	1,114 13,908 959 1,994	654,433 472,507 41,950 300,851	44 · 53 32 · 15 2 · 85 20 · 47	\$ 2,617,732 2,008,155 167,800 1,255,725
Total	1,134,911	1,448,782	38,934	17,975	1,469,741	100.00	\$ 6,049,412

<sup>\*</sup> All imported coal.

### Distribution of Coke Production, 1917.

(In short tons.)

	Nova Scotia.	Ontario.	Alberta.	British Columbia.	Total.
Sold in Canada				167,040 14,237	200,380 14,269
Total sales Used by maker in blast furnace or otherwise	1,723 642,034	389,048	31,649	181,277 131	214,649 1,031,213
Total sold or used	643,757	389,048	31,649	181,408	1,245,862
Number of ovens in operation Dec. 31 Number of ovens idle Dec. 31	723 83	102 8	102 114	730 670	1,657 875

### Annual Production of Coke.

Calendar Year.	Short Tons.	Value.	Average per Ton	Calendar Year.	Short Tons.	Value.	Average per Ton
1886. 1887. 1888. 1889. 1890. 1891. 1892. 1893.	35,396 40,428 45,373 54,539 56,450 57,084 56,135 61,078	\$ 101,940 135,951 134,181 155,043 166,298 175,592 160,249 161,790	8 2 88 3 36 2 96 2 84 2 95 3 08 2 85 2 65	1902 1903 1904 1904 1905 1906 1907 1908 1909	502,043 561,318 554,083 700,488 782,055 842,003 858,257 862,011	\$ 1,519,185 1,734,404 2,032,048 2,436,211 2,863,503 3,583,468 3,449,361 3,484,393	\$ 3 03 3 09 3 66 3 48 3 66 4 26 4 02 4 64
1894. 1895. 1896. 1897. 1898. 1899. 1900.	58,044 53,356 49,619 60,686 87,600 100,820 157,134 365,531	148,551 143,047 110,257 176,457 286,000 350,022 649,140 1,228,225	2 56 2 68 2 22 2 91 3 26 3 47 4 13 3 36	1910	902,715 935,651 1,411,229 1,530,499 1,023,860 1,170,473 1,469,741 1,245,862	3,462,872 3,630,410 5,164,331 5,919,596 3,658,514 4,258,580 6,049,412 6,662,581	3 84 3 88 3 66 3 87 3 55 3 64 4 12 5 35

### Annual Production of Coke by Provinces.

Calendar Year.	Nova S	ectia.	Onta	ario.	Albe	erta.	British Co	olumbia.
Calendar Tear.	Short Tons.	Value.	Short Tons.	Value.	Short Tons.	Value.	Short Tons.	Value.
-		8		8		8		. 8
897	41,532	90,950					19,154	85,507
898	48,400	111,000					39,200	175,000
899	62,459	178,767					38,361	171,255
900	61,767	223, 395				******	95,367	425,745
901	222,694	590,560					142,837	637,665
902	363,330	899,930					138,713	619,255
903	371,745	888,094					189,753	846,310
904	275,927	808,022			20,984	78,936	257,172	1,148,090
905	386,366	1,054,712			44,866	179,464	269,256	1,202,035
906	476,364	1,540,976			69,486	268,042	236,205	1,054,485
907	524,110	1,688,070			76,321	297,595	241,572	1,049,432
.908	505,929	1,658,151		********	75,645	309,019	276,683	1,482,191
909	492,992	1,608,092			87,233	366,734	281,786	1,509,567
910	508,058	1,655,775	24,685	148,110	121,578	486,312	248,394	1,172,675
911	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
913	722,038	2,352,153	419,287	1,991,613	67,403	269,612	321,771	1,306,218
914	343,289	1,118,614	386,314	1,352,699	29,059		265,198	1,071,565
1915	585,873	1,905,766	285,251	1,141,004	23,826	95,394	275,523	1,116,562
1916	654,433 643,757	2,617,732 $3,218,785$	472,507 389,048	2,008,155 2,155,326	41,950 31,649	167,800 181,982	300,851 181,408	1,255,750 $1,106,488$

### Annual Exports of Coke.

Calendar Year.	Short Tons.	Value.	Calendar Year.	Short Tons.	Value.
	74-311	8			8
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	39,328
1901		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		168,571	1917	23,595	137,318
1907	70,617	320,357			

### Annual Imports of Oven Coke.

Calendar Year.	Short Tons.	Value.	Calendar Year.	Short Tons.	Value.
1907 1908 1909 1910 1911 1911	426,971 661,425 737,088 751,389	\$ 2,206,084 1,135,125 1,508,627 1,908,725 1,843,248 1,702,856	1913. 1914. 1915† 1916. 1917.	553,046	\$ 2,180,830 1,585,259 1,608,464 2,229,078 6,517,260

† Duty free.

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 Crows Nest Pass Coal Company at Fernie and Michel, and by the Canadian Collieries (Dunsmuir), Ltd., at Union Bay.

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 1917 included 8,277,078 gallons of tar; 9,941 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. 1902. 1903. 1904. 1905. 1906. 1907. 1908. 1908.	2,662,612 4,094,135 3,281,249 1,649,197 3,407,784 3,725,723 4,424,615 4,450,166 4,016,824	1,614 2,393 3,207 1,773 2,500 2,364 1,738 3,342 3,416	1910. 1911. 1912. 1913. 1914. 1915. 1916. 1917.	3,963,591 6,464,155 8,428,896 8,371,600 5,714,172 7,365,931 9,012,202 8,277,078	3,491 7,124 11,289 10,668 8,572 10,448 11,046 9,941

The imports of sulphate of ammonia in 1917 are reported as 566,969 pounds, valued at \$26,062 as against imports in 1916 of 293,096 pounds, valued at \$9,672, and 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 nine months ending December 31, 1917, were 8,047 tons, valued at \$693,377.

The export during the previous years has not been separately recorded.