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

Vol. 20

No. 3

QUARTERLY REPORT

ON

COAL AND COKE STATISTICS
FOR CANADA

JULY, AUGUST, SEPTEMBER, 1941

Published by authority of the Hon. James A. MacKinnon, M.P.,
Minister of Trade and Commerce

OTTAWA
EDMOND CLOUTIER
PRINTER TO THE KING'S MOST EXCELLENT MAJESTY
1941

50-0-27

LIST OF PUBLICATIONS

PREPARED IN THE

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MINERAL PRODUCTION (Mining and Metallurgy).

GENERAL REPORTS

- Preliminary Reports (semi-annual) on the Mineral Production of Canada.
- Monthly Reports on Canada's Leading Mineral Products.
- Annual Report on the Mineral Production of Canada. (In one volume).

COAL—

- Monthly and Quarterly Reports on Coal and Coke Statistics for Canada.
- Annual Report on Coal Statistics for Canada.

ANNUAL BULLETINS—

Metals—The Gold Mining Industry in Canada, which includes Alluvial Gold Mining, Auriferous Quartz Mining, Copper-Gold-Silver Mining, and tables showing Canadian and world production of Gold.—The Silver Mining Industry in Canada, which includes Silver-Cobalt-Arsenic Mining, Silver-Lead-Zinc Mining, and tables showing Canadian and world production of Arsenic, Cobalt, Lead, Silver and Zinc.—The Nickel-Copper Mining, Smelting and Refining Industry, which includes Canadian and world production of Nickel.—The Canadian and World Production of Copper.—Metals of the Platinum Group.—The Production of Miscellaneous Metals, including Antimony, Beryl, Bismuth, Cadmium, Chromite, Lithium, Manganese, Mercury, Molybdenite, Radium, Selenium, Tin, Titanium, Tungsten.—The Non-Ferrous Smelting and Refining Industry.

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- Manufactures of Non-Ferrous Metals.
- Manufactures of Non-Metallic Minerals.
- Chemicals and Allied Products.

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Quarterly—

- Production and Sales of Radio Sets in Canada.
- Sales of Electric Storage Batteries.

Monthly—

- Production of Iron and Steel in Canada.
- Automobile Statistics for Canada.

SPECIAL REPORTS—

- Directory of Chemical Industries, in Canada, as of January 1, 1938
- Consumption of Chemicals in Municipal Waterworks, 1938 and 1939.
- The Fertilizer Trade in Canada (annual).

DOMINION BUREAU OF STATISTICS

R. H. COATS, LL.D., F.R.S.C., F.S.S. (Hon.), Dominion Statistician

W. H. LOSEF, B.Sc., Chief of the Mining, Metallurgical and Chemical Branch.

COAL STATISTICS FOR CANADA

July, August and September, 1941

FOREWORD.—During the past nineteen years the Bureau has published comprehensive monthly reports on coal statistics, and for the past sixteen years, on both coal and coke statistics. These reports, similar in form to the present issue, have been printed on the fifteenth of the second following month. To expedite this service, it was decided, beginning with the issue for January, 1928, to restrict the monthly bulletin to a record of output, imports and exports data compiled by provinces and by kinds of coal; and to continue coke statistics as heretofore. This *monthly* bulletin is now being published about the twentieth of the next following month.

A *quarterly* report, of which the present publication is an example, contains revised data on production for each of the three months under review. All the other tables shown in the monthly report as it was published in previous years, are continued in this quarterly report which is prepared for publication about the fifteenth of the second following month after the end of the quarter.

The Canadian output of coal during July, August and September totalled 4,208,539 tons compared with 4,018,323 tons a year ago. Bituminous coal output during the third quarter amounted to 3,243,961 tons, sub-bituminous coal to 138,543 tons and lignite coal to 826,035 tons.

Production from Nova Scotia mines declined 19 per cent to 1,609,596 tons from the total for the third quarter of 1940. Alberta mines produced 1,789,445 tons, an increase of 37 per cent over the corresponding period of 1940. During the quarter under review, Alberta's output consisted of 1,004,981 tons of bituminous coal, 138,543 tons of sub-bituminous coal and 645,921 tons of lignite coal. Production in Alberta during the corresponding period of 1940 included 768,728 tons of bituminous, 135,838 tons of sub-bituminous and 397,620 tons of lignite. British Columbia operators reported an output of 502,800 tons as against 465,415 tons a year ago. Saskatchewan's coal output for the period totalled 180,033 as against 133,418 in 1940. New Brunswick operators mined 126,584 tons; a year ago, 133,852 tons were produced.

Canada imported 8,249,832 tons of coal during the third quarter of 1941, as against 6,921,435 tons during July, August and September, 1940. Imports included 1,307,032 tons of anthracite, 6,942,784 tons of bituminous and 16 tons of lignite.

Canada's coal supply (computed on the basis of production plus imports less exports) amounted to 12,316,126 tons against 10,787,346 tons for the third quarter of 1940.

Canadian coal mines employed 22,217 men in July, 23,816 men in August, and 24,838 men in September. On the average, these men produced 178.1 tons during the period, or 2.6 tons per man-day.

EXPLANATORY NOTES ON THE TABLES

The figures in this report are the latest available at time of printing, for each month in the quarter, on production, imports and exports of coal and coke, for Canada. Preliminary figures are published monthly. Finally revised data for the year are given in the *Annual Report on Coal Statistics*.

Output—

The output of coal from each district or county is shown for each month of the quarter under review; the total output during the calendar year to date and the output during the corresponding period of the previous year are also given.

Imports—

Imports of anthracite, bituminous and lignite coal are given separately for each province, the data showing the quantity imported during each month, the quarter, and the calendar year to date, with totals for the corresponding quarter in the preceding year. With regard to the table of imports, it is to be noted that the data given are not comparable with the imports statistics published in the *Reports of the Trade of Canada*. The quantity of coal shown herein as imported represents the total amount of coal from the United States, Great Britain and other countries arriving during the month. There is thus included some coal which has not been cleared from Customs, while the *Reports of the Trade of Canada* show only the quantity of coal actually cleared from Customs for consumption in Canada. It often happens that large quantities of bituminous coal are brought into Canada but are not cleared from Customs until required for use, owing to the fact that there is a duty on all bituminous coal imported—preferential tariff, 35 cents a ton; intermediate tariff, 75 cents a ton; and general tariff, 75 cents a ton.

Exports—

Exports of Canadian coal by provinces are shown; these data do not necessarily show the province of origin. Coal mined in one province is sometimes shown as exported from another province, a notable instance being that the bulk of coal exported from the province of Alberta is shipped through the Customs ports of Fernie and Cranbrook, in British Columbia.

Coal made available for Consumption in Canada—

In Table No. 2 the total quantities of coal mined in each month have been added to the total quantities imported. From this aggregate there has been deducted the quantity of Canadian coal exported during the month. The amount remaining is the tonnage of coal made available for consumption during each of the months reported.

Tonnage Lost—

A plan has been worked out by the Bureau which is now being applied in every coal-producing province, and the following outline of the procedure is given, in order that the reader may clearly understand how the data in Table 4 were obtained.

For each month the actual output and the actual number of day's work done by all employees on the colliery pay-rolls are determined and from these two figures the output per man-day is deduced. The number of individual shifts lost by the men whose names are on the colliery pay-roll for the month is recorded, and the total number of shifts so lost is multiplied by the actual tonnage produced per man-day during the month. This lost tonnage plus the actual output of the mine during the month is regarded as the possible output and the percentages given in Table 4 showing the proportions produced and lost, are computed from these figures. The tonnage lost during the quarter is analyzed in percentages according to the cause of loss.

Table 1.— Summary of the Principal Coal Statistics for Canada

(Short tons)

	July 1941	August 1941	Sept. 1941	Three months ending Sept. 30th		Calendar year to date, nine months ending Sept. 30th		Percentage relations			
				1941	1940	1941	1940	(2)	(3)	(4)	(6)
								to (1)	to (2)	to (5)	to (7)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Output	1,213,659	1,401,960	1,593,020	4,208,539	4,918,323	12,667,659	12,283,436	116	114	105	103
Imports	2,634,211	2,702,485	2,913,136	8,249,832	6,921,435	14,283,315	13,648,566	103	103	119	105
Exports	55,073	42,289	44,883	142,245	152,412	346,634	371,521	77	106	93	93
Coal made available	3,792,697	4,062,156	4,461,273	12,316,126	10,787,316	26,604,931	25,566,481	107	110	114	104

Table 7.—Imports of Coal and Coke into Canada, by Kinds and by Provinces, during the Third Quarter, 1941

(Short tons)

Province	Coal						Coke	
	Anthracite				Bitumi- nous	Lignite	Made from	
	Grate, egg, stov. c. nut, doubles, cobles and trebles	Screen- ings or dust	Pens, beans and smaller sizes, N.O.P.	Total			Coal	Petro- leum
Prince Edward Island.....	5,097	-	-	5,097	-	-	-	-
Nova Scotia.....	9,890	24	2,232	12,146	33,006	-	58	-
New Brunswick.....	23,198	-	-	23,198	14,449	-	-	-
Quebec.....	295,166	24,813	251,988	571,967	1,179,197	-	12,978	34,978
Central Ontario.....	576,159	2,251	112,128	690,538	5,400,857	-	163,334	33,025
Head of Lakes.....	3,031	-	-	3,031	312,357	-	4,993	-
Manitoba.....	-	-	1,055	1,055	2,102	-	2,286	45
Saskatchewan.....	-	-	-	-	198	-	-	-
Alberta.....	-	-	-	-	146	-	-	-
British Columbia.....	-	-	-	-	472	16	120	-
Yukon.....	-	-	-	-	-	-	-	-
CANADA.....	912,511	27,088	367,403	1,307,632	6,942,784	16	183,769	68,018

NOTE.—For the duration of the war no further details on imports of coal and coke will be shown.

Table 8.—Exports of Canadian Coal and Coke, by Provinces, 1941

(Short tons)

Province	Coal								Coke made from coal			
	Bituminous				Lignite				July	Aug.	Sept.	Year to date
	July	Aug.	Sept.	Year to date	July	Aug.	Sept.	Year to date				
Prince Edward Island.....	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia.....	26,304	21,547	15,823	128,965	-	-	-	-	9	-	20	103
New Brunswick.....	15,867	12,469	13,573	106,023	-	-	-	-	-	-	1	34
Quebec.....	-	-	-	841	-	-	-	-	245	10	10	448
Ontario.....	2	-	-	2	-	-	-	-	748	121	288	1,226
Manitoba.....	-	-	39	460	-	-	-	38	-	-	-	-
Saskatchewan.....	-	-	3	29	7	7	154	666	-	-	-	-
Alberta.....	68	17	164	600	2	4	24	554	-	-	-	30
British Columbia.....	12,823	8,105	14,663	106,151	-	140	440	1,675	2,683	2,295	3,856	26,881
Yukon.....	-	-	-	-	-	-	-	-	-	-	-	-
Total for Canada.....	55,064	42,138	44,265	343,071	9	151	618	2,963	3,635	3,426	4,175	24,722

Table 9.—Exports of Petroleum Coke from Canada, by Provinces, 1941

(Short tons)

Province	July	August	September	Year to date
Nova Scotia.....	-	-	-	-
New Brunswick.....	-	-	-	949
Quebec.....	225	225	250	1,329
Ontario.....	3,681	3,594	4,314	15,740
British Columbia.....	-	-	-	-
Total Canada.....	3,906	3,819	4,564	18,018

COKE STATISTICS FOR CANADA

July, August and September, 1941

Production of coke in Canada during the third quarter of 1941 totalled 788,518 tons compared with 760,546 tons made in the previous quarter and with 767,719 tons in the third quarter of a year ago.

Compared with data for the corresponding period of a year ago figures for the three months under review show an increase in Ontario to 460,057 tons from 446,342 tons, in the east a decrease to 255,345 tons from 264,216 tons, and in the west an increase to 73,116 tons from 57,161 tons.

Table 10.—Coal Used in Coke-making and Coke Produced, by Months, 1941

(Exclusive of petroleum coke)

Month	Bituminous coal used in coke making			Coke made
	Canadian	Imported	Total	
January.....	134,000	239,421	373,421	267,899
February.....	115,448	194,940	310,388	239,587
March.....	128,785	242,831	371,616	266,430
April.....	115,745	233,565	349,310	253,013
May.....	117,320	242,906	360,226	259,789
June.....	109,375	237,751	347,126	247,744
July.....	114,013	246,443	360,456	259,155
August.....	123,662	248,147	371,809	266,421
September.....	129,830	239,737	369,567	262,942
Total.....	1,088,178	2,125,741	3,213,919	2,322,960

Table 11.—Disposition of Coke by the Producers, by Months, 1941

(Exclusive of petroleum coke)

—	Used		Sold				Total disposed of
	In coke or gas plants	In makers' smelters	Direct to consumers		To dealers for resale	For export	
			For domestic use	For other uses			
(tons of 2,000 pounds)							
January.....	21,854	107,289	32,471	51,715	108,521	3,639	325,489
February.....	20,658	95,095	27,822	47,799	87,739	2,600	281,713
March.....	21,542	103,506	24,194	49,858	74,527	2,987	276,614
April.....	19,390	104,780	17,320	51,478	41,586	3,017	237,571
May.....	18,038	113,464	12,887	48,585	34,054	2,728	229,756
June.....	16,184	111,688	10,463	43,254	44,191	2,623	228,403
July.....	14,018	104,300	11,085	54,068	62,653	2,561	248,685
August.....	15,062	102,932	10,357	50,248	57,662	2,791	239,052
September.....	18,106	113,336	14,089	56,476	70,984	3,468	276,459
Total.....	164,852	956,399	169,688	453,481	581,917	26,414	2,343,742

Table 12.—Production of Coke in Canada, by Months, 1937-1941

(Exclusive of petroleum coke)

Month	1937	1938	1939	1940	1941
(Thousands of tons of 2,000 pounds)					
January.....	218	224	203	257	268
February.....	198	199	177	225	240
March.....	221	218	191	239	266
April.....	214	208	184	237	253
May.....	218	208	196	252	260
June.....	210	192	189	249	248
July.....	212	183	190	259	259
August.....	214	182	193	257	266
September.....	208	184	188	252	263
Total for 9 months.....	1,913	1,798	1,711	2,227	2,323

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