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

PRELIMINARY REPORT

ON THE

MINERAL PRODUCTION OF
CANADA

DURING THE SIX MONTHS ENDING
JUNE 30, 1928

(With Revised Statistics for the Calendar Year 1927)

AUGUST 21, 1928

Published by Authority of the Hon. James Malcolm, M.P.,
Minister of Trade and Commerce



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LIST OF PUBLICATIONS

PREPARED IN THE

MINING, METALLURGICAL AND CHEMICAL BRANCH DOMINION BUREAU OF STATISTICS

MINERAL PRODUCTION (Mining and Metallurgy).

General Reports—

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

Annual Report on the Mineral Production of Canada. (In one volume).

A comprehensive record of the mining industry embodying historical and world data, detailed information on mineral production, imports and exports for Canada and general statistics relative to the mining industry on capital investment, employment, fuel consumption and power equipment. Arranged in 11 chapters each dealing with a particular branch of the industry. Statistics on production and trade in mineral products appear in detail in the appropriate chapters. A list of operating companies with their office and plant addresses is included. Fully indexed. Chapter titles are: Canada—The Provinces—The Gold Mining Industry—The Silver Mining Industry—The Nickel-Copper Industry—Miscellaneous Metal Mining Industries—The Non-Ferrous Smelting and Refining Industry—The Coal Mining, Coke, Natural Gas, Peat and Petroleum Industries—Miscellaneous Non-Metal Mining Industries—The Clay Products and Other Structural Materials Industries—Directory of Reporting Firms—Notes on the Methods of Computing Values—Index.

Coal—

Monthly and Quarterly Reports on Coal and Coke Statistics for Canada.

A condensed report on production, imports and exports of coal and coke is issued monthly, publication being made about the fifteenth of the next following month.

A more general review is published quarterly, showing statistics for each month, for the quarter, and for the year to date on the output by coal-mining districts and by provinces, imports and exports by ports and by kinds of coal, employment in coal-mining, and tonnage lost. There is also a section on coke showing production, imports, exports, distribution and consumption by months and by provincial groups.

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Text and tables showing, for Canada, and for each of the coal-producing provinces, historical and current data on output, tonnage lost, disposition of coal from the mines, domestic and foreign shipments, exports and imports by ports, consumption of coal, prices, employment, salaries and wages paid, power equipment, capital investment, etc.

Bulletins—

(a) **PRODUCTION—**

Metals.—Arsenic — Cobalt — Copper — Gold — Iron Ore — Lead — Nickel — Metals of the Platinum Group — Silver — Zinc — Miscellaneous Non-Ferrous Metals including Aluminium, Antimony, Chromite, Manganese, Mercury, Molybdenum, Tin, Tungsten.

Non-Metals.—Abrasives—Asbestos—Coal—Feldspar—Gypsum—Iron Oxides—Mica—Natural Gas — Petroleum — Quartz — Salt — Talc and Soapstone — Miscellaneous Non-Metallic Minerals including Actinolite, Barytes, Fluorspar, Graphite, Magnesite, Magnesium Sulphate, Mineral Waters, Natro-Alunite, Phosphate, Pyrites, Sodium Carbonate, Sodium Sulphate.

Structural Materials.—Cement—Clay and Clay Products—Lime—Sand and Gravel—Stone and Slate.

(b) **MINERAL INDUSTRY.**—Each bulletin in this group shows in synopsis, material to be published subsequently as one chapter of the annual report on the *Mineral Production of Canada*. These bulletins are published in mimeograph form from time to time during the year as the necessary material becomes available.

By Industries.—Gold Mining Industry including Alluvial Gold, Auriferous Quarts and Copper-Gold-Silver Mining—Silver-Cobalt and Silver-Lead-Zinc Industry—Nickel-Copper Industry—Miscellaneous Metal Mining Industries—The Non-Ferrous Smelting and Refining Industry—The Coal Mining, Coke, Natural Gas, Peat and Petroleum Industries—Miscellaneous Non-Metal Mining Industries—The Clay Products and Other Structural Materials Industries.

By Provinces.—Nova Scotia—New Brunswick—Quebec,—Ontario—Manitoba—Saskatchewan—Alberta—British Columbia—Yukon.

SEE INSIDE BACK COVER FOR PUBLICATIONS ON MANUFACTURES BASED CHIEFLY ON MINERALS.

PREFACE

In the preliminary report on the mineral production of Canada for 1927, published in February of the present year, it was pointed out that Canada's production had attained a new record value for all time. In the present report a continuance of the prosperous conditions prevailing last year is indicated; many commodities were produced in greater quantities during the half-year ending June, 1928, than during the first six months of 1927.

Readers of this report will observe that a change has been made in the format with a view to presenting the essential information in as concise form as possible so that the greatest economy may be effected. Comment on the tables has been reduced to a minimum but the tabular matter has been so arranged that the desired information is readily obtainable.

As in previous reports for the half-year there have been included in this report finally revised figures on the mineral production of Canada during the calendar year 1927. In addition figures are given for the metals and non-metals for the six months ending June, 1928, and comparable data are presented for the first half of the year 1927.

As in the previous year, the Bureau continued to work co-operatively in the collection of coal statistics with the provinces of Nova Scotia, New Brunswick, Saskatchewan, Alberta and British Columbia.

Co-operative collection of general mineral production reports, for the joint use of the Bureau and the provincial governments of Quebec, Ontario and British Columbia, was continued with very satisfactory results.

The Bureau desires to acknowledge its indebtedness in this respect and to thank the several provincial governments for their valuable assistance in the collection of statistics on the Canadian mineral industry.

The cordial thanks of the Bureau are also tendered to the mine and smelter operators, to the Mining Lands Branch of the Department of the Interior, and to the Dominion Department of Mines, for assistance given and information made available. The railway and other transportation companies as well as smelter operators outside of Canada have also furnished data, the receipt of which is gratefully acknowledged.

The report has been prepared by Mr. W. H. Losee, B.Sc., under the direction of Mr. S. J. Cook, B.A., A.I.C., F.C.I.C., Chief of the Mining, Metallurgical and Chemical Branch of the Bureau.

R. H. COATS,
Dominion Statistician.

DOMINION BUREAU OF STATISTICS,
August 21, 1928.

DOMINION BUREAU OF STATISTICS

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

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

PRELIMINARY REPORT ON THE MINERAL PRODUCTION OF CANADA

DURING THE SIX MONTHS ENDING JUNE 30, 1928

Gains in the production of metals and non-metals in Canada during the six months ending June 30, 1928, over the totals for the first half of 1927, raised the output value this year nearly seven million dollars above the total for the corresponding period of last year. Metals and non-metals produced from Canadian ores during the first half of this year reached a value of \$105,632,571, as compared with \$99,037,814 for the six months ending June 30, 1927. Production of all metals except arsenic, silver and platinum was greater this year than last. Some of the non-metals failed to reach as high output values as were reported for the first half of 1927, but in the aggregate, the output value for this class was \$96,000 above the corresponding figures for the first half of last year. No reports were obtained from producers of clay products and other structural materials, because of the recognized seasonal nature of operations in this field; figures for the half-year ending June would not be representative of half the annual output in this class.

Metals showed the most outstanding advance. Production values for the half-year reached \$62,967,411, as compared with \$56,468,412 in the first half of 1927, a gain of 6.5 million dollars.

Gold scored a further gain. Valued at \$18,734,015, the production for the half-year was nearly one million dollars greater than the total for the first half of 1927, reported at \$17,840,434. Ontario produced more than 85 per cent of this output, the slight loss in the Porcupine production being much more than offset by the 46 per cent increase in the half-year's output from the Kirkland Lake area, where more than six million dollars' worth of gold was produced during the period.

British Columbia, second among the gold producers, showed gains in the gold content of base bullion and ores exported, more gold bullion, but less in the form of alluvial gold and in blister copper. Unexpected difficulties were encountered by the Kafue Copper Mining Company and the operation of the big dredge owned by this company was discontinued during the period.

Gold in blister copper and in ores exported from Quebec surpassed half a million dollars in value, thus establishing the province of Quebec as an important gold producer. The great smelter at Noranda, blown in just before the close of 1927, operated at a steadily increasing rate during the period. Most of the gold reported during the half-year was contained in blister copper made at Noranda.

Copper, Canada's second most important metal in point of value, was produced in British Columbia, Ontario and Quebec. More than half of the output originated in British Columbia, nearly one-third in Ontario and about 15 per cent of the production came from Quebec. Canada's output of copper in the half-year reached a total of 93,288,209 pounds valued at \$12,569,660 as compared with 73,619,657 pounds worth \$9,075,634 produced in the first half of 1927.

Nickel production showed a great gain. During the half-year, production from Ontario, which supplies more than 90 per cent of the world's needs for this metal, reached 46,463,107 pounds valued at \$10,625,702, marking a gain of about one-third both in quantity and value over the totals for the first half of 1927.

Lead reached a greater tonnage but, because of prevailing lower prices, the total value of the output was slightly below the figures for the first half of 1927. The gain in tonnage to a total of 175,985,342 pounds in the half-year was nearly 16 per cent above the total for the first half of 1927. British Columbia produced nearly 95 per cent of the Canadian output, the remainder being obtained in nearly equal quantities from Quebec, Ontario and the Yukon.

Silver, at 10,792,789 fine ounces worth \$6,279,784 failed to reach the totals obtained in the first half of 1927 when the recorded production was 11,723,218 fine ounces valued at \$6,612,833. Production in Quebec, British Columbia, and the Yukon was maintained near or above the totals recorded for the first half of 1927 but the output from Ontario dropped from 4,948,888 fine ounces to 3,498,192 fine ounces, a loss of 1,450,696 fine ounces in the totals for the half-years ending June 30.

Zinc production at 93,058,536 pounds valued at \$5,188,013 was 35 per cent greater in quantity and 16 per cent higher in value than the figures of 69,282,179 pounds and \$4,484,774 for the first half of 1927. British Columbia produced 83,590,000 pounds of zinc, and the remainder was obtained from Quebec.

In the non-metal field production of fuels including coal, natural gas and crude petroleum were of considerable importance. Coal production in the half-year amounted to 8,248,500 short tons having a value of \$28,943,945 as compared with 8,424,631 tons worth \$29,695,818 produced during the first half of 1927. Less coal was mined in Nova Scotia and New Brunswick this year than last but increased outputs were reported for the half-year in Saskatchewan, Alberta and British Columbia. There was also a very considerable reduction in the quantities of coal imported into Canada and a slight reduction in the amount exported. Coal made available for use during the half-year was computed to be 14,510,798 short tons as against 17,404,627 tons made available during the first half of last year.

Natural gas production at 12,721,069 M. cu. ft. worth \$4,842,162 showed a gain of 1.4 million M. cu. ft. Most of the increased production was from wells in Alberta but there were also gains in the output of gas from wells in Ontario and New Brunswick.

Petroleum production increased very appreciably in the first half of 1928 as compared with the figures for the first half of 1927. Here again the gain was in Alberta; Ontario and New Brunswick production figures were below the totals for last year.

Chief among the other non-metals produced in Canada is asbestos. Higher average prices for this product raised the total sales value to \$4,892,209 for 120,792 tons as against \$4,685,706 for 123,730 tons produced during the first half of 1927. Canada produces over 85 per cent of the world's supply of asbestos and the entire production in Canada is obtained from the eastern townships in the province of Quebec. Crude No. 1 asbestos was quoted in New York at an average price of \$642 per short ton during the first half of 1928 as against an average price of \$525 in the first half of 1927; sales from Canadian mines netted the producers an average of \$543.90 per short ton for this grade during the first half of 1928.

Gypsum was produced in Nova Scotia, New Brunswick, Ontario, Manitoba and British Columbia during the period under review. Production amounted to 403,982 short tons valued at \$1,421,457 marking an appreciable advance over the totals of 331,893 tons valued at \$1,175,850 reported for the first half of 1927. Most of the product was sold as "crushed" but there were also shipments of lump or run of mine, fine ground and calcined gypsum. Except in the figures for fine ground, which were lower this year than last, there were gains in both output tonnage and value figures in each of the other grades.

Salt production, mostly from Ontario but in less amount from Nova Scotia, reached a higher tonnage but a slightly lower total value this year than last. Production amounting to 143,027 short tons was valued at \$783,478.

Quartz production showed a slight improvement during the half-year in comparison with the figures for the first half of 1927; 99,845 tons valued at \$221,845 were produced. Ontario, Quebec, British Columbia and Nova Scotia were the producing provinces.

Feldspar, magnesite, talc and soapstone were the other principal items in the non-metal field but in addition to these there was a considerable production of a great many other commodities; details regarding these products are given in the tables.

Following the establishment of a new high record for mineral production of Canada in 1927 when the total output from all the mining industries reached a value of \$247,356,695, the fact that many of the principal commodities reached higher totals in the first half of 1928 than were recorded during the first half of 1927, points to a continuance of prosperity in the mining industry and forecasts the possibility of new records being established when the totals for the present calendar year are compiled. In almost every field notable advances in production have been made. There were a few setbacks during the first half of 1928 but these have been overshadowed by the spectacular advances in other sections of the industry.

Monthly records of employment collected by the Bureau and computed as an index number (January, 1920 = 100) showed an average of 106.7 for general mining during the half-year ending June, 1928, as compared with 99.2 for the corresponding half-year in 1927. In January, 1928, the index stood at 107.6 and in February at 108.2; but thereafter it declined slightly in March and April, recovering to 106.6 in May and 107.3 in June. Coal mining showed an average employment index of 87.8 as compared with 85.9 in the first half of last year. Beginning the year at 92.5 the index gradually dropped each month to 82.1 in June. Metal mining, in contrast, with an average for the half-year of 182.0 as against 155.2 for the first half of 1927, showed a steady advance month by month from 177.0 in January to 187.5 in June. Non-metal mines showed a similar improvement in employment, the index ranging from 99.7 in January, steadily upward to 137.8 in June, with an average for the period of 111.2 as compared with 98.5 for the first half of 1927.

Thus, from the general index for mining it appears that employment in this industry was, on the average, 7 per cent higher during the six months ending June, 1928, than during the first half of 1927 and that in metal and non-metal mining particularly, the improvement this year was in the neighbourhood of 15 per cent over the records for the first half of last year.

The Bureau's index numbers of articles of mineral origin, raw or partly manufactured, indicate a slightly lower price level for the first six months of 1928 as compared with the same months in 1927. In January, 1927, the index was 153.9 and in January, 1928, it had fallen to 151.9. During May and June of both years the index was around 151. The range in 1927 for the six months was from 151.0 to 153.9 while in 1928 it was from 150.5 to 151.9, showing, therefore, greater stability. Chief among the influences affecting the index numbers were lower prices for pig iron, steel billets, lead, spelter and tin. As compared with most of 1927, silver prices averaged higher during the first six months of 1928. Copper reached higher levels than prevailed at any time in 1927.

**Mineral Production of Canada for the Twelve Months ending December 31, 1927, and
also for the period January 1 to June 30, 1927 and 1928.**

		1927 12 months		1927 January 1 to June 30		1928 January 1 to June 30	
		Quantity	Value	Quantity	Value	Quantity	Value
METALLICS			\$		\$		\$
Arsenic.....	lb.	6,227,968	211,979	3,667,004	131,514	2,859,944	93,678
Bismuth.....	lb.	2,072	1,003	-	-	7,957	8,302
Cadmium.....	lb.	-	-	-	-	161,908	80,954
Cobalt.....	lb.	880,590	1,764,534	392,837	765,748	613,044	822,603
Copper.....	lb.	140,147,440	17,195,487	73,619,657	9,075,634	93,288,209	12,569,660
Gold.....	fine oz.	1,852,785	38,300,464	863,031	17,840,434	906,258	18,734,015
Iron ore sold for export.....	tons	2,029	8,980	830	4,490	-	-
Lead.....	lb.	311,423,161	16,477,139	152,275,563	8,803,676	175,985,342	7,938,555
Nickel.....	lb.	66,798,717	15,262,171	34,781,199	8,008,823	46,463,107	10,625,702
Palladium, Rhodium, etc.....	fine oz.	11,545	554,190	5,796	315,940	6,336	281,953
Platinum.....	fine oz.	11,228	717,613	5,374	424,546	5,035	344,192
Silver.....	fine oz.	22,736,698	12,816,677	11,723,218	6,612,833	10,792,789	6,279,784
Zinc.....	lb.	165,495,525	10,250,793	69,282,179	4,484,774	93,058,536	5,188,013
Total		-	113,561,030	-	56,468,412	-	62,967,411
NON-METALLICS							
Fuels							
Coal.....	tons	17,426,861	61,867,463	8,424,631	29,695,818	8,248,500	28,943,045
Natural gas.....	M cu. ft.	21,376,791	8,043,010	11,347,648	4,614,438	12,721,069	4,842,162
Petroleum, crude.....	brl.	476,591	1,516,043	244,217	776,824	301,562	965,758
Total		-	71,426,516	-	35,087,080	-	34,751,865
Other Non-Metallics							
Actinolite.....	tons	86	1,075	-	-	70	875
Asbestos.....	tons	274,778	10,621,013	123,730	4,685,706	120,792	4,892,209
Barytes.....	tons	56	1,268	35	771	56	1,256
Bituminous sands.....	tons	2,706	10,824	291	1,164	33	133
Diatomite.....	tons	266	6,650	-	-	76	1,638
Feldspar.....	tons	29,849	259,151	15,926	139,152	14,925	122,926
Garnets.....	tons	2	150	-	-	-	-
Graphite.....	tons	1,829	111,656	899	57,591	769	38,719
Grindstones.....	tons	2,251	125,017	-	-	-	-
Gypsum.....	tons	1,063,117	3,351,015	331,893	1,175,850	403,982	1,421,457
Iron oxides.....	tons	6,125	103,536	2,791	37,610	1,414	35,720
Magnesite.....	tons	7,337	230,309	2,801	81,344	4,396	108,236
Mica.....	tons	2,738	174,377	1,205	99,577	1,778	34,924
Mineral water.....	Imp. gal.	303,530	14,624	121,611	12,850	137,053	7,094
Natro-alunite.....	tons	7	248	-	-	-	-
Phosphate.....	tons	151	1,717	69	893	345	4,485
Pyrites.....	tons	50,863	198,388	21,418	78,931	31,000	65,681
Quartz.....	tons	233,984	496,364	97,156	179,216	99,845	221,845
Salt.....	tons	268,672	1,614,667	124,166	785,484	143,027	783,478
Silica brick.....	M	1,791	79,527	466	23,250	1,262	64,417
Sodium carbonate.....	tons	805	9,995	271	2,710	136	1,450
Sodium sulphate.....	tons	5,659	11,319	2,471	4,943	1,979	3,958
Talc and soapstone.....	tons	16,521	236,105	7,831	113,670	7,288	98,850
Volcanic dust.....	tons	105	735	230	1,610	192	3,945
Total		-	17,559,730	-	7,482,322	-	7,913,295
CLAY PRODUCTS AND OTHER STRUCTURAL MATERIALS							
Clay Products							
Brick—Soft mud process—							
Face.....	M	15,764	325,966	-	-	-	-
Common.....	M	66,357	1,091,274	-	-	-	-
Stiff mud process (wire cut)—							
Face.....	M	95,480	2,024,064	-	-	-	-
Common.....	M	150,222	2,239,180	-	-	-	-
Dry press—							
Face.....	M	39,753	833,570	-	-	-	-
Common.....	M	14,617	187,062	-	-	-	-
Fancy or ornamental brick.....	M	620	29,372	-	-	-	-
Sewer brick.....	M	10,997	210,643	-	-	-	-
Paving brick.....	M	50	2,106	-	-	-	-
Firebrick.....	M	5,388	246,266	-	-	-	-
Fireclay and other clay.....	tons	5,094	36,081	-	-	-	-
Fireclay blocks and shapes.....	\$	-	100,659	-	-	-	-
Hollow blocks.....	tons	151,307	1,431,141	-	-	-	-
Roofing tile.....	No.	2,000	140	-	-	-	-
Floor tiles (quarries).....	sq. ft.	135,285	32,559	-	-	-	-
Drain tile.....	M	22,259	598,098	-	-	-	-
Sewer pipe, copings, flue linings, etc.....	tons	77,262	1,475,875	-	-	-	-
Pottery, glazed or unglazed.....	\$	-	307,057	-	-	-	-
Other clay products.....	\$	-	2,076	-	-	-	-
Total		-	11,173,189	-	-	-	-
Other Structural Materials							
Cement.....	brls.	10,065,865	14,391,937	-	-	-	-
Lime.....	bush.	12,707,221	3,923,388	-	-	-	-
Sand and gravel.....	tons	22,952,819	6,055,601	-	-	-	-
Stone.....	tons	7,306,436	9,265,304	-	-	-	-
Total		-	33,636,730	-	-	-	-
Grand total		-	247,356,695	-	-	-	-

Finally Revised Statistics on the Mineral Production of Canada, by Provinces, 1927

	Nova Scotia	New Brunswick	Quebec	Ontario	Mani- toba	Seskat- chewan	Alberta	British Columbia	Yukon
METALLICS.									
Arsenic..... lb.	35,000	-	-	4,961,178	-	-	-	1,231,790	-
\$	700	-	-	197,668	-	-	-	13,611	-
Bismuth..... lb.	-	-	-	2,072	-	-	-	-	-
\$	-	-	-	1,003	-	-	-	-	-
Cobalt..... lb.	-	-	-	880,590	-	-	-	-	-
\$	-	-	-	1,764,534	-	-	-	-	-
Copper..... lb.	-	-	3,119,848	45,341,295	-	-	-	91,686,297	-
\$	-	-	403,084	4,946,533	-	-	-	11,845,870	-
Gold..... fine oz.	3,151	-	8,331	1,627,050	182	-	42	193,094	30,935
\$	65,137	-	172,217	33,634,108	3,762	-	868	3,784,889	639,483
Iron ore sold for ex- port..... tons	-	-	2,029	-	-	-	-	-	-
\$	-	-	8,980	-	-	-	-	-	-
Lead..... lb.	-	-	6,496,577	7,990,709	-	-	-	292,770,544	4,165,331
\$	-	-	341,461	528,729	-	-	-	15,388,020	218,929
Nickel..... lb.	-	-	-	66,798,717	-	-	-	-	-
\$	-	-	-	15,262,171	-	-	-	-	-
Palladium, Rhodi- um, etc..... fine oz.	-	-	-	11,545	-	-	-	-	-
\$	-	-	-	554,190	-	-	-	-	-
Platinum..... fine oz.	-	-	-	11,217	-	-	-	11	-
\$	-	-	-	716,653	-	-	-	960	-
Silver..... fine oz.	125	-	740,864	9,307,953	12	-	4	11,040,445	1,647,295
\$	70	-	417,625	5,246,893	7	-	3	6,223,499	928,580
Zinc..... lb.	-	-	17,189,046	-	-	-	-	148,306,479	-
\$	-	-	1,064,690	-	-	-	-	9,186,103	-
Total..... \$	65,907	-	2,408,057	62,852,482	3,769	-	871	46,442,952	1,786,992
NON-METALLICS									
<i>Fuels</i>									
Coal..... tons	7,071,876	203,950	-	-	-	470,216	6,934,162	2,746,243	414
\$	27,194,671	885,038	-	-	-	868,867	21,982,058	10,934,777	2,052
Natural gas.... M cu. ft.	-	630,755	-	7,311,215	200	-	13,434,621	-	-
\$	-	124,637	-	4,331,780	60	-	3,586,533	-	-
Petroleum, crude... bbl.	-	18,244	-	139,606	-	-	318,741	-	-
\$	-	41,748	-	288,347	-	-	1,185,948	-	-
Total.....	27,194,671	1,051,423	-	4,623,127	60	868,867	26,754,539	10,934,777	2,052
<i>Other Non-Metallics</i>									
Actinolite..... tons	-	-	-	86	-	-	-	-	-
\$	-	-	-	1,075	-	-	-	-	-
Asbestos..... tons	-	-	274,778	-	-	-	-	-	-
\$	-	-	10,621,013	-	-	-	-	-	-
Barytes..... tons	56	-	-	-	-	-	-	-	-
\$	1,268	-	-	-	-	-	-	-	-
Bituminous sands... tons	-	-	-	-	-	-	2,706	-	-
\$	-	-	-	-	-	-	10,824	-	-
Diatomite..... tons	266	-	-	-	-	-	-	-	-
\$	6,650	-	-	-	-	-	-	-	-
Feldspar..... tons	-	-	12,730	17,119	-	-	-	-	-
\$	-	-	104,618	154,533	-	-	-	-	-
Garnets..... tons	-	-	2	-	-	-	-	-	-
\$	-	-	150	-	-	-	-	-	-
Graphite..... tons	-	-	34	1,795	-	-	-	-	-
\$	-	-	2,043	109,613	-	-	-	-	-
Grindstones..... tons	11	1,860	-	-	-	-	-	380	-
\$	220	97,197	-	-	-	-	-	27,600	-
Gypsum..... tons	829,438	85,293	-	83,098	39,895	-	-	24,493	-
\$	1,512,015	524,550	-	600,688	512,008	-	-	201,754	-
Iron oxides..... tons	-	-	5,931	-	-	-	-	194	-
\$	-	-	102,186	-	-	-	-	1,350	-
Magnesite..... tons	-	-	7,337	-	-	-	-	-	-
\$	-	-	230,309	-	-	-	-	-	-
Mica..... tons	-	-	1,454	1,284	-	-	-	-	-
\$	-	-	99,194	75,183	-	-	-	-	-
Mineral water imp. gals.	-	-	10,330	293,200	-	-	-	-	-
\$	-	-	1,813	12,811	-	-	-	-	-
Natro-alunite..... tons	-	-	-	-	-	-	-	7	-
\$	-	-	-	-	-	-	-	248	-
Phosphate..... tons	-	-	31	82	-	-	-	38	-
\$	-	-	399	824	-	-	-	494	-
Pyrites..... tons	-	-	13,021	463	-	-	-	37,379	-
\$	-	-	42,795	6,077	-	-	-	149,516	-
Quartz..... tons	4,834	-	49,141	159,150	-	-	-	20,859	-
\$	16,721	-	132,615	266,204	-	-	-	80,824	-
Salt..... tons	14,391	-	-	254,181	-	-	-	-	-
\$	102,590	-	-	1,610,777	-	-	-	-	-
Silica brick..... M	1,238	-	-	553	-	-	-	-	-
\$	50,978	-	-	28,549	-	-	-	-	-

Finally Revised Statistics on the Mineral Production of Canada, by Provinces, 1927
—Concluded—

	Nova Scotia	New Brunswick	Quebec	Ontario	Mani- toba	Saskat- chewan	Alberta	British Columbia	Yukon
<i>Other Non-Metallics</i> —Concluded—									
Sodium carbonate... tons	-	-	-	-	-	-	-	806	-
\$	-	-	-	-	-	-	-	9,995	-
Sodium sulphate... tons	-	-	-	-	-	5,659	-	-	-
\$	-	-	-	-	-	11,319	-	-	-
Talc and soapstone... tons	-	-	1,276	15,138	-	-	-	107	-
\$	-	-	51,504	181,981	-	-	-	2,620	-
Volcanic dust... tons	-	-	-	-	-	105	-	-	-
\$	-	-	-	-	-	735	-	-	-
Total..... \$	1,690,442	621,747	11,388,639	2,848,315	512,008	12,054	12,124	474,401	-
<i>CLAY PRODUCTS AND OTHER STRUCTURAL MATERIALS</i> <i>Clay Products</i>									
<i>Brick—</i>									
<i>Soft mud process—</i>									
Face..... M	35	-	83	15,646	-	-	-	-	-
\$	735	-	1,243	323,088	-	-	-	-	-
Common..... M	972	2,885	6,167	43,385	1,132	863	2,305	11,348	-
\$	12,893	44,100	63,353	740,664	18,100	10,592	28,461	173,111	-
<i>Stiff mud process (wire cut)—</i>									
Face..... M	11,345	-	24,762	65,894	143	1,419	1,545	372	-
\$	31,068	-	577,348	1,321,604	3,800	42,711	35,613	11,920	-
Common..... M	3,587	-	106,341	21,177	7,391	5,709	5,619	98	-
\$	47,549	-	1,627,330	310,344	122,019	66,654	62,892	2,392	-
<i>Dry press—</i>									
Face..... M	-	-	2,134	32,699	947	576	2,448	949	-
\$	-	-	63,047	641,903	21,921	19,197	48,467	39,035	-
Common..... M	-	-	-	1,147	-	-	13,470	-	-
\$	-	-	-	12,716	-	-	174,346	-	-
Fancy or orna- mental brick... M	-	-	101	519	-	-	-	-	-
\$	-	-	4,356	25,016	-	-	-	-	-
Sewer brick..... M	-	-	-	10,760	-	-	-	237	-
\$	-	-	-	202,920	-	-	-	7,723	-
Paving brick..... M	-	-	-	-	-	-	-	50	-
\$	-	-	-	-	-	-	-	2,106	-
Firebrick..... M	227	40	-	-	-	663	107	4,321	-
\$	14,050	2,216	-	-	-	37,085	5,850	187,065	-
Fireclay and other clay..... tons	2,688	53	24	-	-	1,008	-	1,321	-
\$	8,986	2,112	120	-	-	7,531	-	17,332	-
Fireclay blocks and slipes..... \$	525	-	-	-	-	61,634	-	38,500	-
Hollow blocks..... tons	8,793	-	25,034	86,690	1,552	6,500	15,345	7,393	-
\$	96,260	-	257,558	775,806	18,862	65,000	142,158	75,499	-
Roofing tile..... No.	-	-	-	2,000	-	-	-	-	-
\$	-	-	-	140	-	-	-	-	-
Floor tiles (quarries)..... sq. ft.	-	-	-	134,910	-	-	-	375	-
\$	-	-	-	32,490	-	-	-	69	-
Drain tile..... M	53	-	323	20,330	343	25	157	1,029	-
\$	1,610	-	13,336	521,957	16,762	800	8,992	34,641	-
Sewer pipe, copings, flue linings, etc..... tons	10,501	-	5,286	50,828	-	-	7,852	2,795	-
\$	202,741	-	126,035	852,187	-	-	205,591	89,331	-
Pottery, glazed or unglazed..... \$	-	38,757	-	91,300	-	-	177,000	-	-
Other clay products \$	-	-	1,012	-	-	-	-	1,064	-
Total..... \$	416,417	87,185	2,734,738	5,853,035	291,404	311,294	889,358	679,789	-
<i>Other Structural Materials</i>									
Cement..... brl.	-	-	4,636,751	3,751,786	551,698	-	601,699	523,931	-
\$	-	-	5,383,058	5,144,326	1,379,121	-	1,303,880	1,182,552	-
Lime..... busb.	873,200	343,111	3,075,819	6,946,630	648,975	-	130,596	688,890	-
\$	100,234	148,321	806,665	2,198,239	246,279	-	46,947	376,683	-
Sand and gravel..... tons	812,976	388,066	8,615,738	7,512,763	1,333,590	1,517,801	1,392,752	1,379,143	-
\$	522,723	118,768	1,890,931	2,405,729	228,655	263,100	293,674	342,021	-
Stone..... tons	72,451	29,908	2,534,531	4,254,960	154,066	-	3,367	256,553	-
\$	120,807	121,091	4,268,315	4,060,709	318,556	-	7,830	367,996	-
Total..... \$	743,784	398,180	12,339,969	13,809,093	2,171,611	263,100	1,652,331	2,269,252	-
Grand total. \$	31,111,221	2,148,535	28,970,403	89,982,962	2,888,912	1,455,225	29,399,223	69,801,170	1,789,044

Mineral Production of Canada (Exclusive of Clay Products and Other Structural Materials), by Provinces, January 1 to 30, 1927

	Nova Scotia	New Brunswick	Quebec	Ontario	Mani- toba	Saskat- chewan	Alberta	British Columbia	Yukon
METALLICS									
Arsenic..... lb.	-	-	-	3,275,214	-	-	-	391,790	-
\$	-	-	-	127,185	-	-	-	4,329	-
Cobalt..... lb.	-	-	-	392,837	-	-	-	-	-
\$	-	-	-	765,748	-	-	-	-	-
Copper..... lb.	-	-	2,125,869	21,808,467	-	-	-	49,685,321	-
\$	-	-	271,218	2,465,563	-	-	-	6,338,853	-
Gold..... fine oz.	1,357	-	2,475	765,710	-	-	-	86,993	6,496
\$	28,052	-	51,163	15,828,630	-	-	-	1,798,305	134,284
Iron ore sold for ex- port..... tons	-	-	830	-	-	-	-	-	-
\$	-	-	4,490	-	-	-	-	-	-
Lead..... lb.	-	-	2,932,227	3,677,719	-	-	-	143,454,656	2,210,961
\$	-	-	168,515	263,758	-	-	-	8,244,339	127,064
Nickel..... lb.	-	-	-	34,781,199	-	-	-	-	-
\$	-	-	-	8,008,823	-	-	-	-	-
Palladium, Rhod- ium, etc..... fine oz.	-	-	-	5,706	-	-	-	-	-
\$	-	-	-	315,940	-	-	-	-	-
Platinum..... fine oz.	-	-	-	5,374	-	-	-	-	-
\$	-	-	-	424,546	-	-	-	-	-
Silver..... fine oz.	73	-	285,461	4,048,888	-	-	-	5,368,074	1,120,722
\$	41	-	161,023	2,791,509	-	-	-	3,028,023	632,177
Zinc..... lb.	-	-	7,020,179	-	-	-	-	62,262,000	-
\$	-	-	454,430	-	-	-	-	4,030,344	-
Total..... \$	28,093	-	1,110,539	30,991,762	-	-	-	23,444,193	892,525
NON-METALLICS									
<i>Fuels</i>									
Coal..... tons	3,572,122	110,510	-	-	-	195,398	3,170,551	1,376,050	-
\$	13,335,611	486,600	-	-	-	349,809	9,982,064	5,541,674	-
Natural gas.... M cu.ft.	-	407,860	-	3,889,150	100	-	7,050,538	-	-
\$	-	79,438	-	2,527,948	30	-	2,007,022	-	-
Petroleum, crude... bbl.	-	15,598	-	69,177	-	-	159,442	-	-
\$	-	32,361	-	145,545	-	-	598,918	-	-
Total..... \$	13,335,611	598,399	-	2,673,493	30	349,809	12,588,004	5,541,674	-
<i>Other Non-Metallics</i>									
Asbestos..... tons	-	-	123,730	-	-	-	-	-	-
\$	-	-	4,685,706	-	-	-	-	-	-
Barytes..... tons	35	-	-	-	-	-	-	-	-
\$	771	-	-	-	-	-	-	-	-
Bituminous sands... tons	-	-	-	-	-	-	291	-	-
\$	-	-	-	-	-	-	1,164	-	-
Feldspar..... tons	-	-	6,855	9,071	-	-	-	-	-
\$	-	-	54,108	85,044	-	-	-	-	-
Graphite..... tons	-	-	53	846	-	-	-	-	-
\$	-	-	2,097	55,494	-	-	-	-	-
Gypsum..... tons	227,060	32,108	-	42,298	20,191	-	-	10,236	-
\$	428,901	244,257	-	142,820	272,923	-	-	86,940	-
Iron oxides..... tons	-	-	2,788	-	-	-	-	3	-
\$	-	-	37,520	-	-	-	-	90	-
Magnesite..... tons	-	-	2,801	-	-	-	-	-	-
\$	-	-	81,344	-	-	-	-	-	-
Mica..... tons	-	-	1,454,102	955,860	-	-	-	-	-
\$	-	-	52,385	47,192	-	-	-	-	-
Mineral water, Imp. gal.	-	-	1,876	119,735	-	-	-	-	-
\$	-	-	504	12,346	-	-	-	-	-
Phosphate..... tons	-	-	31	-	-	-	-	-	-
\$	-	-	399	-	-	-	-	-	-
Pyrites..... tons	-	-	8,533	199	-	-	-	-	-
\$	-	-	25,599	2,588	-	-	-	12,686	-
Quartz..... tons	1,013	-	10,567	85,237	-	-	-	50,744	-
\$	4,567	-	35,973	137,659	-	-	-	1,017	-
Salt..... tons	6,189	-	-	117,877	-	-	-	-	-
\$	39,894	-	-	744,290	-	-	100	-	-
Silica brick..... M	92	-	-	374	-	-	1,300	-	-
\$	3,676	-	-	19,574	-	-	-	-	-
Sodium carbonate... tons	-	-	-	-	-	-	-	271	-
\$	-	-	-	-	-	-	-	2,710	-
Sodium sulphate... tons	-	-	-	-	-	2,471	-	-	-
\$	-	-	-	-	-	4,943	-	-	-
Talc and soapstone, tons	-	-	505	7,224	-	-	-	102	-
\$	-	-	23,080	88,326	-	-	-	2,264	-
Volcanic dust..... tons	-	-	-	-	-	230	-	-	-
\$	-	-	-	-	-	1,610	-	-	-
Total..... \$	477,809	244,257	4,998,715	1,335,333	272,923	6,553	2,464	144,268	-
Grand total \$	13,841,513	842,656	6,109,554	35,000,588	272,953	356,422	12,590,468	29,130,135	892,525

Mineral Production of Canada (Exclusive of Clay Products and Other Structural Materials), by Provinces, January 1 to June 30, 1928

	Nova Scotia	New Brunswick	Quebec	Ontario	Mani- toba	Saskat- chewan	Alberta	British Columbia	Yukon
METALLICS									
Arsenic..... lb.	6,335	-	-	2,311,109	-	-	-	542,500	-
\$	127	-	-	87,556	-	-	-	5,995	-
Bismuth..... lb.	-	-	-	7,957	-	-	-	-	-
\$	-	-	-	8,302	-	-	-	-	-
Cadmium..... lb.	-	-	-	-	-	-	-	161,908	-
\$	-	-	-	-	-	-	-	80,954	-
Cobalt..... lb.	-	-	-	613,044	-	-	-	-	-
\$	-	-	-	822,603	-	-	-	-	-
Copper..... lb.	-	-	14,044,298	30,716,167	-	-	-	48,527,744	-
\$	-	-	1,971,819	3,784,546	-	-	-	6,813,295	-
Gold..... fine oz.	1,144	-	25,178	773,289	5,125	-	-	95,588	5,934
\$	23,649	-	520,475	15,985,302	105,943	-	-	1,975,979	122,667
Lead..... lb.	-	-	3,246,173	3,550,674	-	-	-	166,031,113	3,157,382
\$	-	-	145,493	210,034	-	-	-	7,441,514	141,514
Nickel..... lb.	-	-	-	46,463,107	-	-	-	-	-
\$	-	-	-	10,625,702	-	-	-	-	-
Palladium, Rhod- ium, etc..... fine oz.	-	-	-	6,336	-	-	-	-	-
\$	-	-	-	281,953	-	-	-	-	-
Platinum..... fine oz.	-	-	-	5,035	-	-	-	-	-
\$	-	-	-	344,192	-	-	-	-	-
Silver..... fine oz.	55	-	455,966	3,498,192	458	-	-	5,337,005	1,501,113
\$	32	-	265,304	2,035,423	266	-	-	3,105,336	873,423
Zinc..... lb.	-	-	9,468,636	-	-	-	-	83,590,000	-
\$	-	-	527,871	-	-	-	-	4,660,142	-
Total..... \$	23,888	-	3,430,962	34,185,613	106,209	-	-	24,083,215	1,137,604
NON-METALLICS									
<i>Fuels</i>									
Coal..... tons	3,077,339	103,948	-	-	-	207,413	3,412,701	1,447,099	-
\$	11,773,005	440,727	-	-	-	363,580	10,732,177	5,634,456	-
Natural gas..... M cu. ft.	-	416,094	-	4,094,000	100	-	8,210,875	-	-
\$	-	81,354	-	2,500,000	30	-	2,260,778	-	-
Petroleum, crude... bbl.	-	4,249	-	68,253	-	-	229,060	-	-
\$	-	11,286	-	124,261	-	-	830,211	-	-
Total..... \$	11,773,005	533,367	-	2,624,261	30	363,580	13,823,166	5,634,456	-
<i>Other Non-Metallics</i>									
Actinolite..... tons	-	-	-	70	-	-	-	-	-
\$	-	-	-	875	-	-	-	-	-
Asbestos..... tons	-	-	120,792	-	-	-	-	-	-
\$	-	-	4,892,209	-	-	-	-	-	-
Barytes..... tons	56	-	-	-	-	-	-	-	-
\$	1,256	-	-	-	-	-	-	-	-
Bituminous sands... tons	-	-	-	-	-	-	33	-	-
\$	-	-	-	-	-	-	133	-	-
Diatomite..... tons	76	-	-	-	-	-	-	-	-
\$	1,638	-	-	-	-	-	-	-	-
Feldspar..... tons	-	-	7,995	6,930	-	-	-	-	-
\$	-	-	65,520	57,406	-	-	-	-	-
Graphite..... tons	-	-	25	744	-	-	-	-	-
\$	-	-	1,625	37,094	-	-	-	-	-
Gypsum..... tons	311,167	21,854	-	39,650	20,196	-	-	11,115	-
\$	579,085	239,963	-	258,628	244,698	-	-	99,083	-
Iron oxides..... tons	-	-	1,402	-	-	-	-	12	-
\$	-	-	35,360	-	-	-	-	360	-
Magnesite..... tons	-	-	4,396	-	-	-	-	-	-
\$	-	-	108,235	-	-	-	-	-	-
Mica..... tons	-	-	517	1,261	-	-	-	-	-
\$	-	-	17,321	17,603	-	-	-	-	-
Mineral water. Imp. gal.	-	-	3,941	133,112	-	-	-	-	-
\$	-	-	936	6,158	-	-	-	-	-
Phosphate..... tons	-	-	-	-	-	-	-	345	-
\$	-	-	-	-	-	-	-	4,485	-
Pyrites..... tons	-	-	-	341	-	-	-	30,659	-
\$	-	-	-	4,526	-	-	-	61,155	-
Quartz..... tons	659	-	20,330	68,856	-	-	-	10,000	-
\$	2,762	-	75,789	104,294	-	-	-	39,000	-
Salt..... tons	8,740	-	-	134,877	-	-	-	-	-
\$	51,969	-	-	731,509	-	-	-	-	-
Silica brick..... M	415	-	-	847	-	-	-	-	-
\$	17,933	-	-	46,484	-	-	-	-	-
Sodium carbonate... tons	-	-	-	-	-	-	-	136	-
\$	-	-	-	-	-	-	-	1,450	-
Sodium sulphate... tons	-	-	-	-	-	1,979	-	-	-
\$	-	-	-	-	-	3,958	-	-	-
Talc and soapstone... tons	-	-	407	6,881	-	-	-	-	-
\$	-	-	16,460	82,390	-	-	-	-	-
Volcanic dust..... tons	-	-	-	-	-	192	-	-	-
\$	-	-	-	-	-	3,945	-	-	-
Total..... \$	654,643	239,963	5,213,455	1,346,967	244,698	7,903	133	205,533	-
Grand total \$	12,451,456	773,330	8,644,417	38,156,841	350,937	371,483	13,823,299	29,823,264	1,137,604

Comparative Table of Mineral Production of Canada, January 1 to June 30, 1927 and 1928

		Increase (+) or Decrease (-)		Increase (+) or Decrease (-)	
		Quantity	%	Value	%
				\$	
METALLICS					
Arsenic.....	lb.	- 807,060	-22.1	- 37,836	-28.8
Bismuth.....	lb.	+ 7,057	-	+ 8,302	-
Cadmium.....	lb.	+ 161,908	-	+ 80,954	-
Cobalt.....	lb.	+ 220,207	+56.0	+ 56,855	+ 7.4
Copper.....	lb.	+19,668,552	+26.7	+3,404,026	+38.4
Gold.....	fine oz.	+ 43,227	+ 6.0	+ 893,581	+ 5.0
Iron ore sold for export.....	tons	820	-	4,490	-
Lead.....	lb.	+23,709,779	+15.6	- 865,121	- 9.8
Nickel.....	lb.	+11,681,908	+33.6	+2,616,879	+32.7
Palladium, Rhodium.....	fine oz.	+ 540	+ 9.3	+ 33,987	-10.8
Platinum.....	fine oz.	- 339	- 6.3	- 80,354	-18.9
Silver.....	fine oz.	+ 930,429	- 8.0	+ 333,049	- 5.1
Zinc.....	lb.	+23,776,357	+34.3	+ 703,239	+15.7
Total.....		-	-	+6,498,999	+11.5
NON-METALLICS					
Fuels					
Coal.....	tons	- 176,131	- 2.1	-751,873	- 2.5
Natural gas.....	M cu. ft.	+1,373,421	+ 12.1	+227,724	+ 4.9
Petroleum, crude.....	brls.	+ 57,345	+ 23.4	+188,934	+ 24.3
Total.....		-	-	-335,215	+ 0.1
Other Non-Metallics					
Actinolite.....	tons	+ 70	-	+ 875	-
Asbestos.....	tons	+ 2,938	- 2.4	+206,503	+ 4.4
Barytes.....	tons	+ 21	+ 60.0	+ 485	+ 62.9
Bituminous sands.....	tons	+ 285	- 88.7	+ 1,031	- 88.6
Diatomite.....	tons	+ 76	-	+ 1,638	-
Feldspar.....	tons	+ 1,001	- 6.3	+ 16,226	- 11.6
Graphite.....	tons	+ 130	- 14.5	+ 18,872	- 32.8
Gypsum.....	tons	+ 72,089	+ 21.7	+245,607	+ 20.9
Iron oxides.....	tons	+ 1,377	- 49.4	+ 1,890	- 5.0
Magnesite.....	tons	+ 1,595	+ 56.9	+ 26,891	+ 33.0
Mica.....	tons	+ 573	+ 47.5	+ 64,653	- 65.0
Mineral water.....	Imp. gal.	+ 15,442	+ 12.7	+ 5,756	- 44.8
Phosphate.....	tons	+ 276	+400.0	+ 3,592	+402.2
Pyrites.....	tons	+ 9,582	+ 44.7	+ 13,250	- 16.8
Quartz.....	tons	+ 2,689	+ 2.7	+ 42,629	+ 23.7
Salt.....	tons	+ 18,861	+ 15.1	+ 2,006	- 0.3
Silica brick.....	M	+ 796	+170.8	+ 41,167	+177.0
Sodium carbonate.....	tons	+ 135	- 49.8	+ 1,260	- 46.5
Sodium sulphate.....	tons	+ 492	- 20.0	+ 985	- 20.0
Talc and soapstone.....	tons	+ 542	- 6.9	+ 14,820	- 13.0
Volcanic dust.....	tons	+ 38	- 16.6	+ 2,335	+145.0
Total.....		-	-	+430,973	+ 5.7
Total non-metallics.....		-	-	+ 85,758	+ 0.2

Mineral Production of Canada by Provinces, 1925-1927

Province	1925		1926		1927	
	Value of production	Per cent of total	Value of production	Per cent of total	Value of production	Per cent of total
	\$		\$		\$	
Nova Scotia*.....	17,625,612	7.78	28,873,792	12.00	30,111,221	12.17
New Brunswick.....	1,743,858	0.77	1,811,104	0.76	2,148,535	0.87
Quebec.....	24,284,527	10.72	25,956,193	10.80	28,870,403	11.67
Ontario.....	87,980,436	38.82	84,702,296	35.23	89,982,962	36.38
Manitoba.....	2,276,759	1.01	3,073,528	1.29	2,888,912	1.17
Saskatchewan.....	1,076,392	0.48	1,193,394	0.50	1,455,225	0.59
Alberta.....	25,318,866	11.17	28,977,027	11.21	29,309,223	11.85
British Columbia.....	64,485,242	28.46	65,022,976	27.29	60,801,170	24.58
Yukon.....	1,791,641	0.79	2,226,813	0.92	1,789,044	0.72
Total.....	226,583,333	100.00	240,437,123	100.00	247,356,695	100.00

*Includes small production from Prince Edward Island in 1925.

Metal Prices, 1923-1928

Metal	Market	Unit	1923	1924	1925	1926	1927	January 1 to June 30 1928
			\$	\$	\$	\$	\$	\$
Antimony (ordinaries).....	New York.....	Pound.....	0-07897	0-10836	0-17494	0-15988	0-12393	0-10404
Arsenic, white.....	New York.....	Pound.....	0-12050	0-09636	0-0466	0-0350	0-0383	0-04
Cobalt.....	New York.....	Pound.....	2-85	2-75	2-50	2-50	2-50	2-50
Cobalt oxide.....	New York.....	Pound.....	2-10	2-10	2-10	2-10	2-10	2-10
Copper.....	New York.....	Pound.....	0-14421	0-13024	0-14042	0-13765	0-12920	0-1404
	Montreal.....	Pound.....	0-16607	0-15155	0-1615	0-1577	0-1478	0-1588
	New York.....	Pound.....	0-07267	0-08097	0-09020	0-08417	0-06755	0-06225
Lead.....	Montreal.....	Pound.....	0-07179	0-08104	0-0912	0-08154	0-0673	0-06025
	Toronto.....	Pound.....	0-07257	0-08118	0-0919	0-08274	0-0683	0-0617
	London.....	Pound.....	-	-	0-07914	0-06751	0-05256	0-04492
Nickel.....	New York.....	Pound.....	0-29	0-28	0-34	0-36	0-36	0-36
Platinum.....	New York.....	Ounce.....	116-537	118-817	119-093	113-269	84-636	80-010
Silver.....	New York.....	Ounce.....	0-64873	0-66781	0-69065	0-62107	0-56370	0-58185
Tin.....	New York.....	Ounce.....	0-41799	0-49674	0-56790	0-63615	0-62747	*0-52867
	St. Louis.....	Pound.....	0-06607	0-06544	0-07622	0-07337	0-06242	0-05793
Zinc.....	Montreal.....	Pound.....	0-08267	0-07837	0-0906	0-08825	0-07710	0-07161
	London.....	Pound.....	-	0-0670	0-07956	0-07410	0-06194	0-05575

*Average for first three months only.

Exports of Certain Canadian Minerals, January 1 to June 30, 1927 and 1928

Item	1927		1928	
	Quantity	Value \$	Quantity	Value \$
METALLICS				
Arsenic, other than metallic.....	lb.	2,897,200	91,443	-
Cobalt, metallic.....	lb.	-	-	-
Cobalt alloys.....	lb.	-	777,406	867,365
Cobalt oxides and cobalt salts.....	lb.	-	-	-
Copper, fine, in ore, matte, etc.....	lb.	36,089,900	3,891,337	36,123,300
Copper, blister.....	lb.	27,644,600	3,394,055	44,156,200
Gold bearing quartz, dust, nuggets, and bullion exported from the mines and smelters.....	-	-	3,459,742	5,243,215
Lead, metallic, in ore, etc.....	lb.	7,001,800	225,971	629,500
Lead, in pig and block.....	lb.	121,763,400	6,738,543	140,582,500
Nickel, fine, in ore, matte or speiss.....	lb.	19,987,800	3,314,793	17,876,600
Nickel, fine.....	lb.	13,332,100	3,601,313	23,934,000
*Nickel oxide.....	lb.	2,282,400	666,117	4,968,200
Platinum in concentrates.....	fine oz	48	4,239	894
Silver in ore, concentrates, etc.....	fine oz	1,651,776	846,246	1,652,622
Silver bullion.....	fine oz	8,050,357	4,535,256	7,728,724
Zinc ore.....	tons	4,158	110,373	-
Zinc in ore.....	lb.	-	-	2,878,900
Zinc spelter.....	lb.	50,874,100	3,254,681	72,886,500
NON-METALLICS				
Asbestos, crude.....	tons	62,008	3,936,497	54,019
Asbestos, sand and waste.....	tons	57,514	886,454	60,585
Feldspar.....	tons	15,443	115,963	14,299
Graphite or plumbago, crude or refined.....	tons	842	52,618	709
Gypsum, crude.....	tons	93,385	147,194	211,533
Plaster of Paris, ground or prepared wall plaster.....	tons	2,628	47,618	4,205
Magnesite, calcined.....	tons	413	10,229	799
Mica, rough cobbled and thumb-trimmed.....	tons	50	14,723	19
Mica, splittings.....	tons	114	151,694	26
Mica, scrap and waste.....	tons	1,785	22,590	1,972
Mineral pigments, iron oxides, ochres, etc.....	tons	409	16,533	453
Pyrites (sulphur contained in).....	tons	4,435	35,476	14,887
Salt.....	tons	301	7,837	480
Talc, refined.....	tons	5,062	58,968	4,953
Talc crude.....	tons	12	154	-

*Figures show exports for April, May and June only, previously included with nickel in ore.

Production of Gold in Canada by Provinces and by Sources, January 1 to June 30, 1927 and 1928

	1927		1928	
	Fine ounces	Value	Fine ounces	Value
		\$		\$
Nova Scotia—				
In gold bullion and in concentrates exported.....	1,357	28,052	1,144	23,649
Quebec—				
In blister copper* and in ores exported.....	2,475	51,163	25,178	520,475
Ontario—				
Porcupine area—				
In gold bullion.....	560,787	11,502,490	475,526	9,829,995
In slags exported.....	1,046	21,623	1,281	26,481
Irkland Lake area—				
In gold bullion.....	201,373	4,162,749	294,415	6,086,098
In slags and concentrates exported.....	1,026	21,209	331	6,842
Sudbury area—				
In matte and blister copper exported.....	1,478	30,553	1,736	35,886
Total.....	765,710	15,828,630	773,289	15,985,302
Manitoba—				
In gold bullion.....	-	-	5,125	105,943
Alberta—				
In alluvial gold.....	7,200	148,837	3,530	72,972
In gold bullion.....	2,639	54,553	5,463	112,930
In blister copper.....	18,815	385,941	13,839	286,077
In base bullion and in ores exported.....	58,339	1,205,974	72,756	1,504,000
Total.....	86,993	1,798,305	95,588	1,975,979
Yukon—				
In alluvial gold.....	6,496	134,284	5,934	122,667
In ores exported.....	-	-	-	-
Total.....	6,496	134,284	5,934	122,667
Canada.....	863,931	17,840,434	906,258	18,734,015

*No blister copper made during first half 1927.
Gold—\$20-671834 per fine ounce.

Production of Pig Iron, and Ferro-Alloys in Canada, January 1 to June 30, 1927 and 1928

(Tons of 2,240 lbs.)

	1927				1928			
	In blast furnace		In electric furnace	Total	In blast furnace		In electric furnace	Total
	For own use	For sale	For sale		For own use	For sale	For sale	
Pig Iron—								
Basic.....	282,687	8,535	-	291,222	349,524	6,278	-	355,802
Foundry.....	726	85,253	-	85,979	6,923	81,153	-	88,076
Malleable.....	-	26,512	-	26,512	-	24,135	-	24,135
Total Pig Iron.....	283,413	120,300	-	403,713	356,447	111,566	-	468,013
Total Ferro-Alloys.....	-	-	26,958	26,958	-	-	26,014	26,014

Production of Steel Ingots and Castings in Canada, January 1 to June 30, 1927 and 1928
(Tons of 2,240 lbs.)

	1927			1928		
	For own use	For sale	Total production	For own use	For sale	Total production
Steel Ingots—						
Open Hearth—Basic.....	458,071	—	458,071	816,184	—	816,184
Acid.....	—	—	—	5,155	184	5,339
Other.....	4,322	—	4,322	3,787	183	3,970
Total Steel Ingots.....	462,393	—	462,393	625,126	367	625,493
Steel Castings—						
Open Hearth—Basic.....	1,003	11,407	12,500	1,166	9,342	10,508
Acid.....	47	—	47	—	—	—
Bessemer.....	—	1,117	1,164	53	807	860
Electric.....	186	11,067	11,253	155	11,232	11,387
Total Direct Steel Castings.....	1,236	23,681	24,917	1,374	21,471	22,845
Grand total.....	463,629	23,681	487,310	626,500	21,838	648,338

Production of Nickel in Canada, January 1 to June 30, 1927 and 1928

	1927		1928	
	Quantity	Value	Quantity	Value
	Pounds	\$	Pounds	\$
Nickel in matte and speiss exported*.....	15,108,124	2,719,462	10,589,969	3,526,194
Refined and electrolytic nickel produced.....	16,014,747	4,176,318	21,955,820	5,612,032
Nickel in oxides and salts sold.....	3,658,328	1,113,043	4,917,309	1,487,476
Total.....	34,781,199	8,008,823	46,463,107	10,625,702

* Nickel in matte and speiss exported valued at 18 cents per pound.

Production of Silver in Canada by Provinces and by Sources, January 1 to June 30, 1927 and 1928

	1927		1928	
	Quantity	Value	Quantity	Value
	fine oz.	\$	Fine oz.	\$
NOVA SCOTIA—				
In gold bullion.....	73	41	55	32
QUEBEC—				
In gold ores; in blister copper and in copper ores and in silver-lead-zinc ores exported.....	285,461	161,023	455,966	265,304
ONTARIO—				
In silver bullion.....	4,259,891	2,402,919	2,876,678	1,673,795
In gold bullion.....	116,600	65,772	115,158	67,005
In concentrates and slags exported by gold mines.....	4,757	2,683	5,819	3,386
In matte, blister copper and in ores, concentrates and residues exported.....	567,640	320,195	500,537	291,237
Total.....	4,948,888	2,791,569	3,498,192	2,035,423
MANITOBA—				
In gold bullion.....	—	—	458	266
BRITISH COLUMBIA—				
In alluvial gold.....	1,620	914	794	462
In gold bullion.....	40	22	73	42
In blister copper.....	599,128	337,956	366,351	213,161
In base bullion and in ores exported.....	4,767,286	2,689,131	4,960,787	2,891,671
Total.....	5,368,074	3,028,023	5,337,005	3,105,336
YUKON—				
In alluvial gold.....	1,462	825	1,335	777
In ores exported.....	1,119,260	631,352	1,499,778	872,646
Total.....	1,120,722	632,177	1,501,113	873,423
Canada.....	11,723,218	6,612,633	10,792,789	6,279,784

Prices—1927-\$0.56408 per fine ounce.
1928-\$0.58185 per fine ounce.

Output and Sales of Asbestos in Canada, January 1 to June 30, 1927 and 1928

	1927				1928			
	Total output	Sold or shipped			Total output	Sold or shipped		
		Quantity	Total sales value at mill	Average value per ton		Quantity	Total sales value at mill	Average value per ton
	Tons	Tons	\$	\$	Tons	Tons	\$	\$
Crude No. 1.....	301	534	204,430	382.83	321	453	246,391	543.90
Crude No. 2.....	1,513	1,450	333,238	229.82	1,331	1,308	378,664	280.50
Other crudes.....	169	472	99,621	211.06	112	108	15,007	138.95
Spinning stocks.....	5,280	6,469	833,611	128.80	6,945	8,431	1,116,037	132.37
Shingle stocks.....	20,354	17,712	1,138,424	64.27	19,512	12,508	867,811	69.38
Mill board and paper stocks.....	35,388	30,577	1,111,973	36.37	29,403	31,926	1,260,533	39.48
Fillers, floats and other short fibres.....	60,898	66,516	904,409	14.50	62,777	66,058	1,007,766	15.26
Total.....	123,912	123,730	4,645,706	37.87	120,391	120,792	4,892,269	40.50
Sand and gravel.....	8,196	8,196	5,428	0.66	8,823	8,823	4,636	0.53

Monthly Average Prices of Asbestos by Grades, January 1 to June 30, 1927 and 1928

(Per short ton)

(From the Engineering and Mining Journal)

Month	Crude No. 1	Crude No. 2	Spinning fibres	Magnesia and compressed sheet fibres	Shingle stock	Paper stock	Cement stock	Short fibres	Floats
1927	\$	\$	\$	\$	\$	\$	\$	\$	\$
January.....	525	300	190	137	80	43	25	15	15
February.....	525	325	200	137	80	43	25	15	15
March.....	525	325	200	137	80	43	25	15	15
April.....	525	325	200	145	75	43	25	15	15
May.....	525	325	200	145	75	43	25	15	15
June.....	525	325	200	145	75	43	25	15	15
Average.....	525	321	198	141	77	43	25	15	15
1928									
January.....	650	450	212	168	100	47	25	15	15
February.....	650	450	212	168	90	47	25	15	15
March.....	650	450	212	170	90	47	25	15	15
April.....	650	400	212	168	90	47	25	15	15
May.....	625	387	207	168	85	47	25	15	15
June.....	625	387	207	168	85	47	25	15	15
Average.....	642	420	210	168	90	47	25	15	15

Output and Value of Canadian Coal by Provinces and Grades, January 1 to June 30, 1927 and 1928

(Short tons)

Province	1927		1928	
	Output	Total value	Output	Total value
NOVA SCOTIA (Bituminous).....	3,572,122	\$ 13,335,611	3,077,339	\$ 11,773,005
NEW BRUNSWICK (Bituminous).....	110,510	486,600	103,948	440,727
SASKATCHEWAN (Lignite).....	195,398	340,869	207,413	363,580
ALBERTA—				
Bituminous.....	1,605,378	5,507,807	1,708,797	5,839,862
Sub-bituminous.....	329,476	886,568	362,390	956,922
Lignite.....	1,235,697	3,497,689	1,341,514	3,935,393
Total, for Alberta.....	3,170,551	9,892,064	3,412,701	10,732,177
BRITISH COLUMBIA (Bituminous).....	1,376,050	5,541,674	1,447,099	5,634,456
YUKON (Bituminous).....	—	—	—	—
CANADA—				
Bituminous.....	6,641,060	24,961,692	6,337,183	23,688,650
Sub-bituminous.....	329,476	886,568	362,390	956,922
Lignite.....	1,431,095	3,847,538	1,548,927	4,298,973
Total.....	8,401,631	29,695,818	8,248,500	28,944,545

Exports of Canadian Coal by Provinces, January 1 to June 30, 1927 and 1928

(Short tons)

Province	1927	1928
Prince Edward Island.....	-	46
Nova Scotia.....	265,493	118,662
New Brunswick.....	50,623	22,749
Quebec.....	51	405
Ontario.....	-	32
Manitoba.....	1,491	1,653
Saskatchewan.....	2,116	1,610
Alberta.....	181	286
British Columbia.....	278,727	226,374
Yukon.....	1	-
Total.....	598,683	371,817

Imports of Anthracite, Bituminous and Lignite Coal into Canada from the United States and Great Britain, January 1 to June 30, 1928

(Short tons)

Month	Anthracite			Bituminous			Lignite		
	United States	Great Britain	Total	United States	Great Britain	Total	United States	Great Britain	Total
January.....	234,703	6,083	240,786	766,732	-	766,732	1,864	-	1,864
February.....	228,409	5,550	233,959	729,727	-	729,727	1,138	-	1,138
March.....	248,411	5,011	253,422	832,068	1,809	833,877	1,219	-	1,219
April.....	129,208	2,474	131,683	473,889	837	474,726	500	-	500
May.....	250,105	60,703	310,808	976,987	26,786	1,003,773	318	-	318
June.....	284,113	32,207	316,320	1,262,430	21,152	1,283,582	81	-	81
Total.....	1,374,949	112,028	1,486,978	5,091,833	50,184	5,142,017	5,120	-	5,120

(a) Includes 1 ton imported from Belgium.

Coal Made Available for Consumption in Canada, January 1 to June 30, 1927 and 1928

(Short tons)

Month	1927				1928			
	Output	Imports	Exports	Coal made available for use	Output	Imports	Exports	Coal made available for use
January.....	1,570,235	1,460,659	223,772	2,807,122	1,691,565	1,009,382	88,910	2,618,037
February.....	1,343,942	1,307,588	88,893	2,602,637	1,406,251	964,824	60,812	2,310,263
March.....	1,407,448	1,009,410	110,905	2,905,953	1,404,286	1,138,018	71,139	2,471,165
April.....	1,314,562	1,120,086	25,220	2,409,428	1,146,201	607,009	32,820	1,730,390
May.....	1,305,359	1,719,425	81,755	2,040,029	1,263,035	1,314,899	53,147	2,524,787
June.....	1,443,085	2,361,511	65,138	3,739,458	1,331,162	1,599,983	64,989	2,866,150
Total.....	8,424,631	9,578,679	598,683	17,404,627	8,248,590	6,634,115	371,817	14,510,798

Coke Production in Canada, January 1 to June 30, 1928

Month	Bituminous coal used for coke making			Coke made	Disposition of coke by makers			
	Canadian	Imported	Total		For use by maker		Sold	Total
					In coke plant	In own smelter		
January	79,476	177,360	256,836	182,032	21,021	84,364	89,906	195,291
February	71,791	160,896	232,687	169,245	19,041	90,670	89,691	179,402
March	77,553	173,956	251,509	182,394	20,030	88,634	78,900	187,564
April	73,741	169,690	243,431	174,213	21,049	95,637	54,057	170,734
May	73,620	191,942	265,562	192,645	24,669	122,691	31,531	178,911
June	68,809	202,285	271,094	194,662	17,104	118,624	33,112	168,840
Total	441,990	1,076,129	1,521,119	1,095,191	122,905	609,620	357,197	1,089,742

Coke used in iron blast furnaces during the period: 515,641 tons.

Production in Canada, Imports and Exports of Coke by Provinces, January 1 to June 30, 1927 and 1928

	Year	Nova Scotia, New Brunswick and Quebec	Ontario	Manitoba, Saskatchewan, Alberta and British Columbia	Canada
Production.....	1927 1928	278,520 299,952	642,768 702,285	110,381 92,954	1,031,669 1,095,191
Imports.....	1927 1928	42,188 42,680	291,427 398,932	11,875 5,990	345,490 447,602
Exports.....	1927 1928	903 178	30,248 5,258	13,316 8,847	44,557 14,283
Apparent consumption.....	1927 1928	319,715 342,454	903,947 1,095,959	108,940 90,097	1,332,602 1,528,510

Production of Gypsum in Canada, January 1 to June 30, 1927 and 1928

	1927		1928	
	Tons	Value	Tons	Value
CRUDE—		\$		\$
Lump or mine run.....	69,922	114,290	75,336	126,461
Crushed.....	182,661	343,343	248,583	451,219
Fine ground.....	3,094	19,705	2,651	17,203
CALCINED GYPSUM.....	76,216	698,512	77,412	826,575
Total sold or used.....	331,893	1,175,850	403,982	1,421,457

Production of Mica in Canada, January 1 to June 30, 1927 and 1928

Grade	1927			1928		
	Quantity	Value f.o.b. shipping point	Price per pound	Quantity	Value f.o.b. shipping point	Price per pound
	lb.	\$	\$	lb.	\$	\$
Rough cobbled.....	58,333	6,200	0.10	—	—	—
Thumb-trimmed.....	171,641	27,698	0.16	18,418	5,435	0.30
Splittings.....	76,583	50,323	0.66	1,940	1,150	0.59
Scrap.....	2,103,495	15,356	0.007	3,536,346	28,339	0.008
Total.....	2,410,052	99,577	0.04	3,556,704	34,924	0.01

Production of Crude Petroleum in Canada, January 1 to June 30, 1927 and 1928

Province	1927		1928	
	Barrels	Total value	Barrels	Total value
		\$		\$
NEW BRUNSWICK.....	15,598	32,361	4,249	11,286
ONTARIO—				
Petrolia and Enniskillen.....	29,157	60,803	31,084	57,492
Oil Springs.....	18,642	40,182	16,915	31,367
Moore Township.....	1,039	2,161	894	1,594
Sarnia Township.....	882	1,835	976	1,740
Plympton Township.....	263	547	155	276
Bothwell.....	12,467	25,994	12,602	22,469
West Dover.....	147	306	284	506
Raleigh Township.....	276	575	—	—
Onondaga.....	210	437	211	736
Moza Township.....	3,654	7,618	3,673	6,549
Thamesville.....	2,440	5,087	859	1,532
Total for Ontario.....	69,177	145,545	68,253	124,261
ALBERTA.....	159,442	598,918	229,060	830,211
Canada.....	244,217	776,824	391,562	965,758

Production of Salt in Canada, by Grades, January 1 to June 30, 1927 and 1928

Grade	1927			1928		
	Manu- factured	Sold	Value of salt sold (not includ- ing pack- ages)	Manu- factured	Sold	Value of salt sold (not includ- ing pack- ages)
	Tons	Tons	\$	Tons	Tons	\$
Table and dairy.....	25,801	25,842	424,614	22,767	22,838	345,918
Common fine.....	19,430	19,690	121,896	23,194	24,177	137,103
Common coarse.....	13,383	11,904	98,514	13,097	15,167	116,421
Land salt.....	3,339	3,242	16,170	3,051	3,158	13,634
Other grades.....	9,342	9,852	70,654	14,819	15,348	108,063
Brine for chemical works (Salt equivalent sold or used).....	53,636	53,636	53,636	62,339	62,339	62,339
Total.....	124,921	124,166	785,484	135,267	143,027	783,478
Value of packages.....	-	-	372,570	-	-	268,187
Grand total.....	-	-	1,058,054	-	-	1,051,665

LIST OF PUBLICATIONS

PREPARED IN THE

MINING, METALLURGICAL AND CHEMICAL BRANCH DOMINION BUREAU OF STATISTICS

STATISTICS OF MANUFACTURES—based chiefly on minerals.

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

Annual Printed Reports—

Iron and Steel and Their Products: Pig Iron and Ferro-Alloys—Steel and Rolled Products — Castings and Forgings — Boilers, Tanks and Engines — Agricultural Implements — Machinery — Automobiles—Auto Accessories—Bicycles—Railway Rolling Stock — Wire and Wire Goods — Sheet Metal Products — Hardware and Tools — Miscellaneous Iron and Steel Products.

Manufactures of Non-Ferrous Metals: Aluminium and Aluminium Ware—Brass and Copper Products—Lead, Tin and Zinc Products—Precious Metal Products—Electrical Apparatus and Supplies—Miscellaneous Non-Ferrous Metal Products.

Manufactures of Non-Metallic Minerals: Aerated Waters—Asbestos and Allied Products—Cement—Cement Products—Coke and By-Products—Gas, Illuminating and Fuel—Glass (blown, cut, ornamental, etc.)—Lime—Petroleum Products—Products from Domestic Clays—Products from Imported Clays—Salt — Sand—Lime Brick—Stone Dressing—Miscellaneous Non-Metallic Mineral Products, including (a) Artificial Abrasives, (b) Abrasives Products, (c) Artificial Graphite and Electrodes, (d) Gypsum Products, (e) Mica Products.

Chemicals and Allied Products: Coal Tar and its Products—Acids, Alkalies, Salts and Compressed Gases—Explosives, Ammunition, Fireworks and Matches—Fertilizers—Medicinal and Pharmaceutical Preparations—Paints, Pigments and Varnishes—Soaps, Washing Compounds and Toilet Preparations—Inks, Dyes and Colours—Wood Distillates and Extracts—Miscellaneous Chemical Products, including (a) Adhesives, (b) Baking Powder, (c) Boiler Compounds, (d) Celluloid Products, (e) Flavouring Extracts, (f) Insecticides, (g) Polishes and Dressings, (h) Sweeping Compounds, (i) Chemical Products, n.e.s.

Annual Bulletins.—In addition to the foregoing printed reports, a series of bulletins is issued annually, each of which presents the principal statistics relative to production: (a) in a particular industry, e.g. Automobiles—Petroleum Products, etc., (b) in each of the four main groups of industries. These are published in mimeograph form from time to time during the year as the necessary material becomes available.

Monthly—

Production of Iron and Steel in Canada.
Coal and Coke Statistics for Canada.
Automobile Statistics for Canada.

SPECIAL REPORTS.—

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

Report on the Consumption of Mine and Mill Materials in Canada.

Annual Summary Report on the Mineral Industry and the Manufacturing Industries Related Thereto.

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