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Minister of Trade and Commerce.

CANADA
DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
CENSUS OF INDUSTRY
MINING, METALLURGICAL & CHEMICAL BRANCH

REPORT ON THE
MINERAL PRODUCTION OF
CANADA

DURING THE SIX MONTHS ENDING
JUNE, 1938

(With Revised Statistics for Calendar Year 1937)



OTTAWA
1938

Price 25 cents

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OTTAWA - CANADA

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PRELIMINARY REPORT on THE MINERAL PRODUCTION OF CANADA DURING THE SIX MONTHS
ending JUNE 30th, 1938.

Canada's mineral production during the first six months of 1938 was valued at \$209,654,610 compared with \$215,382,814 during the same period of a year ago, according to a report issued by the Mining, Metallurgical and Chemical Branch of the Dominion Bureau of Statistics, Ottawa.

Gains were recorded in the output of most of the base metals but lower prices for copper, lead and zinc, along with a lessened production of several important non-metallic minerals, combined to reduce the total value of the production 2.7 per cent.

Gold mining, however, continued to expand and the increase in production from this industry, together with the remarkable advance in crude oil production in the Turner Valley Field of Alberta, tended greatly to offset the drop in value of some of the other products.

The value of production by groups was as follows: metals, \$157,124,764 against \$164,211,056, a drop of 4.32 per cent; fuels, including coal, crude petroleum, and natural gas, \$32,843,790 compared with \$29,693,945, an increase of 10.6 per cent; non-metallics, other than fuels, \$8,941,968 against \$10,263,265, a decrease of 13 per cent, and structural materials, including clay products, cement, lime, stone and sand and gravel, \$10,744,088 compared with \$11,214,548, in the first six months of 1937, a decrease of 4.2 per cent.

METALS

In the metals group, gains in output were recorded for copper, gold, lead, metals of the platinum group, selenium, silver and zinc but in the value of production only gold and silver showed an increase over last year.

GOLD - As indicated by the returns, the gold mining industry of the country continued to expand. New fields are being developed and mines are being brought rapidly to the producing stage. Properties in some of the older camps, which were discarded years ago when the price of gold was \$20.67 per ounce, are being rejuvenated under the new price with remarkable success, prospecting is being carried on in many promising districts, and as the summer passes, many new finds are recorded by the press. The aeroplane has been of no small assistance in these new developments. The discovery and subsequent development of a new gold field on the west coast of Vancouver Island at Zeballos has given a great impetus to prospecting in that area

and many parties are reporting finds in the Yellow Knife and Gordon Lake areas of the Northwest Territories.

Canadian gold production totalled 2,219,309 fine ounces which, when valued at \$35.13 per fine ounce - the average price of a fine ounce of gold for the period - totalled \$77,964,325 against 1,966,858 fine ounces worth \$68,820,361 during the first six months of 1937 when the average price of gold was \$34.99 per fine ounce. Increases in output were recorded for every gold producing province; the mines of Ontario yielded 61.85 per cent of the total; Quebec, 19.15 per cent; British Columbia, 12.68 per cent; Manitoba and Saskatchewan, combined, 5.12 per cent, and the remainder came from Nova Scotia, Yukon, and the Northwest Territories.

COPPER - Copper production totalled 292,396,871 pounds valued at \$27,765,202 compared with 243,919,406 pounds worth \$34,377,884 during the first six months of 1937. The average price of copper during the period was 9.551 cents per pound against an average of 14.18 cents a year ago. Increases were recorded in all provinces. Quebec output was up 39 per cent; Ontario, 3.5 per cent; Manitoba and Saskatchewan, combined, 47 per cent; and British Columbia, 84 per cent. The discovery of new ore bodies in the Waite-Amulet mine in western Quebec is one of the outstanding developments of the period. The Granby Consolidated was not producing in British Columbia during the first six months of 1937, but steady production from this source during the first half of the present year is reflected in the total output from that province. Production in Manitoba was augmented by the re-opening of the Sherritt Gordon mine about August 1st, 1937. Ontario copper-nickel mines are responsible for practically all the copper produced in that province while Quebec's production is largely Noranda followed by Aldermac, Consolidated Copper & Sulphur Co. (Eustis), and Waite-Amulet; the latter company ships to the Noranda smelter while the Aldermac and Eustis export concentrates to foreign markets.

NICKEL - Nickel output totalled 109,286,472 pounds worth \$28,559,696 compared with 111,610,392 pounds valued at \$29,218,283 during the first six months of 1937. Output consisted of refined nickel made at Port Colborne, nickel in matte exported by the International Nickel Company of Canada, Limited, and the Falconbridge Nickel Mines Ltd., and nickel in nickel oxide sold.

LEAD - Lead output during the half year increased 2.89 per cent to 204,961,121 pounds but owing to the decrease in average price to 3.394 cents per pound compared with 5.857 cents during the corresponding period of 1937, the total value of production dropped 40.38 per cent to \$6,956,380. The mines of British Columbia accounted for 99 per cent. The Mayo district of Yukon contributed 1,875,384 pounds; a small amount was credited to Ontario.

ZINC - Zinc output totalled 197,951,223 pounds valued at \$6,154,303 compared with 170,535,713 pounds worth \$9,348,768 during the first six months of 1937. These figures represent an increase in output of 16.08 per cent but a decrease in value of 34.17 per cent. The average price of zinc on the London market, transposed to Canadian funds, dropped from 5.482 cents per pound during the first six months of 1937 to 3.109 cents per pound during the period January to June, 1938. Production from British Columbia mines, principally the Sullivan which is owned and operated by the Consolidated Mining and Smelting Company of Canada, Limited, totalled 159,963,332 pounds; the Hudson Bay Mining & Smelting Company, Ltd., contributed the balance. A zinc concentrate which is being made at the mill of the Waite-Amulet in western Quebec is being stock piled at present and for that reason no production from that province was recorded during the period. Exports of zinc in the form of spelter, in ore, and scrap during the first six months of 1938 totalled 164,472,700 pounds against 141,033,800 pounds during the corresponding

period of 1937.

SILVER - Silver production rose 9.65 per cent in quantity to 10,532,011 fine ounces and 6.95 per cent in value to \$4,622,605. Gains were recorded in all provinces except Ontario and Nova Scotia. British Columbia mines accounted for slightly more than 50 per cent of the total output. Silver is produced in association with practically all other metals. The bulk of the production comes from the silver-lead-zinc ores of British Columbia, the copper-gold and copper-zinc ores of Manitoba, Saskatchewan and Quebec, and from the nickel-copper ores of Ontario. Silver is associated with pitchblende mined at Great Bear Lake and the gold mines throughout the country contributed to the aggregate.

METALS OF THE PLATINUM GROUP - Canada produces more platinum than any other country. Small quantities of stream platinum are recovered annually from rivers in British Columbia but the principal Canadian source is the nickel-copper ores of the Sudbury district. The combined output of platinum, palladium and other metals of this group totalled 130,077 fine ounces worth \$3,978,828 compared with 125,886 fine ounces valued at \$5,119,265 during the first half of last year.

OTHER METALS - Selenium and tellurium are recovered in the refining of copper. The output and value of selenium was greater than during the first six months of 1937 but tellurium production was less. Arsenic, cadmium and cobalt showed a decline also. Radium and uranium are produced at Port Hope from the pitchblende ores mined at Great Bear Lake in the Northwest Territories. Permission to publish the production of radium and uranium has not been granted.

NON-METALLICS (FUELS)

Coal production during the period under review totalled 6,907,209 tons valued at \$21,088,912 compared with 7,038,225 tons worth \$21,367,904 during the corresponding period of 1937. Nova Scotia mines recorded an increase to 3,259,316 tons from 3,136,897 tons; New Brunswick mines dropped to 154,295 tons from 224,611; Saskatchewan produced 416,888 tons or 4.5 per cent below the output a year ago; Alberta, the largest coal producing province, showed a falling-off to 2,351,911 tons from 2,438,338 tons though the output of sub-bituminous coal rose to 259,065 tons from 216,336 tons. British Columbia production totalled 723,678 tons against 800,214 tons during the first six months of 1937. Manitoba's production was down also.

Imports of all kinds of coal during the period under review totalled 4,986,691 tons against 6,247,986 tons during the period January to June, 1937, and exports dropped to 165,588 tons compared with 182,109 tons. Anthracite imports totalled 1,582,922 tons of which 1,068,739 tons came from United States mines and 386,718 tons from Great Britain, 120,115 tons from Germany, and 7,350 tons from Morocco. Of the 3,402,728 tons of bituminous coal imported, 3,359,299 tons, or nearly 99 per cent, came from the United States; Great Britain supplied 34,898 tons and other countries just 8,531 tons. Lignite importations totalled 1,041 tons, all from the United States.

Natural gas production in Canada during the first six months of 1938 totalled 17,985,532 thousand cubic feet compared with 15,536,287 thousand cubic feet a year ago. The output from Alberta wells amounted to 11,575,951 thousand cubic feet, exclusive of the waste gas burned in the Turner Valley field and the gas piped to the Bow Island field for repressuring. Ontario wells produced 6,000,000 thousand cubic feet during the period under review; New Brunswick wells, 359,746 thousand cubic feet, and Saskatchewan wells, 49,535 thousand cubic feet.

The production of crude petroleum and natural gasoline in Canada during the six months ending June advanced 174.9 per cent from the output in the corresponding period of 1937; the totals were 2,919,425 barrels and 1,062,046 barrels, respectively. Increased production in the Turner Valley field, Alberta, was responsible for this sharp advance. During the first half of the current year, eighteen new wells were completed in this field and on June 30th drilling operations were in progress on twenty-two other wells. In February it was announced that changes were being made to increase to 24,000 barrels per day the carrying capacity of the pipe lines from the Turner Valley field to Calgary. Ontario wells produced 81,198 barrels of crude petroleum during the half-year and New Brunswick wells, 8,857 barrels.

NON-METALS (OTHER THAN FUELS)

Non-metallic minerals, other than fuels, showed a loss in value of output of 12.87 per cent. Asbestos production, which represents 64 per cent of the total value of all minerals in this group, was recorded at 132,291 tons worth \$5,757,453, a drop of 33 per cent in quantity and 14 per cent in value from the same period of a year ago. Salt, including salt in brine for chemical works as well as commercial salt, was 2.39 per cent higher in quantity than last year and a little less than 1 per cent lower in value. Gypsum production decreased about 12 per cent from 377,198 tons to 330,607 tons in quantity and from \$648,250 to \$565,485 in value. Sulphur, which includes sulphur in pyrites shipped plus sulphur in sulphuric acid made from waste smelter gases plus elemental sulphur made at Trail, totalled 58,930 tons worth \$577,011 compared with 62,055 tons valued at \$544,425. Decreases in quantity and value were also recorded for feldspar, graphite, iron oxides, magnesitic-dolomite, mica, soapstone, sodium sulphate, and talc. Details of production may be found in the tables.

STRUCTURAL MATERIALS

The value of the production of structural materials was estimated at \$10,744,088, a decrease of 4.2 per cent when compared with the corresponding period of a year ago. Monthly figures of production are compiled for clay products, cement and lime, and the output of stone and sand and gravel is estimated. Clay products dropped to \$1,564,088 from \$1,596,548; cement rose from 2,090,000 barrels worth \$3,200,000 to 2,167,461 barrels valued at \$3,215,000; lime production decreased from 269,314 tons to 224,763 tons; and the estimate for the output of stone and sand and gravel was put at \$4,400,000 compared with \$4,500,000 during the first six months of 1937.

EMPLOYMENT

The Census Analysis Branch of the Dominion Bureau of Statistics prepares monthly estimates of the total number of wage-earners in all industries, of those in employment and those unemployed. The estimates for May, 1938, show that the number of men and women available for employment in Canada was greater than in May of other years, except 1930. The number at work was also higher than in May of the years 1931 to 1936, but was lower than in that month of 1937. The number unemployed, though lower than in any May in the period, 1931-1936, was greater than in any other year for which estimates have been prepared, exceeding the figure for May, 1937. As compared with April, 1938, there was a decrease of some 37,000 in the estimated number of unemployed in all industries throughout the Dominion.

On July 1, 1938, returns were tabulated from 429 Canadian mine operators with 71,489 employees compared with 70,848 in their last report. A slight seasonal loss occurred in coal mines, but the extraction of metallic ores and of non-metallic minerals, other than coal, afforded more employment. The general index, at 154.5, was fractionally higher than at the beginning of July, 1937, although the increase over the preceding month had then been rather larger.

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This report contains finally revised statistics of Canada's mineral production for 1937. The value of production for the last calendar year totalled \$457,359,092 compared with \$361,919,372, or an increase of 26.4 per cent.

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AVERAGE MONTHLY PRICE OF GOLD, SILVER, COPPER, LEAD AND ZINC, IN CANADIAN FUNDS,
JANUARY 1 to JUNE 30, 1937 and 1938.

Month	G O L D		S I L V E R		C O P P E R	
	Dollars per fine oz.		Cents per fine oz.		Cents per lb.	
	1937	1938	1937	1938	1937	1938
January	35.01	34.99	44.926	44.754	12.337	10.131
February	35.01	35.00	44.759	44.736	13.990	9.756
March	34.98	35.05	45.120	44.569	16.603	9.725
April	34.95	35.15	45.397	42.983	14.601	9.701
May	34.94	35.22	44.961	43.091	14.008	9.162
June	35.02	35.36	44.839	43.213	13.541	8.832
AVERAGE	34.99	35.13	45.000	43.891	14.180	9.551

	L E A D		Z I N C	
	Cents per lb.		Cents per lb.	
	1937	1938	1937	1938
January	5.977	3.592	4.636	3.338
February	6.189	3.440	5.490	3.218
March	7.199	3.559	7.234	3.196
April	5.457	3.474	5.746	3.060
May	5.275	3.171	5.070	2.961
June	5.043	3.125	4.714	2.881
AVERAGE	5.857	3.3935	5.482	3.109

MINERAL PRODUCTION OF CANADA FOR THE PERIOD JANUARY 1 to JUNE 30, 1937 and 1938.

	1 9 3 7		1 9 3 8	
	January 1 to June 30		January 1 to June 30	
	Quantity	Value	Quantity	Value
<u>METALLICS</u>				
Arsenic (As ₂ O ₃)	lb.	796,229	24,492	645,615
Bismuth	lb.	...	...	19,525
Cadmium	lb.	373,014	559,522	...
Chromite .....	\$	...	3,286	373,624
Cobalt	lb.	240,862	379,195	...
Copper	lb.	243,919,406	34,377,884	219,515
Gold	fine oz.	1,966,858	40,658,562	288,662
Estimated exchange equalization on gold produced .....	\$	...	28,161,799	...
Lead	lb.	199,204,362	11,667,399	292,396,871
Nickel	lb.	111,610,392	29,218,283	27,765,202
Palladium, Rhodium, Iridium, etc.	fine oz.	57,642	1,433,407	2,219,309
Platinum	fine oz.	68,244	3,685,858	45,877,187
Radium and Uranium products ..	Data not available for publication			
Selenium	lb.	165,994	285,509	...
Silver	fine oz.	9,605,095	4,322,292	32,087,138
Tellurium	lb.	46,033	79,177	...
Titanium ore	ton	833	5,623	...
Zinc	lb.	170,535,713	9,348,768	6,956,380
TOTAL .....	\$	...	164,211,056	28,559,696
				157,124,764

MINERAL PRODUCTION OF CANADA FOR THE PERIOD JANUARY 1 to JUNE 30, 1937 and 1938.
(concluded)

		1 9 3 7		1 9 3 8	
		January 1 to June 30		January 1 to June 30	
		Quantity	Value	Quantity	Value
			\$		\$
<u>NON-METALLICS</u>					
<u>Fuels</u>					
Coal	ton	6,996,343	21,326,043	6,907,209	21,088,912
Natural gas	M cu.ft.	15,536,287	5,983,142	17,985,532	6,469,546
Peat	ton	...	...	...	...
Petroleum, crude	brl.	1,062,046	2,384,760	2,919,425	5,285,332
TOTAL .....	\$	...	29,693,945	...	32,843,790
<u>Other Non-Metallics</u>					
Asbestos	ton	197,800	6,678,083	132,291	5,757,453
Diatomite	ton	197	4,925	205	5,712
Feldspar	ton	8,425	77,216	5,648	52,238
Fluorspar	ton	43	752	50	875
Graphite .....	\$	...	63,070	...	22,616
Gypsum	ton	377,198	648,250	330,607	565,485
Iron oxides (ochre)	ton	2,735	42,580	1,350	27,105
Lithium ore .....	\$	...	1,202	...	...
Magnesium sulphate	ton	479	9,529	...	...
Magnesitic-dolomite .....	\$	...	340,907	...	261,905
Mica	lb.	1,327,480	65,737	405,901	41,466
Mineral waters	Imp. gal.	45,169	7,142	49,391	6,442
Nepheline syenite .....	\$	...	51,087	...	73,318
Phosphate	ton	...	...	206	1,826
Quartz	ton	628,807	495,411	710,254	420,988
Salt	ton	208,814	842,865	213,815	835,684
Silica brick	M	1,000	53,299	305	25,923
Soapstone .....	\$	...	11,516	...	7,835
Sodium sulphate	ton	37,817	264,784	28,460	211,375
Sulphur (x)	ton	62,055	544,425	58,930	577,011
Talc	ton	6,241	60,485	4,687	46,711
TOTAL .....	\$	...	10,263,265	...	8,941,968
<u>STRUCTURAL MATERIALS</u>					
Clay products .....	\$	...	1,596,548	...	1,564,088
Cement	brl.	2,090,006	3,200,000	2,167,461	3,215,000
Lime	ton	269,314	1,918,000	224,763	1,565,000
Stone and sand and gravel (a) .....	\$	...	4,500,000	...	4,400,000
TOTAL (a) .....	\$	...	11,214,548	...	10,744,088
GRAND TOTAL .....	\$	...	215,382,814	...	209,654,610

(x) Sulphur content of pyrites shipped and estimated sulphur contained in sulphuric acid and other products made from waste smelter gases.

(a) Estimated.

MINERAL PRODUCTION OF CANADA (EXCLUSIVE OF CLAY PRODUCTS AND OTHER

		Nova Scotia	New Brunswick	Quebec	Ontario
<u>METALLICS</u>					
Arsenic (As_2O_3)	lb.	...	...	...	645,615
	\$	...	...	...	19,525
Bismuth	lb.	...	...	...	...
	\$
Cadmium	lb.	...	...	...	...
	\$
Chromite	ton	...	...	...	...
	\$
Cobalt	lb.	...	...	...	219,515
	\$	...	...	...	288,662
Copper	lb.	...	...	54,121,838	163,897,090
	\$	...	...	5,169,177	15,492,188
Gold	fine oz.	12,704	...	425,018	1,372,619
	\$	262,615	...	3,735,902	28,374,552
Estimated exchange equalization on gold production	\$	183,677	...	6,144,980	19,845,553
Lead	lb.	...	...	...	7,329
	\$	...	...	...	249
Nickel	lb.	...	...	...	109,286,472
	\$	...	...	...	28,559,696
Palladium, Rhodium, .fine	oz.	...	...	...	58,211
Iridium, etc.	\$	...	...	...	1,709,300
Platinum, .fine	oz.	...	...	...	71,856
	\$	...	...	...	2,269,212
Selenium	lb.	...	...	109,577	54,577
	\$	...	...	191,759	95,510
Silver	fine oz.	432	...	517,747	1,853,272
	\$	190	...	227,244	813,420
Tellurium	lb.	...	...	32,294	...
	\$	...	...	56,514	...
Titanium ore	ton	...	...	...	...
	\$
Zinc	lb.	...	...	...	...
	\$
TOTAL METALLICS	\$	446,482	...	20,575,576	97,467,867

NON-METALLICS

Fuels

Coal	ton	3,259,316	154,295	...	...
	\$	11,392,313	496,452	...	...
Natural Gas	M cu.ft.	...	359,746	...	6,000,000
	\$	...	177,120	...	3,660,000
Peat	ton	...	...	...	...
	\$
Petroleum, crude	brl.	...	8,857	...	81,198
	\$	...	12,488	...	170,675
Total Fuels	\$	11,392,313	686,060	...	3,830,675

STRUCTURAL MATERIALS), BY PROVINCES, JANUARY 1 to JUNE 30, 1938.

Manitoba	Saskatchewan	Alberta	British Columbia	Yukon	Northwest Territories
...
...
...
...
68,152	35,798	...	258,792	...	...
70,197	36,871	...	266,556	...	...
...
...
...
...
33,791,190	7,365,050	...	33,221,703	...	...
3,227,396	703,436	...	3,173,005	...	...
93,191	20,421	...	281,393	13,958	5
1,926,429	422,140	...	5,816,909	288,537	103
1,347,371	295,250	...	4,068,427	201,808	72
...	...	...	203,078,408	1,875,384	...
...	...	...	6,892,481	63,650	...
...
...
...
...	...	...	10	...	...
...	...	...	316	...	...
35,754	13,327	...	...	...	...
62,570	23,322	...	...	...	...
649,015	384,092	...	5,405,642	1,423,376	298,435
284,859	168,582	...	2,372,590	624,734	130,986
4,970	1,852	...	...	...	...
8,698	3,241	...	...	...	...
...
...
25,030,307	12,957,584	...	139,963,332	...	...
778,192	402,851	...	4,973,260	...	...
7,705,712	2,055,693	...	27,563,544	1,178,729	131,161
1,121	416,888	2,351,911	723,678	...	...
2,804	560,325	6,032,714	2,604,304	...	...
300	49,535	11,575,951	...	...	...
90	17,336	2,615,000	...	...	...
...
...
...	...	2,829,370	...	...	...
...	...	5,102,169	...	...	...
2,894	577,661	13,749,883	2,604,304	...	...

MINERAL PRODUCTION OF CANADA (EXCLUSIVE OF CLAY PRODUCTS AND OTHER

		Nova Scotia	New Brunswick	Quebec	Ontario
<u>Other Non-Metallics</u>					
Asbestos	ton	...	...	132,291	...
	\$	...	...	5,757,453	...
Diatomite	ton	160	...	...	...
	\$	5,600	...	...	...
Feldspar	ton	...	...	1,687	3,883
	\$	...	...	22,419	29,741
Fluorspar	ton	...	...	...	50
	\$	...	...	...	875
Graphite .....	\$	...	...	...	22,616
Gypsum	ton	277,231	17,466	...	23,999
	\$	304,236	64,621	...	115,278
Iron Oxides (Ochre) ..	ton	...	...	926	...
	\$	...	...	22,545	...
Lithium ore .....	\$	...	...	...	...
Magnesitic-dolomite ..	\$	...	...	261,905	...
Magnesium sulphate ...	ton	...	...	...	...
	\$
Mica	lb.	...	...	194,345	211,556
	\$	...	...	40,043	1,423
Mineral waters ... Imp.	gal.	...	...	35,175	14,216
	\$	...	...	5,293	1,149
Nepheline-syenite ....	\$	...	...	...	73,318
Phosphate	ton	...	...	206	...
	\$	...	...	1,826	...
Quartz	ton	396	...	46,540	609,391(a)
	\$	709	...	165,801	235,604
Salt	ton	22,491	...	...	189,038
	\$	93,368	...	...	713,167
Silica brick	M	71	...	...	234
	\$	3,733	...	...	22,190
Soapstone .....	\$	...	...	7,835	...
Sodium sulphate	ton	...	...	...	...
	\$
Sulphur (x)	ton	...	...	7,919	8,867
	\$	...	...	78,469	88,670
Talc	ton	...	...	...	4,687
	\$	...	...	...	46,711
Total Other Non-Metallics	\$	407,646	64,621	6,363,589	1,350,742

(a) Includes low grade silica sand used as flux.

(x) Sulphur content of pyrites shipped and estimated sulphur contained in sulphuric acid and other products made from waste smelter gases.

NOTE - Figures for Structural Materials are not available by provinces.

STRUCTURAL MATERIALS). BY PROVINCES, JANUARY 1 to JUNE 30, 1938. (concluded)

Manitoba	Saskat- chewan	Alberta	British Columbia	Yukon	Northwest Territories
...
...
...	45	...	...
...	112	...	...
78
78
...
...
...
5,120	6,791	...	...
37,987	43,363	...	...
...	434	...	...
...	4,560	...	...
...
...
...
...
...
...
...
...
...
...
...	53,927(a)	...	...	...	...
...	18,874	...	...	...	...
1,189	...	1,097	...	...	...
15,342	...	13,807	...	...	...
...
...
...
...	28,460	...	...	...	...
...	211,375	...	...	...	...
...	42,144	...	...
...	409,872	...	...
...
...
53,407	230,249	13,807	457,907	...	...

FINALLY REVISED FIGURES ON THE MINERAL

		Nova Scotia	New Brunswick	Quebec	Ontario
<u>METALLICS</u>					
Antimony (a)	lb.	48,163	...	...	...
	\$	7,394	...	...	...
Arsenic (As ₂ O ₃)	lb.	...	...	...	1,389,426
	\$	...	...	...	41,032
Bismuth	lb.	...	...	...	5,711
	\$	...	...	...	5,654
Cadmium	lb.	...	...	...	...
	\$
Chromite	ton	...	...	...	...
	\$	...	...	3,286	39,964
Cobalt	lb.	...	...	...	507,064
	\$	...	...	...	848,145
Copper	lb.	180,609	...	94,653,132	322,039,208
	\$	23,620	...	12,378,737	41,716,364
Gold	fine oz.	19,918	...	711,480	2,587,095
(standard)	\$	411,742	...	14,707,596	53,479,998
Estimated exchange equalization on gold produced	\$	285,189	...	10,187,089	37,042,456
Lead	lb.	418,086	...	1,521,182	29,849
	\$	21,364	...	77,732	1,525
Manganese ore	ton	...	85	...	...
	\$	...	817	...	...
Molybdenite (concentrates)	ton	...	...	...	8
	\$	...	...	...	8,147
Nickel	lb.	...	...	...	224,790,974
	\$	...	...	...	59,469,423
Palladium, Rhodium, ..	fine oz.	...	...	...	119,829
Iridium, etc. ....	\$	...	...	...	3,179,782
Platinum	fine oz.	...	...	...	139,355
	\$	...	...	...	6,751,750
Radium and uranium(products) ..	\$	...	...	...	...
Selenium	lb.	...	...	208,531	116,696
	\$	...	...	360,759	201,884
Silver	fine oz.	26,990	...	908,590	4,693,047
	\$	12,113	...	407,784	2,106,286
Tellurium	lb.	...	...	26,439	6,651
	\$	...	...	45,739	11,506
Titanium ore	ton	...	...	4,229	...
	\$	...	...	26,432	...
Zinc	lb.	5,485,550	...	8,566,927	120,011
	\$	268,902	...	419,951	5,883
TOTAL METALLICS	\$	1,030,324	817	38,615,105	204,909,799

NON-METALLICS

Fuels

Coal	ton	7,256,954	364,714	...	...
	\$	25,640,819	1,180,611	...	...
Natural Gas	M cu.ft.	...	576,671	...	10,746,334
	\$	...	283,922	...	6,588,798
Peat	ton	...	...	...	478
	\$	...	...	...	2,676
Petroleum, crude	brl.	...	18,089	...	165,205
	\$	...	25,496	...	356,000
Total Fuels	\$	25,640,819	1,490,029	...	6,947,474

(a) Contained in concentrates exported.

PRODUCTION OF CANADA, BY PROVINCES, 1937.

Manitoba	Saskatchewan	Alberta	British Columbia	Northwest Territories	Yukon	CANADA
...	...	...	...	...	...	48,163
...	...	...	...	...	...	7,394
...	...	...	...	...	...	1,389,426
...	...	...	...	...	...	41,032
...	...	...	...	...	...	5,711
...	...	...	...	...	...	5,654
164,223	144,553	...	436,431	...	...	745,207
269,326	237,067	...	715,747	...	...	1,222,140
...
...	...	...	...	...	...	43,250
...	...	...	...	...	...	507,064
...	...	...	...	...	...	848,145
44,920,835	22,436,843	...	45,797,988	...	...	530,028,615
5,874,747	2,934,290	...	5,989,461	...	...	68,917,219
157,949	65,886	46	505,857	...	47,982	4,096,213
3,265,096	1,361,984	951	10,456,992	...	991,876	84,676,235
2,261,540	943,367	659	7,242,944	...	687,014	58,650,258
...	...	...	403,589,913	...	6,440,454	411,999,484
...	...	...	20,623,445	...	329,107	21,053,173
...	...	...	...	...	...	85
...	...	...	...	...	...	817
...	...	...	...	...	...	8
...	...	...	...	...	...	8,147
...	...	...	...	...	...	224,905,046
...	...	...	37,753	...	...	59,507,176
...	...	...	...	...	...	119,829
...	...	...	...	...	...	3,179,782
...	...	...	22	...	...	139,377
...	...	...	1,066	...	...	6,752,816
...	...	...	...	...	...	(c)
43,920	28,080	...	...	...	...	397,227
75,982	48,578	...	...	...	...	687,203
905,179	821,818	4	11,530,177	135,442	3,956,504	22,977,751
406,253	368,840	2	5,174,859	60,788	1,775,719	10,312,644
5,124	3,276	...	...	...	...	41,490
8,865	5,667	...	...	...	...	71,777
...	...	...	...	...	...	4,229
...	...	...	...	...	...	26,432
36,221,314	32,750,910	...	287,192,877	...	...	370,337,589
1,775,569	1,605,449	...	14,078,195	...	...	18,153,949
13,937,378	7,505,242	1,612	64,320,462	60,788	3,783,716	334,165,243
3,172	1,049,348	5,562,839	1,598,843	...	84	15,835,954
7,709	1,494,337	14,563,911	5,863,849	...	812	48,752,048
600	100,380	20,955,506	...	1,500	...	32,380,991
180	35,130	4,766,437	...	335	...	11,674,802
...	...	...	...	...	...	478
...	...	...	...	...	...	2,676
...	...	2,749,085	...	11,371	...	2,943,750
...	...	4,961,002	...	56,855	...	5,399,353
7,889	1,529,467	24,291,350	5,863,849	57,190	812	65,828,879

(c) Data not available for publication.

FINALLY REVISED STATISTICS ON THE MINERAL

		Nova Scotia	New Brunswick	Quebec	Ontario
<u>NON-METALLICS (continued)</u>					
<u>Other Non-Metallic and Industrial Minerals</u>					
Asbestos	ton	...	...	410,025	1
	\$	...	...	14,505,541	250
Bituminous sands	ton	...	...	...	...
	\$
Diatomite	ton	481	...	...	38
	\$	15,392	...	...	1,868
Feldspar	ton	...	...	12,285	9,061
	\$	...	...	105,612	72,610
Fluorspar	ton	...	...	...	150
	\$	...	...	...	2,550
Graphite .....	\$	...	...	...	125,343
Grindstones (includes	ton	37	288	...	...
pulpstones, etc.)	\$	4,415	12,139	...	...
Gypsum	ton	926,796	36,906	...	53,780
	\$	978,288	131,727	...	233,895
Iron Oxides (Ochre)	ton	...	...	5,617	...
	\$	...	...	77,640	...
Lithium minerals .....	\$	...	...	...	...
Magnesitic-dolomite .....	\$	...	...	677,207	...
Magnesium sulphate	ton	...	...	...	...
	\$
Mica	lb.	...	...	1,092,105	798,271
	\$	...	...	124,594	9,137
Mineral waters	Imp. gal.	...	...	198,319	26,700
	\$	...	...	19,697	889
Nepheline-syenite .....	\$	...	...	...	121,481
Phosphate	ton	...	...	100	...
	\$	...	...	900	...
Quartz	ton	11,732	...	127,535	1,142,372
	\$	14,078	...	448,327	633,073
Salt	ton	47,865	...	...	407,701
	\$	216,401	...	...	1,539,599
Silica brick	M	2,926	...	...	818
	\$	121,146	...	...	59,980
Soapstone (A) .....	\$	...	...	40,513	...
Sodium carbonate	ton	...	...	...	...
	\$
Sodium sulphate	ton	...	...	...	...
	\$
Sulphur (x)	ton	...	...	28,534	14,009
	\$	...	...	194,496	140,090
Talc	ton	...	...	...	12,457
	\$	...	...	...	123,301
Total Other Non-Metallics	\$	1,349,720	143,866	16,194,527	3,064,066

(x) Sulphur content of pyrites shipped and estimated sulphur contained in sulphuric acid and elemental sulphur made from waste smelter gases.

(A) Includes some talc.

PRODUCTION OF CANADA, BY PROVINCES, 1937. (continued)

Manitoba	Saskat- chewan	Alberta	British Columbia	Northwest Territories	Yukon	CANADA
...	410,026
...	14,505,791
...	...	35	...	...	...	35
...	...	142	...	...	...	142
...	124	...	...	643
...	1,346	...	...	18,606
...	21,346
...	178,222
...	150
...	2,550
...	125,343
...	87	...	...	412
...	4,875	...	...	21,429
13,941	15,764	...	...	1,047,187
88,095	108,478	...	...	1,540,483
...	580	...	...	6,197
...	6,000	...	...	83,640
1,694	1,694
...	677,207
...	727	...	...	727
...	14,456	...	...	14,456
...	1,890,376
...	133,731
...	225,019
...	20,586
...	121,481
...	100
...	900
...	95,809	...	...	...	...	1,377,448
...	33,533	...	...	...	...	1,129,011
3,391	458,957
43,465	1,799,465
...	3,744
...	181,126
...	40,513
...	286	...	...	286
...	2,574	...	...	2,574
...	79,804	80	...	...	...	79,884
...	617,548	480	...	...	...	618,028
...	88,370	...	...	130,913
...	820,406	...	...	1,154,992
...	12,457
...	123,301
133,254	651,081	622	958,135	...	...	22,495,271

FINALLY REVISED STATISTICS ON THE MINERAL

		Nova Scotia	New Brunswick	Quebec	Ontario
<u>CLAY PRODUCTS AND OTHER STRUCTURAL MATERIALS</u>					
<u>Clay Products</u>					
Clay - Fireclay	ton	2,660	42	...	...
	\$	8,208	1,660	...	...
Bentonite	ton	...	...	...	...
	\$
Brick - Soft mud process -					
Face	M	...	...	600	9,015
	\$	...	...	7,527	157,160
Common	M	171	1,882	1,784	9,149
	\$	1,800	26,868	17,539	120,731
Stiff mud process - (wire cut)					
Face	M	639	798	13,043	21,904
	\$	14,307	17,688	250,737	416,048
Common	M	4,472	1,849	33,475	13,516
	\$	58,753	21,853	458,485	187,776
Dry press -					
Face	M	...	...	1,659	9,277
	\$	...	...	40,283	177,837
Common	M	...	...	3,292	3,272
	\$	...	...	51,025	48,220
Fancy or ornamental brick	M	...	...	...	55
	\$	...	...	...	2,972
Sewer brick	M	...	...	...	175
	\$	...	...	...	2,777
Paving brick	M	...	...	...	...
	\$
Firebrick	M	...	...	...	...
	\$
Fireclay blocks and shapes.	\$	753	800	...	...
Structural tile -					
Hollow blocks	ton	4,471	589	20,016	32,864
	\$	40,898	4,586	169,632	262,988
Roofing tile	No.	...	...	...	36,152
	\$	...	...	...	2,117
Floor tile (quarries) .	Sq.ft.	...	...	...	70,329
	\$	...	...	...	11,708
Drain tile	M	70	366	464	9,605
	\$	2,991	17,261	13,950	233,258
Sewer pipe, copings, flue linings, etc.	\$	279,136	355	43,415	338,895
Pottery, glazed or unglazed	\$	...	52,805	...	54,581
Other clay products .....	\$	...	...	560	16,777
Total Clay Products ..	\$	406,846	123,876	1,053,153	2,033,845

PRODUCTION OF CANADA, BY PROVINCES, 1937. (continued)

Manitoba	Saskatchewan	Alberta	British Columbia	Northwest Territories	Yukon	CANADA
...	4,713	...	650	...	...	8,165
...	11,868	...	9,332	...	...	31,068
132	...	...	31	...	...	163
1,154	...	...	817	...	...	1,971
...	...	61	228	...	...	9,904
...	...	1,335	9,472	...	...	175,544
5,234	...	1,691	3,725	...	...	23,636
77,868	...	20,390	51,338	...	...	316,534
299	54	109	764	...	...	37,610
7,553	1,561	2,177	25,544	...	...	735,615
...	258	553	1,566	...	...	55,689
...	2,555	3,212	22,996	...	...	755,630
...	59	1,570	...	...	...	12,565
...	1,677	13,745	...	...	...	233,542
...	...	7,572	...	...	...	14,136
...	...	53,417	...	...	...	152,662
...	...	...	...	...	...	55
...	...	...	...	...	...	2,972
...	...	...	...	...	...	175
...	...	...	...	...	...	2,777
...	...	...	3	...	...	3
...	...	...	131	...	...	131
...	522	10	2,418	...	...	2,950
...	27,010	474	115,343	...	...	142,827
...	63,106	...	10,772	...	...	75,431
638	775	2,841	2,332	...	...	64,526
5,432	7,553	20,903	21,851	...	...	533,843
...	...	...	24,390	...	...	60,542
...	...	...	1,185	...	...	3,302
...	...	...	2,862	...	...	73,191
...	...	...	461	...	...	12,169
58	...	44	784	...	...	11,391
3,524	...	2,200	25,786	...	...	298,970
...	...	85,490	42,919	...	...	790,210
...	...	135,245	9,578	...	...	232,209
...	...	...	2,115	...	...	19,452
95,531	115,330	338,638	349,640	...	...	4,516,859

FINALLY REVISED STATISTICS ON THE MINERAL

	Nova Scotia	New Brunswick	Quebec	Ontario
CLAY PRODUCTS AND OTHER STRUCTURAL MATERIALS -- concluded				
<u>Other Structural Materials</u>				
Cement brl.	...	...	2,578,623	2,650,652
\$	...	...	3,537,798	3,657,067
Lime ton	17,687	19,899	156,313	294,467
\$	150,115	150,362	909,116	2,152,644
Sand and gravel. ton	2,992,429	1,136,013	9,476,000	8,832,526
\$	1,457,266	715,652	2,637,495	3,613,854
Slate ton	...	...	414	300
\$	...	...	471	2,258
Stone ton	178,721	57,468	1,957,982	4,222,700
\$	279,098	139,041	2,212,550	3,661,510
Total Other Structural Materials\$	1,886,479	1,005,055	9,297,430	13,087,333
GRAND TOTAL \$	30,314,188	2,763,643	65,160,215	230,042,517

PRODUCTION OF CANADA, BY PROVINCES, 1937. (concluded)

Manitoba	Saskatchewan	Alberta	British Columbia	Northwest Territories	Yukon	CANADA
328,518	...	267,106	344,072	...	...	6,168,971
745,736	...	531,541	623,725	...	...	9,095,867
22,597	...	10,651	27,739	...	...	549,353
215,165	...	93,478	154,037	...	...	3,824,917
1,380,957	822,447	711,966	1,648,963	...	...	27,001,301
551,464	470,343	312,687	733,935	...	...	10,492,696
...	...	...	186	...	...	900
...	...	...	2,790	...	...	5,519
41,191	...	13,225	463,425	...	...	6,934,712
65,228	...	27,189	549,225	...	...	6,933,841
1,577,593	470,343	964,895	2,063,712	...	...	30,352,840
15,751,645	10,271,463	25,597,117	73,555,798	117,978	5,784,528	457,359,092

PRODUCTION IN CANADA, IMPORTS and EXPORTS OF ARSENIC, JANUARY 1 to JUNE 30, 1937 and 1938.

and 1993.

	1	9	3	7		1	9	3	8
	Pounds		Value			Pounds		Value	
			\$					\$	
<u>PRODUCTION -</u>									
White arsenic	796,229		24,492			645,615		19,525	
<u>IMPORTS -</u>									
White arsenic (arsenious oxide) ...	5,138		281			150,803		2,798	
Sulphide of arsenic	24,425		3,307			4,992		98	
Soda, arseniate, bi-arseniate and stannate of	8,210		2,716			6,208		1,520	
Arsenate of lead	237,992		19,565			387,771		31,310	
Arsenate of lime	35,696		2,164			27,440		2,892	
<u>EXPORTS</u>									
Arsenic, n.o.p.	362,200		12,684			211,600		7,564	

PRODUCTION IN CANADA, IMPORTS AND EXPORTS OF COPPER, JANUARY 1 to JUNE 30, 1937 and 1938.

	1937		1938	
	Pounds	Value \$	Pounds	Value \$
<u>PRODUCTION - By Provinces</u>				
Nova Scotia	180,949	25,659	...	...
Quebec	39,055,191	5,538,026	54,121,838	5,169,177
Ontario	158,394,912	22,250,510	163,897,090	15,492,188
Manitoba	17,975,386	2,548,910	33,791,190	3,227,396
Saskatchewan	10,243,335	1,452,505	7,365,050	703,436
British Columbia	18,069,633	2,562,274	33,221,703	3,173,005
TOTAL	243,919,406	34,377,884	292,396,871	27,765,202
<u>By Sources -</u>				
In blister copper produced	215,996,243	30,628,267	245,141,550	23,413,470
(x) In ores shipped and concentrates exported	21,322,914	3,023,590	40,919,622	3,908,233
In copper-nickel matte exported	6,600,249	726,027	6,335,699	443,499
TOTAL	243,919,406	34,377,884	292,396,871	27,765,202

(x) Includes copper in matte exported from British Columbia.

IMPORTS -

Copper in bars or rods, when imported by manufacturers of trolley, telegraph and telephone wires and electric cables for use only in the manufacture of such articles in their own factories	435,100		67,061			461,400		61,207	
Copper in bars or rods, in coil or otherwise, in lengths of not less than 6 feet, unmanufactured ...	138,400		27,786			101,700		16,563	
Copper in blocks, pigs or ingots	14,400		1,801			7,100		863	
Copper in strips, sheets or plates not polished or coated	467,100		100,164			98,200		21,755	
Copper tubing in lengths of not less than 6 feet, and not polished, bent or otherwise manufactured.	370,048		108,510			176,158		49,048	

PRODUCTION IN CANADA, IMPORTS AND EXPORTS OF COPPER, JANUARY 1 to JUNE 30, 1937 and 1938. (concluded)

	1937	Value	1938	Value
	Pounds	\$	Pounds	\$
<u>IMPORTS (concluded)</u>				
Copper wire	25,320	3,956	12,696	2,419
Copper wire cloth, or woven wire of copper .....	...	3,164	...	1,818
Copper, all other, manufactures of, n.o.p. ....	...	268,478	...	235,060
Copper, precipitate of, crude ...	166	22	2,000	182
Copper, sub-acetate of, or verdigris, dry .....	...	...	800	294
Copper, sulphate of (blue vitriol) and copper sulphate of, dehydrated for agricultural or spraying purposes	3,145,291	131,224	2,473,365	89,861
Copper rollers adapted for use in calico printing .....	...	71,945	...	28,360
TOTAL .....	...	784,111	...	507,430
<u>EXPORTS -</u>				
Copper, fine, contained in ore, matte, regulus, etc.	31,669,400	3,364,139	57,347,400	3,958,980
Copper, blister .....	...	...	15,893,400	1,620,287
Copper, old and scrap	3,825,100	402,073	1,196,000	61,779
Copper in ingots, bars, cakes, slabs and billets	136,634,100	18,062,930	170,984,900	16,757,310
Copper in rods, strips, sheets, plates and tubing	20,169,700	2,887,969	22,268,800	2,428,571
Copper wire and cable .....	...	142,106	...	204,046
Copper manufactures, n.o.p. ....	...	155,274	...	180,236
TOTAL .....	...	25,014,491	...	25,211,209
Copper coin, foreign .....	...	907	...	4,188
Copper coin, Canadian .....	...	...	...	...

WORLD PRODUCTION OF COPPER(a) - JANUARY TO JUNE, 1938.

(Short tons)

	BLISTER		REFINED	
	U.S. mine	Foreign mine	United States	Foreign
January	49,600	95,939	70,487	103,815
February	43,342	89,855	59,393	101,957
March	43,553	95,919	61,117	108,704
April	41,698	91,267	55,749	106,839
May	38,306	94,410	47,300	102,044
June	31,399	93,185	32,465	110,067
TOTAL	247,898	560,575	326,511	633,426

(a) Copper Institute figures - taken from Engineering and Mining Journal (Metal and Mineral Markets) New York.

PRODUCTION OF GOLD(x), BY PROVINCES and BY SOURCES, JANUARY 1 to JUNE 30, 1937 and 1938.

	1930.								
	1	9	3	7	1	9	3	8	
	Fine ounces				\$	Fine ounces			
					\$				
<u>NOVA SCOTIA -</u>									
In gold bullion and in ores exported	9,118		188,486		12,704		262,615		
Equalization exchange .....	...		130,553		...		183,677	
TOTAL NOVA SCOTIA IN CANADIAN FUNDS	...		319,039		...		446,292		
<u>QUEBEC -</u>									
In gold bullion, blister copper and in ores shipped	336,203		6,949,935		425,018		8,785,902		
Equalization exchange .....	...		4,813,810		...		6,144,980	
TOTAL QUEBEC IN CANADIAN FUNDS ....	...		11,763,743		...		14,930,882	
<u>ONTARIO -</u>									
<u>Porcupine Area -</u>									
In gold bullion	546,534		11,297,860		598,744		12,377,137		
<u>Kirkland Lake Area -</u>									
In gold bullion	501,358		10,363,989		501,941		10,376,041		
Other gold mines and in matte and blister copper	218,851		4,524,052		271,934		5,621,374		
Total Ontario	1,266,743		26,185,901		1,372,619		28,374,552		
Equalization exchange .....	...		18,137,436		...		19,845,553	
TOTAL ONTARIO IN CANADIAN FUNDS ...	...		44,323,337		...		48,220,105	
<u>MANITOBA -</u>									
In gold bullion from gold mines and in blister copper	77,594		1,604,010		93,191		1,926,429		
Equalization exchange .....	...		1,111,004		...		1,347,371	
TOTAL MANITOBA IN CANADIAN FUNDS ..	...		2,715,014		...		3,273,800	
<u>SASKATCHEWAN -</u>									
In blister copper and in gold bullion	33,177		685,829		20,421		422,140		
Equalization exchange .....	...		475,034		...		295,250	
TOTAL SASKATCHEWAN IN CANADIAN FUNDS	...		1,160,863		...		717,390		
<u>ALBERTA -</u>									
In crude alluvial gold	17		351		...		...
Equalization exchange .....	...		244		...		...
TOTAL ALBERTA IN CANADIAN FUNDS ...	...		595		...		...
<u>BRITISH COLUMBIA -</u>									
In alluvial gold	9,600		198,450		12,000		248,062		
In gold bullion from gold mines	124,436		2,572,320		151,642		3,134,718		
In base bullion(a) and in ores, etc., exported	100,255		2,072,455		117,751		2,434,129		
Total British Columbia	234,291		4,843,225		281,393		5,816,909		
Exchange equalization .....	...		3,354,617		...		4,068,427	
TOTAL BRITISH COLUMBIA IN CANADIAN FUNDS .....	...		8,197,842		...		9,885,336	
<u>NORTHWEST TERRITORIES -</u>									
In silver ores .....	...		...		5		103	
Exchange equalization .....	...		...		...		72	
TOTAL NORTHWEST TERRITORIES IN CANADIAN FUNDS .....	...		...		...		175	

PRODUCTION OF GOLD(x), BY PROVINCES and BY SOURCES, JANUARY 1 to JUNE 30, 1937 and 1938 (concluded)

	1	9	3	7		1	9	3	8
	Fine ounces				\$	Fine ounces			
					\$				
<u>YUKON -</u>									
In alluvial gold and in ores exported	9,715				200,827	13,958			288,537
Equalization exchange .....	...				139,101	...			201,808
TOTAL YUKON IN CANADIAN FUNDS .....	...				339,928	...			490,345
TOTAL - AT STANDARD PRICE OF GOLD	1,966,858				40,658,562	2,219,309			45,877,187
Estimated equalization on gold produced	...				28,161,799	...			32,087,138
TOTAL VALUE IN CANADIAN FUNDS .....	...				68,820,361	...			77,964,325

(x) Gold valued at \$20.671834 per fine ounce and equalization exchange estimated with gold valued at \$34.99 in 1937 and \$35.13 in 1938.

(a) Includes gold recovered from treatment of silver-lead ores, gold ores, etc.

IMPORTS INTO CANADA and EXPORTS OF GOLD, JANUARY 1 to JUNE 30, 1937 and 1938.

	1937	1938
<u>IMPORTS -</u>		
Coins and bullion -		
Gold coins	\$ 28,910	45,168
Coins, n.o.p.	\$ 455,562	629,324
Gold in bars, blocks, ingots, drops, sheets or plates, unmanufactured	\$ 17,235	26,297,752
Gold, other -		
Bullion or gold fringe	\$ 1,600	2,536
Manufactures of gold and silver -		
Leaf	\$ 38,946	28,304
Sweepings	\$...	104
Manufactures, n.o.p.	\$ 18,792	11,571
Electroplated ware	\$ 662,036	619,445
Gold, unmanufactured, for commercial purposes	\$ 96,304	30,064

EXPORTS -

Gold-bearing quartz, dust, nuggets and crude bullion obtained direct from mining operations	\$ 3,227,660	3,979,806
Jewellers' sweepings (gold, silver and platinum)	\$ 690,434	725,978

Coin and bullion -

Gold bullion other than monetary	\$ 59,352,804	47,477
Canadian gold bullion - monetary .....	\$ ...	...
Canadian gold coin - monetary .....	\$ ...	...
Foreign gold bullion - monetary .....	\$ ...	...
Foreign gold coin - monetary	\$ 16,500	28,409,597
Foreign gold coin - other than monetary	\$...	19,207,284

GOLD PRODUCTION OF THE WORLD - JANUARY 1 to JUNE 30, 1938.

Source - American Bureau of Metal Statistics.

Country	Thousands of fine ounces
United States ... (a)	2,155
Canada	2,211
Mexico	456
Colombia	246
Chile	129
Other America	428
Europe (b)	272
British India (c)	160
Japan (c)	365(x)
Other Asia	545
Queensland	69
Western Australia	556
Other Australia	167
New Guinea	104
New Zealand	79
South Africa	5,951
Belgian Congo	227
Rhodesia	405
British West Africa	358
Other Africa	214
Total - ex. Russia	15,101
Total - ex. Russia previous year	14,445

(a) Includes Philippines.

(b) Exclusive of Russia; accounts chiefly for Sweden and Rumania.

(c) Principal mines only, but nearly complete. Owing to governmental interdiction the accounting for Japan is now necessarily on the assumption that it is being maintained about at prior rate.

(x) Conjectural.

PRODUCTION IN CANADA, IMPORTS and EXPORTS OF LEAD, JANUARY 1 to JUNE 30, 1937 and 1938.

	1937		1938	
	Pounds	\$	Pounds	\$
PRODUCTION -				
Nova Scotia	418,086	24,487	...	...
Quebec .....	...	...	...	...
Ontario	7,163	420	7,329	249
British Columbia	197,288,120	11,555,165	203,078,408	6,892,481
Yukon	1,490,993	87,327	1,875,384	63,650
TOTAL	199,204,362	11,667,399	204,961,121	6,956,380

IMPORTS -

Old and scrap pig and block ...	53,018	3,885	44,241	2,418
Bars and sheets	25,961	2,016	20,281	1,131
Litharge	1,266,300	99,361	828,100	54,380
Acetate of lead	85,418	6,055	83,506	4,906
Nitrate of lead	151,414	12,104	81,316	4,906
Other manufactures .....	...	42,012	...	31,969
Lead pipe	8,060	1,433	14,682	889
Shots and bullets	2,101	199	3,831	291
Tetraethyl lead, compounds of .	1,707,384	768,977	2,160,121	976,809

PRODUCTION IN CANADA, IMPORTS and EXPORTS OF LEAD, JANUARY 1 to JUNE 30, 1937 and 1938 (concluded)

	1937					1938			
	Pounds		\$			Pounds		\$	
<u>IMPORTS (concluded)</u>									
Lead pigments -									
Dry white lead	20,832		1,445			71,240		4,226	
White lead, ground in oil	8,146		788			2,006		184	
Dry red lead and orange mineral	288,429		24,754			277,761		18,829	
TOTAL .....	...		963,029			...		1,100,938	

EXPORTS -

Lead contained in ore	4,221,000			182,974		473,100			16,489
Pig lead	197,625,000			10,586,142		144,205,200			4,179,586
TOTAL	201,846,000			10,769,116		144,678,300			4,196,075

REFINED LEAD PRODUCTION OF THE WORLD - JANUARY 1 to JUNE 30, 1938.

Source - American Bureau of Metal Statistics.

Country	Short tons
United States (a)	210,242
Canada	103,485
Mexico	117,622
Austria and Yugoslavia	10,650
France	21,634
Germany	96,101
Italy	22,631
Poland	6,930
Other Europe (b)	90,800
Australia (c)	120,637
Burma	44,856
Tunis	11,468
Elsewhere (d)	62,200
WORLD'S TOTAL	919,256

(a) Domestic only.

(b) Belgium, Russia, Great Britain and Czechoslovakia; partly estimated.

(c) Includes Australian lead refined in Great Britain.

(d) Argentina, Peru, Japan and the product of foreign ore smelted in U.S.A.; partly estimated; also inclusive of what is probably the major part of the production in Spain.

PRODUCTION OF SILVER IN CANADA, BY PROVINCES and BY SOURCES, JANUARY 1 to JUNE 30, 1937 and 1938.

	1957 and 1958.									
	1	9	3	7		1	9	3	8	
	Fine					Fine				
	ounces				\$	ounces				\$
<hr/>										
<u>NOVA SCOTIA -</u>										
In gold bullion	26,648				11,992	432				190
<hr/>										
<u>QUEBEC -</u>										
In gold ores, in blister copper										
and in ores exported	322,509				145,129	517,747				227,244

PRODUCTION OF SILVER IN CANADA, BY PROVINCES and BY SOURCES, JANUARY 1 to JUNE 30, 1937 and 1938. (concluded)

	1937 and 1938 (continued)					1939				
	1	9	3	7		1	9	3	8	
	Fine ounces				\$	Fine ounces				\$
<u>ONTARIO</u> -										
In silver bullion	657,330		295,793			396,746		174,136		
In gold bullion	329,899(x)		148,455			261,851		114,929		
In matte and crude bullion exported, in blister copper produced and in ores exported from province	1,171,374		527,118			1,194,675		524,355		
Total Ontario	2,158,603		971,371			1,853,272		813,420		
<u>MANITOBA</u> -										
In gold bullion, in blister copper and ores shipped	427,667		192,450			649,015		284,859		
<u>SASKATCHEWAN</u> -										
In blister copper and gold ores .	359,614		161,826			384,092		168,582		
<u>ALBERTA</u> -										
In gold bullion	2		1			...		...
<u>BRITISH COLUMBIA</u> -										
In alluvial gold	2,160		972			2,700		1,185		
In gold bullion	39,119		17,603			51,350		22,538		
In base bullion and in ores ex- ported	5,274,633		2,373,585			5,351,592		2,348,867		
Total British Columbia	5,315,912		2,392,160			5,405,642		2,372,590		
<u>YUKON</u> -										
In alluvial gold and in ores ex- ported	925,162		416,323			1,423,376		624,734		
<u>NORTHWEST TERRITORIES</u> -										
In pitchblende silver ores	68,978		31,040			298,435		130,986		
TOTAL CANADA	9,605,095		4,322,292			10,532,011		4,622,605		

(x) Includes silver in smelter shipments.

Silver evaluated at 45.000 cents per fine ounce in 1937 and 43.891 cents per fine ounce in 1938, in Canadian funds.

IMPORTS INTO CANADA and EXPORTS OF SILVER, JANUARY 1 to JUNE 30, 1937 and 1938.

	1	9	3	7		1	9	3	8
	Fine ounces				\$	Fine ounces			
<u>IMPORTS</u> -									
Silver in bars, etc., unmanufactured	1,121,946		497,728			1,238,608		529,011	
Silver, manufactures, of, n.o.p., and articles consisting wholly or in part of sterling, and other silverware .....	...		148,452			...		131,512	
Silver and other coin, except gold .....	...		...			...		...
TOTAL .....	...		646,180			...		660,523	
<u>EXPORTS</u> -									
Silver contained in ore, concentrates, etc.	961,236		427,972			1,385,983		617,793	
Silver bullion	7,378,401		3,323,668			14,798,295		6,449,218	
TOTAL	8,339,637		3,751,640			16,184,278		7,067,011	
Silver coin - Foreign .....	...		534,888			...		678,263	
Canadian .....	...		27,254			...		...

SILVER PRODUCTION OF THE WORLD - JANUARY 1 to JUNE 30, 1938.

Source - American Bureau of Metal Statistics.

Country	Thousands of fine ounces
United States	30,593
Canada	9,628
Mexico	(a)
Peru	8,406
Other America	9,215
Europe	9,830
Australia, refined	4,266
Other Australia and New Zealand	2,940
Japan (b)	4,985 (x)
Burma, refined	3,000
Other Asia	1,770
South Africa	571
Belgian Congo	1,410
Other Africa	465
TOTAL - ex. Mexico	87,079

(a) Not yet reported.

(b) Owing to governmental interdiction the accounting for Japan is now necessarily on the assumption that it is being maintained about at prior rate.

(x) Conjectural.

PRODUCTION IN CANADA, IMPORTS and EXPORTS OF ZINC, JANUARY 1 to JUNE 30, 1937 and 1938.

	1	9	3	7	1	9	3	8
	Pounds			\$	Pounds			\$
<u>PRODUCTION -</u>								
Nova Scotia	3,078,372			168,756	...			...
Quebec .....	...			...	...			...
Manitoba	17,584,559			963,986	25,030,307			778,192
Saskatchewan	14,220,981			779,594	12,957,584			402,851
British Columbia	135,651,801			7,436,432	159,963,332			4,973,260
TOTAL	170,535,713			9,348,768	197,951,223			6,154,303
<u>IMPORTS -</u>								
Zinc dust	1,175,400			51,451	259,900			16,363
Zinc in blocks, pigs, bars and rods and zinc plates, n.o.p...	8,900			1,259	2,400			322
Zinc strip and sheets and zinc plate for marine boilers	3,868,300			294,877	3,895,100			270,512
Zinc spelter .....	...			...	1,200			87
Zinc white	8,230,835			418,339	5,099,397			213,705
Zinc sulphate	427,592			8,345	248,749			4,393
Zinc, chloride of	991,588			35,214	656,287			24,868
Zinc, manufactures of, n.o.p. .	...			133,064	...			96,685
Lithopone	7,872,220			289,264	5,275,597			183,447
<u>EXPORTS -</u>								
In ore	21,251,500			995,311	29,208,400			820,447
Spelter	116,845,800			6,058,407	134,471,400			4,587,265
Scrap, dross and ashes	2,936,500			55,630	792,900			15,409
TOTAL	141,033,800			7,109,348	164,472,700			5,423,121

ZINC PRODUCTION OF THE WORLD - JANUARY 1 to JUNE 30, 1938.

Source - American Bureau of Metal Statistics.

Country	Short tons
United States	239,576
Other North America	106,547
Belgium and Netherlands (a)	122,300
France	35,279
Germany	102,069
Italy	20,528
Poland	58,843
Rhodesia	4,637
Spain	3,235
Anglo-Australian	73,107
Elsewhere (b)	98,100
WORLD'S TOTAL	864,221

(a) Partly estimated.

(b) Includes Norway, Yugoslavia, Peru and Indo-China with estimates for Czechoslovakia and Japan.

NOTE - The above table shows the zinc production of the world by primary metallurgical works. The figures include zinc derived from dross and ashes at primary works in the United States, Belgium, France and Germany.

FUELS

OUTPUT AND VALUE OF CANADIAN COAL, BY PROVINCES AND GRADES, JANUARY 1 to JUNE 30, 1937 and 1938. (short tons)

Province	1937 (a)		1938	
	Output	Total Value	Output	Total Value
		\$		\$
NOVA SCOTIA (Bituminous)	3,136,897	10,843,278	3,259,316	11,392,313
NEW BRUNSWICK (Bituminous)	224,611	734,698	154,295	496,452
MANITOBA (Lignite)	1,434	3,489	1,121	2,804
SASKATCHEWAN (Lignite)	436,647	597,421	416,888	560,325
ALBERTA -				
Bituminous	1,178,459	3,384,950	1,132,463	3,217,066
Sub-bituminous	216,336	553,782	259,065	653,043
Lignite	1,043,543	2,347,678	960,383	2,162,605
Total for Alberta	2,438,338	6,286,310	2,351,911	6,032,714
BRITISH COLUMBIA (Bituminous) ..	800,214	2,901,896	723,678	2,604,304
YUKON (Bituminous)	84	812	...	...
CANADA - Bituminous	5,340,265	17,865,534	5,269,752	17,710,135
Sub-bituminous	216,336	553,782	259,065	653,043
Lignite	1,481,624	2,948,588	1,378,392	2,725,734
TOTAL	7,038,225	21,367,904	6,907,209	21,088,912

(a) Revised.

COAL MADE AVAILABLE FOR CONSUMPTION IN CANADA, JANUARY 1 to JUNE 30, 1937 and 1938.
(short tons)

Month	1	9	3	7	:	1	9	3	8
Output	Imports	Exports	Coal made: available: for use :	Output	Imports	Exports	Coal made available for use		
Jan. .	1,499,326	574,877	46,735	2,027,468	1,466,557	533,897	44,193	1,956,261	
Feb. .	1,286,374	486,528	27,253	1,745,649	1,404,285	440,958	32,667	1,812,576	
March.	1,110,599	623,071	40,848	1,692,822	1,218,117	497,612	28,012	1,687,717	
April.	982,653	916,062	14,065	1,891,650	866,898	545,287	12,538	1,399,647	
May ..	1,078,603	1,702,528	19,215	2,761,916	1,020,997	1,351,193	22,092	2,350,098	
June .	1,073,670	1,944,920	33,993	2,984,597	930,355	1,617,744	26,086	2,522,013	
TOTAL.	7,038,225	6,247,986	182,109	13,104,102	6,907,209	4,986,691	165,588	11,728,312	

IMPORTS OF ANTHRACITE, BITUMINOUS and LIGNITE COAL INTO CANADA, JANUARY 1 to JUNE 30, 1938. (short tons)

Month	ANTHRACITE			:	BITUMINOUS				:	LIGNITE	
	United States	Great Britain	TOTAL	:	United States	Great Britain	Other Countries	TOTAL	:	United States	TOTAL
Jan. .	179,952	7,527	193,200		334,187	5,668	417	340,272		425	533,897
Feb. .	161,173	11,438	172,611		261,221	6,920	...	268,141		206	440,958
March.	164,100	21,171	189,420		301,082	6,855	...	307,937		255	497,612
April.	110,502	35,316	145,818		394,060	5,327	...	399,387		82	545,287
May ..	185,191	166,802	420,934		923,008	7,239	...	930,247		12	1,351,193
June .	267,821	144,464	460,939		1,145,741	2,889	8,114	1,156,744		61	1,617,744
TOTAL.	1,068,739	386,718	1,582,922		3,359,299	34,898	8,531	3,402,728		1,041	4,986,691

(a) Includes 120,115 tons from Germany and 7,350 tons from Morocco.

COKE STATISTICS FOR CANADA, JANUARY 1 to JUNE 30, 1938. (Exclusive of Petroleum Coke)
(short tons)

Bituminous coal used in				COKE MADE	Disposition of coke by makers				TOTAL
Month	coke making				U S E D		S O L D		
	Canadian	Im-ported	TOTAL		In coke or gas plants	In makers' smelters	For do- mestic use	For other uses	
Jan. .	99,914	213,965	313,879	223,908	20,631	70,705	120,295	39,267	250,898
Feb. .	92,617	186,100	278,717	199,340	19,145	63,556	103,170	34,643	220,514
March.	105,512	107,202	302,714	218,233	21,113	71,852	86,964	34,175	214,104
April.	100,498	191,457	291,955	207,755	18,869	72,125	44,458	30,386	165,838
May ..	97,246	191,981	289,227	207,712	20,255	72,260	26,072	28,729	147,316
June .	88,402	176,701	265,103	191,912	17,247	65,364	34,388	26,829	143,828
TOTAL.	584,189	1,157,406	1,741,595	1,248,860	117,260	415,862	415,347	194,029	1,142,498

PRODUCTION IN CANADA, IMPORTS AND EXPORTS OF COKE, BY PROVINCES, JANUARY 1 to JUNE 30, 1937 and 1938. (Exclusive of Petroleum Coke) (short tons)

		Nova Scotia New Brunswick and Quebec	Ontario	Manitoba, Saskatchewan, Alberta and Br. Columbia	C A N A D A
PRODUCTION	1937	419,675	751,939	107,455	1,279,069
	1938	419,375	715,419	115,066	1,248,860
IMPORTS	1937	14,826	130,637	8,320	153,783
	1938	7,928	167,404	6,203	181,535
EXPORTS	1937	510	15	15,996	16,521
	1938	98	...	16,117	16,215
AVAILABLE FOR CONSUMPTION	1937	433,991	882,561	99,779	1,416,331
	1938	426,205	882,823	105,152	1,414,180

PRODUCTION OF NATURAL GAS IN CANADA, JANUARY 1 to JUNE 30, 1937 and 1938.

	1 9 3 7				1 9 3 8			
	M cu.ft.		\$		M cu.ft.		\$	
New Brunswick	347,807		171,434		359,746		177,120	
Ontario	5,701,267		3,420,760		6,000,000		3,660,000	
Manitoba	300		90		300		90	
Saskatchewan	52,274		19,550		49,535		17,336	
Alberta	9,434,639		2,371,308		11,575,951		2,615,000	
CANADA	15,536,287		5,983,142		17,985,532		6,469,546	

PRODUCTION OF CRUDE PETROLEUM IN CANADA, JANUARY 1 to JUNE 30, 1937 and 1938.

	1 9 3 7				1 9 3 8			
	Barrels		\$		Barrels		\$	
New Brunswick	(a) 6,927		9,739		8,857		12,488	
Ontario	84,556		178,637		81,198		170,675	
Alberta	970,563		2,196,384		2,829,370		5,102,169	
CANADA	1,062,046		2,384,760		2,919,425		5,285,332	

(a) Crude petroleum delivered to refinery plus quantity sold at wells during the period.

NON-METALS

SALES OF ASBESTOS IN CANADA, IMPORTS and EXPORTS, JANUARY 1 to JUNE 30, 1937 and 1938.

	1 9 3 7				1 9 3 8			
	Quan- tity		Sales Value at Mill \$		Quan- tity		Sales Value at Mill \$	
<u>PRODUCTION - By grades</u>								
Crudes	1,974		464,258		1,266		389,470	
Fibres	90,517		4,483,226		81,039		4,478,540	
Shorts	105,309		1,730,599		49,986		889,443	
TOTAL	197,800		6,678,083		132,291		5,757,453	
Sand, gravel and stone (waste rock only)	1,709		1,582		1,080		782	
Rock mined	2,994,545		...		2,885,146		...	
Rock milled	2,410,531		...		2,399,275		...	

IMPORTS -

Asbestos brake linings for automobiles	...	...	...	62,784 (✓)
Asbestos clutch facings for automobiles	...	...	...	12,318 (✓)
Asbestos brake and clutch lining .....	...	191,239	...	93,470 (x)
Asbestos brake and clutch facings, n.o.p.	...	...	...	6,796 (✓)
Asbestos in any form other than crude and all manufactures of, n.o.p. ....	...	296,160	...	127,881 (x)
Asbestos packing	32	28,758	27	26,386

EXPORTS -

Asbestos	82,305	4,431,103	77,151	4,666,573
Asbestos, sand and waste	99,613	1,691,207	49,425	880,824
Asbestos manufactures, including asbestos roofing .....	...	167,356	...	72,065

(x) January - March.

(✓) April - June.

PRODUCTION IN CANADA, IMPORTS and EXPORTS OF GYPSUM, JANUARY 1 to JUNE 30, 1937 and 1938.

	1 9 3 7		1 9 3 8	
	Tons	\$	Tons	\$
<u>PRODUCTION -</u>				
Crude - Lump or mine run	32,409	39,326	1,402	2,350
Crushed	302,260	319,515	286,273	309,536
Fine ground	370	2,539	145	857
Calcined	42,159	286,870	42,787	252,742
TOTAL	377,198	648,250	330,607	565,485
Crude gypsum mined	385,727	...	342,996	...

<u>IMPORTS -</u>				
Gypsum, crude (sulphate of lime)	54	575	6	170
Ground gypsum, not calcined	153	5,382	219	7,148
Plaster of Paris, or gypsum calcined and prepared wall plaster	685	14,362	456	11,337
TOTAL .....	...	20,319	...	18,655

<u>EXPORTS -</u>				
Gypsum or plaster, crude	225,012	254,417	267,946	307,130
Plaster of Paris, ground, and prepared wall plaster	639	15,362	881	20,561
TOTAL .....	...	269,779	...	327,691

PRODUCTION OF SALT IN CANADA, BY GRADES, JANUARY 1 to JUNE 30, 1937 and 1938.

	1 9 3 7			1 9 3 8		
	Manu- factured Tons	Sold Tons	Value of salt sold (not in- cluding containers) \$	Manu- factured Tons	Sold Tons	Value of salt sold (not in- cluding containers) \$
Table, dairy and pressed blocks	32,515	31,820	362,264	34,938	37,261	321,916
Common, fine	49,170	44,154	191,251	45,382	45,866	214,066
Common, coarse	11,450	11,367	103,982	14,658	13,196	114,292
Highway salt	(a)	(a)	(a)	574	574	1,699
Land salt	715	763	4,308	750	752	2,648
Other grades	21,092	20,076	80,426	22,881	21,315	86,212
Brine for chemical works (salt equivalent sold or used)	100,634	100,634	100,634	94,851	94,851	94,851
TOTAL	215,576	208,814	842,865	214,034	213,815	835,684
Value of containers .....	...	...	199,770	...	...	223,380
GRAND TOTAL .....	...	...	1,042,635	...	...	1,059,064

(a) Not recorded separately.

IMPORTS INTO CANADA AND EXPORTS OF SALT, JANUARY 1 to JUNE 30, 1937 and 1938.

	1	9	3	7	1	9	3	8
	Tons				Tons			
	\$				\$			
<u>IMPORTS -</u>								
Salt for use of the sea or gulf fisheries	17,822		38,071		19,910		57,896	
Salt in bulk, n.o.p.	25,032		82,333		22,722		86,864	
Salt, n.o.p., in bags, barrels, etc.	6,124		45,186		5,495		42,698	
Salt, table, made by an admixture of other ingredients, when containing not less than 90 per cent pure salt	38		724		28		809	
<u>EXPORTS</u>								
	3,287		25,015		5,409		29,593	

IMPORTS INTO CANADA and EXPORTS OF CERTAIN (SPECIFIED) NON-METALLIC MINERALS, JANUARY 1 to JUNE 30, 1937 and 1938.

1937 and 1938.									
		1	9	3	7	1	9	3	8
		Quantity		Value		Quantity		Value	
				\$				\$	
<u>IMPORTS -</u>									
Barytes	Cwt.	25,454		19,666		11,825		9,232	
Feldspar, crude	Cwt.	45		52		...		...
Feldspar, not further manufactured than ground	Cwt.	12,484		10,928		8,141		6,545	
Fluorspar	Cwt.	60,675		32,445		109,913		82,129	
Graphite -									
Crucibles, plumbago .....	\$	...		26,783		...		39,726	
Plumbago, not ground or otherwise manufactured .....	\$	...		2,860		...		10,708	
Plumbago, ground and manufactures of, n.o.p. ....	\$	...		59,397		...		38,334	
Magnesite, dead-burned, sintered, caustic, calcined or plastic magnesia	Cwt.	13,439		37,768		7,503		19,368	
Brick, fire, magnesite .....	\$	...		344,993		...		300,134	
Magnesium sulphate	Lb.	1,687,197		16,643		1,527,035		14,312	
Mica and manufactures of, n.o.p. ....	\$	...		42,387		...		51,686	
Phosphate rock	Ton	18,998		80,982		55,010		214,910	
Brimstone or sulphur, crude or in roll or flour	Ton	58,498		992,839		29,511		494,863	
Talc or soapstone	Ton	1,753		25,503		1,302		19,001	
<u>EXPORTS -</u>									
Graphite or plumbago, crude or refined	Ton	1,534		62,623		622		28,890	
Mica -									
Rough clobbered and thumb-trimmed	Ton	58		41,620		27		29,272	
Mica splittings	Ton	34		28,758		19		16,975	
Mica scrap and waste	Ton	618		6,685		253		3,123	
Mica plate and manufactures of (micanite)	\$...		916		...		658	
Talc	Ton	4,232		41,892		2,879		29,884	

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