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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, 1936

(With Revised Statistics for Calender Year 1935)

Published by Authority of the HON. W.D. EULER, M.P.,
Minister of Trade and Commerce.

OTTAWA
1936

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OTTAWA - CANADA

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PRELIMINARY REPORT ON THE MINERAL PRODUCTION OF CANADA DURING THE SIX MONTHS
ENDING JUNE 30, 1936.

A decided improvement in the mineral production of Canada is evidenced in the report issued by the Mining, Metallurgical and Chemical Branch of the Dominion Bureau of Statistics at Ottawa. The total value of the mineral output for the period under review is recorded at \$165,482,425. This amount surpasses that of any preceding corresponding period in the history of mining in Canada and was greater than that of the first six months of 1935 by 19 per cent.

Gains over the corresponding period of 1935 were general for all groups; the value of the metals production increased 21 per cent; fuels including coal, crude petroleum and natural gas, 10 per cent; non-metallic minerals other than fuels, 34 per cent, and structural materials, 18 per cent. Thus, one of Canada's primary industries reflects and in no small measure is responsible for the general improvement which is manifested in many ways during the present year.

METALS

The increase in the value of metal production is almost entirely responsible for the new high record in total value of Canadian mineral output. There have been other six months periods when the value of the production of each of the remaining groups exceeded that under review but never before has the total for the metals reached the present levels. More gold, lead, zinc, nickel, platinum metals, selenium, tellurium, bismuth and cadmium were produced than in any prior corresponding period and the average prices for lead, zinc and copper were higher than for the first six months of 1935. Copper output was less but the increase in price resulted in a greater total value than that recorded in the last half-yearly report.

GOLD - Gold production totalled 1,769,206 fine ounces worth \$62,099,130 as compared with 1,509,521 fine ounces worth \$52,984,187 during the first six months of 1935; the average price, \$35.10 per fine ounce in Canadian funds, was the same for both these corresponding periods. Increases in output were general. The value of the output from the mines of Nova Scotia rose from \$110,249 to \$176,869; Quebec from \$7.1 millions to \$11.1 millions; Ontario mines increased from \$57 millions to \$40 millions; Manitoba and Saskatchewan combined from \$2.7 millions to \$3 millions; British Columbia from \$5.8 millions to \$7 millions, and the Yukon Territory from \$191,611 to \$406,423. It follows also that great activity was experienced in all gold producing areas. Prospecting and development expanded and practically every month witnessed production from one or more properties for the first time. Never before in the history of the country has gold mining reached its present status.

COPPER - Copper output totalled 205,967,475 pounds, a decrease from that of the corresponding period of 1935, but owing to better prices the total value of production increased 20 per cent to \$18,230,073. A large proportion of this decrease was caused by the cessation of operations at Anyox, British Columbia, by the Granby Consolidated Mining, Smelting and Power Co. Ltd. in August, 1935. This company was a large producer of copper in British Columbia for many years.

NICKEL - Nickel production at 83,053,755 pounds valued at \$21,479,445 increased 30 per cent in quantity and 34 per cent in value. Output includes the refined nickel made in Canada, the nickel in nickel oxides and salts produced in Canada, and nickel in matte exported for treatment in foreign refineries. In addition to that produced from Ontario ores, the press reported a test (export) shipment, in August, of 500 tons of picked ore averaging 4 to 5 per cent nickel and about 2 per cent copper from the B. C. Nickel Mines Ltd., to Japan.

LEAD - Lead production totalled 180,866,815 pounds valued at \$6,366,512, an increase of 13 per cent in quantity and 53 per cent in value. Output from Quebec was less but the province of British Columbia, whose mines now account for 99 per cent of the total Dominion output, showed an increase of 12 per cent. The Yukon Territory recorded an output of over one million pounds.

SILVER - Silver production increased to 8,737,157 fine ounces as against 7,859,490 fine ounces during the first six months of 1935 but owing to the lower average price the total value receded to \$3,956,272, a drop of 20 per cent. The nickel-copper ores of Ontario were responsible for more than half of the provincial output; the remainder of this province's production coming from the auriferous quartz and silver-cobalt ores. British Columbia mines, principally the Sullivan, accounted for 53 per cent of the Dominion total; other sources were the gold ores of Nova Scotia, the gold and copper ores of Quebec, the copper-gold-zinc ores and gold ores of Manitoba and Saskatchewan, the crude placer gold and the silver-lead ores of the Yukon and the silver-radium ores of the North West Territories.

ZINC - Zinc production totalled 157,869,552 pounds worth \$5,225,482, an increase of 2 per cent in quantity and 23 per cent in value over the first six months of 1935. The average price of zinc in Canadian funds for the period, based on London quotations, was 3.3093 cents per pound as compared with 2.8006 cents during the corresponding period of the preceding year. Canadian production includes zinc in ores exported from Quebec and British Columbia, and refined zinc made at Trail, British Columbia, and Flin Flon, Manitoba.

PLATINUM METALS - Canada produced over \$3 millions in platinum metals during the first six months of 1936, an increase of 36 per cent over the corresponding period of 1935. Metals of the platinum group are recovered in the metallurgical treatment of the nickel-copper ores of the Sudbury district. Canada is now the world's largest producer of these metals.

OTHER METALS - Selenium and tellurium have become increasingly important during the past few years. They are recovered in Canada in the refining of copper. Production of each during the first six months of 1936 marked an improvement. Cobalt, cadmium and bismuth were also higher. Considerable interest centres around a chromite property at Obonga Lake in northwestern Ontario. Ore from this property was shipped to Sault Ste. Marie during the first six months of 1936. Radium and uranium compounds were produced at Port Hope, Ontario, from pitchblende mined at Great Bear Lake, North West Territories. Figures of production are not available for publication.

NON-METALS (FUELS)

The Canadian coal production during the first six months of 1936 totalled 6,879,419 tons or an advance of 8.7 per cent over the tonnage produced in the corresponding period of 1935. All coal producing provinces except New Brunswick reported increased production in 1936.

A decline of 2.2 per cent was recorded in the imports of coal into Canada during the first half of 1936 as compared with the period January to June, 1935; the totals were 5,029,280 tons and 5,143,675 tons, respectively. Anthracite coal imports increased 8.3 per cent to 1,530,571 tons; the United States supplied 58.0 per cent of these imports, Great Britain, 37.1 per cent, Germany, 3.2 per cent, French Indo-China, 1.2 per cent, and Belgium, 0.5 per cent. Bituminous coal importations declined 6.2 per cent during the first six months of 1936 to 3,496,063 tons. Lignite coal receipts amounted to 2,646 tons during the period under review.

Exports of Canadian coal reached a total of 179,413 tons as compared with 157,748 tons in the six months ending June, 1935.

Canada produced 15,808,755 thousand cubic feet of natural gas during the first six months of 1936; this production included 9,650,000 thousand cubic feet from Alberta wells, 5,609,806 thousand cubic feet from Ontario, 367,329 thousand cubic feet from New Brunswick, 181,320 thousand cubic feet from Saskatchewan, and 300 thousand cubic feet from Manitoba.

Crude petroleum output in Canada amounted to 674,992 barrels; this represented a decline of 4.3 per cent from the production in the corresponding period of 1935. Alberta's production was 5.3 per cent lower at 585,500 barrels. Ontario wells produced 81,514 barrels as against 80,728 barrels, a year ago. Refinery receipts in New Brunswick plus oil sold at the wells totalled 8,091 barrels during the first half of 1936. The Fort Norman wells in the North West Territories produced 87 barrels during the period.

NON-METALS (OTHER THAN FUELS)

Canada is endowed with a great variety of non-metallic minerals of economic importance. The total value of the production of these non-metallic minerals was recorded at \$6,806,114, an increase of 34 per cent over the value of the output during the first six months of 1935. Asbestos, mined in the Eastern Townships of Quebec, is the most important from point of value in the group, the output totalling \$4,016,912. Gypsum production rose from 174,970 tons valued at \$343,120 to 265,309 tons worth \$462,857. Gypsum mines are operating in Nova Scotia, New Brunswick, Ontario, Manitoba and British Columbia. The output from Nova Scotia mines is much larger than that of any other province. Large quantities of crushed gypsum are exported from this province. Salt production was higher. Salt was produced in Nova Scotia, Ontario and Manitoba, the wells of Ontario contributing 90 per cent of the total. Sodium sulphate output from Saskatchewan is growing also, the output reaching 30,610 tons worth \$235,158, an increase of 19 per cent in quantity and 37 per cent in value. Sulphur consisting of sulphur in pyrites shipped from the mines and sulphur in sulphuric acid made from waste smelter gases increased 70 per cent in quantity and 53 per cent in value over the first six months of 1935. Gains in both output and value were recorded for feldspar, graphite, magnesium sulphate, magnesitic-dolomite, phosphate, quartz and talc. A new item, nepheline syenite, used as a raw material in the manufacture of glass has entered the lists for the first time.

STRUCTURAL MATERIALS

In half-yearly reports preceding that for the six months ending June, 1933, no data on production of the structural materials were given, since it was felt that the figures might be misleading, as the greater part of construction operations in Canada are carried on during the summer months and figures at the end of June would not truly represent half of the yearly total. Statistics of production are collected each month for cement, clay products and lime, and in order that complete half-yearly production data may be published, figures for stone and sand and gravel have been estimated. Sales of clay products totalled \$1,260,291 compared with a value of \$1,044,181 in the first six months of 1935. Cement output amounted to 1,629,941 barrels valued at \$2,493,800 as against 1,317,744 barrels worth \$1,974,215 for the corresponding period of the preceding year, an increase of 24 per cent in quantity and 26 per cent in value. Lime output rose to 204,097 tons worth \$1,472,305 as against 192,321 tons valued at \$1,409,859. The total value of structural materials is estimated at \$8,726,396 for the first half of 1936 as compared with an output of \$7,378,255 in the same period of 1935.

EMPLOYMENT

According to monthly records collected by the Bureau, employment in the mining industries showed a distinct improvement. Substantial increases were indicated in metallic ore, coal and other non-metallic mineral mining; an aggregate working force of 63,601 persons was employed by the 383 reporting operators, who had 61,717 employees at July 1. The general gain exceeded that noted at Aug. 1 in any other year since 1920 except 1933, while the index at 137.9 at the latest date was at its maximum for this record, chiefly as a result of the great activity prevailing in the mining of the precious metals.

FINAL 1935 FIGURES

Finally revised statistical data relating to Canadian mineral production, as contained in this report, show that the mineral production of Canada during the last calendar year totalled \$312,344,457 as compared with \$278,161,590 in 1934, or an increase of 12 per cent. According to this revised figure the total value of Canada's mineral production in 1935 is shown to be the greatest on record. The previous record year was 1929 when the value of mineral production was \$310,850,246.

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AVERAGE MONTHLY PRICE OF GOLD, SILVER, COPPER, LEAD AND ZINC, IN CANADIAN FUNDS,
JANUARY 1 to JUNE 30, 1935 and 1936.

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.	
	1935	1936	1935	1936	1935	1936
January	34.95	35.06	54.3418	47.2717	6.8202	8.5986
February	35.05	35.18	54.6729	44.6874	6.5933	8.7981
March	35.40	35.11	59.6208	44.8082	6.8078	8.9403
April	35.18	35.15	68.1202	45.1030	7.5457	9.1210
May	34.95	35.00	74.4675	44.9498	8.0285	9.079
June	35.05	35.09	72.0407	44.8663	7.5108	9.0673
AVERAGE	35.10	35.10	63.8773	45.281	7.2177	8.934

	L E A D		Z I N C	
	Cents per lb.		Cents per lb.	
	1935	1936	1935	1936
January	2.2517	3.4133	2.6167	3.2117
February	2.2271	3.5720	2.5766	3.3721
March	2.372	3.6910	2.6051	3.5521
April	2.6549	3.5696	2.7982	3.3664
May	3.0295	3.4525	3.1766	3.2315
June	3.0397	3.4084	3.0304	3.1221
AVERAGE ...	2.5958	3.5178	2.8006	3.5093

MINERAL PRODUCTION OF CANADA FOR THE PERIOD JANUARY 1 to JUNE 30, 1935 and 1936.

	1 9 3 5		1 9 3 6	
	January 1 to June 30		January 1 to June 30	
	Quantity	Value	Quantity	Value
	\$		\$	

METALLICS

Arsenic (As ₂ O ₃)	lb.	1,729,143	49,978	642,309	20,095
Bismuth	lb.	4,244	3,109	146,170	146,170
Cadmium	lb.	238,187	121,475	336,936	350,413
Chromite .....	\$	...	2,884	...	8,138
Cobalt	lb.	253,998	168,856	438,773	356,118
Copper	lb.	214,757,093	15,253,360	205,967,475	18,230,073
Gold	fine oz.	1,509,521	31,204,568	1,769,206	36,572,732
Estimated exchange equalization					
on gold produced .....	\$	...	21,779,619	...	25,526,398
Lead	lb.	160,288,192	4,160,773	180,866,815	6,366,512
Nickel	lb.	63,963,301	16,071,185	83,053,755	21,479,445
Palladium, Rhodium, Iridium,					
etc.	fine oz.	39,785	909,812	52,685	1,237,338
Platinum	fine oz.	47,575	1,472,139	62,791	2,009,312
Radium and Uranium products	xx		Data not available for publication		
Selenium	lb.	160,483	308,127	175,017	316,781
Silver	fine oz.	7,859,490	5,020,430	8,737,157	3,956,272
Tellurium	lb.	7,038	34,345	25,892	46,606
Titanium ore	ton	2,419	16,935	...	...
Zinc	lb.	154,678,039	4,245,286	157,869,552	5,225,482
TOTAL .....	\$	...	100,822,879	...	121,847,885

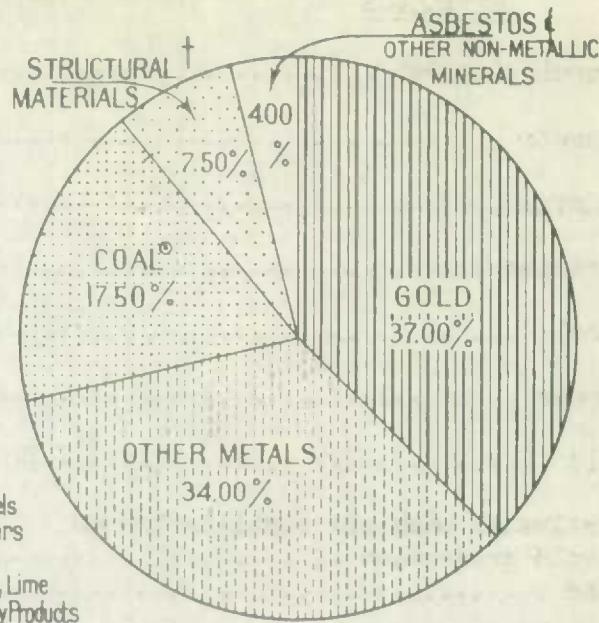
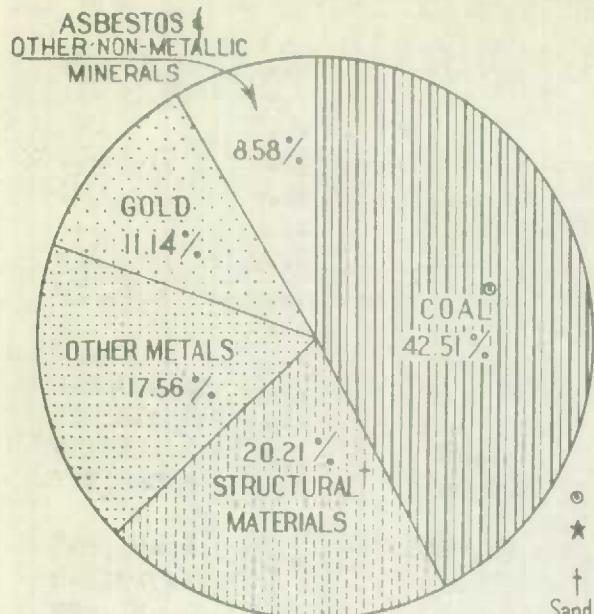
MINERAL PRODUCTION OF CANADA FOR THE PERIOD JANUARY 1 to JUNE 30, 1935 and 1936.
(concluded)

		1 9 3 5	1 9 3 6
		January 1 to June 30	January 1 to June 30
		Quantity	Value
		\$	\$
NON-METALLICS			
Fuels			
Coal	ton	6,308,405	19,192,150
Natural gas	M cu.ft.	12,689,935	4,695,774
Peat	ton	82	420
Petroleum, crude	bbl.	705,248	1,674,891
TOTAL		\$...	25,563,235
Other Non-Metallics			
Asbestos	ton	81,907	2,777,057
Bituminous sands	ton	...	...
Diatomite	ton	293	5,682
Feldspar	ton	5,269	48,125
Fluorspar	ton	24	312
Graphite .....	\$	...	39,087
Gypsum	ton	174,970	343,120
Iron oxides (ochre)	ton	2,072	31,443
Magnesium sulphate	ton	129	3,212
Magnesitic-dolomite .....	\$	...	216,216
Mica	lb.	1,096,675	45,729
Mineral waters	Imp.gal.	46,564	10,229
Nepheline syenite .....	\$	...	...
Phosphate	ton	2	20
Quartz	ton	117,762	207,921
Salt	ton	163,464	807,159
Silica brick	M	...	437
Soapstone .....	\$	...	14,821
Sodium carbonate	ton	120	1,204
Sodium sulphate	ton	25,688	171,536
Sulphur (x)	ton	28,555	289,746
Talc	ton	5,805	59,632
TOTAL		\$...	5,072,051
STRUCTURAL MATERIALS			
Clay products .....	\$	...	1,044,181
Cement	bbl.	1,317,744	1,974,215
Lime	ton	192,321	1,409,859
Stone and sand and gravel(a) .....	\$	...	2,950,000
TOTAL (a)		\$...	7,378,255
GRAND TOTAL		\$...	138,856,420
		...	165,482,425

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

(a) Estimated.

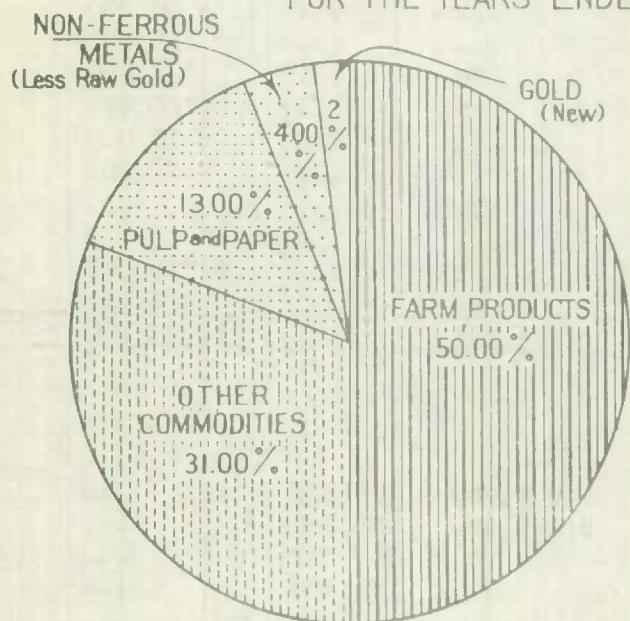
PERCENTAGE VALUE OF GOLD PRODUCED IN CANADA DURING 1921-1935 ★ IN RELATION TO THE VALUE OF TOTAL MINERAL OUTPUT



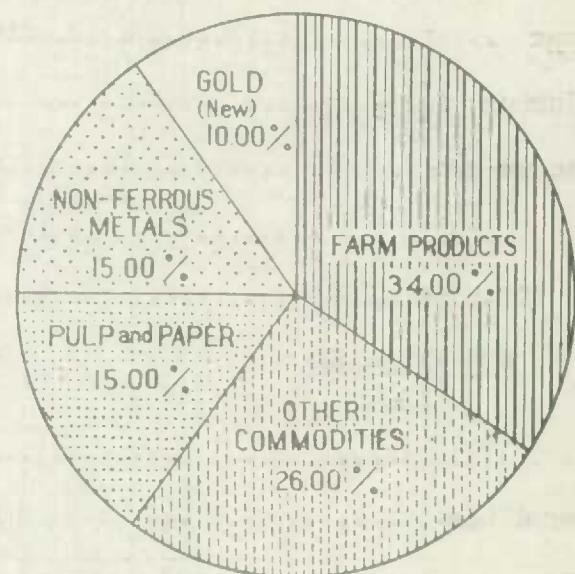
TOTAL VALUE OF MINERAL PRODUCTION
1921 - \$ 171,923,342

TOTAL VALUE OF MINERAL PRODUCTION
1935 - \$ 312,344,457

PERCENTAGE VALUE OF CANADA'S DOMESTIC EXPORTS BY CERTAIN MAIN GROUPS FOR THE YEARS ENDED MARCH 31, 1921 & MARCH 31, 1936



TOTAL VALUE OF EXPORTS
1921 - \$ 1,213,454,547



TOTAL VALUE OF EXPORTS
1936 - \$ 849,030,417 *

MINERAL PRODUCTION OF CANADA (EXCLUSIVE OF CLAY PRODUCTS AND OTHER

	Nova Scotia	New Brunswick	Quebec
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METALLICS

Arsenic (As ₂ O ₃)	lb.
	\$
Bismuth	lb.
	\$
Cadmium	lb.
	\$
Chromite	ton	329
	\$	5,138
Cobalt	lb.
	\$
Copper	lb.	...	...	53,600,651
	\$	...	...	3,000,538
Gold	fine pz.	5,039	...	317,455
	\$	104,165	...	6,562,377
Estimated exchange equalization on gold production	\$	72,704	...	4,580,293
Lead	lb.	...	...	1,070,133
	\$	...	...	37,669
Nickel	lb.	...	...	...
	\$
Palladium, Rhodium, Iridium, etc. ..	fine oz.	...	...	...
	\$
Platinum	fine oz.	...	...	...
	\$
Radium and Uranium Products .....	\$	...	...	...
Selenium	lb.	...	...	87,500
	\$	...	...	158,375
Silver	fine oz.	174	...	366,479
	\$	79	...	165,945
Tellurium	lb.	...	...	17,000
	\$	...	...	30,600
Titanium ore	ton	...	...	...
	\$
Zinc	lb.	...	...	3,720,983
	\$	...	...	123,165
TOTAL METALLICS	\$	176,948	...	14,664,100

NON-METALLICS

Fuels

Coal	ton	2,904,066	178,537	...
	\$	9,853,497	585,545	...
Natural Gas	M cu.ft.	...	367,329	...
	\$	...	181,400	...
Peat	ton	...	...	...
	\$
Petroleum, crude	brl.	...	8,091	...
	\$	...	11,327	...
Total Fuels	\$	9,853,497	778,272	...

STRUCTURAL MATERIALS), BY PROVINCES, JANUARY 1 to JUNE 30, 1936.

Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Yukon	North West Territories
642,309	...	...	...	...	...	...
20,095	...	...	...	...	...	...
...	...	...	...	146,170	...	...
...	...	...	...	146,170	...	...
...	39,069	43,182	...	254,685	...	...
...	40,632	44,909	...	264,872	...	...
...
5,000	...	...	...	...	...	...
438,773	...	...	...	...	...	...
356,118	...	...	...	...	...	...
142,602,555	10,942,051	10,167,960	...	8,654,478	...	...
12,571,568	977,123	907,999	...	772,845	...	...
1,147,259	56,991	31,041	15	199,827	11,579	...
23,715,948	1,178,108	641,674	310	4,130,791	239,359	...
16,552,843	822,276	447,865	216	2,883,137	167,064	...
7,170	...	...	...	178,722,270	1,064,304	2,938
252	...	...	...	6,291,024	37,464	103
83,053,755	...	...	...	...	...	...
21,479,445	...	...	...	...	...	...
52,685	...	...	...	...	...	...
1,237,338	...	...	...	...	...	...
62,771	...	...	...	20	...	...
2,008,672	...	...	...	640	...	...
(Data not available for publication)				...	...	...
53,500	17,632	16,385	...	...	...	...
96,835	31,914	29,657	...	...	...	...
2,559,617	304,892	418,562	...	4,644,800	272,065	170,568
1,159,020	138,058	189,529	...	2,103,212	123,194	77,235
4,605	2,222	2,065	...	...	...	...
8,289	4,000	3,717	...	...	...	...
...
...
...	15,238,893	16,799,847	...	122,109,829	...	...
...	504,407	556,075	...	4,041,835	...	...
79,209,423	3,696,518	2,821,425	526	20,634,526	567,081	77,338

...	2,800	464,452	2,566,899	762,155	510	...
...	6,720	652,186	6,550,035	2,814,413	2,286	...
5,609,806	300	181,320	9,650,000	...	...	...
3,365,900	90	18,000	2,470,000	...	...	...
...
...
81,514	...	...	585,300	...	...	87
172,196	...	...	1,438,000	...	...	435
3,538,096	6,810	670,186	10,438,035	2,814,413	2,286	435

MINERAL PRODUCTION OF CANADA (EXCLUSIVE OF CLAY PRODUCTS AND OTHER

	Nova Scotia	New Brunswick	Quebec
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Other Non-Metallics

Asbestos	ton	120,437
	\$	4,016,912
Diatomite	ton	175
	\$	3,500
Feldspar	ton	4,085
	\$	...	...	35,929
Fluorspar	ton	...	...	...
	\$
Graphite	ton	...	...	...
	\$
Gypsum	ton	226,192	12,525	...
	\$	264,521	47,409	...
Iron Oxides (Ochre)	ton	...	...	1,548
	\$	...	...	21,395
Magnesitic-dolomite	ton	...	...	295,177
Magnesium sulphate	ton	...	...	...
	\$
Mica	lb.	...	...	393,953
	\$	...	...	29,057
Mineral waters	imp. gal.	...	...	32,562
	\$	...	...	6,258
Nepheline syenite .....	\$	...	...	...
Phosphate	ton	...	...	382
	\$	...	...	3,507
Quartz	ton	1,410	...	34,697
	\$	2,256	...	153,779
Salt	ton	16,425	...	...
	\$	74,282	...	...
Silica brick	M	146	...	...
	\$	5,042	...	...
Soapstone .....	\$	...	...	11,713
Sodium sulphate	ton	...	...	...
	\$
Sulphur (x)	ton	...	...	9,146
	\$	...	...	69,781
Talc	ton	...	...	...
	\$
Total Other Non-Metallics	\$	349,601	47,409	4,643,508

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

NOTE - Figures for structural materials are not available by provinces.

STRUCTURAL MATERIALS), BY PROVINCES, JANUARY 1 to JUNE 30, 1956. (concluded)

Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Yukon	North West Territories
3,074	708	...	...	...	...	...
28,561	2,478	...	...	...	...	...
6	...	...	...	...	...	...
90	...	...	...	...	...	...
41,738	...	...	...	...	...	...
16,765	5,186	...	...	4,641	...	...
79,175	39,429	...	...	52,323	...	...
783,628	...	...	...	...	...	...
5,879	...	...	...	...	...	...
8,950	...	...	...	...	...	...
624	...	...	...	...	...	...
9,069	...	...	...	...	...	...
32,563	22	37,166	...	...	...	...
48,432	22	25,759	...	...	...	...
159,717	759	...	...	...	...	...
742,562	9,851	...	...	...	...	...
291	...	...	...	...	...	...
15,526	...	...	...	...	...	...
...
...	...	30,610	...	...	...	...
...	...	235,158	...	...	...	...
6,589	...	...	...	32,917	...	...
65,890	...	...	...	306,960	...	...
6,932	...	...	...	...	...	...
69,753	...	...	...	...	...	...
1,107,099	51,780	258,917	...	347,800	...	...

FINALLY REVISED STATISTICS ON THE MINERAL PRODUCTION OF

		Nova Scotia	New Brunswick	Quebec	Ontario
<u>METALLICS</u>					
Arsenic (As O)	lb.	...	...	...	2,558,789
	\$	...	...	...	75,326
Bismuth	lb.	...	...	...	7,079
	\$	...	...	...	6,796
Cadmium	lb.	...	...	...	...
	\$
Chromite	ton	...	...	346	...
	\$	...	...	5,371	9,576
Cobalt	lb.	...	...	...	681,419
	\$	...	...	...	512,705
Copper	lb.	...	...	79,050,906	252,027,928
	\$	...	...	6,162,350	19,295,965
Gold	fine oz. (standard)	9,376 195,819	...	470,552 9,727,173	2,220,336 45,898,417
Estimated exchange equalization on gold produced	\$	136,123	...	6,831,552	32,235,207
Lead	lb.	...	...	2,047,624	22,532
	\$	...	...	64,156	706
Manganese ore	ton	...	100	...	...
	\$	...	800	...	...
Nickel	lb.	...	...	...	138,516,240
	\$	...	...	...	55,345,103
Palladium, Rhodium, Iridium, etc.	fine oz.	...	...	...	84,772
	\$	...	...	...	1,962,937
Platinum	fine oz.	...	...	...	105,335
	\$	...	...	...	5,444,455
Radium and uranium (products) .....	\$	...	...	Data	not
Selenium	lb.	...	...	206,421	75,363
	\$	...	...	396,328	144,697
Silver	fine oz.	372	...	668,836	5,161,651
	\$	241	...	433,338	5,344,229
Tellurium	lb.	...	...	1,708	14,275
	\$	...	...	3,416	28,550
Titanium ore	ton	...	...	2,288	...
	\$	...	...	16,400	...
Zinc	lb.	...	...	5,322,844	...
	\$	...	...	164,955	...
TOTAL	\$	350,183	800	23,805,039	142,304,669

NON-METALLICS

Fuels

Coal	ton	5,822,075	346,024	...	...
	\$	20,591,227	1,129,019	...	...
Natural gas	M cu. ft.	...	615,454	...	8,158,825
	\$	...	303,886	...	4,938,084
Peat	ton	...	...	...	1,340
	\$	...	...	...	5,761
Petroleum, crude	brl.	...	12,954	...	165,041
	\$	...	18,250	...	546,156
TOTAL	\$	20,591,227	1,451,135	...	5,290,001

CANADA, BY PROVINCES, 1935.

Manitoba	Saskat- chewan	Alberta	British Columbia	North West Territories	Yukon	CANADA
...	...	...	...	...	...	2,558,789
...	...	...	...	...	...	75,326
...	...	...	6,718	...	...	13,797
...	...	...	6,449	...	...	13,245
...	...	...	580,530	...	...	580,530
...	...	...	441,203	...	...	441,203
...
...	...	...	...	...	...	14,947
...	...	...	...	...	...	681,419
...	...	...	...	...	...	512,705
38,011,371	11,429,452	...	58,478,043	...	...	418,997,700
2,963,146	890,974	...	2,999,525	...	...	32,511,960
142,613	14,323	150	391,633	200	35,707	3,284,890
2,948,072	296,083	3,101	8,095,772	4,134	738,129	67,904,700
2,070,479	207,943	2,178	5,685,793	2,904	518,400	47,690,579
19,179	...	...	356,784,326	12,905	218,513	339,105,079
601	...	...	10,552,059	404	6,846	10,624,772
...	...	...	...	...	...	100
...	...	...	...	...	...	800
...	...	...	...	...	...	138,516,240
...	...	...	...	...	...	35,345,105
...	...	...	...	...	...	84,772
...	...	...	...	...	...	1,962,937
...	...	...	39	...	...	105,374
...	...	...	1,275	...	...	5,445,730
available for publication				...	...	...
65,074	19,567	...	...	...	...	366,425
124,942	37,569	...	...	...	...	703,536
1,206,454	201,608	16	9,178,400	146,506	54,715	16,618,558
781,660	130,622	10	5,946,677	94,921	35,450	10,767,148
340	102	...	...	...	...	16,425
680	204	...	...	...	...	52,850
...	...	...	...	...	...	2,288
...	...	...	...	...	...	16,400
51,129,980	8,974,720	...	255,222,315	...	...	320,649,859
1,584,513	278,126	...	7,909,314	...	...	9,936,908
10,474,093	1,841,521	5,289	41,638,067	102,363	1,298,825	221,800,849

5,106	921,785	5,462,894	1,331,287	...	835	13,888,006
7,408	1,293,668	14,094,795	5,043,510	...	5,483	41,963,110
600	75,558	16,060,349	...	...	...	24,910,786
180	7,555	4,113,456	...	...	...	9,363,141
...	...	...	...	...	...	1,340
...	...	...	...	...	...	5,761
...	...	1,263,510	...	5,115	...	1,446,620
...	...	3,102,227	...	25,575	...	3,492,188
7,588	1,301,223	21,510,458	5,043,510	25,575	3,483	54,824,200

FINALLY REVISED STATISTICS ON THE MINERAL PRODUCTION OF

	Nova Scotia	New Brunswick	Quebec	Ontario
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NON-METALLICS (continued)

Other Non-Metallics

Asbestos	ton	210,467	...
	\$	7,054,614	...
Bituminous sands	ton	...	...	...	...
	\$
Diatomite	ton	666	...	...	100
	\$	26,660	...	...	4,600
Feldspar	ton	...	...	7,002	8,656
	\$	...	...	63,075	75,003
Fluorspar	ton	...	...	...	75
	\$	...	...	...	900
Graphite .....	\$	...	...	1,281	78,500
Grindstones (includes pulpstones, etc.)	ton	50	456	...	...
	\$	2,006	21,175	...	...
Gypsum	ton	454,703	30,796	...	58,247
	\$	523,216	105,960	...	164,807
Iron Oxides (Ochre)	ton	...	...	5,357	...
	\$	...	...	75,388	...
Magnesitic-dolomite ....	\$	...	...	486,084	...
Magnesium sulphate	ton	...	...	...	...
	\$
Mica	lb.	...	...	745,790	509,826
	\$	...	...	74,894	7,144
Mineral waters	Imp.gal.	...	...	126,616	19,900
	\$	...	...	15,113	1,477
Phosphate	ton	...	...	116	70
	\$	...	...	1,045	60
Quartz	ton	9,640	...	51,948	83,034
	\$	13,978	...	226,839	120,005
Salt	ton	38,701	...	...	320,003
	\$	161,659	...	...	1,698,508
Silica brick	m	1,968	...	...	493
	\$	75,218	...	...	22,976
Soapstone .....	\$	...	...	32,053	...
Sodium carbonate	ton	...	...	...	...
	\$
Sodium sulphate	ton	...	...	...	...
	\$
Sulphur (x)	ton	...	...	7,370	13,292
	\$	...	...	47,779	132,920
Talc	ton	...	...	...	13,710
	\$	...	...	...	138,161
TOTAL	\$	800,737	127,155	8,078,163	2,445,061

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

CANADA, BY PROVINCES, 1935. (continued)

Manitoba	Saskat- chewan	Alberta	British Columbia	North West Territories	Yukon	CANADA
						210,467
						7,054,614
						40
		40				160
		160				823
			57			35,140
			1,880			17,742
2,084						144,330
6,252						75
						900
						79,781
			202			708
			10,829			34,010
10,500			7,618			541,864
85,885			52,335			932,203
			159			5,516
			1,687			77,075
						486,084
			340			340
			7,965			7,965
						1,255,616
						82,038
						146,516
						16,590
						186
						1,103
147	77,177		11,056			233,002
220	59,069		4,771			424,882
1,538	101					360,343
18,765	2,046					1,880,978
						2,461
						96,194
						32,053
						242
			242			2,450
			2,430			44,817
	44,817					343,764
	343,764					67,446
			46,784			634,235
			453,536			13,805
			93			139,479
			1,318			12,504,008
111,122	404,879	160	536,751			

FINALLY REVISED STATISTICS ON THE MINERAL PRODUCTION OF

	Nova Scotia	New Brunswick	Quebec	Ontario
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CLAY PRODUCTS AND OTHER STRUCTURAL MATERIALS

Clay Products

Brick - Soft mud process -

Face	M \$	50 700	... ...	225 2,025	5,553 104,271
Common	M \$	450 5,000	1,202 20,101	1,782 12,570	10,026 128,205

Stiff mud process -
(wire cut)

Face	M \$	735 17,313	104 2,777	6,909 136,975	16,558 321,581
Common	M \$	3,050 38,208	383 4,840	18,044 252,014	9,170 125,559

Dry press -

Face	M \$	... ...	... ...	1,424 55,559	5,953 119,379
Common	M \$	... ...	... ...	... ...	1,563 22,071

Fancy or ornamental brick	M \$	... ...	... ...	... ...	13 728
Sewer brick	M \$	... ...	... ...	... ...	60 970

Paving brick	M \$	... ...	... ...	... ...	... ...
Firebrick	M \$	... ...	... ...	... ...	... ...

Fireclay	ton \$	1,065 3,541	... ...	... ...	... ...
Bentonite	ton \$	... ...	... ...	... ...	... ...

Kaolin	ton \$	... ...	... ...	170 1,520	... ...
Fireclay blocks and shapes.	\$	488	1,956	... ...	... ...

Structural tile -					
Hollow blocks	ton \$	3,558 23,914	410 3,640	11,894 87,155	22,983 156,702
Roofing tile	No. \$	... ...	... ...	... ...	82,015 3,669

Floor tile (quarries) .	Sq.ft. \$	... ...	... ...	... ...	48,923 7,142
Ceramic tile .....	\$	... ...	... ...	... ...	615

Drain tile	M \$	729 33,539	4 160	540 15,895	5,061 125,593
Sewer pipe, copings, flue linings, etc.	\$	146,962	... ...	49,449	196,647

Pottery, glazed or unglazed	\$	28,555	50,000
Other clay products	\$	813	449	7,093

TOTAL	\$	270,478	62,478	593,162	1,370,225
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CANADA, BY PROVINCES, 1935. (continued)

Manitoba	Saskat- chewan	Alberta	British Columbia	North West Territories	Yukon	CANADA
600	51	216	...	...	...	6,995
8,571	1,248	5,400	...	...	...	122,215
2,971	163	3,087	1,516	...	...	21,197
42,635	2,143	29,643	19,207	...	...	259,504
192	37	168	586	...	...	25,289
5,001	1,076	1,545	13,798	...	...	500,066
...	169	646	872	...	...	32,534
...	1,766	3,311	11,425	...	...	437,125
...	45	838	194	...	...	8,454
...	1,093	11,881	7,130	...	...	175,042
...	12	4,806	...	...	...	6,381
...	203	32,979	...	...	...	55,253
...	...	...	...	...	...	13
...	...	...	...	...	...	728
...	...	...	115	...	...	175
...	...	...	4,266	...	...	5,236
...	...	...	15	...	...	15
...	...	...	627	...	...	627
...	272	51	1,494	...	...	1,817
...	18,114	2,476	69,559	...	...	90,149
...	670	14	523	...	...	2,272
...	4,683	213	7,137	...	...	15,574
...	...	...	41	...	...	41
...	...	...	781	...	...	781
...	...	...	...	...	...	170
...	...	...	...	...	...	1,520
...	57,055	...	11,845	...	...	71,344
1,698	1,098	3,900	1,654	...	...	47,195
15,002	9,109	34,493	14,593	...	...	344,608
...	...	...	...	...	...	82,015
...	...	...	...	...	...	3,669
...	...	1,567	1,275	...	...	51,765
...	...	314	173	...	...	7,629
...	...	...	...	...	...	615
69	...	52	669	...	...	7,124
5,546	...	2,176	24,427	...	...	205,536
...	...	65,600	24,901	...	...	481,559
...	...	138,648	3,508	...	...	220,711
...	1,660	...	3,259	...	...	15,274
74,755	98,150	326,679	216,686	...	...	3,012,563

FINALLY REVISED STATISTICS ON THE MINERAL PRODUCTION OF

	Nova Scotia	New Brunswick	Quebec	Ontario
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CLAY PRODUCTS AND OTHER
STRUCTURAL MATERIALS - concluded

Other Structural Materials

Cement	brl.	...	...	1,751,012	1,245,836
	\$	...	...	2,472,008	1,752,148
Lime	ton	11,331	16,272	116,473	220,140
	\$	82,698	124,775	678,866	1,696,867
Sand and gravel	ton	1,423,557	1,813,206	5,268,987	8,770,117
	\$	685,973	845,981	1,442,468	2,211,406
Slate	ton	...	...	819	...
	\$	...	...	1,229	...
Stone	ton	212,465	85,144	1,390,517	2,122,941
	\$	621,832	208,723	2,053,761	1,863,892
TOTAL	\$	1,390,503	1,179,479	6,648,332	7,524,313

GRAND TOTAL (IN CANADIAN
FUNDS) ... \$ 25,183,128 2,821,027 39,124,696 158,934,269

CANADA, BY PROVINCES, 1955. (concluded)

Manitoba	Saskat- chewan	Alberta	British North West Columbia Territories	Yukon	CANADA
266,457	...	219,555	167,226	...	3,648,086
604,857	...	456,914	314,116	...	5,580,045
18,615	...	6,584	16,004	...	405,419
185,517	...	57,108	99,960	...	2,925,791
1,399,659	502,732	653,511	1,381,720	...	21,213,489
404,730	171,170	146,092	481,620	...	6,389,440
...	...	...	310	...	1,129
...	...	...	3,100	...	4,529
146,614	...	2,242	356,895	...	4,516,818
189,755	...	6,981	358,290	...	5,503,254
1,384,859	171,170	647,095	1,257,086	...	20,202,837
12,052,417	3,816,943	22,289,681	48,692,050	127,938	1,302,308
					512,344,457

PRODUCTION IN CANADA, IMPORTS AND EXPORTS OF ARSENIC, JANUARY 1 to JUNE 30, 1935 and
1936.

	1 9 3 5		1 9 3 6	
	Pounds	Value	Pounds	Value
		\$		\$
<u>PRODUCTION -</u>				
White arsenic	1,729,143	49,978	642,309	20,095
<u>IMPORTS -</u>				
White arsenic (arsenious oxide)	11,490	487	257	37
Sulphide of arsenic	12,125	1,677	75	20
Soda, arseniate, bi-arseniate and stannate of	2,003	625	4,291	1,236
Arsenate of lead	241,260	19,668	206,996	18,611
Arsenate of lime	33,691	1,794	193,280	11,444
<u>EXPORTS -</u>				
Arsenic, n.o.p.	1,557,400	47,041	279,300	10,142

PRODUCTION IN CANADA, BY PROVINCES AND BY SOURCES, IMPORTS AND EXPORTS OF COPPER,
JANUARY 1 to JUNE 30, 1935 and 1936.

	1 9 3 5		1 9 3 6	
	Pounds	Value	Pounds	Value
		\$		\$
<u>PRODUCTION - By Provinces -</u>				
Quebec	42,125,614	3,040,500	33,600,651	3,000,538
Ontario	120,579,595	8,455,911	142,602,355	12,571,568
Manitoba	18,929,395	1,366,267	10,942,031	977,123
Saskatchewan	6,720,192	485,043	10,167,960	907,999
British Columbia	26,402,297	1,905,639	8,654,478	772,845
TOTAL	214,757,093	15,253,360	205,967,475	18,230,073
<u>By Sources -</u>				
In blister copper produced	197,220,126	14,234,757	189,884,743	16,956,707
(x) In ores shipped and concentrates exported	9,855,606	711,348	10,525,664	939,942
In copper-nickel matte exported ..	7,681,361	307,255	5,557,068	333,424
TOTAL	214,757,093	15,253,360	205,967,475	18,230,073
(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 ..	380,300	44,375	303,600	37,113
Copper in bars or rods, in coil or otherwise, in lengths of not less than 6 feet, unmanufactured	56,000	8,977	46,300	8,713
Copper in blocks, pigs or ingots ..	23,100	2,385	8,600	910
Copper, old and scrap	2,200	73	4,000	100
Copper in strips, sheets or plates not polished or coated	119,000	23,179	159,200	30,366
Copper tubing in lengths of not less than 6 feet, and not polished, bent or otherwise manufactured	154,448	35,944	208,384	52,413
Copper wire	6,425	1,589	13,776	3,414
Copper wire cloth, or woven wire of copper .....	...	847	...	2,843

PRODUCTION IN CANADA, BY PROVINCES AND BY SOURCES, IMPORTS AND EXPORTS OF COPPER,
JANUARY 1 to JUNE 30, 1935 and 1936 (concluded)

	1 9 3 5 Pounds	Value \$	1 9 3 6 Pounds	Value \$
IMPORTS - (concluded)				
Copper, all other, manufactures of, n.o.p.	...	159,860	...	223,321
Copper, precipitate of, crude
Copper, sub-acetate of, or verdigris, dry	400	132
Copper, sulphate of (blue vitriol) and copper sulphate of, dehydrated for agricultural or spraying purposes	3,857,979	110,430	2,650,401	87,174
Copper rollers adapted for use in calico printing	...	35,689	...	52,461
TOTAL	...	423,348	...	498,960

EXPORTS -

Copper, fine, contained in ore, matte, regulus, etc.	18,825,600	802,845	19,585,300	1,174,707
Copper, blister	39,692,000	2,971,603	...	...
Copper, old and scrap	2,375,400	129,412	5,613,100	230,600
Copper in ingots, bars, cakes, slabs and billets	105,868,000	7,327,193	148,979,100	12,653,010
Copper in rods, strips, sheets, plates and tubing	12,769,500	1,017,220	14,651,400	1,417,637
Copper wire and cable	...	218,726	...	168,474
Copper manufactures, n.o.p.	...	121,380	...	151,852
TOTAL	...	12,588,379	...	15,796,280
Copper coin, foreign	...	3	...	1,320
Copper coin, Canadian	...	733	...	320

WORLD PRODUCTION OF COPPER(a) JANUARY TO JULY, 1936.

	(short tons)		REFINED	
	BLISTER	REFINED	United States	Foreign
	U.S. mine	Foreign mine	United States	Foreign
January	43,833	67,800	56,767	74,617
February	41,223	67,096	54,451	77,105
March	46,456	70,437	67,044	71,890
April	48,682	68,879	58,801	71,264
May	41,251	69,377	59,374	72,186
June	42,934	66,341	60,562	74,407
July	39,201	64,995	53,985	65,465
TOTAL	303,595	474,896	410,984	506,934

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

PRODUCTION OF GOLD(x), BY PROVINCES AND BY SOURCES, JANUARY 1 to JUNE 30, 1935 and 1936.

	1 9 3 5	1 9 3 6
	Fine ounces	Fine ounces
NOVA SCOTIA -		
In gold bullion	3,141	64,950
Equalization exchange .....	...	45,319
TOTAL NOVA SCOTIA IN CANADIAN FUNDS .....	...	110,249
QUEBEC -		
In gold bullion, blister copper and in ores shipped	203,849	4,213,933
Equalization exchange .....	...	2,941,167
TOTAL QUEBEC IN CANADIAN FUNDS .....	...	7,155,100
ONTARIO -		
Porcupine Area -		
In gold bullion	461,100	9,531,785
Kirkland Lake Area -		
In gold bullion	466,488	9,643,163
Other gold mines and in matte and blister copper	125,051	2,585,033
Total Ontario	1,052,639	21,759,979
Equalization exchange .....	...	15,187,650
TOTAL ONTARIO IN CANADIAN FUNDS .....	...	36,947,629
MANITOBA -		
In gold bullion from gold mines and in blister copper	73,552	1,520,455
Equalization exchange .....	...	1,061,220
TOTAL MANITOBA IN CANADIAN FUNDS .....	...	2,581,675
SASKATCHEWAN -		
In blister copper	4,741	98,005
Equalization exchange .....	...	68,404
TOTAL SASKATCHEWAN IN CANADIAN FUNDS .....	...	166,409
ALBERTA -		
In crude alluvial gold	11	227
Equalization exchange .....	...	159
TOTAL ALBERTA IN CANADIAN FUNDS .....	...	386
BRITISH COLUMBIA -		
In alluvial gold	5,600	115,762
In gold bullion from gold mines	73,507	1,519,525
In blister copper	4,205	86,925
In base bullion(a) and in ores, etc., exported	82,817	1,711,979
Total British Columbia	166,129	3,434,191
Equalization exchange .....	...	2,396,937
TOTAL BRITISH COLUMBIA IN CANADIAN FUNDS .....	...	5,831,128

PRODUCTION OF GOLD(X), by PROVINCES AND BY SOURCES, JANUARY 1 to JUNE 30, 1935 and 1936.
 (concluded)

	1 9 3 5		1 9 3 6	
	Fine ounces		Fine ounces	
<u>YUKON -</u>				
In alluvial gold and in ores exported ..	5,459	112,848	11,579	239,359
Equalization exchange .....	...	78,763	...	167,064
TOTAL YUKON IN CANADIAN FUNDS .....	...	191,611	...	406,423
TOTAL AT STANDARD PRICE OF GOLD	1,509,521	31,204,568	1,769,206	36,572,732
Estimated equalization on gold produced .	...	21,779,619	...	25,526,398
TOTAL VALUE IN CANADIAN FUNDS .....	...	52,984,187	...	62,099,130

(x) Gold valued at \$20,671834 per fine ounce and equalization exchange estimated with gold valued at \$35.10 in 1935 and \$35.10 in 1936.

(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, 1935 and 1936.

	1 9 3 5	1 9 3 6
<u>IMPORTS -</u>		
<u>Coin and bullion -</u>		
Coins, British, Canadian and Foreign gold coins	301,166	398,385
Gold bullion, in bars, blocks, ingots, drops, sheets or plates, unmanufactured	364,500	709
TOTAL	665,666	399,094
<u>Gold, other -</u>		
Bullion or gold fringe	2,269	6,120
Manufactures of gold and silver -		
Leaf	30,480	34,600
Sweepings .....	...	276
Manufactures, n.o.p.	11,298	7,833
Electroplated ware	185,129	455,594
TOTAL	229,176	504,423
<u>EXPORTS -</u>		
<u>Coin and bullion -</u>		
Gold coin - Canadian .....	...	...
Foreign	3,406,666	4,497,207
Gold bullion - Canadian (x)	46,689,200	29,049,920
Foreign .....	...	...
Total - Canadian	46,689,200	29,049,920
Foreign	3,406,666	4,497,207
Total Coin and Fine Gold Bullion	50,095,866	33,547,127
Gold-bearing quartz, dust, nuggets and crude bullion obtained direct from mining operations	1,488,439	2,452,847
Jewellers' sweepings (gold, silver and platinum)	397,446	353,771
TOTAL	1,885,885	2,786,618

(x) During the first six months of 1936 the fine gold contained in bullion exported totalled 826,963 fine ounces as compared with 1,357,835 fine ounces in the corresponding period of 1935.

GOLD PRODUCTION OF THE WORLD, JANUARY 1 to JUNE 30, 1935 and 1936. (From "American Bureau of Metal Statistics")

Country	1935	1936
	fine ounces	fine ounces
United States (a)	1,547,000	1,876,000
Canada	1,517,000	1,760,000
Mexico	321,000	399,000
Colombia	165,000	194,000
Chili	127,000	146,000
Other South America	247,000	422,000
British India (d)	162,000	164,000
Japan (d)	260,000	318,000
Queensland	55,000	52,000
Western Australia	261,000	382,000
Other Australia	101,000	170,000
New Guinea	65,000	77,000
New Zealand	5,268,000	5,547,000
South Africa	180,000	195,000
Belgian Congo	351,000	403,000
Rhodesia	228,000	246,000
British West Africa	2,100,000	2,760,000
Russia (b)	830,000	909,000
Elsewhere (c)		
TOTAL	13,863,000	16,120,000

(a) Includes Philippines.

(b) Chiefly Siberia.

(c) Includes West Indies, Central America, Europe, and Asiatic and African lands not separately reported.

(d) Principal mines only, but nearly complete.

PRODUCTION IN CANADA, IMPORTS AND EXPORTS OF LEAD, JANUARY 1 to JUNE 30, 1935 and 1936.

	1935	1936
	Pounds	\$
<u>PRODUCTION -</u>		
Quebec	1,304,000	53,849
Ontario	5,661	159
British Columbia	158,978,531	4,126,765
Yukon (a)	...	...
TOTAL	160,288,192	4,160,773
<u>(a) Includes North West Territories.</u>		
<u>IMPORTS -</u>		
Old and scrap pig and block	11,299	955
Bars and sheets	55,074	2,217
Litharge	888,300	46,814
Acetate of lead	87,669	7,291
Nitrate of lead	54,869	2,889
Other manufactures	...	29,269
Pipe lead	2,617	97
Shots and bullets	4,575	366
Tetraethyl lead, compounds of	975,728	524,788
Lead pigments -		
Dry white lead	7,771	529
White lead, ground in oil	9,814	801
Dry red lead and orange mineral.	217,286	13,042
TOTAL	...	629,058
		735,869

PRODUCTION IN CANADA, IMPORTS AND EXPORTS OF LEAD, JANUARY 1 to JUNE 30, 1935 and 1936.
 (concluded)

	1 9 3 5		1 9 3 6	
	Pounds	\$	Pounds	\$
<u>EXPORTS -</u>				
Lead contained in ore	4,330,800	83,201	1,562,500	39,738
Pig lead	143,409,000	2,682,214	168,512,800	5,015,731
TOTAL	147,739,800	2,765,415	170,075,300	5,055,469

LEAD PRODUCTION OF THE WORLD, JANUARY 1 to JUNE 30, 1935 and 1936. (On refined basis,
 accredited so far as possible to countries of origin)
 (From "American Bureau of Metal Statistics")

Country	1 9 3 5	1 9 3 6
	short tons	short tons
United States (a)	173,962	210,982
Canada	80,191	89,786
Mexico	101,297	113,585
Germany	70,848	73,955
Italy	17,799	22,617(e)
Spain	40,980	31,150
Other Europe (b)	92,000	100,200
Australia (c)	117,898	104,762
Burma	40,186	40,300
Tunis	13,538	12,119
Elsewhere (d)	15,700	21,100
TOTAL	764,199	820,556

- (a) From domestic material only.
- (b) Includes Belgium, Russia, Great Britain, Poland, France, Austria, Czechoslovakia, and Jugoslavia; partly estimated.
- (c) Includes Australian lead refined in Great Britain.
- (d) Includes Argentina, Peru, Japan and the product of foreign ore smelted in the United States; partly estimated.
- (e) Partly estimated.

PRODUCTION OF SILVER IN CANADA, BY PROVINCES AND BY SOURCES, JANUARY 1 to JUNE 30, 1935 and 1936.

	1 9 3 5	1 9 3 6		
	Fine ounces	\$	Fine ounces	\$
<u>NOVA SCOTIA -</u>				
In gold bullion	141	90	174	79
<u>QUEBEC -</u>				
In gold ores, in blister copper and in ores exported	366,082	253,843	366,479	165,945
<u>ONTARIO -</u>				
In silver bullion	938,749	599,648	951,273	430,746
(x) In gold bullion	186,791	119,317	237,287	107,446
In matte and crude bullion exported, in blister copper produced and in ores exported from province	1,209,795	772,784	1,371,057	620,828
Total Ontario	2,335,335	1,491,749	2,559,617	1,159,020

PRODUCTION OF SILVER IN CANADA, BY PROVINCES AND BY SOURCES, JANUARY 1 to JUNE 30,
1935 and 1936 (concluded)

	1 9 3 5	1 9 3 6
	Fine ounces	Fine ounces
MANITOBA -		
In gold bullion, in blister copper and ores shipped	660,374	421,829
	304,892	138,058
SASKATCHEWAN -		
In blister copper	72,792	46,498
	418,562	189,529
BRITISH COLUMBIA -		
In alluvial gold	1,260	805
In gold bullion	17,123	10,938
In blister copper	224,207	143,217
In base bullion and in ores exported.	3,969,281	2,535,469
Total British Columbia	4,211,871	2,690,429
	4,609,623	2,087,285
	4,644,800	2,103,212
YUKON -		
In alluvial gold and in ores exported	1,227	784
	272,065	123,194
NORTH WEST TERRITORIES -		
In pitchblende-silver ores	211,668	135,208
TOTAL CANADA	7,859,490	5,020,430
	8,737,157	3,956,272

(x) Includes silver in smelter shipments.

Silver evaluated at 63.8773 cents per fine ounce in 1935 and 45.281 cents per fine ounce in 1936, Canadian funds.

IMPORTS INTO CANADA AND EXPORTS OF SILVER, JANUARY 1 to JUNE 30, 1935 and 1936.

	1 9 3 5	1 9 3 6
	Fine ounces	Fine ounces
IMPORTS -		
Silver in bars, etc., unmanufactured	... 2,875,509	... 1,656,822
Silver, manufactures of, n.o.p., and articles consisting wholly or in part of sterling, and other silverware	... 32,405	... 51,304
Silver and other coin, except gold .	... ...	... ...
TOTAL .....	... 2,907,914	... 1,708,126
EXPORTS -		
Silver contained in ore, concentrates, etc.	392,654	244,795
Silver bullion	5,046,668	7,114,001
TOTAL	5,439,322	8,092,978
	453,534	3,246,206
Silver coin - Foreign .....	... 342,332	... 305,949
Canadian .....	... 14,953	... 35,153

SILVER PRODUCTION OF THE WORLD(x), JANUARY 1 to JUNE 30, 1935 and 1936. (From
 "American Bureau of Metal Statistics")

Country	1935	1936
	Fine ounces	Fine ounces
United States	16,742,000	29,852,000
Canada	7,447,000	8,728,000
Mexico	35,631,000	33,354,000(a)
Peru	6,418,000	9,409,000
Other America	5,950,000	7,170,000
Europe	7,850,000	7,935,000
Australia - refined	4,130,000	3,954,000
Other Australia and New Zealand	1,575,000	2,160,000
Japan	3,702,000	4,405,000
Burma - refined	2,926,000	2,947,000
Other Asia	1,445,000	1,615,000
South Africa	517,000	541,000
Belgian Congo (b)	(c)	1,920,000
Other Africa	185,000	202,000
TOTAL	94,518,000	...

The preceding computation is based on the production by refineries. Omitted, as unknown in 1935, is the production of Katanga which in 1934 amounted to 3,369,300 ounces.

(x) Subject to revision.

(a) January to May inclusive, only annual

(b) Estimated on basis of 1935 output of 3,900,000 ounces.

(c) Information not available.

PRODUCTION IN CANADA, IMPORTS AND EXPORTS OF ZINC, JANUARY 1 to JUNE 30, 1935 and 1936.

	1935	1936	Pounds	\$	Pounds	\$
<u>PRODUCTION -</u>						
Quebec	3,093,200	86,628	3,720,983	123,165		
Manitoba	27,077,616	758,336	15,238,893	504,407		
Saskatchewan	5,008,624	84,260	16,799,847	556,075		
British Columbia	118,405,399	3,316,062	122,109,829	4,041,835		
TOTAL	154,678,039	4,331,914	157,869,552	5,225,482		
<u>IMPORTS -</u>						
Zinc dust	907,700	44,722	873,000	34,551		
Zinc in blocks, pigs, bars and rods and zinc plates, n.o.p.	4,400	589	4,700	249		
Zinc strip and sheets and zinc plate for marine boilers	2,786,900	166,911	2,737,200	187,466		
Zinc spelter	2,000	124	...	...
Zinc white	4,925,975	189,119	5,411,513	218,056		
Zinc sulphate and chloride of	1,611,894	33,546	1,157,094	32,672		
Zinc, manufactures of, n.o.p. ....	...	74,015	...	70,816		
Lithopone	7,456,941	270,069	6,821,938	250,875		
<u>EXPORTS -</u>						
In ore	8,340,400	131,572	6,037,900	97,088		
Spelter	131,569,700	3,396,962	140,098,500	4,389,647		
Scrap, dross and ashes	2,387,500	20,051	1,914,300	20,297		
TOTAL	142,297,600	3,548,585	148,050,700	4,507,032		

ZINC PRODUCTION OF THE WORLD, JANUARY 1 to JUNE 30, 1935 and 1936. (From "American Bureau of Metal Statistics")

Country	1935	1936
	short tons	short tons
United States	209,987	253,732
Canada	75,792	78,935
Other North America	19,876	12,422
Belgium and Netherlands (a)	107,953	104,696
France	28,138	30,565
Germany	65,412	73,859
Italy	14,548	14,287(a)
Rhodesia	11,634	11,731
Spain	4,403	4,720
Anglo Australian	71,492	71,068
Elsewhere (b)	109,900	130,300
TOTAL	719,135	786,315

(a) Partly estimated.

(b) Includes Norway, Poland, Japan and Indo-China, together with estimates for Czechoslovakia, Jugoslavia and Russia, the quantities of which are small.

F U E L S

OUTPUT AND VALUE OF CANADIAN COAL BY PROVINCES AND GRADES, JANUARY 1 to JUNE 30, 1935 and 1936. (Short tons)

Province	1 9 3 5(x)		1 9 3 6	
	Output	Total Value	Output	Total Value
NOVA SCOTIA (Bituminous)	2,738,158	\$ 9,634,921	2,904,066	\$ 9,853,497
NEW BRUNSWICK (Bituminous)	179,565	593,385	178,537	585,545
MANITOBA (Lignite)	1,630	3,873	2,800	6,720
SASKATCHEWAN (Lignite)	402,374	532,067	464,452	652,186
ALBERTA -				
Bituminous	1,035,516	3,071,566	1,052,080	3,014,234
Sub-bituminous	268,526	632,325	261,830	650,897
Lignite	1,042,181	2,320,417	1,252,989	2,864,904
Total for Alberta	2,346,223	6,024,308	2,566,899	6,550,035
BRITISH COLUMBIA (Bituminous)	658,256	2,473,895	762,155	2,814,413
YUKON (Bituminous)	361	1,153	510	2,286
CANADA - Bituminous	4,611,856	15,774,920	4,897,348	16,269,975
Sub-bituminous	268,526	632,325	261,830	650,897
Lignite	1,446,185	2,856,357	1,720,241	3,523,810
TOTAL	6,326,567	19,263,602	6,879,419	20,444,682

(x) Revised.

COAL MADE AVAILABLE FOR CONSUMPTION IN CANADA, JANUARY 1 to JUNE 30, 1935 and 1936.
(short tons)

Month	1 9 3 5 (x)				Coal made available for use :				1 9 3 6				Coal made available for use
	Output	Imports	Ex-ports	for use	Output	Imports	Ex-ports	for use	Output	Imports	Ex-ports	for use	
Jan.	1,520,325	479,026	28,109	1,971,242	1,391,106	452,678	40,727	1,803,057					
Feb.	1,018,092	494,491	39,997	1,472,586	1,491,436	530,842	26,836	1,995,442					
March	1,038,668	526,831	23,648	1,541,851	1,028,299	506,260	40,782	1,493,777					
April	892,896	652,071	12,868	1,532,099	937,045	492,870	14,765	1,415,150					
May	926,493	1,485,060	19,599	2,391,954	998,292	1,362,926	23,664	2,337,554					
June	930,093	1,506,196	33,527	2,402,762	1,033,241	1,683,704	32,639	2,684,306					
TOTAL	6,326,567	5,143,675	157,748	11,312,494	6,879,419	5,029,280	179,413	11,729,286					

(x) Revised.

IMPORTS OF ANTHRACITE, BITUMINOUS AND LIGNITE COAL INTO CANADA, JANUARY 1 to JUNE 30, 1936
(Short tons)

Month	ANTHRACITE			BITUMINOUS			LIGNITE :		
	United States	Great Britain	TOTAL	United States	Great Britain	Other Countries	United States	TOTAL	States:
Jan.	159,917	19,132	159,049	285,633	7,512	...	293,145	484	452,678
Feb.	203,788	22,957	226,745	296,484	6,344	...	302,828	1,269	530,842
March	143,432	20,163	163,595	335,647	6,430	...	342,077	588	506,260
April	58,256	70,646	(a) 129,032	346,736	16,880	...	363,616	222	492,870
May	179,253	207,275	(b) 403,002	945,133	14,675	33	959,841	83	1,362,926
June	163,630	227,835	(c) 449,148	1,217,789	16,558	209	1,234,556	...	1,683,704
TOTAL	888,276	568,008	1,530,571	3,427,422	68,399	242	3,496,063	2,646	5,029,280

(a) Includes 130 tons imported from Germany.

(b) Includes 16,474 tons imported from Germany.

(c) Includes 31,942 tons imported from Germany, 8,175 tons imported from Belgium and 17,566 tons imported from French Indo-China.

COKE STATISTICS FOR CANADA, JANUARY 1 to JUNE 30, 1936. (Short tons)

Months	Bituminous coal used in coke making			COKE MADE	Disposition of coke by makers						
	Canadian	Imported	TOTAL		In coke or gas plants	USED		SOLD		For domestic smelters	
						In coke makers	In gas plants	In mestic smelters	For other uses		
Jan..	95,313	199,607	294,920	212,101	21,422	61,047	165,855	32,549	280,873		
Feb..	89,904	188,868	278,772	197,510	21,053	57,068	171,909	29,260	279,290		
March	89,758	191,808	281,566	202,411	21,180	58,881	88,069	28,672	196,802		
April	95,135	171,825	266,960	190,041	20,821	57,373	67,694	27,555	173,442		
May .	84,425	193,221	277,646	200,122	20,614	57,152	24,935	28,216	130,917		
June.	90,808	185,252	276,060	198,953	18,321	55,428	52,256	28,151	154,156		
TOTAL	545,343	1,130,581	1,675,924	1,201,138	123,410	346,949	570,718	174,403	1,215,480		

PRODUCTION IN CANADA, IMPORTS AND EXPORTS OF COKE, BY PROVINCES, JANUARY 1 to JUNE 30, 1935 and 1936. (Short tons)

	Year	Nova Scotia, New Brunswick and Quebec	Ontario	Manitoba, Saskatchewan, Alberta and British Columbia	CANADA
PRODUCTION	1935	349,299	677,996	96,561	1,123,856
	1936	386,881	718,508	95,749	1,201,138
IMPORTS	1935	7,021	171,725	7,027	185,773
	1936	9,142	185,594	9,720	204,456
EXPORTS	1935	163	...	9,790	9,953
	1936	431	...	10,697	11,128
AVAILABLE FOR CONSUMPTION	1935	356,157	849,721	98,798	1,299,676
	1936	395,592	904,102	94,772	1,394,466

PRODUCTION OF NATURAL GAS IN CANADA, JANUARY 1 to JUNE 30, 1935 and 1936.

	1 9 3 5	\$		1 9 3 6	\$
	M cu.ft.	\$		M cu.ft.	\$
New Brunswick	388,274	189,866	367,329	181,400	
Ontario	5,850,000	2,290,750	5,609,806	3,365,900	
Manitoba	300	90	300	90	
Saskatchewan	39,099	13,685	181,320	18,000	
Alberta	8,412,262	2,201,385	9,650,000	2,470,000	
CANADA	12,689,935	4,695,774	15,808,755	6,035,390	

PRODUCTION OF CRUDE PETROLEUM IN CANADA, JANUARY 1 to JUNE 30, 1935 and 1936.

	1 9 3 5	\$		1 9 3 6	\$
	Barrels	\$		Barrels	\$
New Brunswick	5,833	11,666	(a) 8,091	11,327	
Ontario	80,728	166,609	81,514	172,196	
Alberta	618,327	1,494,816	585,300	1,438,000	
North West Territories	360	1,800	87	435	
CANADA	705,248	1,674,891	674,992	1,621,958	

(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, 1935 and 1936.

	1 9 3 5	\$		1 9 3 6	\$
	Quan- tity Tons	Sales value at mill		Quan- tity Tons	Sales value at mill
PRODUCTION - By grades					
Crudes	961	228,401	1,600	357,787	
Fibres	42,632	1,974,133	55,630	2,679,774	
Shorts	38,314	574,523	63,207	979,351	
TOTAL	81,907	2,777,057	120,437	4,016,912	
Sand, gravel and stone (waste rock only)	1,129	975	1,746	1,515	
Rock mined	1,107,877		... 1,797,310		...
Rock milled	724,877		... 1,392,308		...
IMPORTS -					
Asbestos brake and clutch lining .....	...	120,156	...	175,907	
Asbestos in any form other than crude and all manufactures of, n.o.p. ....	...	176,394	...	206,276	
Asbestos packing	33	31,704	49	34,095	
EXPORTS -					
Asbestos	40,943	2,114,311	55,454	3,018,649	
Asbestos, sand and waste	36,434	572,282	59,464	958,678	
Asbestos manufactures, including asbestos roofing .....	...	75,188	...	62,585	

PRODUCTION IN CANADA, IMPORTS AND EXPORTS OF GYPSUM, JANUARY 1 to JUNE 30, 1935 and
1936.

	1	9	3	5	1	9	3	6
	Tons		\$		Tons		\$	
PRODUCTION -								
Crude - Lump or mine run	51,596	55,715		26,798		30,075		
Crushed	113,123	131,011		204,069		221,247		
Fine ground	174	1,078		385		2,595		
Calcined	50,277	175,316		34,057		208,942		
TOTAL	174,970	343,120		265,309		462,857		
Crude gypsum mined	179,153	...	302,514(x)	...				
IMPORTS -								
Gypsum, crude (sulphate of lime)	13	27		4		135		
Ground gypsum, not calcined	80	1,976		169		5,336		
Plaster of Paris, or gypsum calcined and prepared wall plaster	639	11,652		359		8,737		
TOTAL .....	...	13,755		...		14,208		
EXPORTS -								
Gypsum or plaster, crude	91,357	104,294		108,618		122,829		
Plaster of Paris, ground, and prepared wall plaster	339	13,468		286		7,080		
TOTAL .....	...	117,762		...		129,909		

(x) Partly estimated.

PRODUCTION OF SALT IN CANADA, BY GRADES, JANUARY 1 to JUNE 30, 1935 and 1936.

Manufactured	1			1			Value of salt sold (not including containers)		Value of salt sold (not including containers)		
	9			9			3		3		
	Tons	Tons	\$	Tons	Tons	\$	Tons	Tons	Tons	\$	
Table, dairy and pressed blocks	32,731	33,719	414,066	39,315	32,940		39,315	32,940	417,013		
Common, fine	41,037	39,135	193,368	31,089	35,830		31,089	35,830	161,672		
Common, coarse	10,088	9,748	74,293	13,194	14,106		13,194	14,106	105,185		
Land salt .....	...	...	...	115	115		115	115	420		
Other grades	14,593	15,094	59,664	16,694	15,301		16,694	15,301	63,796		
Brine for chemical works (salt equivalent sold or used)	65,768	65,768	65,768	78,609	78,609		78,609	78,609	78,609		
TOTAL	164,217	163,464	807,159	179,016	176,901		179,016	176,901	826,695		
Value of containers .....	...	...	284,133	...	...		...	...	219,837(x)		
GRAND TOTAL .....	...	...	1,091,292	...	...		...	...	1,046,632		

(x) Partly estimated.

IMPORTS INTO CANADA AND EXPORTS OF SALT, JANUARY 1 to JUNE 30, 1935 and 1936.

	1 9 3 5	1 9 3 6		
	Tons	\$	Tons	\$
IMPORTS -				
Salt for use of the sea or gulf fisheries ...	19,946	50,839	11,674	32,458
Salt in bulk, n.o.p.	20,989	88,042	20,790	70,964
Salt, n.o.p., in bags, barrels, etc.	9,443	63,285	8,600	58,148
Salt, table, made by an admixture of other ingredients, when containing not less than 90 per cent pure salt	49	1,734	24	577
EXPORTS	3,613	18,807	2,901	19,940

IMPORTS INTO CANADA AND EXPORTS OF CERTAIN (SPECIFIED) NON-METALLIC MINERALS, JANUARY 1 to JUNE 30, 1935 and 1936.

	1 9 3 5	1 9 3 6			
	Quantity	Value	Quantity	Value	
		\$		\$	
IMPORTS -					
Barytes	Cwt.	14,169	11,474	10,563	8,889
Feldspar, crude	Cwt.	1	5	439	274
Feldspar, not further manufactured than ground	Cwt.	4,359	3,488	6,120	5,906
Fluorspar	Cwt.	90,703	40,919	114,057	40,941
Graphite -					
Crucibles, plumbago .....	...	...	15,229	...	18,415
Plumbago, not ground or otherwise manufactured .....	...	...	2,383	...	1,324
Plumbago, ground and manufactures of, n.o.p. ....	...	...	45,909	...	40,936
Magnesite, dead-burned, sintered, caustic, calcined or plastic magnesia	Cwt.	5,915	18,473	9,308	25,174
Brick, fire, magnesite .....	...	...	160,808	...	199,382
Magnesium sulphate	Lb.	1,612,803	17,864	1,400,253	17,070
Mica and manufactures of, n.o.p. ....	...	...	30,661	...	28,961
Phosphate rock	Ton	21,410	94,573	24,319	101,971
Brimstone or sulphur, crude or in roll or flour	Ton	39,954	682,459	43,250	744,519
Talc and soapstone	Ton	1,390	20,541	1,345	17,602

EXPORTS -

Graphite or plumbago, crude or refined	Ton	1,268	52,721	1,667	73,842
Mica -					
Rough cobbed and thumb-trimmed	Ton	38	23,271	33	25,614
Mica splittings	Ton	16	15,066	4	3,232
Mica scrap and waste	Ton	400	3,855	661	7,676
Mica plate and manufactures of (micanite)	637	...	776
Talc	Ton	3,859	39,966	4,643	46,369

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