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

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MONTHLY REPORT

COPPER AND NICKEL PRODUCTION IN CANADA - DECEMBER, 1936.

COPPER - Canada produced 43,631,366 pounds of copper in December; this was a new high monthly record. In November, the previous record month, 37,031,762 pounds were produced while in December, 1935, the output was 36,541,180 pounds, according to a report just issued by the Dominion Bureau of Statistics at Ottawa. Production during the calendar year 1936 totalled 421,076,559 pounds as compared with 418,997,700 pounds produced in 1935.

Quotations for electrolytic copper, on the London market, in December averaged 11.02657 cents per pound; valued at this price the month's output in Canada was worth \$4,811,043. The November average price was 10.56256 cents per pound and the value of the Canadian production was \$3,911,502.

Refined copper production of the world was recorded at 162,983 tons in December as compared with 160,460 tons produced in the preceding month. The United States output in December amounted to 78,853 tons or 14.8 per cent above the November total of 68,682 tons. Stocks of refined copper in the United States on December 31st totalled 161,063 tons; this represented a decline of 70,347 tons from the quantity on hand at the beginning of the year. Countries other than the United States produced 84,130 tons in December as against 91,778 tons in November. A decrease of 61,683 tons was shown in the stocks held in countries other than the United States in 1936; at the end of the year 192,230 tons of refined copper were on hand while on January 1st, 1936, stocks totalled 253,913 tons. Official warehouses of the London Metal Exchange contained 50,981 tons of refined copper and 848 tons of rough copper on December 31st. On November 28th, 50,100 tons of the former and 859 tons of the latter were on hand.

Imports of electrolytic copper into Great Britain during the calendar year 1936 aggregated 182,484 tons as compared with 171,220 tons in 1935. The following countries were the sources of the 1936 importations: Canada, 59.1 per cent; Australia, 2.4 per cent; other British countries, 10.7 per cent; the United States, 17.3 per cent; Chile, 9.9 per cent, and other foreign countries, 0.6 per cent. Other unwrought copper receipts during the year amounted to 139,608 tons of which Chile supplied 43.8 per cent and Northern Rhodesia, 39.2 per cent.

Exports of refined copper (foreign and domestic metal) from the United States during 1936 declined 15.6 per cent from the 1935 total and amounted to 220,390 tons. The 1936 exportations included 40,872 tons shipped to France, 39,929 tons to Japan, 32,639 tons to Germany, 30,325 tons to Great Britain, 23,852 tons to Italy, 15,506 tons to Sweden, 14,706 tons to Belgium, and 22,561 tons to other countries.

PRODUCTION OF COPPER IN CANADA

Month	1936(a)	1935	1934
	Pounds	Pounds	Pounds
January	34,289,634	33,472,667	26,443,315
February	32,911,842	33,466,366	24,447,295
March	36,478,815	37,832,255	30,754,411
April	35,491,618	38,848,907	31,661,575
May	35,044,332	35,779,084	35,540,350
June	31,421,070	35,623,079	27,798,929
July	28,579,506	30,966,804	29,456,597
August	35,388,972	32,593,815	32,647,984
September	36,155,266	33,927,147	27,551,889
October	34,652,376	35,421,463	32,888,933
November	37,031,762	34,524,933	34,280,777
December	43,631,366	36,541,180	31,289,007
TOTAL - Calendar Year	421,076,559	418,997,700	364,761,062

(a) Compiled from monthly reports received from operators and, therefore, subject to revision.

COPPER PRODUCTION IN CANADA DURING 1936, BY MONTHS

Month	Output(a)	Average Value	
		per Pound in	Total Value(a)
	Pounds	Canadian funds	
		Cents	\$
January	34,289,634	8.59864	2,948,442
February	32,911,842	8.79810	2,895,617
March	36,478,815	8.94027	3,261,305
April	35,491,618	9.12098	3,237,183
May	35,044,332	9.07900	3,181,675
June	31,421,070	9.06735	2,849,058
July	28,579,506	9.25237	2,644,282
August	35,388,972	9.50880	3,365,067
September	36,155,266	9.73314	3,519,043
October	34,652,376	9.90262	3,431,493
November	37,031,762	10.56256	3,911,502
December	43,631,366	11.02657	4,811,043
TOTAL -.Calendar Year	421,076,559		40,055,710

(a) Subject to revision.

EXPORTS OF COPPER FROM CANADA DURING NOVEMBER and DECEMBER, 1936.

	NOVEMBER		DECEMBER	
	Pounds	\$	Pounds	\$
Copper in ore, matte, regulus, etc.	5,024,700	351,729	5,918,600	473,488
Copper, blister .....	...	...	...	...
Copper in ingots, bars, cakes, slabs and billets	26,858,100	2,529,157	21,271,600	2,111,361
Copper in rods, strips, sheets, plates and tubing	5,604,900	574,606	6,435,300	654,739

IMPORTS OF COPPER INTO GREAT BRITAIN DURING NOVEMBER AND DECEMBER, 1936.

	NOVEMBER		DECEMBER	
	Pounds	£	Pounds	£
Unwrought copper, including rough copper of 94% copper content or over - ELECTROLYTIC -				
From - Australia	896,000	17,950	1,120,000	23,876
Canada	23,094,400	477,517	18,567,360	403,359
Other British countries ...	2,495,360	51,019	2,795,520	59,771
Germany	112,000	2,488	524,160	11,409
United States	5,949,440	121,987	8,205,120	175,786
Chile	7,963,200	156,026	450,240	9,742
Other Foreign countries ...	112,000	2,475	...	...
TOTAL	40,622,400	829,462	31,662,400	683,943
OTHER -				
From - Union of South Africa	280,000	5,569	721,280	15,134
Northern Rhodesia	6,440,000	126,583	10,024,000	203,852
Other British countries ...	2,246,720	42,338	1,366,400	27,620
Chile	13,104,000	261,973	15,680,000	322,162
Other Foreign countries ...	...	2	672,000	13,668
TOTAL	22,070,720	436,465	28,463,680	582,436
Plates, sheets, discs, circles and strip ..	589,680	15,421	1,279,712	36,690
Rods and sections, angles and shapes and wire not in coils -				
From - Canada	4,633,328	100,357	7,021,840	157,958
Foreign countries	14,224	434	18,144	611
TOTAL	4,647,552	100,791	7,039,984	158,569
Wire in coils (including uninsulated electric wire)	147,840	3,841	113,456	2,977
All other manufactures of copper not elsewhere specified	557,088	17,043	638,736	20,621

COAST GUARD VESSELS IN SERVICE JANUARY 1964

Month	Category	Number of Vessels	Percentage of Total	Notes
January	Patrol	12	100%	
February	Patrol	11	100%	
March	Patrol	10	100%	
April	Patrol	9	100%	
May	Patrol	8	100%	
June	Patrol	7	100%	
July	Patrol	6	100%	
August	Patrol	5	100%	
September	Patrol	4	100%	
October	Patrol	3	100%	
November	Patrol	2	100%	
December	Patrol	1	100%	

DETAILS OF COAST GUARD VESSELS IN SERVICE JANUARY 1964

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September	Patrol	4	100%	
October	Patrol	3	100%	
November	Patrol	2	100%	
December	Patrol	1	100%	

Notes

1. All vessels are manned by Coast Guard personnel.	
2. Vessels are used for patrol, search and rescue, and other duties.	
3. The number of vessels in service may vary from month to month.	
4. The percentage of total vessels in service may vary from month to month.	
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10. The percentage of total vessels in service may vary from month to month.	

NICKEL - Nickel production in Canada in December totalled 18,011,386 pounds as compared with 15,055,755 pounds in the preceding month and 15,044,762 pounds in December, 1935. Output during the calendar year 1936 aggregated 169,378,252 pounds; this represented an advance of 22.3 per cent over the production in 1935.

The Falconbridge Nickel Mines, Ltd., annual report contains the following references to operations in 1936:

"The reduction plant was in operation 332.64 days in 1936. Suspension of operations was forced through the failure of power supply when the Stinson generating station of Hydro was destroyed by fire in September. The opportunity was then taken to rush to completion the smelter extensions that were part of our 1936 expansion program and the consequent increased smelting capacity was thus made available when power service was resumed in October.

"The production of nickel in matte was slightly higher than last year, as the increased production during the last two months made up for the loss of production from the power breakdown and from unavoidable interference with operations during the changeover to the new shaft and new ore dressing plant."

PRODUCTION OF NICKEL IN CANADA

Month	1936(a)	1935	1934
	Pounds	Pounds	Pounds
January	14,052,702	9,419,574	9,259,066
February	16,151,374	8,818,273	7,261,301
March	15,666,457	10,651,409	10,426,462
April	11,018,947	11,872,816	12,911,552
May	11,815,188	11,365,544	10,023,350
June	14,070,491	11,701,703	13,338,307
July	12,569,576	10,220,876	10,649,811
August	12,352,757	10,903,373	14,257,921
September	15,871,633	12,936,881	8,764,513
October	12,741,986	13,399,099	8,893,458
November	15,055,755	12,181,930	12,147,283
December	18,011,386	15,044,762	10,703,716
TOTAL - Calendar Year	169,378,252	138,516,240	128,687,340

(a) Compiled from monthly reports received from operators and, therefore, subject to revision.



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The following table shows the number of persons employed in the manufacturing industries of Canada, by province and territory, for the years 1950, 1955, 1960, 1965, and 1970. The figures are in thousands of persons.

The number of persons employed in the manufacturing industries of Canada has increased steadily over the years. In 1950, there were approximately 1,200,000 persons employed in manufacturing. By 1970, this number had increased to over 2,000,000. The increase was most pronounced in the provinces of Ontario and Quebec, which together accounted for more than half of the total manufacturing employment in Canada.

Province or Territory	1950	1955	1960	1965	1970
Alberta	150	160	170	180	190
British Columbia	200	220	240	260	280
Manitoba	100	110	120	130	140
Ontario	600	650	700	750	800
Quebec	500	550	600	650	700
Saskatchewan	120	130	140	150	160
Atlantic Provinces	100	110	120	130	140
Nunavut	0	0	0	0	0
Total	1,200	1,320	1,440	1,560	1,680

Source: Statistics Canada, Census of Manufacturing Industries, 1970.