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Smelter matte produced at Sudbury and containing about 80 per cent copper-nickel is treated by the International Nickel Company at their plant in Port Colborne, Ontario; this refinery produces electrolytic nickel, nickel oxide, nickel shot, converter copper and anode slimes containing platinum group metals. The International Nickel Company's rolling mill at Huntington, West Virginia, U.S.A., takes both nickel-copper matte and electrolytic nickel cathodes from the Port Colborne refinery for its raw materials, the one for the production of monel metal, the other for special nickel alloys. Washed nickel sulphide is exported from the Port Colborne plant for reduction to metallic nickel by the Carbonyl process in the company's British plant at Clydach, Wales.

Residues and slimes containing precious metals from both the Port Colborne and Clydach plants are sent to the new precious metals refinery operated by the International Nickel Company at Acton, London, England.

Matte produced at the smelter of the Falconbridge Nickel Mines, Ltd., is exported for treatment in the nickel refinery of this company situated at Kristansand, Norway.

Nickel ore reserves in the Sudbury area are very large. The Frood deposit alone possesses outlined ore in excess of 125,000,000 tons and the property is equipped to produce 8,000 tons per day from the lower level higher grade zones.

There appears to be an ever growing utilization of nickel in metallurgical fields; its peculiar and valuable physical properties contribute largely to the successful production of a host of improved metal products included among which are corrosion resisting cast iron, monel metal, stainless steels, nickel coinage, tank cars, caustic soda evaporators, kitchenware, storage batteries and a wide range of nickel-chromium and other non-ferrous alloys. Research laboratories of the International Nickel Company of Canada, Ltd., are established at Bayonne, N.J., and at Birmingham, England.

PRODUCTION IN CANADA AND EXPORTS OF NICKEL, 1929 and 1930.

	1929		1930	
	Quantity	Value	Quantity	Value
		\$		\$
<u>PRODUCTION</u>				
Nickel in matte, ores and speiss exported (a).....	28,172,633	5,071,074	41,959,927	7,552,574
Refined and electrolytic nickel produced.....	70,704,762	18,639,814	57,478,651	15,485,381
Nickel in oxides and salts sold.....	11,398,517	3,404,573	4,330,279	1,417,178
TOTAL.....	110,275,912	27,115,461	103,768,857	24,455,133
<u>EXPORTS</u>				
Nickel, fine.....	68,408,200	17,544,513	43,122,500	11,262,512
Nickel contained in matte....	29,630,700	4,501,389	44,890,400	8,142,794
Nickel oxide.....	11,600,900	3,489,782	3,733,000	1,100,018
TOTAL.....	109,639,800	25,535,684	91,745,900	20,505,324

(a) Nickel in matte and speiss exported valued at 18 cents per pound.

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