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DOMINION BUREAU OF STATISTICS - CANADA

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

Mining, Metallurgical and Chemical Branch

Chief: W. H. Losee, B.Sc.

COBALT, 1930.

Production of cobalt in Canada during 1930 amounted to 694,163 pounds valued at \$1,144,007 as against 929,415 pounds valued at \$1,301,315 in 1929, according to a bulletin containing finally revised data and just issued by the Mining, Metallurgical and Chemical Branch of the Dominion Bureau of Statistics at Ottawa.

This production includes the cobalt content of the various products containing this metal as sold by the Deloro Smelting and Refining Company, Limited, and the cobalt content of ores and residues exported for treatment in foreign smelters; the value is the net amount received by the shippers.

Ores from the Cobalt, South Lorraine and Gowganda areas of Northern Ontario still constitute the source of Canadian cobalt production; the metallurgical plant of the Deloro Smelting and Refining Company continues to treat the greater part of the tonnage shipped from these producing fields.

The results of almost continuous research on cobalt during recent years are apparent in the many growing and diversified uses for this metal; its oxides are utilized as pigments in the manufacture of earthenware, porcelain and enamelware; cobalt salts are employed as driers in the paint and varnish industry, and the alloys show a wide range of usefulness including their efficiency as filaments in radio tubes, motor valves, abrasion resisters, steam turbine blades, cutting tools and other applications, especially where stress resistance under extreme temperature is a necessary factor.

It is interesting to observe that the cobalt ores of the Belgian Congo are now being smelted in Africa to form a cobalt-copper-iron alloy which is shipped to Belgium where it is reduced to metal.

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

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	Pounds	\$	Pounds	\$
<u>PRODUCTION</u> (in terms of metallic cobalt contained in metal and oxides sold and in ores and residues exported).....	929,415	1,801,915	694,163	1,144,007
<u>EXPORTS</u> - cobalt alloys, metallic cobalt, cobalt oxides, cobalt salts and cobalt ore.....	...	1,786,163	...	1,319,870

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