

19.—Quantities and Values of Platinum and Palladium Produced in Canada, 1925-40

NOTE.—Records of the platinum production in Canada go back to 1887, but, prior to 1921, the amounts were comparatively small and the basis of calculation was not comparable with that now used. Figures for 1921-24 will be found at p. 340 of the 1940 Year Book.

Year	Platinum		Palladium ¹		Year	Platinum		Palladium ¹	
	oz. fine	\$	oz. fine	\$		oz. fine	\$	oz. fine	\$
1925.....	8,698	1,028,192	8,288	648,969	1933....	24,786	857,590	31,009	645,043
1926.....	9,521	923,607	10,024	640,178	1934....	116,230	4,490,763	83,932	1,699,228
1927.....	11,228	717,613	11,545	554,190	1935....	105,374	3,445,730	84,772	1,962,937
1928.....	10,532	708,909	13,707	627,833	1936....	131,571	5,320,731	103,671	2,483,075
1929.....	12,519	846,756	17,318	809,289	1937....	139,377	6,752,816	119,829	3,179,782
1930.....	34,024	1,543,261	34,092	895,867	1938....	161,326	5,196,794	130,893	3,677,342
1931.....	44,775	1,596,900	46,918	1,217,717	1939....	148,902	5,222,589	135,402	4,199,622
1932.....	27,343	1,099,393	37,613	901,890	1940....	²	7,761,147 ³	-	-

¹ Includes also rhodium, ruthenium, osmium, and iridium.
² Not published.
³ Preliminary figures; includes palladium and all other metals of the platinum group.

Subsection 8.—Radium and Uranium

The silver-pitchblende deposits at the east end of Great Bear Lake were discovered in 1930. Since that time a modern mining and milling plant has been established at the deposits; extensive improvements in transportation facilities have been introduced over the 1,500-mile route from the railway at Waterways in Alberta down the Mackenzie, up the Great Bear River, and across the lake to the mine; and a plant for the refining of radium and uranium products has been brought into operation at Port Hope, Ont. Silver, copper, cobalt, and lead, as well as radium and uranium, are recovered from the ores. Extensive ore reserves are indicated at the mine and during 1937-38 the capacity of the refining plant at Port Hope was approximately trebled. Canadian production from this source has resulted in a reduction of the world price of radium by about 62 p.c. from 1933 (it was approximately \$22 per milligram in 1937), and of about 37 p.c. in the price of uranium salts over the same period. For some years official production figures were not available for publication, since, because of the limited nature of operations, they would reflect the business of individual companies. At p. 344 of the 1939 Year Book a table that was compiled from various unofficial sources gives the production of radium and of uranium salts for the years 1933 to 1937. Radium and uranium products valued at \$1,121,553 were shipped during 1939. The value of shipments during 1940 will not be published separately.

Subsection 9.—Silver

Although no official statistics of the production of silver were published prior to 1887, the annual reports of the operating companies showed that from 1869 to 1885 about 4,000,000 oz. of silver, with a probable value of \$4,800,000, were produced in the Port Arthur district in Ontario.

The current silver production of Canada is derived chiefly from the silver-lead-zinc ores of British Columbia, the silver-lead ores exported from Yukon, and the nickel-copper ores of Ontario. For many years the famous Cobalt silver camp of Ontario supplied the bulk of Canada's silver but the ore deposits of this district have