



Electric Smelting and Refining; The Extraction and Treatment of Metals by Means of the Electric Current (Paperback)

By Wilhelm Borchers

Rarebooksclub.com, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can usually download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1904 edition. Excerpt: .a distinct tinge of yellow. No tarnish or specks of oxide were visible, and the metal showed no loss whatever when heated to redness in a current of dry hydrogen which had been previously purified by passing over a roll of red-hot iron wire gauze. This proved that the electro-deposited nickel had been entirely metallic in character. German Patent 81,888, Aug. 15, 1894; cf. Zeittkriftl fitr Eltktroclitmie, 1895-6, vol. ii., p. 197. t Zeifchrift fiir anonjaitifche Chemie, 1895, vol. viii. For the production of cobalt, a pure sulphate of cobalt, mixed with ammonium sulphate, was prepared by heating purple cobaltic chloride with sulphuric acid. The aqueous solution of this contained 11 64 grms. of cobalt per litre; and the electrolyte was made up as follows: --100 c.c. cobalt sulphate solution. 30 grms. ammonium sulphate. 30 grms. ammonia (of 0 905 sp. gr.). 500 c.e....



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