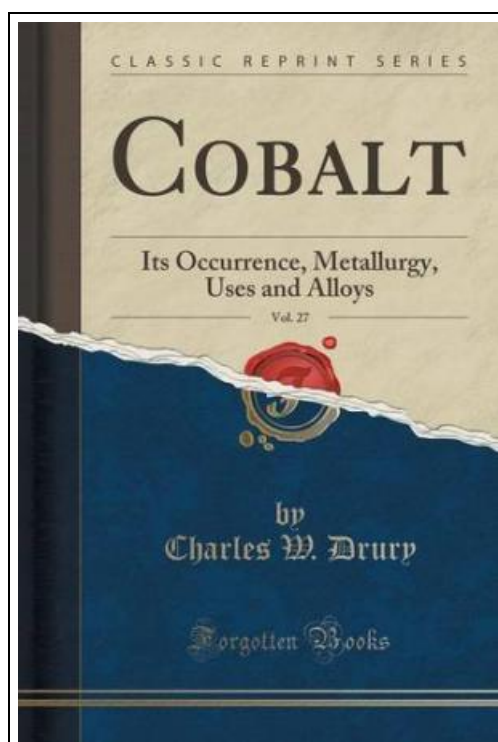


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Reviews

The book is not difficult to read through better to recognize. It really is written in straightforward terms instead of confusing. I am happy to inform you that this is actually the finest publication I actually have read in my individual daily life and may be the best book for possibly.

(Valerie Heaney)

COBALT, VOL. 27: ITS OCCURRENCE, METALLURGY, USES AND ALLOYS (CLASSIC REPRINT)



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Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from Cobalt, Vol. 27: Its Occurrence, Metallurgy, Uses and Alloys Of the present known deposits of cobalt ores there are only five that are either being worked or are suitable for working at present, viz., those of Cobalt, Ont., Missouri, New Caledonia, Belgian Congo, and Schneeberg, Germany. Those of Cobalt are the largest, and the shipping ore and concentrate contains an average of 7 to 10 per cent. of cobalt, 5 per cent. of nickel, 25 per cent. of arsenic and 300 to 1,000 ounces of silver. The higher grade silver ores are associated with calcite in narrow veins. The cobalt and nickel minerals occur chiefly as arsenides. The ores of southeastern Missouri, occurring in the vicinity of Fredericktown, are associated with an entirely different class of minerals, as may be seen from the following approximate composition of the ore: copper, 2 to 3 per cent.; lead, 1.5 to 2.5; cobalt, 0.5 to 0.7, and nickel, 0.7 to 0.9 per cent. Arsenic and silver are not found with the Missouri cobalt ores. The copper and lead occur chiefly as sulphides, and the cobalt and nickel are more closely associated with the copper than the lead minerals. Iron and zinc sulphides are also present. In the New Caledonia deposits, the cobalt occurs chiefly in the oxide form, the ore averaging 3 to 4 per cent, cobalt oxide. Manganese, nickel and iron oxides occur with the cobalt. The association of cobalt with copper in Belgian Congo is of importance. As mentioned again in the report, in 1913 8,064 tons of copper, containing from 2.8 to 3.25 per cent. cobalt, were exported to Germany to be refined electrolytically. As...



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