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A Manual of Metallurgy; More Particularly of the Precious Metals, Including the Methods of Assaying Them (Paperback)

By George Hogarth Makins

Theclassics.Us, 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. 1865 edition. Excerpt: .The ore being heated to bright redness, the galena is thrown in by portions at a time, and constant stirring is kept up, so as to thoroughly mix the ore and galena. This done, 2 cwts. of litharge is next added, in similar manner. This supplies oxygen to the sulphur of the galena, and the whole of the lead, thus being reduced, combines with the platinum metals, but at the same time introduces into the mixture any small portions of silver originally contained in the galena. A little glass is used as a flux during this part of the operation. After standing in the state of fusion for a time, an upper bath will be formed, containing an alloy of lead with platinum, palladium, and silver: the other metals, being unacted upon by the treatment, will, by their superior density, subside to the bottom,...



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