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## Carnegie Scholarship Memoirs Volume 4 (Paperback)

By Iron and Steel Institute

Rarebooksclub.com, United States, 2012. 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 download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1912 Excerpt: .are shown in Figs. 1 and 2, Plate VII. The iron as deposited showed a marked tendency to rust on exposure to the air. For the purpose of the experiments for which it was originally intended the iron was required in the form of thin strips, and since the material as deposited was too weak to be rolled it was necessary first to anneal it. To prevent any contamination of the iron, it was decided to do this in vacuo, and electrically heated glazed porcelain tube furnaces were constructed for the purpose. The construction of these furnaces is described in the appendix. The deposited slabs were annealed at a temperature of 1 This process is the subject of a patent, described in Metallurgie, Nov. 1909, p. 699, about 1000 C. for two or three hours and then slowly cooled, the vacuum being sufficiently high to prevent...



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