



Circular of the Bureau of Standards Volume 100 (Paperback)

By United States Standards

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. 1921 edition. Excerpt: .on the composition. The presence of carbon causes further complications in the properties and behavior of these alloys and will be considered only in connection with the nickel steels of low nickel content. (a) NICKEL STEELS Nickel steel was the fourth alloy steel to be introduced and was first described in some detail by James Riley (530). The general subject of nickel steels is too broad for anything but the merest mention in this place, and references should be consulted for further details. The principal effects of the addition of nickel to steel are the following: (1) Nickel depresses the critical temperature ranges of steel, and according to the degree of such depression we may consider three groups of nickel steels--namely, pearlitic steels, which have normal transformation and heat treatment or critical ranges and 1C. ttl tUU 1JU 140 Fig. 21.-- Structural classification of nickel...



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