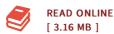




Heat Treatment of Soft and Medium Steels; Theory and Practice of the Preliminary Heat Treatments Designed to Give Maximum Toughness to Steels Used for Machine Parts

By Federico Giolitti

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 242 x 186 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. 1921 Excerpt: .of inclusions in heattreated forging. X 70. Etched with 5 per cent. picric acid in alcohol. Therefore, there are left the effects caused by non-emulsified inclusions upon the behavior of steel when subjected to the ordinary physical tests usually specified. Of these extraordinarily various examples I will give only two. The first is afforded by a medium hard 2-per cent. nickel steel containing non-metallic inclusions of large dimension united in groups which forged down into elongated shapes looking like stripes in the micrograph. Figure 34, enlarged 70 dia. after etching with 5 per cent. alcoholic solution of picric acid, reproduces the appearance of such a group of inclusions taken after a very accurate and efficacious heat treatment has eliminated (by a process which we shall see further on in regard to the emulsified inclusions) the large strip of ferrite which had collected around the group in...



Reviews

The publication is easy in read better to understand. It is writter in basic words and phrases rather than hard to understand. You wont truly feel monotony at anytime of your respective time (that's what catalogues are for about if you question me).

-- Kaya Rippin

Merely no phrases to spell out. I am quite late in start reading this one, but better then never. Your way of life period is going to be enhance once you complete reading this publication.

-- Joanie Hamill I