



## The Case-Hardening of Steel An Illustrated Exposition of the Changes in Structure and Properties Induced in Steels by Cementation and Allied Processes

By Harry Brearley

RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 54 pages. Dimensions: 9.7in. x 7.4in. x 0.1in. 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: . . . boxes are made gas-tight. In comparing the cementing power of two mixtures the results may be entirely contrary if the operation is carried out in an ordinary clay-luted box to what they would be if the operation were carried out as indicated above, or in a large wrought iron gas tube whose ends are closed with perforated screwed caps. Comparative results which have been obtained at one temperature can also not be used to predict the results obtainable at a different temperature, nor does it follow that the relative behaviour of two materials used, say, for six hours at 900 C. will be preserved if the time is extended to twenty hours. These conclusions may be deduced from a study of the two tables on page 97, which show that carburising reagents become exhausted at different temperatures. Similar conclusions are supported by actual cementing observations. Consider,...



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