



Composition and Heat Treatment of Steel (Classic Reprint) (Paperback)

By Edmund Francis Lake

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English Brand New Book ***** Print on Demand *****. Excerpt from Composition and Heat Treatment of Steel In preparing the matter that enters into this book no attempt has been made to go into details on the subjects of the ores, their melting down into iron, or refining the iron in steel making. This part has merely been covered in a general way in order to lead up to and give a better understanding of the effect of the elements present in and added to steels of the various grades and kinds. An attempt has been made to cover all the materials that have been used, either commercially or experimentally, for the purpose of making better steel and improving the standard brands so they will have greater strengths; withstand strains and stresses better; possess a longer wearing surface; have a greater electrical resistance, conductivity, or magnetism; attain a greater hardness, ductility, resiliency, or malleability; be capable of taking larger cuts on other metals or machining them faster; produce a metal that can be easier rolled, hammered, pressed, drawn, forged, welded, or machined into shape; be non-corrosive, or,...



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