Nickel (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: .driving shafts, spindles, bolts, etc., and for casehardened pivot pins, and cam rollers. The high nickel-chromium steels are used in the manufacture of heat-treated gears. The latter compositions are the principal ones used also in the manufacture of both armor plate and of armor-piercing projectiles. The physical Fig. 23.--Mechanical properties of heat-treated low nickel-chromium steel; Society of Automotive Engineers, (Bullens, 516) properties of typical compositions of these steels are given in Figs. 23 and 24 in the heat-treated condition. (c) Nickel Steel For Casehardening.--The principal properties of nickel steel which make it invaluable for casehardening are noted above under (4); in addition there exists the possibility in the case of high nickel steels (nickel, 5 to 7 per cent) of obtaining an air or self-hardening casehardened surface layer together with a tough pearlitic core. Typical compositions used for casehardening are given below: Per cent...

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