



A Study of Aluminum and Its Copper, Zinc and Nickel Alloys, with Special References to Their Single Potentials

By John Arthur Montgomery

Rarebooksclub.com, United States, 2012. 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 download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1919 Excerpt: .up to 33\$ of zinc are used primarily for oasting. Up to 15\$ of zino these alloys are quite malleable. The 15\$ chill cast alloy has an elastic limit of 16,000 pounds per square inch and a tensile strength of 22,330 pounds. Those with higher percentages of zinc are rigid and break sharp. Richards claims that to obtain good Al-Zn alloys a good grade of zinc should be used. A poor grade of zino is often the cause of poor alloys. Richards gives the mechanical values for aluminum of 99 to 99.5\$ purity as tabulated in Table XX. 1. Page 38. 2. J. W. Richards-Iron Age, Aug. 13, 1903. Castings Sheet Wire Elastic limit per square inch 8,600 12,500--25,000 16,000--33,000 14,000--23,000 Table XI Ultimate strength per square inch 14,000-18,000 24,000-40,000 26,000-55,000 28,000-40,000 fo Reduction in area 15 20-30 40-60 30-40 An alloy of two-thirds aluminum and...

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