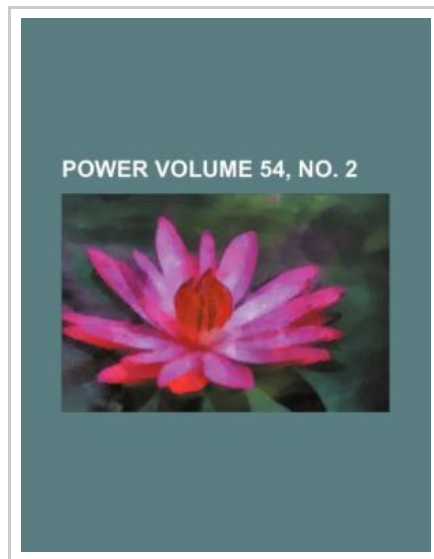




Power Volume 54, No. 2 (Paperback)

By Books Group

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. 1921 Excerpt: .A formula that has been used for some time as fixing the upper limits of speed is as follows: $r = \frac{H}{V_{hp}}$ where H equals head acting on the turbine and h_p equals the maximum horsepower of the turbine. The formula applies to a single runner, and in the case of multi-runner units the maximum horsepower of the unit is to be divided by the number of runners and the horsepower per runner substituted in the formula. There is probably no other feature in the design of a hydro-electric plant that has received more discussion than the question of the unit's speed. There are several contending forces: The electrical engineer desires usually the higher speeds in order to cheapen the cost and frequently increase the efficiency of the generator. On the other hand, the waterwheel designer usually prefers his lower speed for better emergency throughout and,...



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