



Van Nostrand s Engineering Magazine, 1880, Vol. 23 (Classic Reprint) (Paperback)

By Unknown Author

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from Van Nostrand s Engineering Magazine, 1880, Vol. 23 They have only the property of storing a small amount of motive force developed by muscular action, and of releasing it under conditions entirely different from those attending its accumulation. Thus by turning a crank slowly with considerable effort for a short time, we store up a certain amount of work which may be made to run a light machine at high speed against a light resistance, through a comparatively long time. Unfortunately only a small part of the work is utilized, and the labor of winding up the machine is far from being compensated by the useful effect obtained. The amount of work that can be accumulated in a steel spring without passing the limit of elasticity is, of course, limited. It will vary naturally with the quality and size of the spring. Experience shows that when employing the best steel known, converted to the form of a clock spring (which is the most favorable for such a service), the amount of work stored will not...



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