# Text-Book of Mechanics Volume . 4 (Paperback)

By Louis Adolphe Martin

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. 1913 edition. Excerpt: .motions and if the efficiency for reversed motion is zero? Exercise 172. Show that the efficiency of a complex machine equals the product of the efficiencies of its individual parts. Exercise 173. From the result of Ex. 172 show that the efficiency of a machine must decrease with an increase in the number of its parts. Section XLX SCREWS The discussion of screws used for transmitting force or energy involves sliding friction. Square-threaded Screws.--In Fig. 90 assume the p couple, formed by the forces--at a distance / from the 2 axis of the screw, to be on the point of overcoming the useful resistance Q acting along the axis of the screw. Then the only other forces acting upon the screw are the reactions of the nut upon it. These reactions will be distributed over the left-hand helicoidal surfaces of the threads. The forces...

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