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Controllers for Electric Motors; A Treatise on the Modern Industrial Controller, Together with Typical Applications to the Industries (Paperback)

By Henry Duvall James

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: .or a plunger. A given amount of water is pumped for each stroke of the piston or plunger. The total volume of water is therefore proportional to the number of strokes of the pump. These pumps are well adapted for the ordinary reciprocating steam engine. When pumps of this type are driven by an electric motor, it is necessary to gear the motor to a crank shaft in order to convert the rotating motion of the motor into the reciprocating motion of the pump. This type of pump is well adapted for high pressure work but is being largely displaced by the centrifugal pump for ordinary use. When a positive acting pump is connected to a long discharge pipe considerable work is done in accelerating this column of water from rest to the proper velocity. The effect is somewhat similar to a heavy flywheel on the...



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