



## Convention Volume 56

By National Electric Convention

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. 1897 Excerpt: .We may call  $C$  the /one factor of the dynamo. Since  $M$  is the induced volts divided by the revolutions per second, it follows that  $C = \frac{M}{n}$ ; but  $n C e$  is the rate of doing mechanical work; / . c, the work done per second measured in watts, hence  $C M$  is the work done per revolution of the motor at any speed. If, then, we are given  $C$  and  $M$ , we can find the work per second, i. e., the rate of working, or the power, by simply multiplying the product  $C M$  by the revolutions per second. Example 3. If the induction factor of a dynamo is five, and the maximum current one hundred amperes,  $C M = 500$ , and the rate of working at twenty-five revolutions per second is seen at once to be 12.5 kilowatts. Many manufacturing firms have used...



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