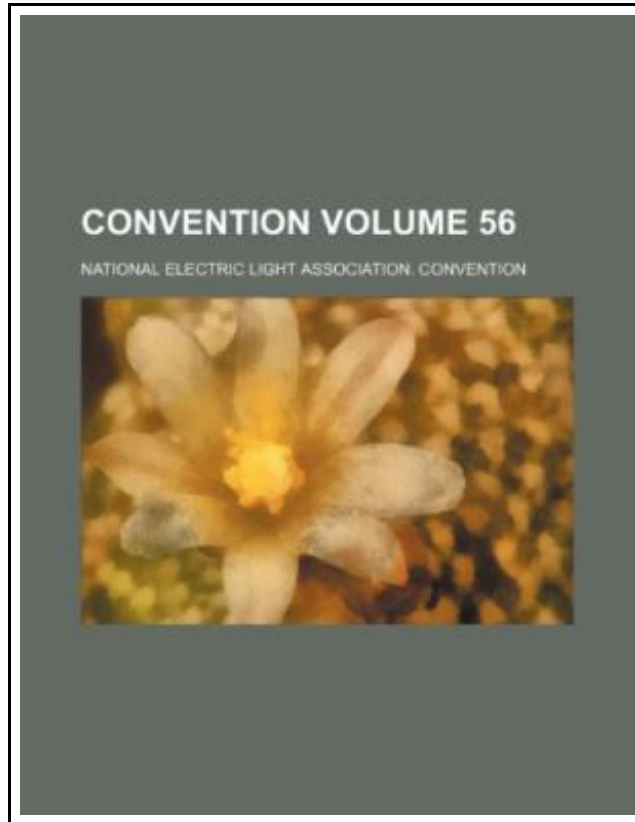


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It is great and fantastic. I actually have read and so i am certain that i am going to going to go through once again yet again in the future. I realized this ebook from my dad and i encouraged this book to find out.

(Dr. Kayden Gerlach)

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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 M/C the /one factor of the dynamo. Since M is the induced volts divided by the revolutions per second, it follows that C/M ;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. c, 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 the ratio of the watts to the revolutions per second as a basis of comparison of dynamos without perceiving its true significance, and have called this ratio the mass factor. The fact seems to have been overlooked that the ratio of the induced volts to the revolutions per second is a constant, so long as the useful lines per pole remain unaltered, being, in fact, what we have termed the induction factor. While the force factor and the so-called mass factor are one and the same thing, the latter is expressed in a way involving the idea of power and,...



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