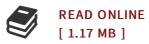# Electricity Experimentally and Practically Applied; A Book for the Beginner and for the Practical Man, Principles, Experiments, Practical Applications and Problems

By Sydney Whitmore Ashe

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. 1910 edition. Excerpt: .be connected to the negative field terminal. Open the switch after the fields have been excited for a time, and note the kick of the voltmeter needle. This induced e. m. f. is due, as previously explained, to the self-induction of the field circuit. The flux of the magnetic field in shrinking to zero cuts the turns of wire composing the field coil and generates in these interlinked wires an electro-motive force, depending for its magnitude upon the time taken for the flux to reach zero and upon the magnitude of the flux. Li V) Fig. 220.--To show Induction of Field Winding. Armature Circuit.--As the armature has a low resistance, it is obviously unwise to connect it directly to a circuit of 116-volt source as in the case of the field circuit without using an external resistance in series with it. Experiment 91....

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Reviews

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