

PREFACE TO THE TWENTY-FIFTH EDITION

IN order to broaden the scope of this work, the author has relaxed the rather rigid rule heretofore adhered to, which called for the trial by himself of every piece of apparatus described in its pages, and has now availed himself of the experience of others. He is therefore able to present to the readers of the twenty-fifth edition, a full explanation of the Polyphase Generator, Induction Motors, and Rotary Transformers, also to give accurate information regarding the construction of modern direct current motors for 110 volts pressure.

A full description of Edison's New Storage Battery is introduced, also some interesting experiments by Prof. John Trowbridge, and some Electrical Measuring Apparatus by N. Monroe Hopkins. Wireless telegraphy is brought up to date, and other recent discoveries are noticed.

The new edition, owing to the great amount of new matter, is published in two volumes. It presents the more recent developments in modern science, and gives information which assists the reader in comprehending the great scientific questions of the day.

GEORGE M. HOPKINS.

New York, June, 1902.

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