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### NEW BOOKS, ETC.

**THE CARE OF A HOUSE.** A Volume of Suggestions. By P. M. Clark. New York: The Macmillan Company. 1903. 16mo. Pp. 283. Price \$1.50.

Considering the importance to happy family life of a comfortable dwelling, and the distress, anxiety, and expense often caused by defects which, if understood in season, might have been easily remedied, the writer has thought that a simple explanation of the structure of a modern house and of the appliances which are attached to it, with descriptions of the disorders to which they are subject, and of the methods of preventing and curing such disorders, might be found widely useful. The book is an admirable one, and should be in the possession of every householder.

**THE ENCYCLOPEDIA AMERICANA.** A General Dictionary of the Arts and Sciences, Literature, History, Biography, etc., of the world, in sixteen volumes. Editor-in-Chief, Frederick Converse Beach. New York and Chicago: The Americana Company. Vols. III. and IV.

We are very much mistaken if, as the successive volumes of this new encyclopedia appear, the subscribers do not fall more and more in love with the work. The third and fourth volumes have all the characteristics of thoroughness, literary excellence in the articles, beauty of print, artistic merit and appropriateness in the illustrations, and special adaptedness to the purposes of American students and writers so favorably noted in the first and second. Original research is evident on almost every page. The editors have found small use for the mere copyist among their contributors. The work breathes of the spirit of to-day, even in its descriptions of things ancient. When it explores the dark corners of the past it is by the aid of the arc light and radium. In no encyclopedia yet produced on this side of the Atlantic, if anywhere, has there been evident so much independence of mere bookmakers' traditions, such a determination to present the actualities in the world's accumulation of knowledge and the conditions of to-day. The illustrations include splendid full-page portraits of Gov. Bliss, of Michigan; Charlotte Bronte, William Cullen Bryant, Robert Burns, Andrew Carnegie, Thomas Carlyle, and others. The various articles on mechanical industries and natural science are accompanied by excellent photographic and other views. Biographical notices of artists are accompanied by fine reproductions of some of their masterpieces. The double-page maps of countries and cities are numerous and modern.—Pioneer Press, St. Paul.

**ELEMENTS OF ELECTROMAGNETIC THEORY.** By S. J. Barnett, Ph.D. New York: The Macmillan Company. 1903. 8vo. Pp. 480. Price \$3.

The author says in his preface that he has tried to present in systematic and definite form a simple, rigorous, thoroughly modern introduction to the fundamental principles of electromagnetic theory, together with some of the simpler of the more interesting and important non-technical applications. The work makes no pretense to completeness, but is written for the serious student of physics, who will make liberal use of more detailed treatises of handbooks and of journals as occasion demands. The subject is largely taken up from a mathematical standpoint.

**SMALL YACHT CONSTRUCTION AND RIGGING.** By Linton Hope. New York: Forest and Stream Publishing Company. 1903. 8vo. Pp. 177. Price \$3.

The author deals with this subject from the keel up, and the detail drawings are most admirable. The book gives precisely the information that inexperienced yacht-builders are sure to desire to know. It is a book that we can commend to all yachtsmen or would-be yachtsmen. There are a number of large-scale plans in a pocket at the back of the book.

**HOMOPHONIC CONVERSATIONS IN ENGLISH, GERMAN, FRENCH, AND ITALIAN.** Being the Natural Aid to the Memory in Learning Those Languages. By C. B. and C. V. Waite. Chicago: C. V. Waite & Co. N. D. 16mo. Pp. 137. Price \$1.

The distinguishing feature of this work is that the principal words of nearly every sentence have a like sound and a like meaning in the four languages, or at least in three of them. It is manifest that this arrangement will be of great service in enabling the learner to remember, not only the words themselves, but the construction of the sentences as well. It is simply applying the principle of association to aid us in learning the languages. Some of the methods therein taught are extensively practised in every-day life, but this work differs from those in that it contains not a single artificial sentence, hence it is called a natural aid to the memory.

**THE AMERICAN STEEL WORKER.** By E. R. Markham. New York: The Derry Collard Company. 1903. 12mo. Pp. 343. Price \$2.50.

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