

same to the child. If he would be master of himself he must learn these relations." Teachers who are convinced that "Manual Training" is a necessity, but who do not know "how to begin," will find these books, which are not at all expensive, a safe and easy guide. The introduction is full of suggestion and does not promise more than the book makes good. The handling of models by the children themselves is insisted on, and making is carried on with a great variety of inexpensive material. No. II., in addition to color, folding, pasting and drawing, proceeds to mechanical drawing, clay-modelling and wood-carving. A careful study of this work will convince our earnest teachers that manual training is not of necessity, cumbrous or expensive, or beyond their ability. We commend it heartily as a valuable contribution to the cause of education and as meeting the requirements of those who demand more practical results from our common school work.

A set of drawing books accompany this course, but these two numbers may be used independently and will be found to cover special ground. We shall call attention to following numbers as they appear.

HAND-BOOK OF MUSIC LESSONS, by W. S. Tilden. Publishers, Ginn & Co., Boston. This is a cheap and excellent little work of patterns and directions for teaching pupils of the first year grade. It consists of thirty-eight consecutive steps, the purpose of which is to train the voice and introduce the pupil to a few of the most common musical characters.

CHILDHOOD'S POETRY AND STUDIES IN LIFE, FORM AND COLORS OF NATURE. Emma Marwedel, D. C. Heath & Co., Boston. This book with its charts of form and color, has been favorably endorsed by the "N. A. Froebel Institute," and is an apt illustration of the ability of Froebel's disciples to work out germinal truths, left undeveloped but distinctly suggested, to logical results. Any one who will study the 42 pages will find them full of interest and very helpful in teaching color and the drawing of circular forms. Chart III. in four divisions present shades of colors, analysis of colors, blending of colors and complementary colors. We should like to see this artistic presentation of color not only in the kindergarten but in the nursery and schoolroom. "Sensibility to color is a fair test of art intellect," says Ruskin, and "the man who can see all the greys and reds and purples in a peach, will paint the peach rightly round and rightly altogether."

NOS ENFANTS ET LEURS AMIS, with notes, vocabulary and exercises: published by MacMillan & Co., London and New York. This is one of a primary series of French and German readers, edited by Eugene Fasnacht. There are seven short and interesting stories in this volume, with notes and vocabulary for the translator.

THE EXPERIMENTAL FARMS OF CANADA, being an appendix to the report of the Minister of Agriculture for 1888. This blue book is one of special interest to all interested in the development of agriculture in its widest sense. We have here combined the reports of the Director, Professor

Saunders; of the Chemist, Mr. Shutt; of the Entomologist and Botanist, Mr. James Fletcher; of the Horticulturist, Mr. Hilborn; of the Poultry Manager, Mr. Gilbert; of the Experimental Farms of Nova Scotia, by Mr. Blair; of the North West Territories at Indian Hood, by Mr. MacKay; of Manitoba, at Brandon, by Mr. Bedford. The reports of the Director and the Entomologist will be specially interesting to the scientist as well as to the agriculturist.

GUIDES FOR SCIENCE TEACHING, No. XV., published by D. C. Heath & Co., Boston. This number, containing thirty-six Observation Lessons on Common Minerals, by Henry L. Clapp, of Boston, is admirably adapted for those who would teach successfully the subject of Common Minerals. They are practical, and any teacher who studies this book carefully should arouse a deep interest in classes on this subject.

PUBLICATIONS RECEIVED.

The *Popular Science Monthly* for July contains replies to Huxley, by Rev. Dr. Henry Wace and the Bishop of Peterborough, an illustrated article on Microscopic Fungi, by Prof. McBride. But we cannot specify excellence where all is so good. The *Forum* for July treats of the "Scholar in American Life," by Bishop Potter. "Anti-Darwinian Fallacies," by Romaine. "The Attitude of the French Canadians," by Beaugrand. "Date Theories Concerning Fener," by Dr. Flint. "Organizations of the Discontented," by Hinton. "Domestic Service," by Jennie C. Croly. "The Better Side of Anglo-mania," by Rev. H. Pierce. The *American Naturalist* for February has the usual staple scientific articles, with a remarkably full assortment of notes in the various departments of natural history. *Wide Awake* for July is true to its name. It will keep the old as well as the young quite wide awake until it is all "gone through." *St. Nicholas* for July is good. Among the many the note "How a Battle is Sketched," by Theodore Davis. "Among the Florida Keys," by Holder. "A Narrow Escape," by Planz, etc., etc. The *Microscope* is well filled with general articles and news of microscopic interest just what the microscopist needs. *Garden and Forest* is as new and as fresh from issue to issue as the landscape of a travelling botanist. The *Scientific American* has no superior in successfully popularizing things scientific. *Le Français*, a monthly review of French, grammar and literature, is published at 21 University Place, New York. It is now in its ninth year, and costs only \$2.00 per annum. The *Building News*, published in New York, No. 2 Spruce Street, at \$1.00 per year, is now in its fourth year. The *Century* of June has a description of the "Convict Mines of Kora," by Kennan. "The Bloodhound," "Early Heroes of Ireland," "Italian Old Masters," "Bird Music," "The Relations of the United States and Canada," "Can the Emperor Forget," "An American Amateur Astronomer," etc., etc., on its list of contents. The *Teacher* (N. Y. City); The *Manitoba Colonist* (Winnipeg, J. A. Curman, publisher); *Waterman's Journal*, Boston, Mass.); The *Pennsylvania School*, (Williamsport, Pa.).