

There is a good index, but the omission of references to original articles is a serious defect.

F. H. THORP.

THE DYEING OF WOOLLEN FABRICS. BY FRANKLIN BEECH. London: Scott, Greenwood & Co. New York: D. Van Nostrand Co. 1902. viii + 223 pp. Price, \$3.50 net.

In the author's words the book is intended "to supply the dyer of woollen fabrics with a conveniently arranged handbook." Being designed for the use of practical dyers, it is liberally supplied with recipes applicable to special cases; these directions are frequently brief but sufficiently full to be understood by any one acquainted with the work of the dye-house. All reference to the composition and properties of the various dyes, mordants, etc., has been omitted as foreign to the purpose of the book. Chapter IV on the principles and practice of wool dyeing, the most important section of the book, contains a lucid account of the various methods of dyeing woolens, though written somewhat after the cook-book style; the chapters on the dyeing of union fabrics, and of gloria, also contain much valuable information; the numerous recipes comprise, altogether, nearly 80 pages of the book. The teacher of textile coloring may also gain some useful hints from a perusal of these pages.

Typographic errors are few, but on page 4 we find *photoplasmic* and also an obscure sentence concerning the amount of curl in wool; on page 27 appears *covered* for recovered; the cut on page 55 is inverted.

The style is simple and clear and the absence of theoretical discussions will cause the book to find favor with many to whom such material has little attraction.

F. H. THORP.

PRINCIPLES OF DYEING. BY G. S. FRAPS, PH.D. New York: The Macmillan Co. 12mo. 270 pp. Price, \$1.60.

This little book sets out to give a systematic presentation of the principles underlying the art of dyeing, illustrated and emphasized by laboratory exercises. The plan of study is to take one or two typical members of each of five main classes of colors and study them with reference to their action toward the different fibers. The groups of textile fibers are next taken up and their physical and chemical characters and behavior under differing conditions noted. The operations of bleaching, scouring and dyeing are then explained in their main outlines. The groups of dye