

on Botany published on this side of the Atlantic, which deals wholly with Histology and Physiology. Until the present time, we have been obliged to depend almost wholly upon reprints from the German for text-books of this subject; but it is to be hoped that the issue of this volume is an indication of a future change in this direction.

In its general appearance the book is very creditable, and a decided improvement upon the usual make up of text-books. The paper and letter-press are excellent, while the figures, of which the publishers have given the author a fairly liberal allowance, are fresh—an evident effort having been made to avoid stereotyped illustrations—and in most cases admirably well executed. The references to the literature of the various subjects treated, are fairly full, and will be found a most valuable aid to the student, as also will the large amount of matter embodied in the footnotes, explanatory of the text. The student is also provided, at the end of the volume, with a large number of suggestions as to the apparatus and material required in histological studies, and also an outline of work which may be taken up. Valuable as such suggestions are, the student must outline his own course to a very large extent, using the work here given as a basis, since he will otherwise find it a physical impossibility to accomplish all that would seem desirable.

The author has endeavored, with success, to leave no element of structure or physiological fact without discussion, while his entire treatment of the subject will commend itself to teachers generally, as clear and logical; although in more than one instance there appears to be a lack in fulness of treatment which would be highly desirable, but which would hardly be practicable in a book designed for an ordinary course of instruction. In some instances, however, this becomes a fault, since the compression is carried to such an extent as to give the student a very inadequate impression of the subject discussed. Thus, at page 64, collenchyma is dismissed with great brevity, without the reader's being given a proper conception of the structure of that tissue, nor is he assisted at all by the figure (44), which is by no means a typical example. Such, how-