

NEW BOOKS.

The Utilization of Wood Waste by Distillation. By WALTER B. HARPER. New York: D. Van Nostrand Co. 1907. pp. 156, ills. 74. Price, \$3.00.

This is a very full description of the various forms of apparatus which have been devised for the destructive distillation of wood, more especially of resinous woods.

After some general discussion of the principles and apparatus involved the author takes up processes in which steam is employed for extracting the turpentine, then those combining steam and destructive distillation, and lastly destructive distillation. Several pages are devoted to rotary and special processes. Chapters follow on refining processes, composition and properties of the products of distillation, chemical control, etc. Illustrations are given of most of the apparatus described.

E. G. LOVE.

Hand-Book of American Gas Engineering Practice. By M. NISBET-LATTA. New York: D. Van Nostrand Co. 1907. 8vo. pp. 466. Price, \$4.50.

This is a combination of descriptive matter and an engineer's pocket-book. Part 1 discusses the manufacture of water-gas from the generator to the holder. The author confines himself to the Lowe process, although he promises to take up other methods of gas manufacture in later editions. Part 2 has to do with the distribution of gas, including mains, services, meters, etc.; while Part 3, which occupies nearly one half of the volume, is given to general technical data, properties of gases, steam, etc.

The book is a clear and concise statement of facts, and the numerous tables cover about every point relevant to the subject. It will be of especial service to the student and young engineer. It is well printed and is liberally illustrated.

E. G. LOVE.

Typhoid Fever—Its Causation, Transmission and Prevention. By G. C. WHIPPLE. New York: John Wiley and Sons. xxxvi+407 pages with 50 figures. Price, \$3.

If any criticism can be made of this excellent book it must be directed towards the wording of the title. "Typhoid Fever" catches the eye of the physician, while other possible purchasers are likely to classify the publication as one of strictly medical interest and therefore ignorantly pass it by. In point of fact its field of usefulness is very broad and it will be found exceedingly valuable not only to the physician, engineer and sanitarian, but to the general public as well. It is most necessary that each householder should be prepared to protect his home against the insidious attacks of typhoid fever, and Mr. Whipple has supplied the lay reader with just the information he needs to aid him in accomplishing such an end. For professional men, the book is of great value. It should have a wide sale.

W. P. MASON.