

fortunate topic illustrative of that subject had been chosen. It can hardly be taken seriously as an elucidation of the facts pertaining to water softening, except in those parts where elaborate quotations (Thirteen pages) are made from Handy, Cairns, Fresenius, Kennicott, Campbell, etc.

S. W. PARR.

WATER FILTRATION AND ITS RELATION TO MUNICIPAL HEALTH AND PROSPERITY.

F. B. LEOPOLD. 29 pp. Pittsburgh Filter Mfg. Co.

This pamphlet well illustrates the quotation made in the introduction that "It is better to fence the precipice at the top than wait with an ambulance at the bottom." A brief review of the principal typhoid epidemics is given. Plymouth, Pa., Grand Forks, N. D., Ithaca, N. Y., Butler, Pa., and Columbus, O., together with very convincing evidence as to the efficiency of properly devised and conducted filtration plants. The increasing necessity for safe-guarding water supplies makes this brief discussion timely and valuable.

S. W. PARR.

RECENT PUBLICATIONS.

ARRHENIUS, SVANTE. THEORIES OF CHEMISTRY, being Lectures delivered at the University of California. Edited by T. Slater Price, London: Longmans, Green & Co. 1907. 203 p. 8vo. 5s. 6d.

BERSCH, J. DIE ESSIGFABRIKATION. 5, erweit. Auflage. Wein; 1907. gr. 8. 227 ss. M. 3.

BUTTERFIELD, W. J. A. CHEMISTRY OF GAS MANUFACTURE. 24th edition. Vol. I. London; 1907. 8vo. 278 p. 8s.

CORBIN, H. E. AND STEWART, A. M. HANDBOOK OF PHYSICS AND CHEMISTRY. 3rd edition. London; 1907. 7s.

FRITSCH, J. FABRICATION DES COLLES ET GÉLATINES. Paris; 1907. M. 3.

GEORGIEVICS, G. V. LEHRBUCH DER FARBENCHEMIE 3, Auflage. Wein; 1907. gr. 8. 414 ss. M. 10.

HERRICK, R. F. DENATURED OR INDUSTRIAL ALCOHOL. New York; J. Wiley & Son. 1907. 8vo. 512 p. \$4.00.

HOWE, JAS. LEWIS. INORGANIC CHEMISTRY FOR SCHOOLS AND COLLEGES. A second edition of "Inorganic Chemistry According to the Periodic Law," by F. P. Venable and J. L. Howe. Easton, Pa.; The Chemical Publishing Co., 1907. 8vo. 409 p. \$3.00.

KAUFFMANN, H. ANORGANISCHE CHEMIE. Volkshochschulvorträge. Stuttgart; 1907. gr. 8. 179 ss. M. 3.60.

KÖTHNER, P. AUS DER CHEMIE DES UNGREIFBAREN. Ein Blick in die Werkstätten moderner Forschung. Osterwieck; 1907. gr. 8. 145 ss. M. 2.

KRATZER, H. WASSERGLAS UND INFUSORIENERDE, deren Natur und Bedeutung für Industrie, Technik, und Gewerbe. 2, Auflage, neubearbeitet von L. E. Andés. Wein; 1907. gr. 8. 215 ss. M. 3.

LADENBURG, A. VORTRÄGE ÜBER DIE ENTWICKLUNGSGESCHICHTE DER CHEMIE VON LAVOISIER BIS ZUR GEGENWART. 4, vermehrte Auflage. Braunschweig; 1907. gr. 8. 417 ss. M. 12.

MEYER, T. DIE FABRIKATION VON SULFAT UND SALZSAURE. Halle; 1907. gr. 8. M. 3.40.

