

point; but this fried-onion and burnt-feather business has now gone out of practice, notwithstanding what is said about it in this treatise.

One of the chief authorities quoted is Violette. Now Violette worked about half a century ago, and if he ever knew anything about practical varnish-making, which is doubtful, his book is out of date; and this is the general verdict to be passed on this book. It is misleading to the student, and of no value to the varnish-maker.

A. H. SABIN.

BOOKS RECEIVED.

The Manufacture of Varnishes. Oil crushing, refining, and boiling, and kindred industries; describing the manufacture and chemical and physical properties of spirit varnishes and oil varnishes; raw materials; resin; solvents and colouring principles; drying oils, their extraction, properties, and applications; oil refining and boiling; the manufacture, employment, and testing of various varnishes. Translated from the French of Ach Livache, Ingenieur civil des mines. Greatly extended and adapted to English practice with numerous original recipes by John Geddes McIntosh. London: Scott, Greenwood & Co.; New York: D. Van Nostrand Co. 1899. vii + 403 pp. Price, \$5.00.

Commercial Fertilizers. By J. H. Stewart and B. H. Hite.—Bulletins Nos. 63 and 65. Sugar Beet Investigations in 1899. By J. H. Stewart and B. H. Hite.—Bulletin No 64. West Virginia Agricultural Experiment Station, Morgantown, W. Va. 82 pp.

Field Testing for Gold and Silver. A Practical Manual for Prospectors and Miners. By W. Hamilton Merritt. London: Crosby & Lockwood. New York: D. Van Nostrand Co. 16 mo. x + 144 pp. Illustrated. Price, \$1.50.

Charbon (Anthrax). Further investigations and suggestions, with summary and conclusions. Second series No. 60, Bulletin of the Agricultural Experiment Station of the Louisiana State University and A. & M. College, Baton Rouge, La. 28 pp.

Bulletin No. 57.—The Smuts of Illinois' Agricultural Plants. 72 pp. Bulletin No. 58.—Composition and Digestibility of Corn-fodder and Corn Stover. 10 pp. Bulletin No. 59.—Orchard Management. University of Illinois Agricultural Experiment Station, Urbana, Ill. 26 pp.

Gardening under Glass. Bulletin No. 170. The North Carolina College of Agriculture and Mechanic Arts, Agricultural Experiment Station, West Raleigh, N. C. 24 pp.

Proceedings of the Twenty-fourth Annual Meeting of the Pharmaceutical Association of the State of South Carolina, held in Charleston, S. C., May 17, 1900. 30 pp.

The Chemistry of the Metals. By J. H. Kastle, Lexington. 1900. vi + 198 pp. 8vo.

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An Outline of the Theory of Thermodynamics. By Edgar Buckingham, Ph.D. (Leipzig). New York: The Macmillan Co. 1900. xi + 205 pp. Price, \$1.90.

L'Eau dans l'Industrie. Par H de la Coux. Paris: Vve Ch. Duden, Éditeur. 1900. 496 pp. Price, 15 francs.

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Essentials of Medical and Clinical Chemistry, with Laboratory Exercises. By Samuel E. Woody, A.M., M.D. Fourth edition, revised and enlarged. Philadelphia: P. Blakiston's Son & Co. 1900. viii + 243 pp.

An Ephemeris of Materia Medica, Pharmacy, Therapeutics, and Collateral Information. July, 1900. On Acetic Acid as a Substitute for Alcohol in Extracting the Active Principles of Some Official Drugs. By Edward R. Squibb, M.D. 10 pp.

Corn Culture in North Carolina.—Bulletin No. 171. The North Carolina College of Agriculture and Mechanic Arts, West Raleigh, N. C. May, 1900. 20 pp.

Twenty-third Annual Report of the Connecticut Agricultural Experiment Station for 1899. Part III.—Papers on availability of Nitrogen, fertilizers for forcing-houses, insect notes, on tobacco diseases and remedies, fertilization of melons, notes on Fungi, tobacco experiments, and vegetable proteids. New Haven, Conn. 1900. viii + 195 pp.

(1) H. R. 11350. A BILL to establish the National Standardizing Bureau. (2) Document No. 625, Letter from the Secretary of the Treasury, transmitting, with accompanying communications, a draft of a bill for the establishment of a National Standardizing Bureau. (3) Hearing before the committee on coinage, weights, and measures, House of Representatives, May 3, 1900. Superintendent of Document Room, House of Representatives, Washington, D. C.