

facture of explosive materials, it is obviously impossible to give any lengthy descriptions of processes of manufacture in 145 small pages of a pocket volume, such as this is, yet the author has contrived to put a very large amount of reliable information between its covers, and his descriptions, though brief, are clear and accurate. It is greatly to be regretted that the publishers have not done their part as well as the author has done his, and that the volume should be marred by typographical errors while its general make-up is quite unattractive. Nevertheless the book may be recommended as a useful one to keep at hand as a ready reference work on this important subject.

CHARLES E. MUNROE.

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### BOOKS RECEIVED.

Commercial Organic Analysis. By Alfred H. Allen. Vol. I. Introduction, Alcohols, Neutral Alcoholic Derivatives, Sugars, Starch, and its Isomers, Vegetable Acids, etc. Philadelphia: P. Blakiston's Son & Co. 1898. xii + 557 pp. Price \$4.50.

A Text-book of Elementary Analytical Chemistry, Qualitative and Volumetric. By John H. Long, M.S., Sc.D. Chicago: E. H. Colegrove. 1898. viii + 278 pp. Price \$1.50.

The Discharge of Electricity through Gases. Lectures delivered on the occasion of the sesquicentennial celebration of Princeton University by J. J. Thomson, Professor of the University of Cambridge. New York: Charles Scribner's Sons. 1898. x + 203 pp. Price \$1.00.

The Characters and Methods of Assay of the Official Hypophosphites and a Note on the Mydiatic Alkaloids. By H. A. D. Jowett, D. Sc. The Wellcome Research Laboratories, Snow Hill, London, E. C., England. 20 pp.

Cultivation of Tobacco in Sumatra. By Emile Mulder. U. S. Department of Agriculture, Washington, D. C. 39 pp.

Report on an Investigation of Analytical Methods for Distinguishing between the Nitrogen of Proteids and that of the Simpler Amids or Amido-Acids. By J. W. Mallet. With a chapter on the Separation of Flesh Bases from Proteid Matters by Means of Bromine. By H. W. Wiley. Bulletin No. 54. U. S. Department of Agriculture, Division of Chemistry, Washington, D. C. 1898. 30 pp.

Ores of Nova Scotia. Gold, Lead, and Copper. By E. Gilpin, Jr., M.A., LL.D., F.R.S.C., etc. Halifax, N. S.: Commissioner of Public Works and Mines. 1898. 46 pp.