

"The Hon. Samuel E. Winslow of Massachusetts is chairman of the committee to which the bill has been referred."

TAX ON PERFUMERY AND OTHER TOILET ARTICLES.

The paragraph of the Senate tax measure relating to perfumes, cosmetics and toilet preparations has been adopted with amendments eliminating the tax on tooth and mouth washes, dentifrices and tooth pastes and toilet powders other than soap powders. As amended the paragraph reads: Perfumes, essences, extracts, toilet waters, cosmetics, hair oils, powders, hair dressings, hair restoratives, hair dyes, aromatic cachous or any similar substance, article or preparation by whatsoever name known or distinguished, any of the above which are used or applied or intended to be used or applied for toilet purposes except tooth and mouth washes, dentifrices, tooth pastes, toilet powders, 4 per cent.

WADSWORTH-CALDER AMENDMENT.

Senator Wadsworth, explaining that it was not intended to impose a double tax on wines and medicines, has moved to change that part of the amendment to read as follows:

Sec. 601. That upon all vinous liquors, including such vinous liquors as are used in those medicinal preparations which are authorized to be manufactured under the regulations of the Treasury Department pursuant to

the national prohibition act, and which liquors are or have been produced in or imported into the United States, there shall be levied, collected and paid, when sold or removed for consumption, in lieu of the revenue taxes now imposed thereon by law, a tax of \$1.20 per wine gallon, *less the amount of any internal revenue taxes previously paid thereon.*

After all the discussion on alcohol taxation the tax will not be changed. It may safely be stated that this result is due to the active interest of druggists.

RETAILER NOT LIABLE AS WHOLE-SALER IN DIRECT SHIPMENT ON DOCTOR'S ORDER.

If a physician issues an official narcotic order to a wholesale dealer or manufacturer who sends the narcotic desired direct to the physician and makes collection for the same through a retail dealer such retail dealer does not incur liability to tax as a wholesale dealer on account of making such collection, it, of course, being understood that the retailer does not issue or receive any official narcotic order or secure possession or control of the narcotic at any time in acting solely as a collection agency for the wholesale dealer or manufacturer.

If the shipments are made for account of the retailer, that is, the title to the narcotics is vested in the retailer, then the latter is liable as wholesaler.

BOOK NOTICES AND REVIEWS.

Die Gewürze, ihre Herkunft, Geschichte und Verwendung, ihre morphologischen und chemischen Eigenschaften, ihre Handelssorten und ihre Verfälschungen. gr. Octavo, 60 pp., mit 19 Abbildungen im Text und einem ausführlichen Sachregister, von Dr. Ernst Küster, a. o. Prof. der Botanik in Bonn. M. 7.50 Leipzig, Akademische Verlagsgesellschaft m. b. H.

This is a reprint of the chapter on spices in the classic work "Lebensmittelgewerbe" (Food Industry), edited by the late Professor Karl von Buchka, Director of the Government Technical Laboratories in Berlin and compiled by experts in their respective field.

The monograph is divided into two parts, General and Special. The first classifies the spices as parts of plants, presents a chapter on chemical and microscopical analysis and ends with a very complete bibliography. The Special Part treats the following 10 spices: pepper, paprika, mustard, cloves, allspice,

ginger, nutmeg and mace, cinnamon, vanilla and saffron. How thoroughly this is done can be seen from the arrangement: Botanical Origin, History, Morphology, Microscopy, Chemistry, Commercial Varieties, Adulterants and Substitutes. A very complete double column index of six pages concludes this excellent monograph, which we can heartily recommend.

OTTO RAUBENHEIMER, PH.M.

Elemente der Physikalischen und Chemischen Krystallographie von Paul Groth. Octavo, 363 pp. mit 4 Tafeln, 962 Textfiguren und 25 Stereoskopbildern, gebunden. M. 90. München, R. Oldenbourg, 1921.

Crystallography first attracted attention in connection with mineralogy, but now has obtained an important place in both physics and chemistry. The early crystallographers treated the subject merely from the standpoint of mineralogists, examining the external

appearance of minerals and the optical and other properties, and they correctly assumed that the external shape and the internal structure were closely allied. The application of their observation to the more perfect crystals of substances of more definite composition as produced in the laboratory has extended the scope of crystallography into the field of molecular physics and of stereo-chemistry.

The author deserves credit of treating the subject in the above work from two stand-points, both physical and chemical. As early as 1870 has he done research work on the science and published a book in 1876, "Physikalische Krystallographie." In its fifth edition now before us the work also includes the chemical aspect and presents a complete treatise on crystallography, a masterwork of its kind.

The divisions of the book are: Physical Crystallography, General and Special Part, Chemical Crystallography and Directions for the Determination of Crystals. The physical part gives full descriptions of the different systems, together with examples. How thoroughly this is done can be seen from the fact that this part contains 946 illustrations. The chemical part contains chapters on chemical and crystallographic symmetry, morphotropy, isomorphy and polymorphy. The analytical part fully illustrates the different instruments, as microscope, refractometer, konoscope and goniometer. The 4 plates, two of which are in colors, and the 25 stereoscope projections, are works of art and help to illustrate and clarify the text.

As stated before, the book is a real masterwork on this comparatively new science.

OTTO RAUBENHEIMER, PH.M.

NEW PUBLICATIONS.

Thermodynamics and Chemistry. By Frank H. MacDougall. 391 pp. Price, \$5.50 net. John Wiley & Sons, Inc., New York.

Chemical Reactions and Their Equations. By Ingo W. D. Hackh. 138 pp. Price, \$1.75 net. P. Blakiston's Son & Co., Philadelphia.

Practical Biological Chemistry. By G. and Thomas P. Bertrand. *Guide Pour Les Manipulations de Chimie Biologique.* Translated from the *Third Edition* by Hector A. Colwell. 61 illustrations. 5½ x 8½, cloth. 380 pp. New York, 1921. Price, \$3.75.

Organic Medicinal Chemicals (Synthetic and Natural). By M. Barrowcliff and H.

Carr. 25 illustrations. 5½ x 8½, cloth. 344 pp. London, 1921. (Industrial Chemistry Series.) Price, \$4.00

Dictionary of Applied Chemistry. By Sir Edward Thorpe. Revised and enlarged edition. Illustrated. Vol. I. 951 pp. Price, \$20.00. Vol. II. 717 pp. Price, \$20.00. Longmans, Green & Co., New York.

Microbiology: Laboratory Manual in General Microbiology. Prepared by Laboratory of Bacteriology and Hygiene, Michigan Agricultural College. 2d edition. 472 pp. Illustrated. Price, \$3.50. John Wiley & Sons, Inc., New York.

The Microscope. An Introduction to Microscopic Methods and to Histology. By Simon Henry Gage. 13th ed. 472 pp. 250 illustrations. The Comstock Publishing Co., Ithaca, N. Y.

Poisons: Their Effects and Detection. By Alexander W. Blyth and Meredith W. Blyth. 5th edition, revised, enlarged, and rewritten. 779 pp. Illustrated. Price, \$12.00. D. Van Nostrand Co., New York.

Chemistry of Plant Life. By Roscoe W. Thatcher. 268 pp. Price, \$3.00. McGraw-Hill Book Co., Inc., New York.

Stoichiometry: The Calculations of Analytical Chemistry. By Edmund H. Miller. 3rd edition, revised. 201 pp. Price, \$2.00. The Macmillan Co., New York.

American Chemistry: A Record of Achievements the Basis for Future Progress. By Harrison Hale. 215 pp. 63 Illustrations. Price, \$2.00. D. Van Nostrand Co., New York.

Organic Compounds of Mercury. By Frank C. Whitmore. American Chemical Society Monograph Series. 397 pp. Price, \$4.50. Chemical Catalog Co., Inc., New York.

Textbook of Inorganic Chemistry for Colleges. By James F. Norris. International Chemical Series. 677 pp. 43 Illustrations. Price, \$3.50. McGraw-Hill Book Co., Inc., New York.

Volumetric Analysis for Students of Pharmaceutical and General Chemistry. By Charles H. Hampshire, B.Sc. (London), F.I.C. Third edition, 124 pages, illustrations, 12mo. Philadelphia, P. Blakiston's Son & Company, 1921. Price, \$1.75 net.

A Course in Qualitative Chemical Analysis of Inorganic Substances. By Olin Freeman Tower, Ph.D., Adelbert College. Fourth edition, revised, 8vo, xv + 90 pages. Philadelphia, P. Blakiston's Son & Co. \$1.50 net.