every way entitled to the confidence of the profession as a work of reference on this very important and interesting subject.

S. A.

ART. XLI.—*A Treatise on Human Physiology; designed for the Use of Students and Practitioners of Medicine.* By JOHN C. DALTON, M.D., Professor of Physiology and Hygiene in the College of Physicians and Surgeons, New York, etc. Fifth Edition, revised and enlarged. With two hundred and eighty-four illustrations. Philadelphia: Henry C. Lea, 1871.

This work is so well and favourably known that commendation of it at this time would be superfluous. The fact of its having passed to a fifth edition is a positive proof of the high appreciation in which it is held by the profession.

The numerous additions in the present edition bear evidence of the careful revision it has undergone. In the chapter on the Formation of Sugar in the Liver we find given the results¹ of Dr. Dalton's recent researches on this subject, with a description of his experiments. In the chapter on the Circulation, there is introduced a description of Marey's sphygmograph and its tracings in health, and of Chauveau's experiments on the rapidity of the arterial circulation and the results thereby obtained, with some remarks on local variations in the capillary circulation. In the chapter on Excretion the results of Dr. Austin Flint, Jr.'s, recent investigations² on the effect of bodily activity on the excretion of urea are noticed. An addition on the origin, termination, and physiological properties of nervous filaments is made to the chapter on the General Structure and Functions of the Nervous System. These, with numerous minor additions, increase the size of the volume upwards of thirty pages.

We venture to express our regret that Dr. Dalton has not made his treatise a complete exposition of Human Physiology, but the well-merited success with which the work has met shows, perhaps, the wisdom of confining it to its present scope.

I. M. H.

ART. XLII.—*Practical Therapeutics; considered chiefly with reference to Articles of the Materia Medica.* By EDWARD JOHN WARING, M.D., F.L.S., Surgeon (Retired) in Her Majesty's Indian Army. Second American from the Third London Edition. 8vo. pp. 765. Philadelphia: Lindsay & Blakiston, 1871.

THE advance which therapeutics has made within the last few years has necessitated a complete revision of this work, and in order that the student should not be bewildered by conflicting opinions, Mr. Waring has rewritten much of the book, and substituted for many of the old and uncertain views as regards the mode of action and therapeutic value of a number of the articles of the materia medica the more positive results of recent investigations. He has introduced notices of those medicines which have come into use since the pub-

¹ Amer. Journ. of Med. Sci., Oct. 1871, p. 580.

² See current No. of this Journal, p. 163.