ART. XVIII.—*Principles of Human Physiology, with their Chief Applications to Psychology, Pathology, Therapeutics, Hygiene, and Forensic Medicine.* By W. B. CARPENTER, M.D., F.R.S., F.G.S., Examiner in Physiology and Comparative Anatomy in the University of London, &c. &c. Fifth American from the Fourth and enlarged London Edition. With three hundred and fourteen Illustrations. Edited, with additions, by FRANCIS GURNEY SMITH, M.D., Prof. of the Institutes of Medicine in the Medical Department of Pennsylvania College, &c. Philadelphia: Blanchard & Lea, 1853: 8vo. pp. 1091.

THIS volume reached us at so late a period, that we have been unable to prepare a full notice of it for our present number, and must, therefore, postpone to a future occasion an examination of its particular merits. We may now state, however, that the present edition has been entirely remodelled, so that in reality it may be considered as a new work.

The principle which the author has adopted throughout "has been that of making the Treatise express his present convictions and opinions, as completely as if it had now been for the first time put forth; the old materials having been incorporated with the new, rather than the new with the old; and having only been employed, where they could be readily made subservient to this purpose. In making his selection from the vast mass of results which have been recently accumulated by the diligent labours of physiologists of various countries, the author has been guided by the principle which he expressed in the preface to his previous edition;—that, namely, of not rashly introducing changes inconsistent with usually received views;—nor, on the other hand, showing an unwillingness to reject the statements of those who have taken adequate pains to arrive at accurate conclusions. 'He trusts that he may be found'—*now as then*—'to have exercised a sound discretion, both as to what he has admitted, and what he has rejected; and that his work will appear to exhibit, on the whole, a faithful reflection of the present aspect of Physiological Science.'

To untiring industry in making himself acquainted with the experiments and observations of other physiologists and a sound appreciation of the facts of the science, Dr. Carpenter has the faculty of clearly and perspicuously presenting his own conclusions, which have made the previous editions of this work highly popular, and will secure for the present one the character of being the most complete work on the science in our language.

ART. XIX.—*The Principles and Practice of Dental Surgery.* By CHAPIN A. HARRIS, M.D., D.D.S., Professor of the Principles and Practice of Dental Surgery in the Baltimore College. Fifth edition, with two hundred and thirty-six Illustrations. Philadelphia: Lindsay and Blakiston, 1853: pp. 812.

THIS work has run rapidly to its fifth edition, indicating its popularity with the profession, and proving, at the same time, the improvement and upward tendency of dentistry in the country. The book contains ample evidence of faithful and able authorship. From the table of contents we select the general titles, for the purpose of showing the scientific method and comprehensiveness of the work. They are such as these: Anatomy and physiology of the mouth; dentition, first and second; irregularity of the teeth, its treatment; deformity and partial luxation of the jaw.

Peculiarities in the formation and growth of the teeth; osseous union of the teeth; third dentition. These topics are briefly but successfully treated, and well illustrated.

Physical characteristics of the human teeth and gums; the salivary calculus; the lips and tongue, and the fluids of the mouth; diseases of the teeth, and