

VULVA—

melanosis of, 770
 neuromata of, 767
 pruritus of, 764
 rodent ulcer of, 769
 sloughs of, 763
 syphilis of, 769
 teleangiectasis of labia majora, 767
 ulceration of, 763
 vascular growths of, 767
 varicosity of, 763
 warts of, 768

Vulvar folliculitis, 765
 Vulvitis, 761
 Vulvo-vaginal glands, inflammation of, 761

WARTY growths of vagina, 761
 Watery discharges, 85
 Wire-écraseur, 151

ZWANCK'S pessary, 572

HENRY C. LEA'S
 (LATE LEA & BLANCHARD'S)
 CLASSIFIED CATALOGUE
 OF
 MEDICAL AND SURGICAL PUBLICATIONS.

In asking the attention of the profession to the works advertised in the following pages, the publisher would state that no pains are spared to secure a continuance of the confidence earned for the publications of the house by their careful selection and accuracy and finish of execution.

The printed prices are those at which books can generally be supplied by booksellers throughout the United States, who can readily procure for their customers any works not kept in stock. Where access to bookstores is not convenient, books will be sent by mail post-paid on receipt of the price, providing their weight does not exceed the postal limit of four pounds (*see page 32*); but no risks are assumed either on the money or the books, and no publications but my own are supplied. Gentlemen will therefore in most cases find it more convenient to deal with the nearest bookseller.

An ILLUSTRATED CATALOGUE, of 64 octavo pages, handsomely printed, will be forwarded by mail, post-paid, on receipt of ten cents:

HENRY C. LEA.

Nos. 706 and 708 Sansom St., PHILADELPHIA, April, 1879.

ADDITIONAL INDUCEMENT FOR SUBSCRIBERS TO
 THE AMERICAN JOURNAL OF THE MEDICAL SCIENCES.

THREE MEDICAL JOURNALS, containing over 2000 LARGE PAGES,
 Free of Postage, for SIX DOLLARS Per Annum.

TERMS FOR 1879.

The AMERICAN JOURNAL OF THE MEDICAL SCIENCES and } Five Dollars per annum,
 The MEDICAL NEWS AND LIBRARY, both free of postage, } in advance.

OR

The AMERICAN JOURNAL OF THE MEDICAL SCIENCES, published quar- } Six Dollars,
 terly (1150 pages per annum), with } per annum,
 The MEDICAL NEWS AND LIBRARY, monthly (384 pp. per annum), and } in advance.
 The MONTHLY ABSTRACT OF MEDICAL SCIENCE (592 pages per }
 annum).

SEPARATE SUBSCRIPTIONS TO

The AMERICAN JOURNAL OF THE MEDICAL SCIENCES, when not paid for in advance,
 Five Dollars.

The MEDICAL NEWS AND LIBRARY, free of postage, in advance, One Dollar.

The MONTHLY ABSTRACT OF MEDICAL SCIENCE, free of postage, in advance, Two
 Dollars and a Half.

* * Advance-paying subscribers can obtain at the close of the year cloth covers, gilt-lettered, for each volume of the Journal (two annually), and of the Abstract (one annually), free by mail, by remitting ten cents for each cover.

In commencing the second year of the second half century in the career of the "AMERICAN JOURNAL OF THE MEDICAL SCIENCES," the publisher has much pleasure in assuring its wide circle of readers, that at no former period has it had the prospect of a more extended sphere of usefulness. Sustained as it is by the profession of the whole United States, and with a circulation extending to every country in which the English language is read, the efforts of the editors will be directed, as heretofore, to render it in every way worthy of its reputation, and of the universal favor with which it is received. With its attendant periodicals, the "MEDICAL NEWS AND LIBRARY" and the "MONTHLY ABSTRACT OF MEDICAL SCIENCE," it combines the advantages of the elaborate preparation which can be given to a quarterly, and the prompt conveyance of intelligence by the monthly, while, the whole being under a single editorial supervision, the subscriber is secured against the duplication of matter inevitable under other circumstances. These efforts the publisher seeks to second by offering these periodicals at a price unprecedentedly low—a price which places them within the reach of every practitioner, and gives the equivalent of three or four large octavo volumes for the comparatively trifling

(For THE "OBSTETRICAL JOURNAL," see p. 23.)

cost of SIX DOLLARS *per annum*.

The three periodicals thus offered are universally known for their high professional standing in their several spheres.

I.

THE AMERICAN JOURNAL OF THE MEDICAL SCIENCES,

EDITED BY ISAAC HAYS, M.D., AND I. MINIS HAYS, M.D.,

is published Quarterly, on the first of January, April, July, and October. Each number contains nearly three hundred large octavo pages, appropriately illustrated wherever necessary. It has now been issued regularly for over FIFTY years, during the whole of which time it has been under the control of the present senior editor. Throughout this long period, it has maintained its position in the highest rank of medical periodicals both at home and abroad, and has received the cordial support of the entire profession in this country. Among its Collaborators will be found a large number of the most distinguished names of the profession in every section of the United States, rendering its original department a truly national exponent of American medicine.*

Following this is the "REVIEW DEPARTMENT," containing extended and impartial reviews of important new works, together with numerous elaborate "ANALYTICAL AND BIBLIOGRAPHICAL NOTICES" giving a complete survey of medical literature.

This is followed by the "QUARTERLY SUMMARY OF IMPROVEMENTS AND DISCOVERIES IN THE MEDICAL SCIENCES," classified and arranged under different heads, presenting a very complete digest of medical progress abroad as well as at home.

Thus, during the year 1878, the "JOURNAL" furnished to its subscribers 77 Original Communications, 133 Reviews and Bibliographical Notices, and 255 articles in the Quarterly Summaries, making a total of FOUR HUNDRED AND SIXTY-FIVE articles illustrated with 48 maps and wood engravings, emanating from the best professional minds in America and Europe.

That the efforts thus made to maintain the high reputation of the "JOURNAL" are successful, is shown by the position accorded to it in both America and Europe as a leading organ of medical progress:—

This is universally acknowledged as the leading American Journal, and has been conducted by Dr. Hays alone until 1869, when his son was associated with him. We quite agree with the critic, that this journal is second to none in the language, and cheerfully accord to it the first place, for nowhere shall we find more able and more impartial criticism, and nowhere such a repository of able original articles. Indeed, now that the "British and Foreign Medical-Chirurgical Review" has terminated its career, the American Journal stands without a rival.—*London Med. Times and Gazette*, Nov. 24, 1877.

The present number of the American Journal is an exceedingly good one, and gives every promise of maintaining the well-earned reputation of the review. Our venerable contemporary has our best wishes, and we can only express the hope that it may continue its work with as much vigor and excellence for the next fifty years as it has exhibited in the past.—*London Lancet*, Nov. 24, 1877.

And that it was specifically included in the award of a medal of merit to the Publisher in the Vienna Exhibition in 1873.

The subscription price of the "AMERICAN JOURNAL OF THE MEDICAL SCIENCES" has never been raised during its long career. It is still FIVE DOLLARS per annum; and when paid for in advance, the subscriber receives in addition the "MEDICAL NEWS AND LIBRARY," making in all about 1500 large octavo pages per annum, free of postage.

II.

THE MEDICAL NEWS AND LIBRARY

is a monthly periodical of Thirty-two large octavo pages, making 384 pages per annum. Its "LIBRARY DEPARTMENT" is devoted to publishing standard works on the various branches of medical science, pagged separately, so that they can be detached for binding, when complete. In this manner subscribers have received, without expense, such works as "WATSON'S PRACTICE," "WEST ON CHILDREN," "MALGAIGNE'S SURGERY," "STOKES ON FEVER," GOSSELIN'S "CLINICAL LECTURES ON SURGERY," and many other volumes of the highest reputation and usefulness. With July, 1878, was commenced the publication of "LECTURES ON DISEASES OF THE NERVOUS SYSTEM," by J. M. CHARCOT, Professor in the Faculty of Medicine of Paris, translated from the French by GEORGE SIGERSON, M.D., Lecturer on Biology, etc., Catholic Univ. of

* Communications are invited from gentlemen in all parts of the country. Elaborate articles inserted by the Editor are paid for by the Publisher.

Ireland (see p. 17), which will be continued to completion during 1879. New subscribers, commencing with January, 1879, can procure the previous portion by a remittance of 50 cents, if promptly made.

The "NEWS DEPARTMENT" of the "MEDICAL NEWS AND LIBRARY" presents the current information of the month, with Clinical Lectures and Hospital Gleanings. A new and attractive feature of this will be found in an elaborate series of ORIGINAL AMERICAN CLINICAL LECTURES, specially contributed to the News by gentlemen of the highest reputation in the profession throughout the United States. During 1878 there have appeared Lectures by

S. D. GROSS, M.D., Prof. of Surgery, Jefferson Med. Coll., Philada.
T. GAILLARD THOMAS, M.D., Prof. Obstetrics, &c., Coll. Phys. and Surg., N. Y.
WILLIAM PEPPER, M.D., Prof. Clin. Medicine, Univ. of Penna.
LEWIS A. SAYRE, M.D., Prof. Orthopædic Surg., Bellevue Hosp. Med. Coll., N. Y.
ROBERTS BARTHOLOW, M.D., Prof. Theory and Practice of Med., Med. Coll. of Ohio.
T. G. RICHARDSON, M.D., Prof. Genl. and Clin. Surg., Univ. of La., New Orleans.
S. W. GROSS, M.D., Surg. to Philada. Hospital.
F. PEYRE PORCHER, M.D., Prof. of Mat. Med. and Clin. Medicine, Med. Coll. of S. C.
WILLIAM GOODELL, M.D., Prof. Clin. Gynecology, Univ. of Penna.
N. S. DAVIS, M.D., Prof. Prin. and Prac. of Med., Chicago Med. Coll.
W. H. VAN BUREN, M.D., Prof. Surgery, Bellevue Hosp. Med. Coll., N. Y.

To be followed by others of similar value from

AUSTIN FLINT, M.D., Prof. Prin. and Prac. of Med., Bellevue Hosp. Med. Coll., N. Y.
FORDYCE BARKER, M.D., Prof. Clin. Midwifery, &c., Bellevue Hosp. Med. Coll., N. Y.
L. A. DUHRING, M.D., Clin. Prof. of Diseases of the Skin, Univ. of Penna.
THEOPHILUS PARVIN, M.D., Prof. Obstetrics, &c., Coll. Phys. and Surg., Indianapolis.
J. P. WHITE, M.D., Prof. of Obstetrics, &c., Univ. of Buffalo.
JOHN ASHHURST, JR., M.D., Prof. of Clin. Surg., Univ. of Penna.
D. WARREN BRICKELL, M.D., Prof. Obstetrics, &c., Charity Hosp. Med. Coll., N. O.
J. LEWIS SMITH, M.D., Clin. Lec. on Dis. of Chil., Bellevue Hosp. Med. Coll., N. Y.
WILLIAM F. NORRIS, M.D., Clin. Prof. of Diseases of the Eye, Univ. of Penna.
P. S. CONNER, M.D., Prof. of Anat. and Clin. Surgery, Med. Coll. of Ohio, Cin.
S. WEIR MITCHELL, M.D., Phys. to the Infirmary for Nervous Diseases, Philada.
J. M. DACOSTA, M.D., Prof. Prin. and Prac. of Med., Jeff. Med. Coll., Philada.
THOMAS G. MORTON, M.D., Surgeon to Penna. Hospital, Philada.
F. J. BUMSTEAD, M.D., late Prof. of Venereal Dis., Coll. Phys. and Surg., N. Y.
J. H. HUTCHINSON, M.D., Physician to Penna. Hospital.
CHRISTOPHER JOHNSON, M.D., Prof. of Surgery, Univ. of Md., Baltimore.
WILLIAM THOMSON, M.D., Lecturer on Ophthalmology, Jeff. Med. Coll., Philada.

With contributors such as these, representing every portion of the United States, the publisher feels safe in promising to the subscriber a series of practical lectures unsurpassed in variety, interest, and value.

As stated above, the subscription price of the "MEDICAL NEWS AND LIBRARY" is ONE DOLLAR per annum in advance; and it is furnished without charge to all advance-paying subscribers to the "AMERICAN JOURNAL OF THE MEDICAL SCIENCES."

III.

THE MONTHLY ABSTRACT OF MEDICAL SCIENCE

is issued on the first of every month, each number containing forty-eight large octavo pages, thus furnishing in the course of the year about six hundred pages. The aim of the "ABSTRACT" is to present—without duplicating the matter in the "JOURNAL" and "NEWS"—a careful condensation of all that is new and important in the medical journalism of the world, and all the prominent professional periodicals of both hemispheres are at the disposal of the Editors. To show the manner in which this plan has been carried out it is sufficient to state that during the year 1878 it contained—

30	Articles on Anatomy and Physiology.
56	" " Materia Medica and Therapeutics.
230	" " Medicine.
151	" " Surgery.
79	" " Midwifery and Gynecology.
12	" " Medical Jurisprudence and Toxicology—

making in all 558 articles in a single year.

The subscription to the "MONTHLY ABSTRACT," free of postage, is TWO DOLLARS AND A HALF a year, in advance.

As stated above, however, it will be supplied in conjunction with the "AMERICAN JOURNAL OF THE MEDICAL SCIENCES" and the "MEDICAL NEWS AND LIBRARY," making in all about TWENTY-ONE HUNDRED pages per annum, the whole *free of postage*, for SIX DOLLARS a year, in advance.

In this effort to bring so large an amount of practical information within the reach of every member of the profession, the publisher confidently anticipates the friendly

aid of all who are interested in the dissemination of sound medical literature. He trusts, especially, that the subscribers to the "AMERICAN MEDICAL JOURNAL" will call the attention of their acquaintances to the advantages thus offered, and that he will be sustained in the endeavor to permanently establish medical periodical literature on a footing of cheapness never heretofore attempted.

PREMIUM FOR OBTAINING NEW SUBSCRIBERS TO THE "JOURNAL."

Any gentleman who will remit the amount for two subscriptions for 1879, one of which must be for a *new subscriber*, will receive as a PREMIUM, free by mail, a copy of "HOLDEN'S LANDMARKS, MEDICAL AND SURGICAL" (for advertisement of which see p. 6), or of FOTHERGILL'S "ANTAGONISM OF MEDICINES" (see p. 16), or of "BROWNE ON THE USE OF THE OPHTHALMOSCOPE" (see p. 29), or of "FLINT'S ESSAYS ON CONSERVATIVE MEDICINE" (see p. 15), or of "STURGES'S CLINICAL MEDICINE" (see p. 14), or of the new edition of "SWAYNE'S OBSTETRIC APHORISMS" (see p. 21), or of "TANNER'S CLINICAL MANUAL" (see p. 5), or of "CHAMBERS'S RESTORATIVE MEDICINE" (see p. 18), or of "WEST ON NERVOUS DISORDERS OF CHILDREN" (see p. 20).

* * * Gentlemen desiring to avail themselves of the advantages thus offered will do well to forward their subscriptions at an early day, in order to insure the receipt of complete sets for the year 1879.

The safest mode of remittance is by bank check or postal money order, drawn to the order of the undersigned. Where these are not accessible, remittances for the "JOURNAL" may be made at the risk of the publisher, by forwarding in REGISTERED letters. Address,

HENRY C. LEA, Nos. 706 and 708 Sansom St., Philadelphia, Pa.

DUNGLISON (ROBLEY), M.D.,

Late Professor of Institutes of Medicine in Jefferson Medical College, Philadelphia.

MEDICAL LEXICON; A DICTIONARY OF MEDICAL SCIENCE: Containing a concise explanation of the various Subjects and Terms of Anatomy, Physiology, Pathology, Hygiene, Therapeutics, Pharmacology, Pharmacy, Surgery, Obstetrics, Medical Jurisprudence, and Dentistry. Notices of Climate and of Mineral Waters; Formulæ for Official, Empirical, and Dietetic Preparations; with the Accentuation and Etymology of the Terms, and the French and other Synonymes; so as to constitute a French as well as English Medical Lexicon. A New Edition. Thoroughly Revised, and very greatly Modified and Augmented. By RICHARD J. DUNGLISON, M.D. In one very large and handsome royal octavo volume of over 1100 pages. Cloth, \$6 50; leather, raised bands, \$7 50. (Just Issued.)

The object of the author from the outset has not been to make the work a mere lexicon or dictionary of terms, but to afford, under each, a condensed view of its various medical relations, and thus to render the work an epitome of the existing condition of medical science. Starting with this view, the immense demand which has existed for the work has enabled him, in repeated revisions, to augment its completeness and usefulness, until at length it has attained the position of a recognized and standard authority wherever the language is spoken.

Special pains have been taken in the preparation of the present edition to maintain this enviable reputation. During the ten years which have elapsed since the last revision, the additions to the nomenclature of the medical sciences have been greater than perhaps in any similar period of the past, and up to the time of his death the author labored assiduously to incorporate everything requiring the attention of the student or practitioner. Since then, the editor has been equally industrious, so that the additions to the vocabulary are more numerous than in any previous revision. Especial attention has been bestowed on the accentuation, which will be found marked on every word. The typographical arrangement has been much improved, rendering reference much more easy, and every care has been taken with the mechanical execution. The work has been printed on new type, small but exceedingly clear, with an enlarged page, so that the additions have been incorporated with an increase of but little over a hundred pages, and the volume now contains the matter of at least four ordinary octavos.

A book well known to our readers, and of which every American ought to be proud. When the learned author of the work passed away, probably all of us feared lest the book should not maintain its place in the advancing science whose terms it defines. Fortunately, Dr. Richard J. Dunglison, having assisted his father in the revision of several editions of the work, and having been, therefore, trained in the methods and imbued with the spirit of the book, has been able to edit it, not in the patchwork manner so dear to the heart of book editors, so repulsive to the taste of intelligent book readers, but to edit it as a work of the kind should be edited—to carry it on steadily, without jar or interruption, along the grooves of thought it has travelled during its lifetime. To show the magnitude of the task which Dr. Dunglison has assumed and carried through, it is only necessary to state that more than six thousand new subjects have been added in the present edition.—*Phila. Med. Times*, Jan. 3, 1874.

About the first book purchased by the medical student is the Medical Dictionary. The lexicon explanatory of technical terms is simply a *sine qua non*. In a

science so extensive, and with such collaterals as medicine, it is as much a necessity also to the practising physician. To meet the wants of students and most physicians, the dictionary must be condensed while comprehensive, and practical while perspicacious. It was because Dunglison's met these indications that it became at once the dictionary of general use wherever medicine was studied in the English language. In no former revision have the alterations and additions been so great. More than six thousand new subjects and terms have been added. The chief terms have been set in black letter, while the derivatives follow in small caps; an arrangement which greatly facilitates reference. We may safely confirm the hope ventured by the editor "that the work, which possesses for him a filial as well as an individual interest, will be found worthy a continuance of the position so long accorded to it as a standard authority."—*Cincinnati Clinic*, Jan. 10, 1874.

It has the rare merit that it certainly has no rival in the English language for accuracy and extent of references.—*London Medical Gazette*.

A CENTURY OF AMERICAN MEDICINE, 1776-1876. By Doctors E. H. Clarke, H. J. Bigelow, S. D. Gross, T. G. Thomas, and J. S. Billings. In one very handsome 12mo. volume of about 350 pages: cloth, \$2 25. (Just Ready.)

This work appeared in the pages of the American Journal of the Medical Sciences during the year 1876. As a detailed account of the development of medical science in America, by gentlemen of the highest authority in their respective departments, the profession will no doubt welcome it in a form adapted for preservation and reference.

HOBLYN (RICHARD D.), M.D.

A DICTIONARY OF THE TERMS USED IN MEDICINE AND THE COLLATERAL SCIENCES. Revised, with numerous additions, by ISAAC HAYS, M.D., Editor of the "American Journal of the Medical Sciences." In one large royal 12mo. volume of over 500 double-columned pages; cloth, \$1 50; leather, \$2 00

It is the best book of definitions we have, and ought always to be upon the student's table.—*Southern Med. and Surg. Journal*.

RODWELL (G. F.), F.R.A.S., &c.

A DICTIONARY OF SCIENCE: Comprising Astronomy, Chemistry, Dynamics, Electricity, Heat, Hydrodynamics, Hydrostatics, Light, Magnetism, Mechanics, Meteorology, Pneumatics, Sound, and Statics. Preceded by an Essay on the History of the Physical Sciences. In one handsome octavo volume of 694 pages, and many illustrations: cloth, \$5.

NEILL (JOHN), M.D., and SMITH (FRANCIS G.), M.D.,

Prof. of the Institutes of Medicine in the Univ. of Penna.

AN ANALYTICAL COMPENDIUM OF THE VARIOUS BRANCHES OF MEDICAL SCIENCE; for the Use and Examination of Students. A new edition, revised and improved. In one very large and handsomely printed royal 12mo. volume, of about one thousand pages, with 374 wood-cuts, cloth, \$4; strongly bound in leather, with raised bands, \$4 75.

HARTSHORNE (HENRY), M.D.,

Professor of Hygiene in the University of Pennsylvania.

A CONSPECTUS OF THE MEDICAL SCIENCES; containing Handbooks on Anatomy, Physiology, Chemistry, Materia Medica, Practical Medicine, Surgery, and Obstetrics. Second Edition, thoroughly revised and improved. In one large royal 12mo. volume of more than 1000 closely printed pages, with 477 illustrations on wood. Cloth, \$4 25; leather, \$5 00. (Lately Issued.)

We can say with the strictest truth that it is the best work of the kind with which we are acquainted. It embodies in a condensed form all recent contributions to practical medicine, and is therefore useful to every busy practitioner throughout our country, besides being admirably adapted to the use of students of medicine. The book is faithfully and ably executed.—*Charleston Med. Journ.*, April, 1875.

The work is intended as an aid to the medical student, and as such appears to admirably fulfil its object by its excellent arrangement, the full compilation of facts, the perspicuity and terseness of language, and the clear and instructive illustrations in some parts of the work.—*American Journ. of Pharmacy*, Philadelphia, July, 1874.

The volume will be found useful, not only to stu-

dents, but to many others who may desire to refresh their memories with the smallest possible expenditure of time.—*N. Y. Med. Journal*, Sept. 1874.

The student will find this the most convenient and useful book of the kind on which he can lay his hand.—*Pacific Med. and Surg. Journ.*, Aug. 1874.

This is the best book of its kind that we have ever examined. It is an honest, accurate, and concise compend of medical sciences, as fairly as possible representing their present condition. The changes and the additions have been so judicious and thorough as to render it, so far as it goes, entirely trustworthy. If students must have a conspectus, they will be wise to procure that of Dr. Hartshorne.—*Detroit Rev. of Med. and Pharm.*, Aug. 1874.

LUDLOW (J. L.), M.D.

A MANUAL OF EXAMINATIONS upon Anatomy, Physiology, Surgery, Practice of Medicine, Obstetrics, Materia Medica, Chemistry, Pharmacy, and Therapeutics. To which is added a Medical Formulary. Third edition, thoroughly revised and greatly extended and enlarged. With 370 illustrations. In one handsome royal 12mo. volume of 816 large pages, cloth, \$3 25; leather, \$3 75.

The arrangement of this volume in the form of question and answer renders it especially suitable for the office examination of students, and for those preparing for graduation.

TANNER (THOMAS HAWKES), M.D., &c.

A MANUAL OF CLINICAL MEDICINE AND PHYSICAL DIAGNOSIS. Third American from the Second London Edition. Revised and Enlarged by TILBURY FOX, M.D., Physician to the Skin Department in University College Hospital, &c. In one neat volume small 12mo., of about 375 pages, cloth, \$1 50.

* * * On page 4, it will be seen that this work is offered as a premium for procuring new subscribers to the "AMERICAN JOURNAL OF THE MEDICAL SCIENCES."

GRAY (HENRY), F. R. S.,

Lecturer on Anatomy at St. George's Hospital, London.

ANATOMY, DESCRIPTIVE AND SURGICAL. The Drawings by H. V. CARTER, M.D., and Dr. WESTMACOTT. The Dissections jointly by the Author and Dr. CARTER. With an Introduction on General Anatomy and Development by T. HOLMES, M.A., Surgeon to St. George's Hospital. A new American, from the eighth enlarged and improved London edition. To which is added "LANDMARKS, MEDICAL AND SURGICAL," by LUTHER HOLDEN, F.R.C.S., author of "Human Osteology," "A Manual of Dissections," etc. In one magnificent imperial octavo volume of 983 pages, with 522 large and elaborate engravings on wood. Cloth, \$6; leather, raised bands, \$7. (*Just Ready.*)

The author has endeavored in this work to cover a more extended range of subjects than is customary in the ordinary text-books, by giving not only the details necessary for the student, but also the application of those details in the practice of medicine and surgery, thus rendering it both a guide for the learner, and an admirable work of reference for the active practitioner. The engravings form a special feature in the work, many of them being the size of nature, nearly all original, and having the names of the various parts printed on the body of the cut, in place of figures of reference, with descriptions at the foot. They thus form a complete and splendid series, which will greatly assist the student in obtaining a clear idea of Anatomy, and will also serve to refresh the memory of those who may find in the exigencies of practice the necessity of recalling the details of the dissecting room; while combining, as it does, a complete Atlas of Anatomy, with a thorough treatise on systematic, descriptive, and applied Anatomy, the work will be found of essential use to all physicians who receive students in their offices, relieving both preceptor and pupil of much labor in laying the groundwork of a thorough medical education.

Since the appearance of the last American Edition, the work has received three revisions at the hands of its accomplished editor, Mr. Holmes, who has sedulously introduced whatever has seemed requisite to maintain its reputation as a complete and authoritative standard text-book and work of reference. Still further to increase its usefulness, there has been appended to it the recent work by the distinguished anatomist, Mr. Luther Holden—"Landmarks, Medical and Surgical"—which gives in a clear, condensed, and systematic way, all the information by which the practitioner can determine from the external surface of the body the position of internal parts. Thus complete, the work, it is believed, will furnish all the assistance that can be rendered by type and illustration in anatomical study. No pains have been spared in the typographical execution of the volume, which will be found in all respects superior to former issues. Notwithstanding the increase of size, amounting to over 100 pages and 57 illustrations, it will be kept, as heretofore, at a price rendering it one of the cheapest works ever offered to the American profession.

The recent work of Mr. Holden, which was noticed by us on p. 53 of this volume, has been added as an appendix, so that, altogether, this is the most practical and complete anatomical treatise available to American students and physicians. The former finds in it the necessary guide in making dissections; a very comprehensive chapter on minute anatomy; and about all that can be taught him on general and special anatomy; while the latter, in its treatment of each region from a surgical point of view, and in the valuable edition of Mr. Holden, will find all that will be essential to him in his practice.—*New Remedies*, Aug. 1878.

This work is as near perfection as one could possibly or reasonably expect any book intended as a text-book or a general reference book on anatomy to be. The American publisher deserves the thanks of the profession for appending the recent work of Mr. Holden, "Landmarks, Medical and Surgical," which has already been commended as a separate book. The latter work—treating of topographical anatomy—has become an essential to the library of every intelligent practitioner. We know of no book that can take its place, written as it is by a most distinguished anatomist. It would be simply a waste of words to say anything further in praise of Gray's Anatomy, the text-book in almost every medical college in this country, and the daily reference book of every practitioner who has occasion

ALSO FOR SALE SEPARATE—

HOLDEN (LUTHER), F.R.C.S.,

Surgeon to St. Bartholomew's and the Foundling Hospitals.

LANDMARKS, MEDICAL AND SURGICAL. From the 2d London Ed. In one handsome volume, royal 12mo., of 128 pages; cloth, 88 cents. (*Now Ready.*)

The title of this book is very suggestive of its practical value, while the perusal of the work itself verifies the most extravagant expectations. The object of the author has been to collect in compact form the landmarks, or surface-marks of the different parts of the body, and indicate their relation to the deeper-seated parts. The value of this sort of knowledge to the physician, but especially to the surgeon who, with anatomical eye, can make the tissues

transparent before him, is incalculable. The mapping out of the human body is one which is most instructive to the practical man, and he is enabled, after considerable experience, to have landmarks of his own; but in the little work before us this knowledge is systematized in such an intelligible manner as to place it within the reach of all. It is one of the most interesting little works we have seen for a long time.—*N. Y. Med. Record*, May 11, 1878.

to consult his books on anatomy. The work is simply indispensable, especially this present American edition.—*Va. Med. Monthly*, Sept. 1878.

The addition of the recent work of Mr. Holden, as an appendix, renders this the most practical and complete treatise available to American students, who find in it a comprehensive chapter on minute anatomy, about all that can be taught on general and special anatomy, while its treatment of each region, from a surgical point of view, in the valuable section by Mr. Holden, is all that will be essential to them in practice.—*Ohio Medical Recorder*, Aug. 1878.

It is difficult to speak in moderate terms of this new edition of "Gray." It seems to be as nearly perfect as it is possible to make a book devoted to any branch of medical science. The labors of the eminent men who have successively revised the eight editions through which it has passed, would seem to leave nothing for future editors to do. The addition of Holden's "Landmarks" will make it as indispensable to the practitioner of medicine and surgery as it has been heretofore to the student. As regards completeness, ease of reference, utility, beauty, and cheapness, it has no rival. No student should enter a medical school without it; no physician can afford to have it absent from his library.—*St. Louis Clin. Record*, Sept. 1878.

ALLEN (HARRISON), M.D.

Professor of Physiology in the Univ. of Pa.

A SYSTEM OF HUMAN ANATOMY: INCLUDING ITS MEDICAL and Surgical Relations. For the Use of Practitioners and Students of Medicine. With an Introductory Chapter on Histology. By E. O. SHAKESPEARE, M.D., Ophthalmologist to the Phila. Hosp. In one large and handsome quarto volume, with several hundred original illustrations on lithographic plates, and numerous wood-cuts in the text. (*Preparing.*)

In this elaborate work, which has been in active preparation for several years, the author has sought to give, not only the details of descriptive anatomy in a clear and condensed form, but also the practical applications of the science to medicine and surgery. The work thus has claims upon the attention of the general practitioner, as well as of the student, enabling him not only to refresh his recollections of the dissecting room, but also to recognize the significance of all variations from normal conditions. The marked utility of the object thus sought by the author is self-evident, and his long experience and assiduous devotion to its thorough development are a sufficient guarantee of the manner in which his aims have been carried out. No pains have been spared by the illustrations. Those of normal anatomy are from original dissections, drawn on stone by Mr. Hermann Faber, with the name of every part clearly engraved upon the figure, after the manner of "Holden" and "Gray," and in every typographical detail it will be the effort of the publisher to render the volume worthy of the very distinguished position which is anticipated for it.

ELLIS (GEORGE VINER),

Emeritus Professor of Anatomy in University College, London.

DEMONSTRATIONS IN ANATOMY; Being a Guide to the Knowledge of the Human Body by Dissection. By GEORGE VINER ELLIS, Emeritus Professor of Anatomy in University College, London. From the Eighth and Revised London Edition. In one very handsome octavo volume of over 700 pages, with 256 illustrations. (*Nearly Ready.*)

This work has long been known in England as the leading authority on practical anatomy, and the favorite guide in the dissecting-room, as is attested by the numerous editions through which it has passed. In the last revision, which has just appeared in London, the accomplished author has sought to bring it on a level with the most recent advances of science by making the necessary changes in his account of the microscopic structure of the different organs, as developed by the latest researches in textural anatomy.

WILSON (ERASMUS), F.R.S.

A SYSTEM OF HUMAN ANATOMY, General and Special. Edited by W. H. GOBRECHT, M.D., Professor of General and Surgical Anatomy in the Medical College of Ohio. Illustrated with three hundred and ninety-seven engravings on wood. In one large and handsome octavo volume, of over 600 large pages; cloth, \$4; leather, \$5.

HEATH (CHRISTOPHER), F.R.C.S.,

Teacher of Operative Surgery in University College, London.

PRACTICAL ANATOMY: A Manual of Dissections. From the Second revised and improved London edition. Edited, with additions, by W. W. KEEN, M.D., Lecturer on Pathological Anatomy in the Jefferson Medical College, Philadelphia. In one handsome royal 12mo. volume of 578 pages, with 247 illustrations. Cloth, \$3 50; leather, \$4 00.

SMITH (HENRY H.), M.D.,

Prof. of Surgery in the Univ. of Penna., &c.

and HORNER (WILLIAM E.), M.D.,

Late Prof. of Anatomy in the Univ. of Penna.

AN ANATOMICAL ATLAS, illustrative of the Structure of the Human Body. In one volume, large imperial octavo, cloth, with about six hundred and fifty beautiful figures. \$4 50.

BELLAMY (E.), F.R.C.S.

THE STUDENT'S GUIDE TO SURGICAL ANATOMY: A Text-Book for Students preparing for their Pass Examination. With engravings on wood. In one handsome royal 12mo. volume. Cloth, \$2 25. (*Lately Published.*)

CLELAND (JOHN), M.D.,

Professor of Anatomy and Physiology in Queen's College, Galway.

A DIRECTORY FOR THE DISSECTION OF THE HUMAN BODY. In one small volume, royal 12mo. of 182 pages; cloth, \$1 25. (*Just Issued.*)

SCHAFFER (EDWARD ALBERT), M.D.,

Assistant Professor of Physiology in University College, London.

A COURSE OF PRACTICAL HISTOLOGY: Being an Introduction to the Use of the Microscope. In one handsome royal 12mo. volume of 304 pages, with numerous illustrations; cloth, \$2 00. (*Just Issued.*)

HORNER'S SPECIAL ANATOMY AND HISTOLOGY. Eighth edition, extensively revised and modified. In 2 vols. 8vo., of over 1000 pages, with 320 wood-cuts; cloth, \$6 00.

SHARPEY AND QUAIN'S HUMAN ANATOMY. Revised, by JOSEPH LEIDY, M.D., Prof. of Anat. in Univ. of Penn. In two octavo vols. of about 1300 pages, with 511 illustrations. Cloth, \$6 00.

CARPENTER (WILLIAM B.), M.D., F.R.S., F.G.S., F.L.S.,
Registrar to University of London, etc.

PRINCIPLES OF HUMAN PHYSIOLOGY; Edited by HENRY POWER, M.B. Lond., F.R.C.S., Examiner in Natural Sciences, University of Oxford. A new American from the Eighth Revised and Enlarged English Edition, with Notes and Additions, by FRANCIS G. SMITH, M.D., Professor of the Institutes of Medicine in the University of Pennsylvania, etc. In one very large and handsome octavo volume, of 1083 pages, with two plates and 373 engravings on wood; cloth, \$5 50; leather, \$6 50. (Just Issued.)

The great work, the crowning labor of the distinguished author, and through which so many generations of students have acquired their knowledge of Physiology, has been almost metamorphosed in the effort to adapt it thoroughly to the requirements of modern science. Since the appearance of the last American edition, it has had several revisions at the experienced hand of Mr. Power, who has modified and enlarged it so as to introduce all that is important in the investigations and discoveries of England, France, and Germany, resulting in an enlargement of about one-fourth in the text. The series of illustrations has undergone a like revision, a large proportion of the former ones having been rejected, and the total number increased to nearly four hundred. The thorough revision which the work has so recently received in England, has rendered unnecessary any elaborate additions in this country, but the American Editor, Professor Smith, has introduced such matters as his long experience has shown him to be requisite for the student. Every care has been taken with the typographical execution, and the work is presented, with its thousand closely, but clearly printed pages, as emphatically the text-book for the student and practitioner of medicine—the one in which, as heretofore, especial care is directed to show the applications of physiology in the various practical branches of medical science. Notwithstanding its very great enlargement, the price has not been increased, rendering this one of the cheapest works now before the profession.

We have been agreeably surprised to find the volume so complete in regard to the structure and functions of the nervous system in all its relations, a subject that, in many respects, is one of the most difficult of all, in the whole range of physiology, upon which to produce a full and satisfactory treatise of the class to which the one before us belongs. The additions by the American editor give to the work as it is a considerable value beyond that of the last English edition. In conclusion, we can give our cordial recommendation to the work as it now appears. The editors have, with their additions to the only work on physiology in our language that, in the fullest sense of the word, is the production of a philosopher as well as a physiologist, brought it up as fully as could be expected, if not desired, to the standard of our knowledge of its subject at the present day. It will deservedly maintain the place it has always had in the favor of the medical profession.—*Journ. of Nervous and Mental Disease*, April, 1877.

"Good wine needs no bush" says the proverb, and an old and faithful servant like the "big" Carpenter, as carefully brought down as this edition has been by Mr. Henry Power, needs little or no commendation by us. Such enormous advances have recently been made in our physiological knowledge, that what was perfectly new a year or two ago, looks now as if it had been received and established fact for years. In this encyclopedic way it is unrivalled. Here, as it seems to us, is the great value of the book; one is safe in sending a student to it for information on almost any given

subject, perfectly certain of the fulness of information it will convey, and well satisfied of the accuracy with which it will there be found stated.—*London Med. Times and Gazette*, Feb. 17, 1877.

Thus fully are treated the structure and functions of all the important organs of the body, while there are chapters on sleep and somnambulism; chapters on ethnology, a full section on generation, and abundant references to the curiosities of physiology, as the evolution of light, heat, electricity, etc. In short, this new edition of Carpenter is, as we have said at the start, a very encyclopedia of modern physiology.—*The Clinic*, Feb. 24, 1877.

The merits of "Carpenter's Physiology" are so widely known and appreciated that we need only allude briefly to the fact that in the latest edition will be found a comprehensive embodiment of the results of recent physiological investigation. Care has been taken to preserve the practical character of the original work. In fact the entire work has been brought up to date, and bears evidence of the amount of labor that has been bestowed upon it by its distinguished editor, Mr. Henry Power. The American editor has made the latest additions, in order fully to cover the time that has elapsed since the last English edition.—*N. Y. Med. Journal*, Jan. 1877.

A more thorough work on physiology could not be found. In this all the facts discovered by the late researches are noticed, and neither student nor practitioner should be without this exhaustive treatise on an important elementary branch of medicine.—*Atlanta Med. and Surg. Journal*, Dec. 1876.

KIRKES (WILLIAM SENHOUSE), M.D.

A MANUAL OF PHYSIOLOGY. Edited by W. MORRANT BAKER, M.D., F.R.C.S. A new American from the eighth and improved London edition. With about two hundred and fifty illustrations. In one large and handsome royal 12mo. volume. Cloth, \$3 25; leather, \$3 75. (Lately Issued.)

Kirkes' Physiology has long been known as a concise and exceedingly convenient text-book, presenting within a narrow compass all that is important for the student. The rapidity with which successive editions have followed each other in England has enabled the editor to keep it thoroughly on a level with the changes and new discoveries made in the science, and the eighth edition, of which the present is a reprint, has appeared so recently that it may be regarded as the latest accessible exposition of the subject.

On the whole, there is very little in the book which either the student or practitioner will not find of practical value and consistent with our present knowledge of this rapidly changing science; and we have no hesitation in expressing our opinion that this eighth edition is one of the best handbooks on physiology which we have in our language.—*N. Y. Med. Record*, April 15, 1873.

The book is admirably adapted to be placed in

the hands of students.—*Boston Med. and Surg. Journ.*, April 10, 1873.

In its enlarged form it is, in our opinion, still the best book on physiology, most useful to the student.—*Phila. Med. Times*, Aug. 30, 1873.

This is undoubtedly the best work for students of physiology extant.—*Cincinnati Med. News*, Sept. 1873.

DALTON (J. C.), M.D.,

Professor of Physiology in the College of Physicians and Surgeons, New York, &c.

A TREATISE ON HUMAN PHYSIOLOGY. Designed for the use of Students and Practitioners of Medicine. Sixth edition, thoroughly revised and enlarged, with three hundred and sixteen illustrations on wood. In one very beautiful octavo volume, of over 800 pages. Cloth, \$5 50; leather, \$6 50. (Just Issued.)

During the past few years several new works on physiology, and new editions of old works, have appeared, competing for the favor of the medical student, but none will rival this new edition of Dalton. As now enlarged, it will be found also to be, in general, a satisfactory work of reference for the practitioner.—*Chicago Med. Journ. and Examiner*, Jan. 1876.

Prof. Dalton has discussed conflicting theories and conclusions regarding physiological questions with a fairness, a fulness, and a conciseness which lend freshness and vigor to the entire book. But his discussions have been so guarded by a refusal of admission to those speculative and theoretical explanations, which at best exist in the minds of observers themselves as only probabilities, that none of his readers need be led into grave errors while making them a study.—*The Medical Record*, Feb. 19, 1876.

The revision of this great work has brought it forward with the physiological advances of the day, and renders it, as it has ever been, the finest work for students extant.—*Nashville Journ. of Med. and Surg.*, Jan. 1876.

For clearness and perspicuity, Dalton's Physiology commended itself to the student years ago, and was a pleasant relief from the verbose productions which it supplanted. Physiology has, however, made many advances since then—and while the style has been preserved intact, the work in the present edition has been brought up fully abreast of the times. The new chemical notation and nomenclature have also been introduced into the present edition. Notwithstanding the multiplicity of text-books on physiology, this will lose none of its old time popularity. The mechanical execution of the work is all that could be desired.—*Peninsular Journal of Medicine*, Dec. 1875.

This popular text-book on physiology comes to us in its sixth edition with the addition of about fifty per cent. of new matter, chiefly in the departments of pathological chemistry and the nervous system, where the principal advances have been realized. With so thorough revision and additions, that keep the work well up to the times, its continued popularity may be confidently predicted, notwithstanding the competition it may encounter. The publisher's work is admirably done.—*St. Louis Med. and Surg. Journ.*, Dec. 1875.

We heartily welcome this, the sixth edition of this admirable text-book, than which there are none of equal brevity more valuable. It is cordially recommended by the Professor of Physiology in the University of Louisiana, as by all competent teachers in the United States, and wherever the English language is read, this book has been appreciated. The present edition, with its 316 admirably executed illustrations, has been carefully revised and very much enlarged, although its bulk does not seem perceptibly increased.—*New Orleans Medical and Surgical Journal*, March, 1876.

The present edition is very much superior to every other, not only in that it brings the subject up to the times, but that it does so more fully and satisfactorily than any previous edition. Take it altogether it remains in our humble opinion, the best text-book on physiology in any land or language.—*The Clinic*, Nov. 6, 1875.

As a whole, we cordially recommend the work as a text-book for the student, and as one of the best.—*The Journal of Nervous and Mental Disease*, Jan. 1876.

Still holds its position as a masterpiece of lucid writing, and is, we believe, on the whole, the best book to place in the hands of the student.—*London Students' Journal*.

DUNGLISON (ROBLEY), M.D.,

Professor of Institutes of Medicine in Jefferson Medical College, Philadelphia.

HUMAN PHYSIOLOGY. Eighth edition. Thoroughly revised and extensively modified and enlarged, with five hundred and thirty-two illustrations. In two large and handsomely printed octavo volumes of about 1500 pages, cloth, \$7 00.

HARTSHORNE (HENRY), M.D.,

Professor of Hygiene, etc., in the Univ. of Penna.

HANDBOOK OF ANATOMY AND PHYSIOLOGY. Second Edition, revised. In one royal 12mo. vol., with 220 wood-cuts: cloth, \$1 75. (Just Issued.)

LEHMANN (C. G.),

PHYSIOLOGICAL CHEMISTRY. Translated from the second edition by GEORGE E. DAY, M.D., F.R.S., &c., edited by R. E. ROGERS, M.D., Professor of Chemistry in the Medical Department of the University of Pennsylvania, with illustrations selected from Funke's Atlas of Physiological Chemistry, and an Appendix of plates. Complete in two large and handsome octavo volumes, containing 1200 pages, with nearly two hundred illustrations, cloth, \$6 00.

BY THE SAME AUTHOR.

MANUAL OF CHEMICAL PHYSIOLOGY. Translated from the German, with Notes and Additions, by J. CHESTON MORRIS, M.D., with an Introductory Essay on Vital Force, by Professor SAMUEL JACKSON, M.D., of the University of Pennsylvania. With illustrations on wood. In one very handsome octavo volume of 336 pages. Cloth, \$2 25.

REMSEN (IRA), M.D., Ph.D.,

Professor of Chemistry in the Johns Hopkins University, Baltimore.

PRINCIPLES OF THEORETICAL CHEMISTRY, with special reference to the Constitution of Chemical Compounds. In one handsome royal 12mo. vol. of over 232 pages: cloth, \$1 50. (Just Issued.)

WOHLER AND FITTIG.

OUTLINES OF ORGANIC CHEMISTRY. Translated with Additions from the Eighth German Ed. By IRA REMSEN, M.D., Ph.D., Prof. of Chem. and Physics in Williams College, Mass. In one volume, royal 12mo. of 550 pp., cloth, \$3.