

NEW BOOKS AND PUBLICATIONS.

A PRACTICAL HANDBOOK OF THE CARE AND MANAGEMENT OF GAS ENGINES. By G. Lieckfeld, C.E. Authorized translation by G. Richmond, M.E. With instructions for running oil engines. New York: Spon & Chamberlain. London: E. & F. N. Spon. 1896. Pp. xiv, 103. Price \$1.

The subject of this book, which is very concise, is really the running of an "Otto" gas engine and of a "Hornsey-Akroyd" oil engine. It is fair to say that one who has mastered these two engines will be in good condition to cope with any motor placed before him, as they are typical and standard machines. The "Testing Card" and "Treatment of Derangements" are samples of the headings. We note especially that the section on the oil engine is written by Mr. George Richmond, M.E., of the De la Vergne Company, an engineer of high standing, who has been identified with the development of oil engines in this country.

DR. JAMESON'S RAID: ITS CAUSES AND CONSEQUENCES. By Rev. James King. New York and London: George Routledge & Sons. Pp. 180. Price, paper, 50 cents.

This is a concise handbook on the political situation in South Africa, supplying information respecting the Boers and their country, as well as treating of the Jameson raid. The story is told from the time of the first Dutch colonization, and the book also has an account of the diamond and gold fields of the Rand.

CHRISTIANITY AND OUR TIMES. By R. P. Brorup. Chicago: International Book Company. 1895. Pp. 228. Price 25 cents.

THE PSYCHOLOGY OF ATTENTION. By Th. Ribot. Authorized translation. (Third revised edition.) Chicago: The Open Court Publishing Company. 1896. Pp. viii, 120. Price 75 cents. Paper 25 cents.

OBSERVATIONS OF A BACHELOR. By Louis Lombard, author of "Observations of a Musician," "Love's Sufferings," composer of the opera "Juliet," and founder and director Utica (N. Y.) Conservatory of Music and School of Languages. Utica, N. Y.: L. C. Childs & Son. Pp. 151. Price 50 cents.

Beginning May 24, the American Wheelman, whose name is symbolic of originality and enterprise, will begin the publication of a daily cycling paper in New York City. There are now more than one hundred thousand cyclists in the metropolitan district, so that there will undoubtedly be adequate support. The weekly edition will not be injured by the daily; in fact, it will be improved. It is evidently the intention of the publishers to conduct it upon a high plane, for the editor says: "It will be our aim to make the weekly American Wheelman a high class literary and technical journal, combining the characteristics of Harper's Weekly and the SCIENTIFIC AMERICAN." We wish our contemporary every success in their new venture.

TO INVENTORS

An experience of nearly fifty years, and the preparation of more than one hundred thousand applications for patents at home and abroad, enable us to understand the laws and practice on both continents, and to possess unequalled facilities for procuring patents everywhere. A synopsis of the patent laws of the United States and all foreign countries may be had on application, and persons contemplating the securing of patents, either at home or abroad, are invited to write to this office for prices, which are low, in accordance with the times and our extensive facilities for conducting the business. Address MUNN & CO., office SCIENTIFIC AMERICAN, 361 Broadway, New York.

INDEX OF INVENTIONS For which Letters Patent of the United States were Granted May 5, 1896,

AND EACH BEARING THAT DATE

[See note at end of list about copies of these patents.]

Table listing inventions and their dates, including items like Advertising device, Air cushioning apparatus, Alarm, and various mechanical devices.

Table listing inventions and their dates, including items like Alarm clock, Automatic device, and various machinery.

Table listing inventions and their dates, including items like Automobile, Camera, and various electrical and mechanical devices.

Table listing inventions and their dates, including items like Sewing machine, Typewriter, and various household and industrial devices.

TRADE MARKS.

Table listing trade marks and their owners, including items like Adhesive substances, Belting, and various chemical products.

DESIGNS.

Table listing designs and their owners, including items like Antirattler, Badge, and various decorative and functional items.

A printed copy of the specification and drawing of any patent in the foregoing list, or a patent in print issued after 1869, will be furnished from this office for 25 cents. In ordering please state the name and number of the patent desired, and remit to Munn & Co., 361 Broadway, New York.