

practical review of the mathematics of electricity within the scope of those who are not conversant with algebra and the higher mathematics.

PRACTICAL CARRIAGE BUILDING. Compiled by M. T. Richardson. Vol. II. New York: M. T. Richardson Co. 1892. Pp. 280. Price \$1.

Previous works have been published by this company on allied topics to the present. The exceedingly practical aspect of the volume under review, with its numerous illustrations, nearly 300 in number, and the eminently clear and simple way in which the matters are expressed, give the work distinctive value.

DYNAMOMETERS AND THE MEASUREMENT OF POWER. By John J. Flather. New York: John Wiley & Sons. Pp. vi, 215. Price \$2.

At the present day, when the measurement of power is so often required and when the indicated horse power alone is not accounted sufficient for the engineer's use, a work on dynamometers is peculiarly timely.

THE JEWELER'S ASSISTANT IN THE ART OF WORKING IN GOLD. By George E. Gee. London: Crosby Lockwood & Son. 1892. Pp. xxiv, 238.

The properties of gold, its precipitation in waste solutions, its colors, mixing and melting, dry and wet coloring, casting and the various kinds of gilding operations, practical manipulations of articles of plate and jewelry, alloys of bullion and imitations, with numerous receipts and practical hints and exhaustive tables of gold values and alloys, are the topics treated in this book.

SCIENTIFIC AMERICAN BUILDING EDITION. AUGUST NUMBER.—(No. 82.)

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- 1. A suburban cottage at Rutherford, N. J. Cost \$2,000 complete. Floor plans and perspective elevation. Mr. C. D. Jones, New York, architect.
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Communications Received.

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August 16, 1892,

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