

Business and Personal.

The charge for insertion under this head is One Dollar a line for each insertion; about eight words to a line.

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examination of it we are inclined to think that the author would have done better had he been more expansive in his introductory portion.

MECHANICS OF VENTILATION. By George W. Rafter. Revised Second Edition. New York: D. Van Nostrand Company. 1896. Pp. 143. Price 50 cents.

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APRIL 20, 1897.

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Table listing various inventions and their patent numbers, including items like Building block and column composition, Burial casket, and various types of engines and machinery.

Table listing various inventions and their patent numbers, including items like Lantern, cycle, F. Rhine, Lap board and table combined, and various types of pumps and engines.

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Notes & Queries

HINTS TO CORRESPONDENTS.

Names and Address must accompany all letters or no attention will be paid thereto.

References to former articles or answers should give date of paper and page or number of question.

Buyers wishing to purchase any article not advertised in our columns will be furnished with addresses of houses manufacturing or carrying the same.

Scientific American Supplements referred to may be had at the office. Price 10 cents each.

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Minerals sent for examination should be distinctly marked or labeled.

(7156) J. W. C. asks: 1. Is it necessary to amalgamate the zincs of a Crowfoot gravity battery? A. It is not necessary and is not usually done.

(7157) W. R. T. writes: I have the use of 64 gravity cells 6x8 for fifteen hours each day.

NEW BOOKS, ETC.

PROBLEMS AND QUESTIONS IN PHYSICS. By Charles P. Matthews, M.E., and John Shearer. New York: The Macmillan Company. London: Macmillan & Company, Ltd. 1897. Pp. vii, 243. Price \$1.60.

Modern physics has received a new momentum from the application to it of the theory of dimensions.