

(30) S. F. B. asks for a recipe for a paste or muilage for a scrap book. Ordinary muilage is too hard and stiff after it is dry.

(31) W. B. H. asks: Will you please inform me how I can expand the rubber cylinders so as to place them on the shafts of clothes wringers?

(32) H. B.—The total eclipse of 1869 took place on the 7th day of August.

MINERALS, ETC.—Specimens have been received from the following correspondents, and examined, with the results stated.

S. B.—The bituminous substance closely resembles grahamite—an inspissated and oxygenated petroleum.

HINTS TO CORRESPONDENTS.

We renew our request that correspondents, in referring to former answers or articles, will be kind enough to name the date of the paper and the page, or the number of the question.

Many of our correspondents make inquiries which cannot properly be answered in these columns. Such inquiries, if signed by initials only, are liable to be cast into the waste basket.

Persons desiring special information which is purely of a personal character, and not of general interest, should remit from \$1 to \$5, according to the subject, as we cannot be expected to spend time and labor to obtain such information without remuneration.

COMMUNICATIONS RECEIVED.

The Editor of the SCIENTIFIC AMERICAN acknowledges with much pleasure the receipt of original papers and contributions on the following subjects:

Light as a Motive Power. By F. E. G. M.

Variable Velocity. By J. T. O.

[OFFICIAL.]

INDEX OF INVENTIONS

Letters Patent of the United States were Granted in the Week Ending June 25, 1878, AND EACH BEARING THAT DATE.

A complete copy of any patent in the annexed list, including both the specifications and drawings, will be furnished from this office for one dollar. In ordering, please state the number and date of the patent desired, and remit to Munn & Co., 37 Park Row, New York city.

Table of inventions with names and patent numbers. Includes entries like 'Amalgam, refining retorted, F. Gutzkow' and 'Amalgamator, E. F. Russell'.

Table of inventions with names and patent numbers. Includes entries like 'Cement, manufacture of hydraulic, J. Dimelow' and 'Chair barber's, A. Wekerle'.

Table of inventions with names and patent numbers. Includes entries like 'Ozone generator, G. F. H. Bartlett' and 'Packing, steam, E. Robinson'.

DESIGNS.

Table of designs with names and numbers. Includes entries like 'Font of printing types, W. W. Jackson' and 'Gem setting, C. A. Faas'.

English Patents Issued to Americans.

Table of English patents issued to Americans, including names like 'F. Armstrong, Bridgeport, Ct.' and 'J. W. De Castro, N. Y. city.'

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