



silver bearing, No. 3 is titaniferous iron, No. 4 is spathic hornblende schist, possibly adjoining metallic films. No. 5 is a fine sandstone, or sandstone conglomerate containing lignite.

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.

Correspondents whose inquiries fail to appear should repeat them. If not then published, they may conclude that, for good reasons, the Editor declines them. The address of the writer should always be given.

Inquiries relating to patents, or to the patentability of inventions, assignments, etc., will not be published here. All such questions, when initials only are given, are thrown into the waste basket, as it would fill half of our paper to print them all; but we generally take pleasure in answering briefly by mail, if the writer's address is given.

WANTS AND BUSINESS INQUIRIES.

Almost any desired information, and that of a business nature especially, can be expeditiously obtained by advertising in the column of "Business and Personal," which is set apart for that purpose, subject to the charge mentioned at its head.

We have received this week the following inquiries, particulars, etc., regarding which can probably be elicited from the writers by the insertion of a small advertisement in the column specified, by parties able to supply their wants:

What will it cost to erect a factory to condense milk from 200 to 300 cows?

OFFICIAL.

INDEX OF INVENTIONS

FOR WHICH

Letters Patent of the United States were

Granted in the Weeks Ending

Dec. 25, 1877, and Jan. 1, 1878,

AND BEARING THOSE DATES.

[Those marked (r) are reissued patents.]

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 listing various inventions such as 'Advertising brick, G. McMullen', 'Alkali from solutions, covering, M. Nixon', etc., with corresponding patent numbers.

Table listing various inventions such as 'Fare register, W. H. Hornum (r)', 'Fence, D. E. Lupold', 'Fence post, A. Shaffer', etc., with corresponding patent numbers.

Table listing various inventions such as 'Rubber, cutting, T. A. Richards', 'Sad iron, O. Avery, Jr.', 'Sand pump reel, M. B. McManus', etc., with corresponding patent numbers.

Table listing various inventions such as 'Evaporating pan, W. A. Morrison', 'Fabrics, machine for spreading, W. Birch', 'Fan, automatic, F. & I. Elkins', etc., with corresponding patent numbers.

DESIGNS PATENTED,

Table listing various designs such as '10,363 to 10,367.—CARPETS.—J. Campbell, London, Eng.', '10,368 to 10,373.—CARPETS.—J. Fisher, New York city', etc.

FOR THE WEEK ENDING JANUARY 1, 1878.

Table listing various inventions such as 'Air-cooling apparatus, A. Albertson', 'Amalgamator, I. M. Phelps', 'Auger, H. L. Shaler', etc.

[A copy of any of the above patents may be had by remitting one dollar to MUNN & Co., 37 Park Row, New York city.]