

PUBLICATIONS.

Mr. Barr Ferree, of 231 Broadway, New York, has published in pamphlet form a chronological summary of the history of all the cathedral churches of France. The author states that so far as he is aware, his is the first attempt to bring together in one general view all these churches, and he invites archaeologists and others to whom this pamphlet has been sent, to send corrections of any errors which may be found in the published data.

"Progress in Flying Machines" is the title of a book of 300 pages, by O. Chanute, C.E. This book gives an historical review of the effects and experiments of inventors to accomplish flight with apparatus, which by reason of its rapid movement will be supported by the air as birds are. The author has gathered all the records of such experiments, which are accessible, and has endeavored to show the reasons for their failure, and to explain the principles which govern flight, and to satisfy himself, and his readers, whether we may reasonably hope eventually to fly

through the air. His conclusion is that this question may now be answered in the affirmative. A full account is given of the recent experiments of scientists like Maxim, Lilienthal, Hargraves and Langley, which have so greatly added to our knowledge of this subject. The book is illustrated by nearly 100 engravings, and is written in a style which will be read with as much interest by the general as by the non-technical reader. Price \$2.50, Published by The American Engineer and Railroad Journal, 47 Cedar Street, New York.

The Hamilton Bridge Company is to be closed down, whether permanently or not, is yet to be decided. The impossibility of securing sufficient business, due in part to the competition of other companies, is given as the reason for the present step on the part of the management.

In tests recently conducted by a sub-committee of the Board of Works of Toronto of the quality of the cement used in concrete foundations for permanent pavements, it was reported in four out of six tests that the imported cement used in the work was not up to the proper standard.

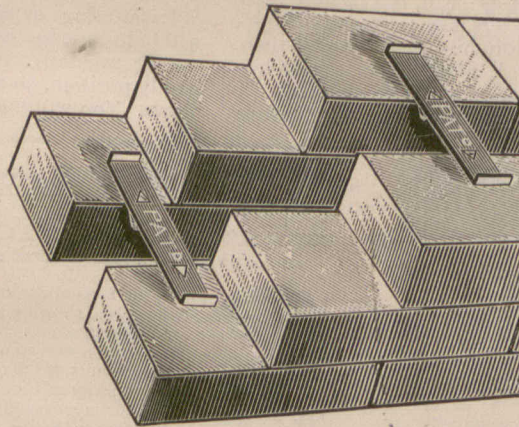
THE DIFFERENCE BETWEEN ROSENDALE AND PORTLAND CEMENT.

It is not commonly known that the difference between the two well-known varieties of cement, the Rosendale and the Portland, lies in the fact that the first named is a natural product and the latter an artificial. The former is made by burning a shaly limestone in kilns and grinding the clinker produced with burr stones to a very fine powder, which, when mixed with water, soon sets and forms an artificial stone nearly as hard as the original rock. Portland cement, on the other hand, is made by combining chalk, or some other form of limestone free from magnesia, with silicious clay, these materials being intimately mixed and made into bricks, which are burned in kilns with coke fuel at a very intense heat; the resulting clinker is ground in the same manner as natural cement, and is much stronger and sets more quickly than the other.

Incorporation has been granted the Otterville, Ont., Brick and Tile Manufacturing Co. The capital stock is \$5,000.

It is reported to be the intention of Mr. William Gibson, of Boston, to undertake at once the development of the black granite quarries at Bocabec, N. B.

The last car-load of machinery for the La Prairie Pressed Brick Co's. plant has arrived at the works. The company now have five dry pans, each with their elevator and screen, and three four-mould dry press brick machines, making one of the most complete brick making plants in Canada.



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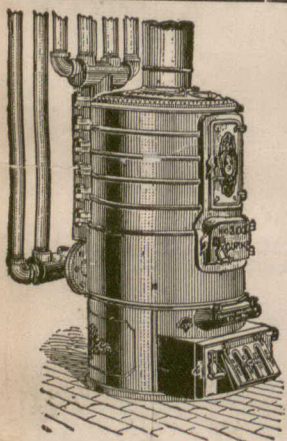
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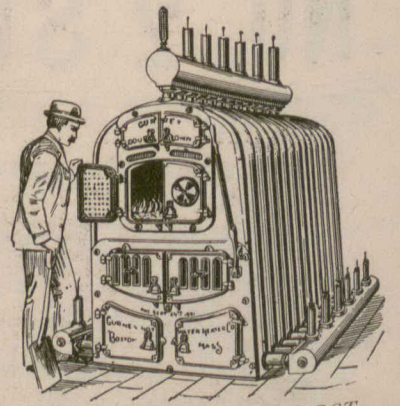
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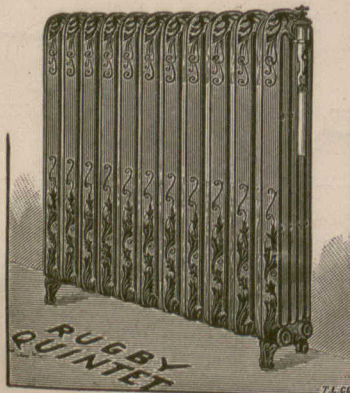


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