No. 773,404. PATENTED OCT. 25, 1904.

E. MAY.

BUILDING CONSTRUCTION.

APPLICATION FILED APR. 4, 1904.

NO MODEL.

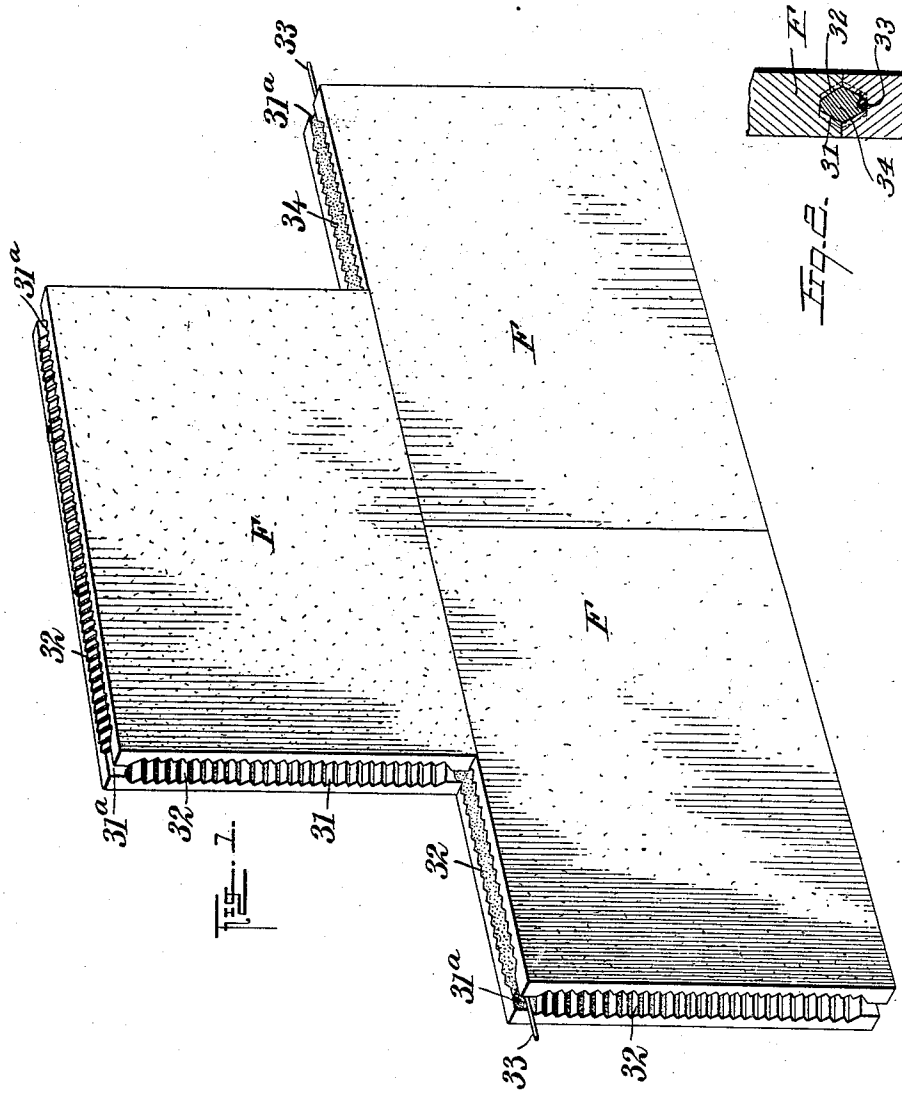


FIG. 1.

FIG. 2.

WITNESSES:

INVENTOR

Ernst May

BY

ATTORNEYS

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No. 773,404. Patented October 25, 1904.

UNITED STATES PATENT OFFICE.

ERNST MAY, OF NEW YORK, N. Y.

BUILDING CONSTRUCTION.

SPECIFICATION forming part of Letters Patent No. 773,404, dated October 25, 1904.

Application filed April 4, 1904. Serial No. 201,445. (No model.)

To all whom it may concern:

Be it known that I, ERNST MAY, a citizen of the United States, and a resident of the city of New York, borough of Manhattan, in the county and State of New York, have invented a new and Improved Building Construction, of which the following is a full, clear, and exact description.

This invention relates to building material; and its object is to produce a building construction or form which is well adapted for building floors, partitions, and for similar uses.

The invention consists in the construction and combination of parts to be more fully described hereinafter and definitely set forth in the claims.

In the drawings, which fully illustrate my invention, Figure 1 represents in perspective a portion of a wall or partition constructed according to my invention. Fig. 2 is a vertical section passing through the joint or plane of construction of two adjacent rows of slabs.

Throughout the drawings and specification the same characters of reference denote like parts.

Referring more particularly to the parts, F F F represent the slabs formed according to my invention. These slabs are expected to be molded and formed of artificial stone, cement, or similar material. As indicated, they are of rectangular form and their edges are provided with substantially V-shaped grooves 31 31ª, extending longitudinally therewith. These grooves are formed with corrugations 32, as shown, the purpose of which will appear more fully hereinafter.

In forming the partition or wall of the slabs described the same are assembled in the manner indicated in the figure. A lower course of the slab having been laid end to end, the communicating grooves at the vertical edges would be filled with cement or a similar binding material. After the course had been laid a wire 33 would be stretched in such a position as to lie substantially in the bottom of the groove in the upper edge of the slabs of the lower course. The extremities of this wire would be permanently attached in any suitable manner. The wire having been set in place, the groove containing the same would be filled with a binding material 34, such as cement, and an upper course of slabs could then be laid upon the first. The slabs in the upper course would be disposed in intermediate positions with respect to those in the lower, so as to break the joints. In applying the slabs of the upper course the grooves in the lower edges thereof would be also filled with binding material.

In the manner described the entire partition or wall would be constructed, the upper grooves in all the courses of the slabs receiving wires, as indicated. Evidently when the cement or binding material has dried and become set a very firm and rigid structure results, and this, due to the wires embedded in the cement, is substantially reinforced or braced. At the same time the structure presents a very neat appearance, for the reason that the cement is not exposed to view at the edges of the slabs.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. Building-slabs arranged in courses, the said slabs being provided with marginal corrugated grooves adapted to receive a cementing material, and a tie-wire which is carried through the upper marginal grooves of all the slabs of a course, within the cementing material located in such grooves, as and for the purpose described.

2. A vertical wall composed of rectangular slabs laid in courses one upon the other, said slabs having horizontal longitudinal grooves in the horizontal edges thereof and vertical longitudinal grooves in the vertical edges thereof, stretched wires occupying horizontal grooves of said wall, cement lying in said longitudinal grooves and embedding said wires and cement filling the vertical grooves between the vertical edges of said slabs.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ERNST MAY.

Witnesses:
J. FRED. ACKER,
JNO. M. RITTER.