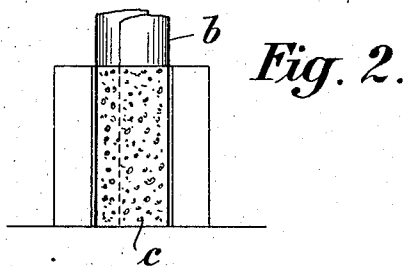
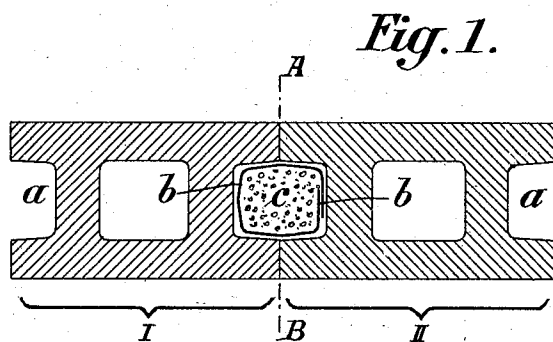


No. 791,293.

PATENTED MAY 30, 1905.

N. SCHIETKIEWICZ.  
CONCRETE STONE CONSTRUCTION.  
APPLICATION FILED MAY 2, 1905.



WITNESSES:

*Eloa Newburg*  
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# UNITED STATES PATENT OFFICE.

NICOLAS SCHIETKIEWICZ, OF ST. PETERSBURG, RUSSIA.

## CONCRETE-STONE CONSTRUCTION.

SPECIFICATION forming part of Letters Patent No. 791,293, dated May 30, 1905.

Application filed May 2, 1905. Serial No. 258,438.

*To all whom it may concern:*

Be it known that I, NICOLAS SCHIETKIEWICZ, a subject of the Emperor of Russia, and a resident of St. Petersburg, in the Empire of Russia, have invented certain new and useful Improvements in Wall Constructions, of which the following is a specification.

This invention relates to a wall construction composed of bricks or blocks and mortar.

The object of the invention is to secure a tight and non-conducting joint between the ends of the blocks which are laid in courses to form the wall.

Figure 1 of the accompanying drawings represents a horizontal section of a fragment of a wall embodying one form of this invention, showing the bricks or blocks provided with this improved non-conducting packed joint at their meeting ends, the packing being in process of formation. Fig. 2 represents a vertical section on line A A of Fig. 1 through one course of the construction at the vertical joint of two adjacent blocks.

This wall construction comprises blocks, as I II, constructed hollow or otherwise, of any suitable material of which building blocks or bricks are or may be made. Each block is provided at each end with a comparatively wide and deep vertical recess *a*, extending from the upper to the lower face of the block. These blocks are laid in courses separated by horizontal layers of mortar or cement in the usual manner, but with their ends in touch or contact. As thus laid the vertical recess *a* of adjacent ends of adjacent blocks form a comparatively large vertical chamber extending through the depth of the course.

After each course of blocks is laid, as aforesaid, a packing is placed in the several vertical chambers at the meeting ends of the blocks. To form this packing, a loose roll *b*, of a fibrous fabric, is placed in upright position in each of said chambers, preferably with its vertical edges overlapping each other. This fibrous fabric may consist of tarred paste-

board; felt, asphaltic felt, or other suitable material. A filling *c* is next inserted in the loose fabric roll *b*, standing within the chamber aforesaid, and said roll is expanded and pressed against the interior faces of said chamber. This filling is preferably composed of a convenient loose material, which is a bad conductor of heat, and may consist of slag or sand. The vertical joints between the blocks are thus tightly closed or sealed.

I claim as my invention—

1. A wall construction comprising superposed layers of blocks in courses separated by horizontal layers of mortar, said blocks being provided at their adjacent ends with recesses forming vertical chambers, and packings in said chambers severally composed of a non-conductive filling and a fibrous fabric pressed thereby against the walls of said chamber.

2. A wall construction comprising superposed layers of blocks in courses separated by horizontal layers of mortar, said blocks being in touch at their adjacent ends and said ends being provided with recesses forming vertical chambers, and packings in said chambers severally composed of a non-conductive filling and a fibrous fabric pressed thereby against the walls of said chamber.

3. A wall construction comprising superposed layers of blocks in courses separated by horizontal layers of mortar or cement, said blocks being in touch at their adjacent ends and said ends being provided with recesses forming vertical chambers, and packings in said chambers severally composed of a roll of fibrous fabric and a non-conducting filling pressing said fabric against the walls of said chamber.

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

NICOLAS SCHIETKIEWICZ.

Witnesses:

H. A. LOVIAGUINE,  
JOHN MUELLER.