

No. 791,775.

PATENTED JUNE 6, 1905.

R. B. HANSELL.
MOISTURE PROOF BLOCK.
APPLICATION FILED NOV. 26, 1904.

Fig. 5.

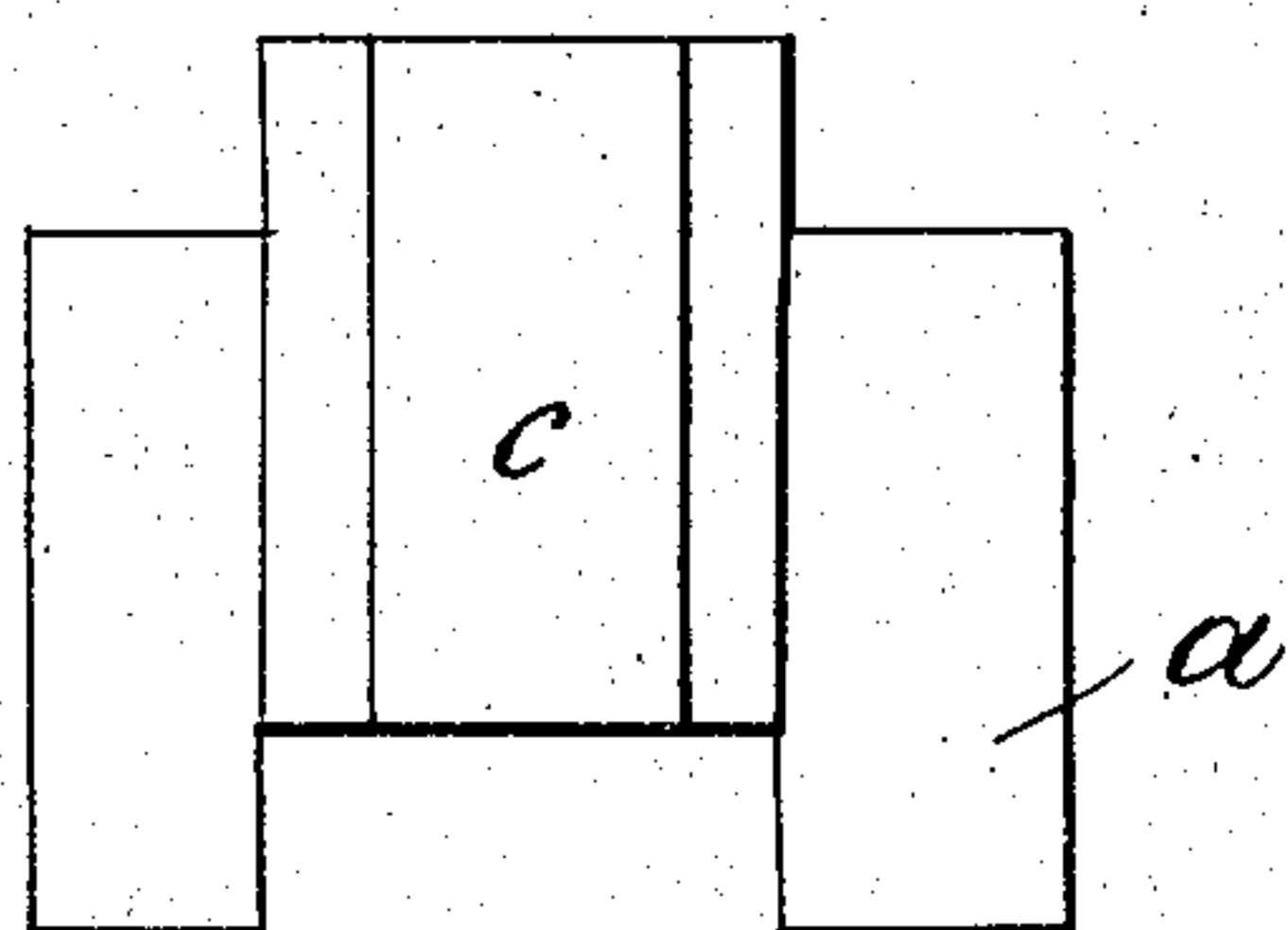


Fig. 3.

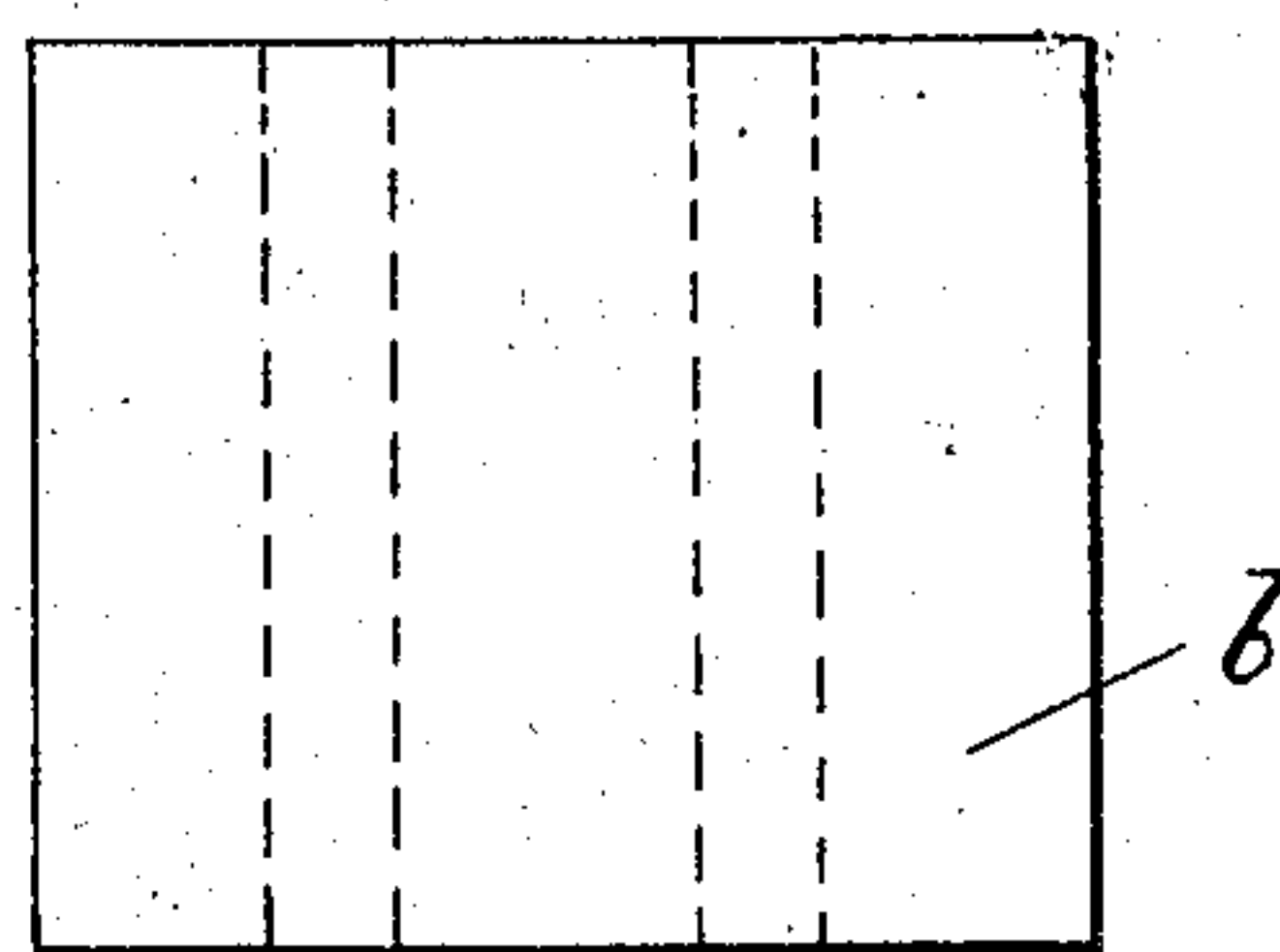


Fig. 4.

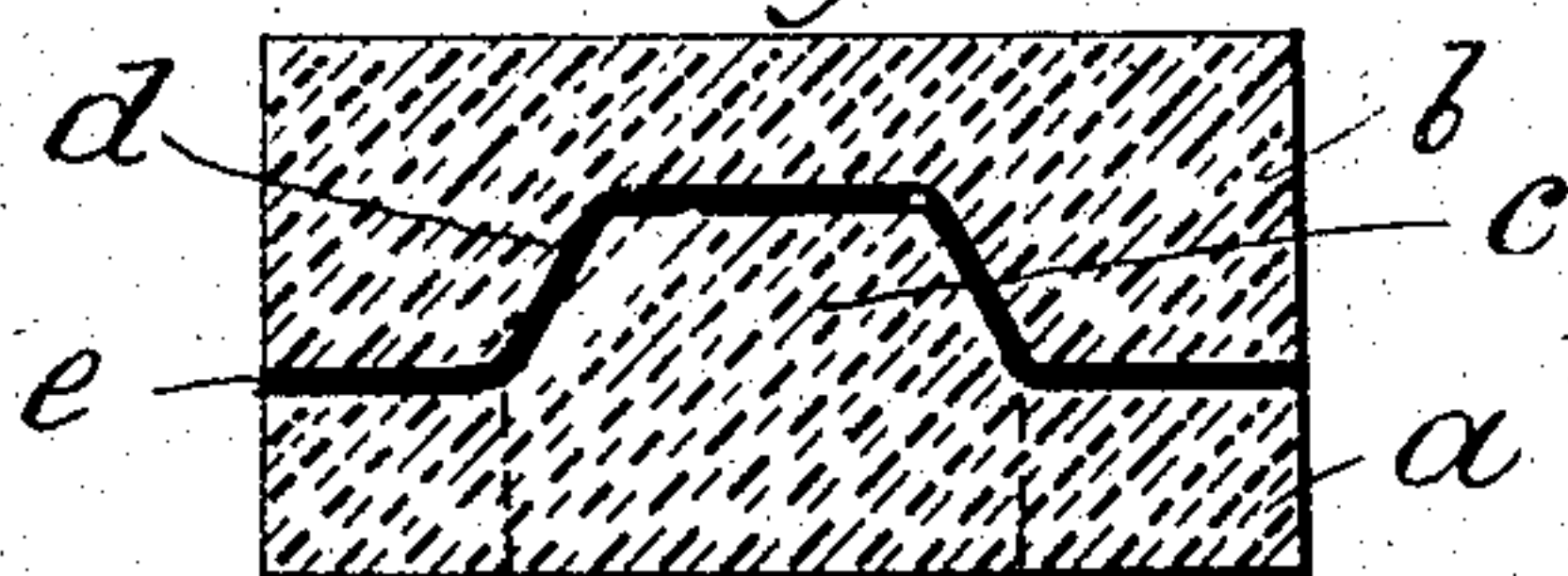


Fig. 2.

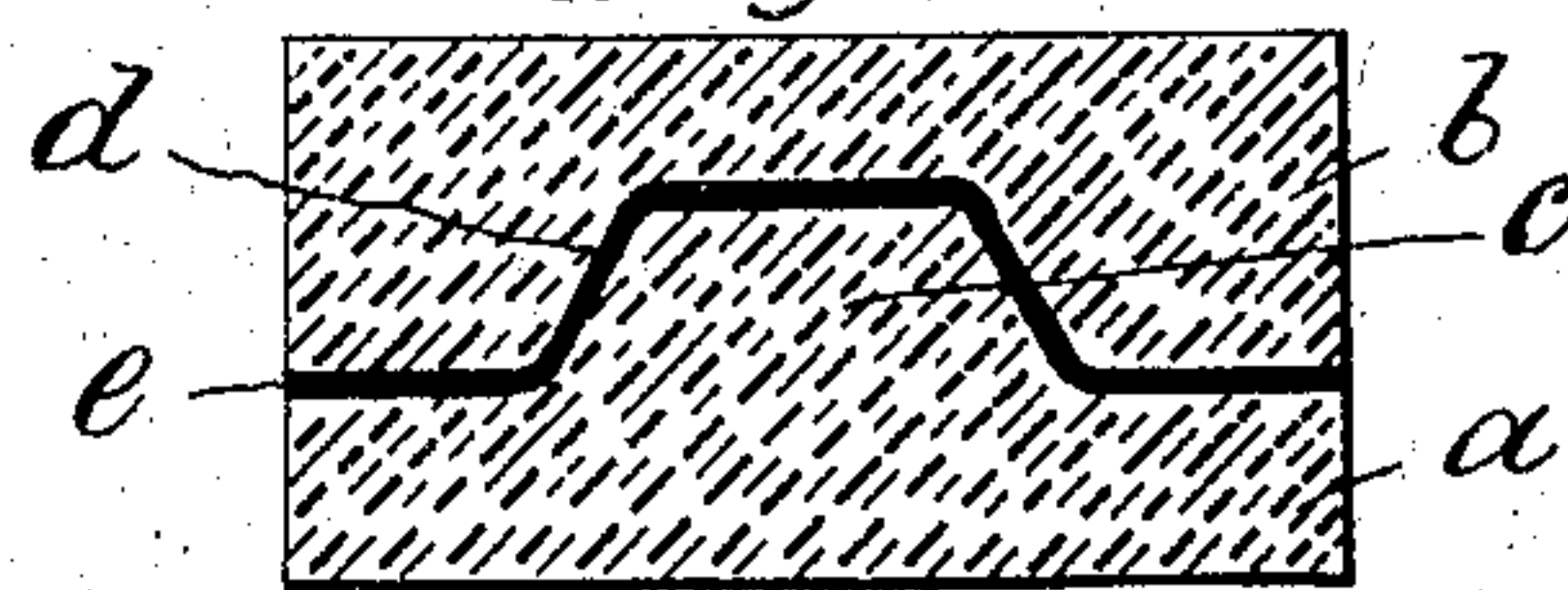


Fig. 6.

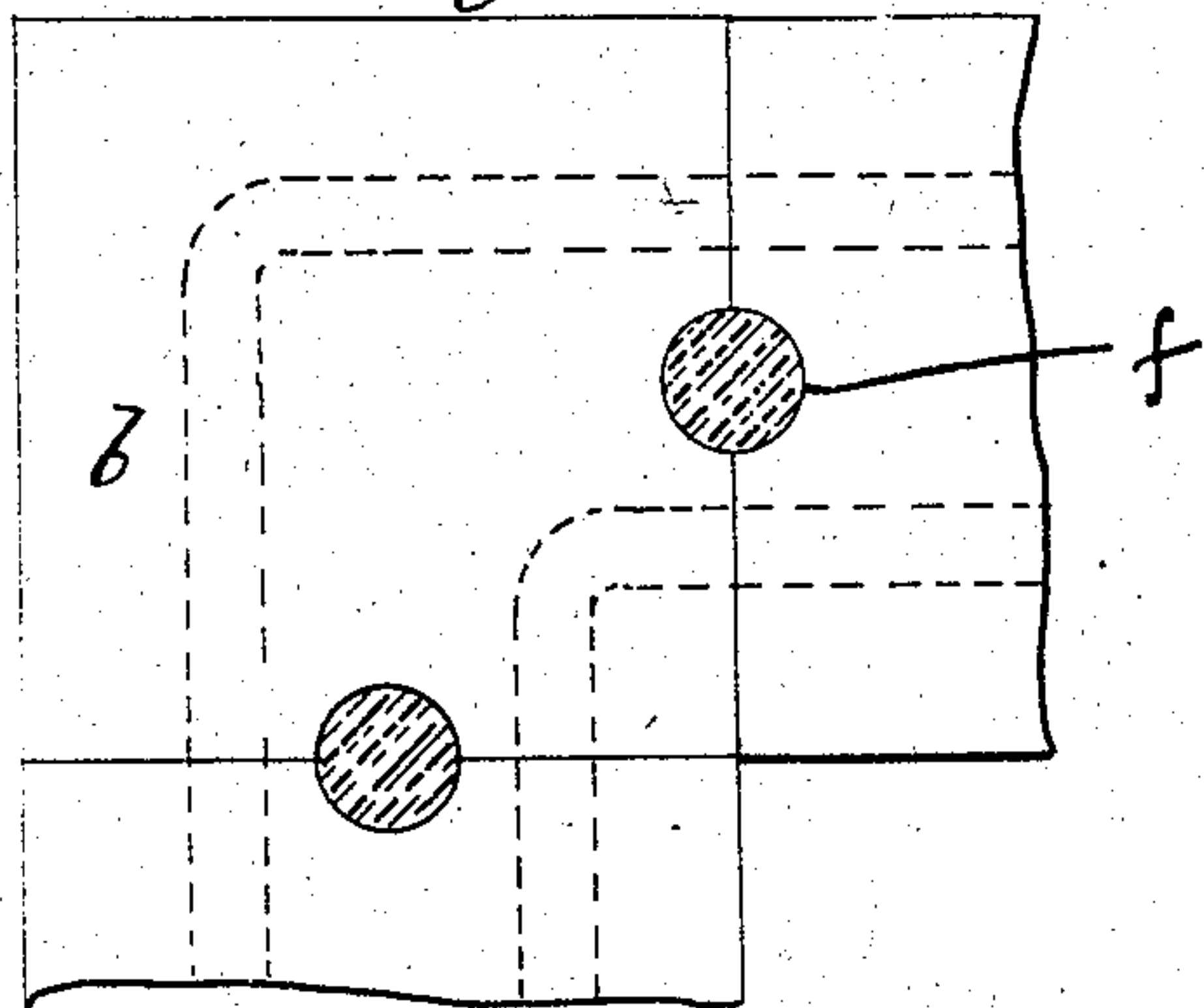


Fig. 7.

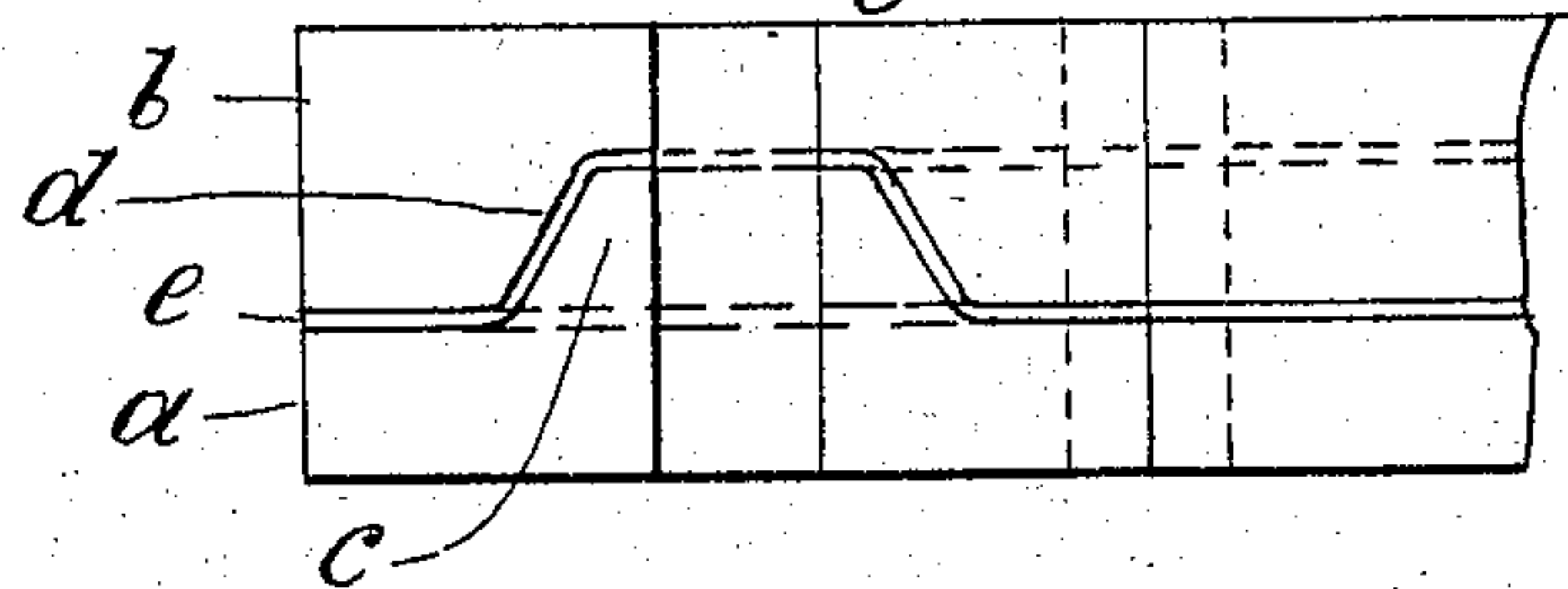
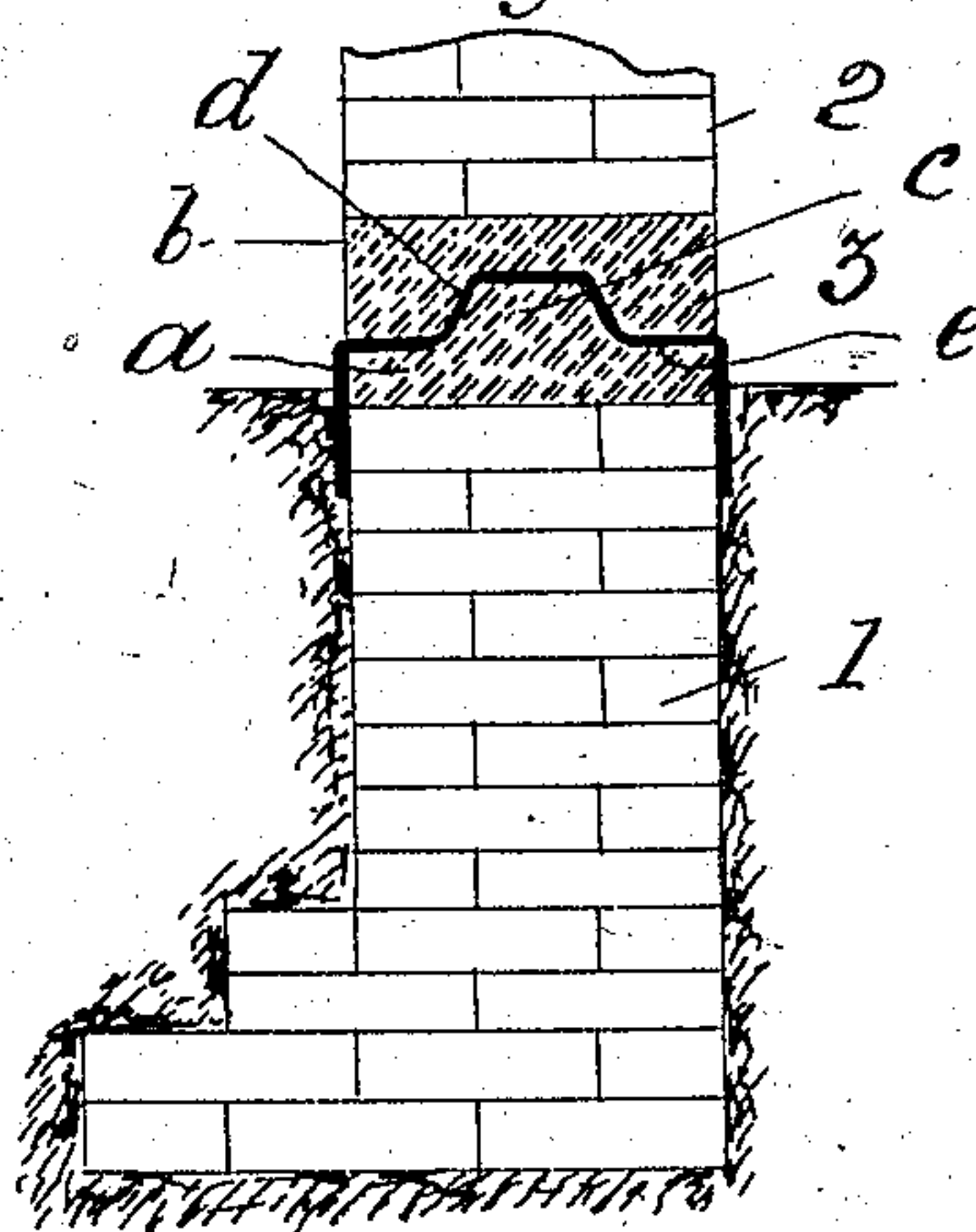


Fig. 1.



WITNESSES:

Allan Clearland
A. O. Bayley.

INVENTOR.

Robert B. Hansell,
BY Wm. H. T. Howard,
ATTORNEYS.

UNITED STATES PATENT OFFICE.

ROBERT B. HANSELL, OF BALTIMORE, MARYLAND.

MOISTURE-PROOF BLOCK.

SPECIFICATION forming part of Letters Patent No. 791,775, dated June 6, 1905.

Application filed November 26, 1904. Serial No. 234,342.

To all whom it may concern:

Be it known that I, ROBERT B. HANSELL, of the city of Baltimore and State of Maryland, have invented certain Improvements in Moisture-Proof Blocks to be Used in the Construction of Buildings, of which the following is a specification.

The object of this invention is to prevent the transmission of moisture from the foundation of a building to the walls above; and it consists in a peculiar construction of a course of moisture-proof blocks which are situated between the foundation and the walls, as will hereinafter fully appear.

In the further description of the said invention which follows reference is made to the accompanying drawings, forming a part hereof, and in which—

Figure 1 is a cross-section of a part of the foundation and the outside wall of a building embodying the present invention. Fig. 2 is an enlarged cross-sectional view of the moisture-proof blocks shown in Fig. 1. Fig. 3 is a top view of Fig. 2. Figs. 4 and 5 are views similar to Figs. 2 and 3, illustrating a modification in the construction of the moisture-proof blocks. Figs. 6 and 7 illustrate the construction of the moisture-proof blocks where the same are used at the corners of the building.

Referring now to the drawings, 1 represents the foundation of the building, and 2 the outside wall. Between the foundation and the wall is placed a course of blocks 3 of concrete or similar material, which are in two parts or sections *a* and *b*, one section being provided with a tongue *c* and the other with a groove *d* in order that neither section can have lateral movement independent of the other, the two sections forming practically one piece or body. Between the sections *a* and *b* is interposed a coating of asphalt applied hot or a layer or sheet *e* of some flexible waterproof material—such, for instance, as what is generally

described as tar or asphalt paper—and by preference the asphalt-paper extends beyond the blocks and is carried downward, so as to lap the upper part of the foundation and prevent actual contact of the earth therewith at that point.

The block shown in Figs. 2 and 3 is of plain rectangular shape as seen from the top and is in its simplest form.

In Figs. 4 and 5 the block has a tongue at one end and a groove at the other in order that the blocks in the whole course may be locked together.

A corner-block is shown in Figs. 6 and 7, and instead of the tongue-and-groove construction shown in Figs. 4 and 5 the adjacent faces of the blocks are provided with recesses *f*, and into the hole formed by two of these recesses is poured grouting, cement, or similar material, which upon hardening keeps the blocks together and produces an effect substantially the same as the tongue-and-groove construction shown in Figs. 4 and 5.

To prevent the asphalt-paper being cut or disrupted by stretching in its application to the blocks, the corners of the tongue and groove are rounded, as shown.

I claim as my invention—

A moisture-proof block for the purpose described, formed in two horizontal sections, one section having a groove, and the other section a tongue adapted to enter the groove and a body of waterproof material interposed between the two sections, and which is provided with a tongue at one end, and a groove at the other, whereby series of such blocks may be made to interlock in the formation of a longitudinally-extending course, substantially as specified.

ROBERT B. HANSELL.

Witnesses:

OREGON MILTON DENNIS,
WM. T. HOWARD.