

H. MacKENZIE.  
DOOR CASING CLAMP.  
APPLICATION FILED NOV. 28, 1908.

990,209.

Patented Apr. 18, 1911.

Fig. 1.

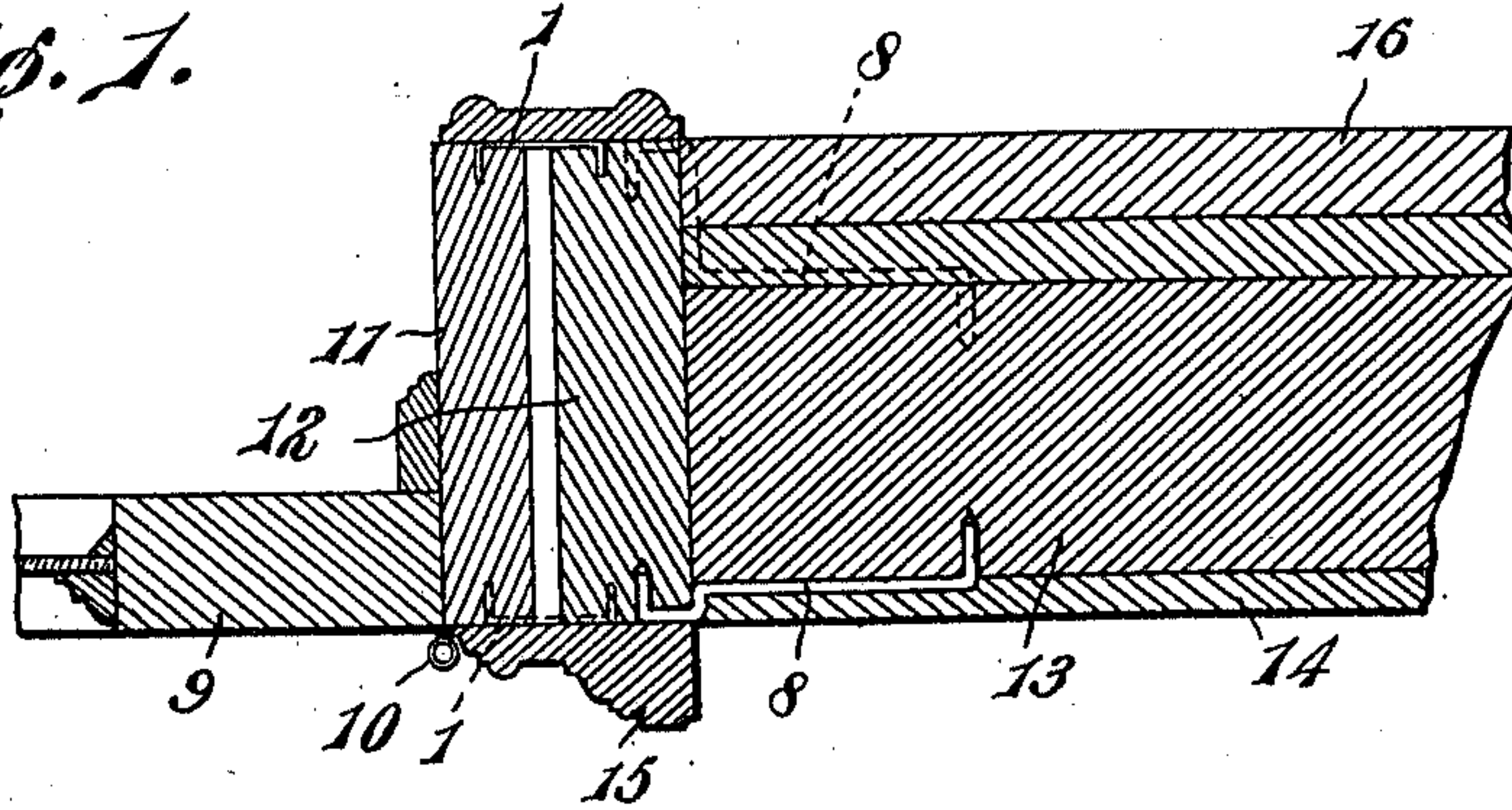


Fig. 2.

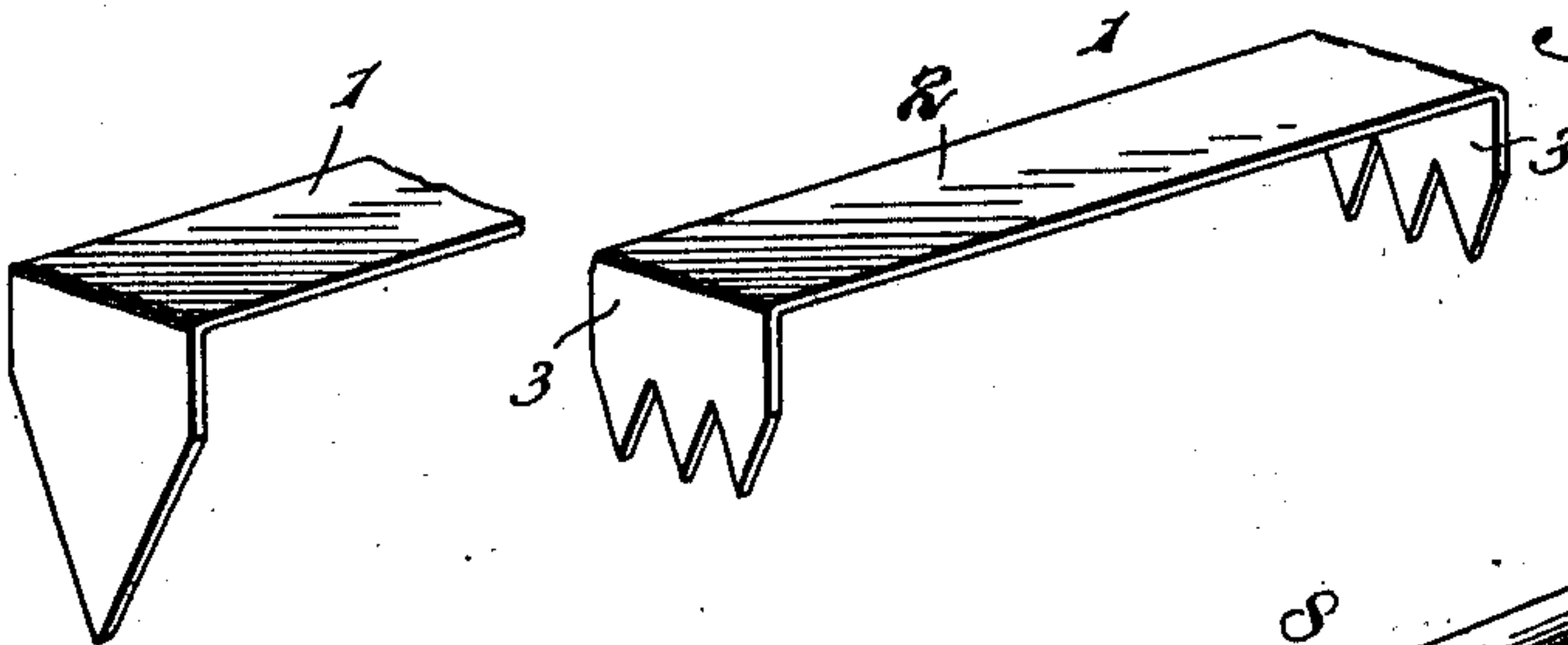


Fig. 4.

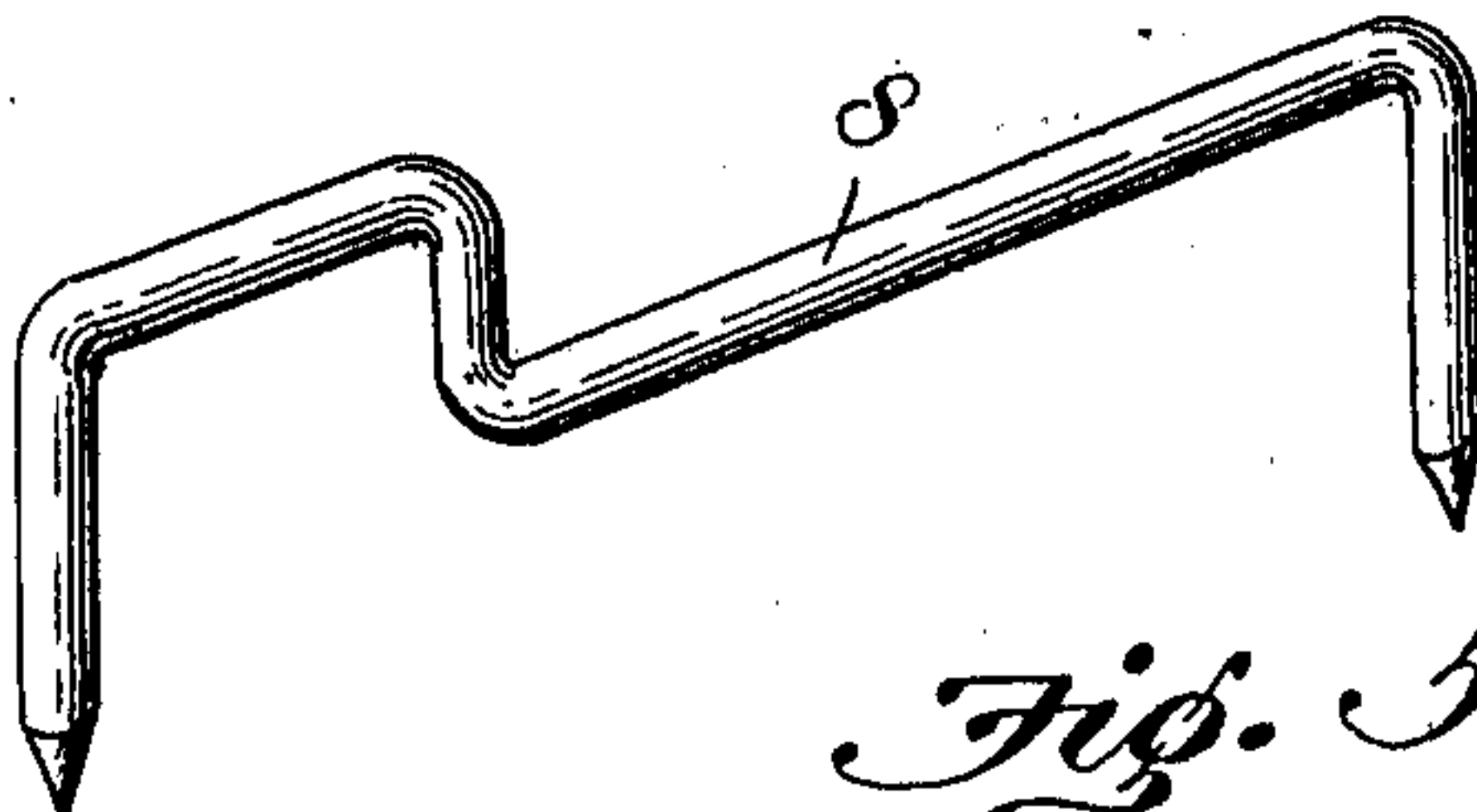
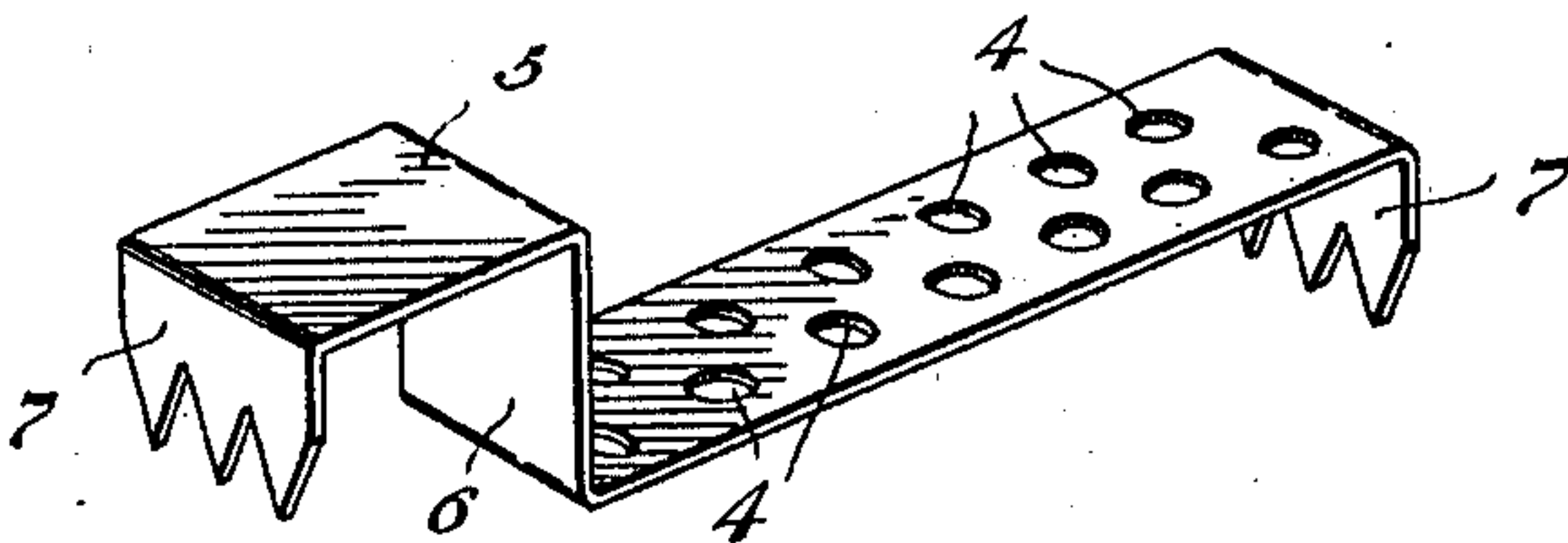


Fig. 5.

Fig. 3.



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# UNITED STATES PATENT OFFICE.

HOUSTON MacKENZIE, OF CHICAGO, ILLINOIS.

## DOOR-CASING CLAMP.

990,209.

Specification of Letters Patent.

Patented Apr. 18, 1911.

Application filed November 28, 1908. Serial No. 464,833.

*To all whom it may concern:*

Be it known that I, HOUSTON MacKENZIE, a citizen of the United States, residing at Chicago, county of Cook, and State of Illinois, have invented certain new and useful Improvements in Door-Casing Clamps, of which the following is a specification.

My invention relates to improvements in means for securing tiles to wooden door casings or other wooden parts used in connection with tiles in building construction.

The object of my invention is to provide a simple and efficient clamp adapted to be used as a bond between tiles and wooden parts adjacent thereto.

A further object of my invention is to provide a modified form of clamp to be particularly adapted for securing wooden parts together.

Other objects will appear hereinafter.

With these objects in view, my invention consists in such a novel construction and arrangement of parts all as will be hereinafter fully set forth and particularly pointed out in the claim hereto appended.

My invention will be more readily understood by reference to the accompanying drawings forming a part of this specification and in which,

Figure 1 is a horizontal transverse section showing the application of my improved clamp and a modification thereof in the wall of a building, Figs. 2 and 3 are perspective views of two forms of clamps particularly adapted to bonding wood to wood, Fig. 4 is a view showing a portion of the clamp similar to that shown in Fig. 2 but with a modified form of end, and Fig. 5 is a perspective view of a clamp especially adapted for bonding tiles with wood.

Referring now to the drawings 1 indicates a bond or clamp preferably of sheet metal having a rectangular body portion 2 and serrated ends 3 disposed perpendicularly thereto.

The form of bond or clamp shown in Fig. 3 is similar to that shown in Fig. 2 except that perforations 4 and an off-set 5 are provided, the former adding to the efficiency of the bond when plastering is applied after said bond is driven into position and the latter being a necessary provision when the

door jambs or casings are wider than the thickness of the wall to which they are to be secured. The portion 6 of the bond shown in Fig. 3 is perpendicular to the perforated body portion and to the off-set portion 5, the serrated ends 7 being perpendicular to said portions and parallel to each other. The form of end shown in Fig. 4 may also be used in the bond shown in Fig. 3, if desired, in certain classes of work.

The modified form of bond shown in Fig. 5 consists in a small rod pointed at each end and bent into a form similar to the bond shown in Fig. 3. This bond is preferably used for securing casings or studs to tiles, the same being far superior to nails for this purpose.

When once secured in position with the foregoing described bonds door jambs and casings will remain permanently in position, it being well known that nails give way after a lapse of time and cause the door jambs to bind the door.

In Fig. 1 the door 9 is hinged by means of the hinge 10 to the door jamb or casing 11, and said casing is secured to the stud 12 by means of the bond 1 as shown. As many bonds 1 may be used as desired. A stud 12 is secured to the tiles 13 by means of the bonds 8, the plastering 14, wood molding 15 and novel facing 16 being applied after the parts are securely bonded. This construction is an example of the various ways in which the bonds may be used in securing wood to wood and wood to tiles in building construction.

While I have shown what I deem to be the preferable forms of my improved clamps or bonds, I do not wish to be limited thereto as there might be many modifications of the same comprehended within the scope of my invention.

Having described my invention what I claim as new, and desire to secure by Letters Patent, is:

As an article of manufacture a bond formed of wire and comprising an end portion, a portion bent at right angles thereto, a portion bent at right angles to the last said portion and parallel with said end portion, a portion of considerable length at right angles to the last said portion and a

second end bent at right angles to the last  
said portion, said end portions being parallel  
and extending in the same direction, said  
ends being sharpened and all of said por-  
5 tions being in the same plane, substantially  
as described.

In testimony whereof I have signed my

name to this specification in the presence of  
two subscribing witnesses.

HOUSTON MACKENZIE.

Witnesses:

JANET E. HOGAN,  
HELEN F. LILLIS.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,  
Washington, D. C."