

J. P. ELLACOTT.
Door-Check.

No. 215,900.

Patented May 27, 1879.

Fig 1

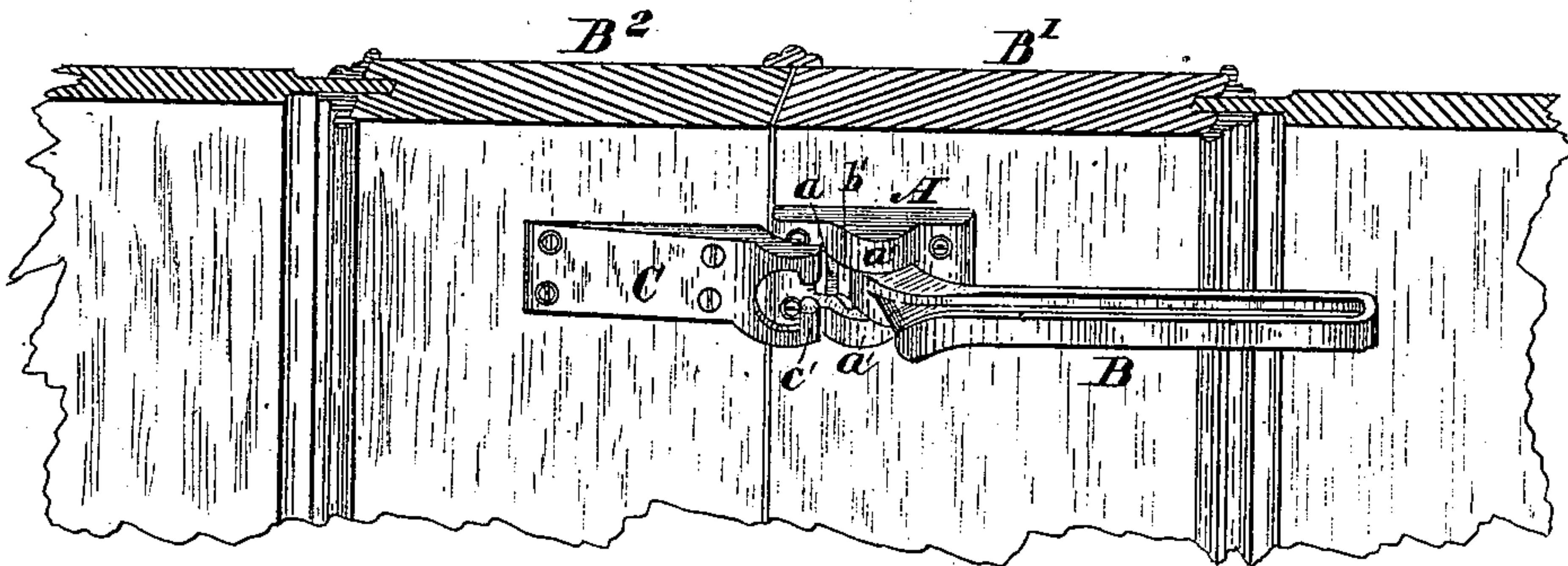


Fig 2

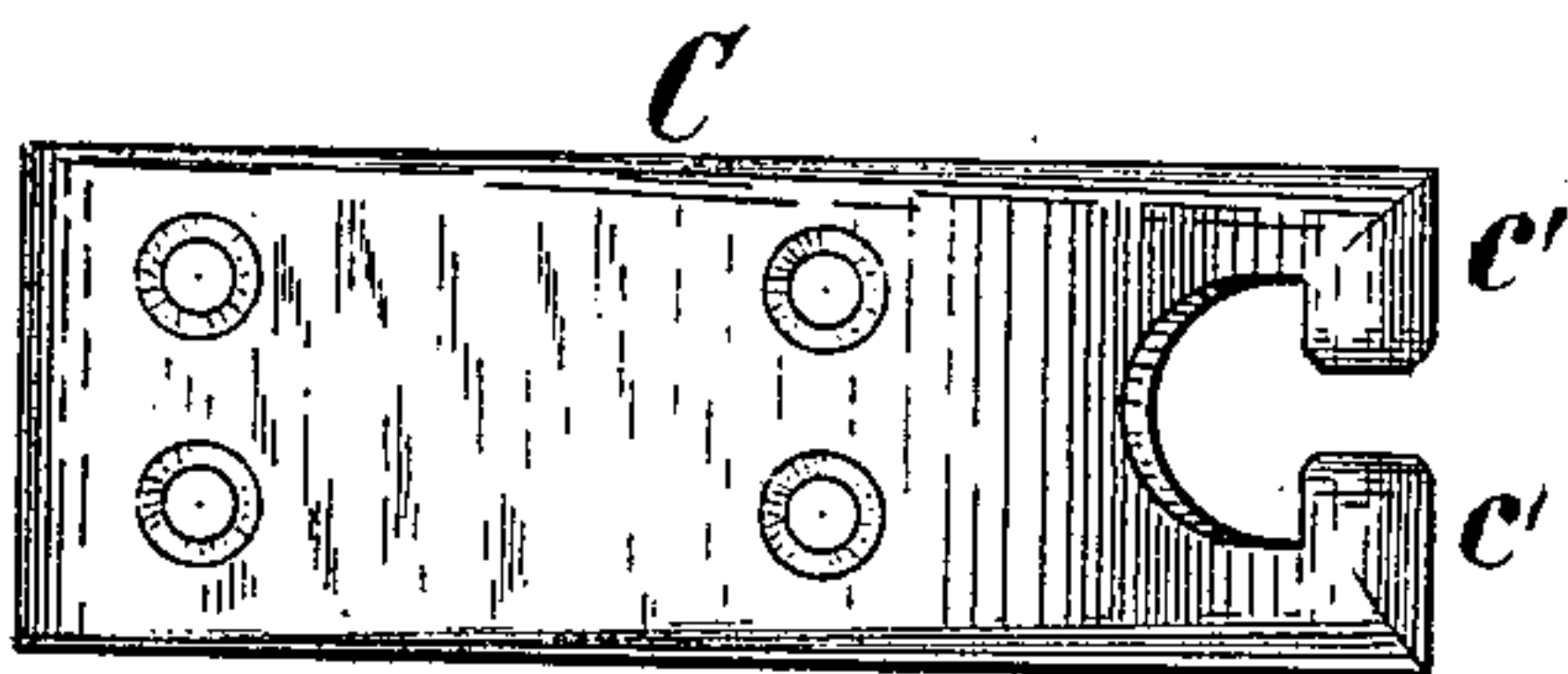
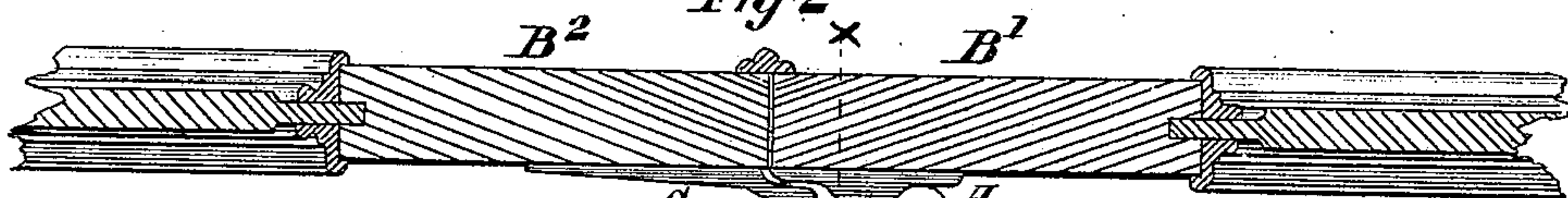


Fig 5

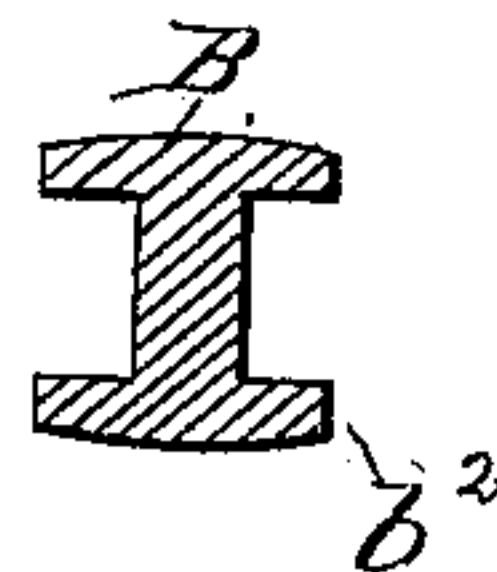


Fig 3

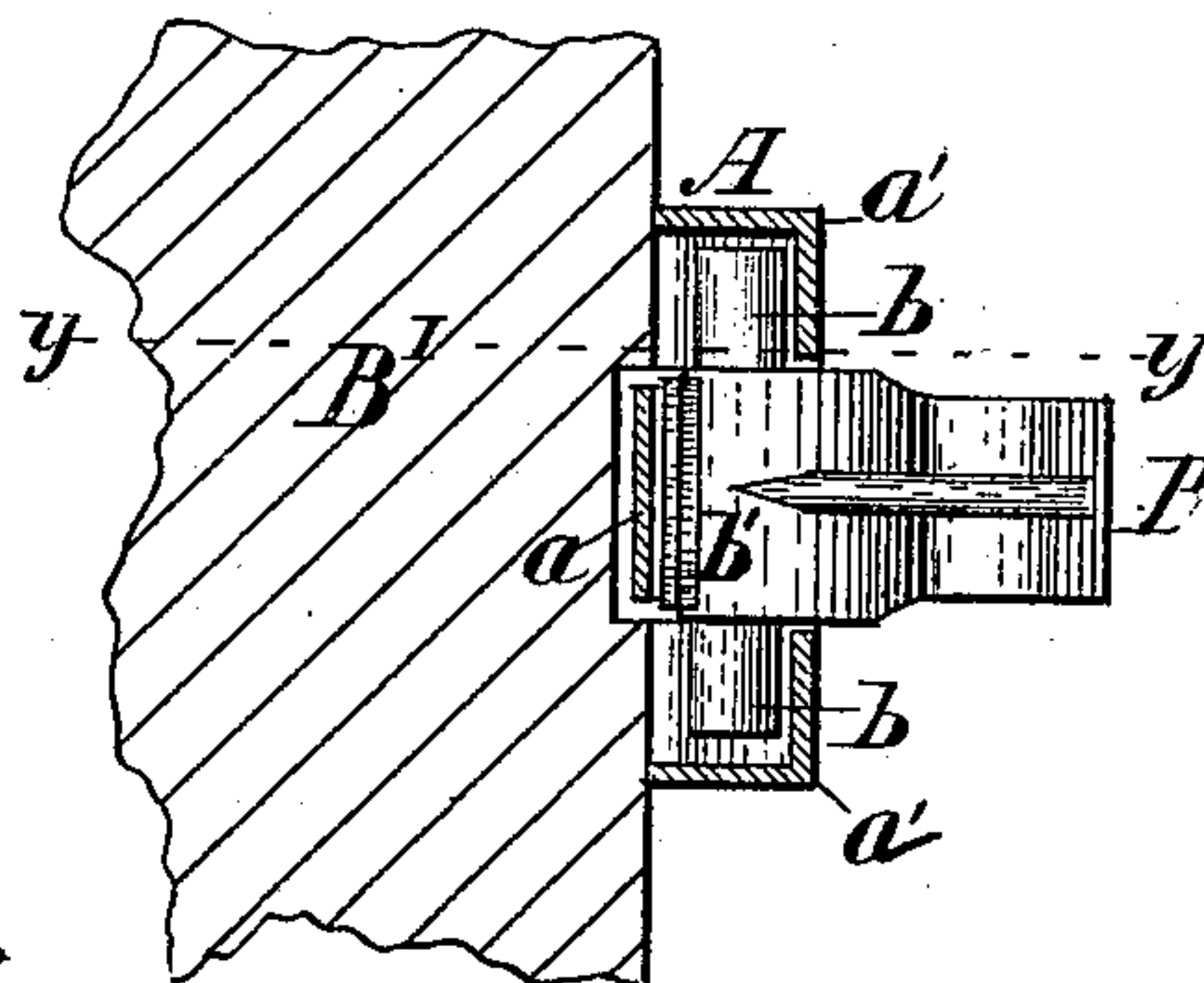
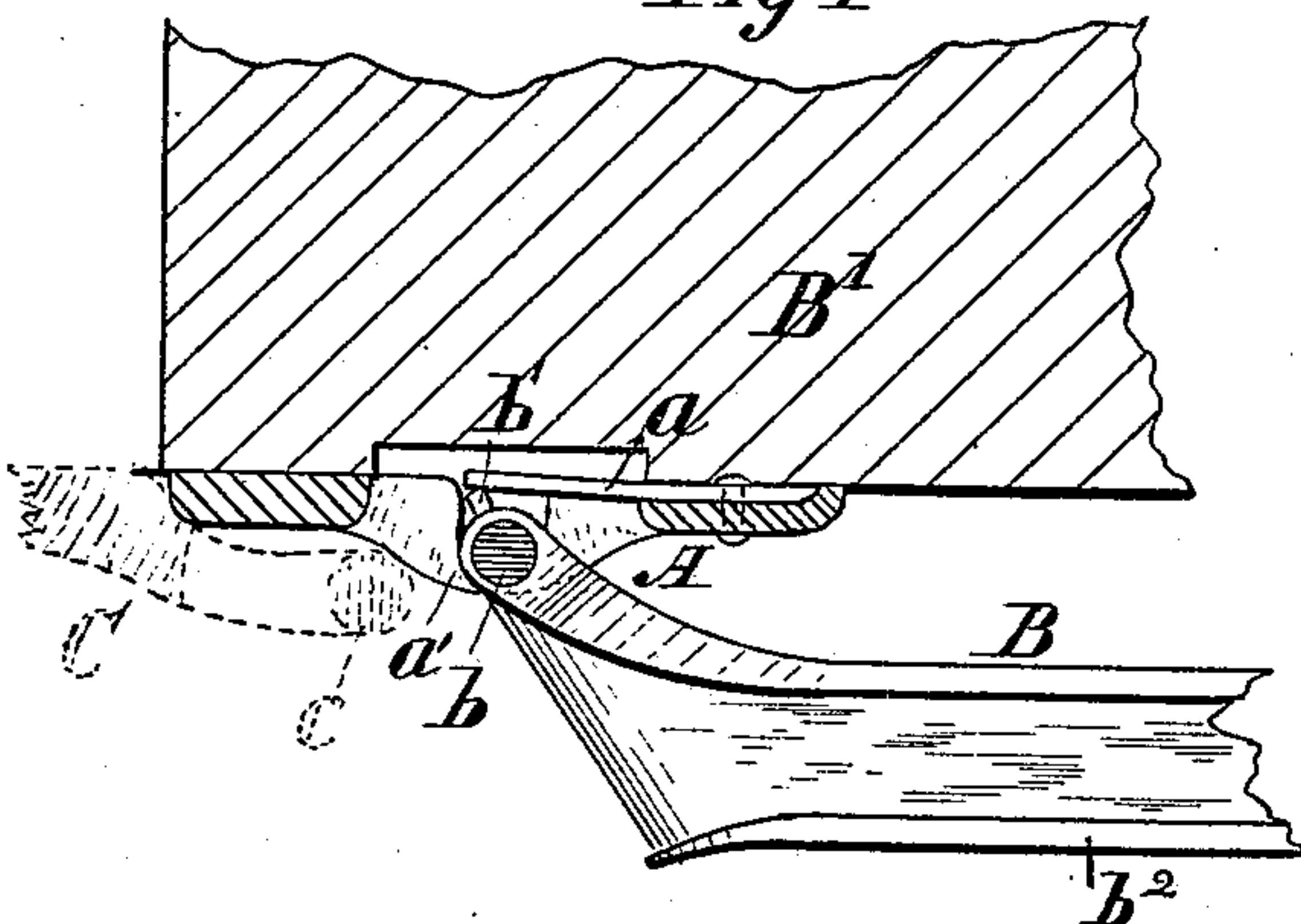


Fig 4



Witnesses

W. C. Corlies

Jno. C. MacGregor

INVENTOR

Joseph P. Ellacott

UNITED STATES PATENT OFFICE.

JOSEPH P. ELLACOTT, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN DOOR-CHECKS.

Specification forming part of Letters Patent No. **215,900**, dated May 27, 1879; application filed October 28, 1878.

To all whom it may concern:

Be it known that I, JOSEPH P. ELLACOTT, of the city of Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Protection Door-Guards, of which the following is a specification.

The invention relates to outside door-fastenings that permit the door to be opened a few inches to enable the person inside to see who is outside the door before throwing it wide open, and thereby guarding against improper intrusion.

Heretofore reliance has been placed mainly in chain-bolts for the purpose for which my invention is intended, to which there are serious objections.

In use people seldom hang the bolt in its place in their haste to open the door, but let it drop to swing by the chain, striking the door or jamb in its fall, knocking off the paint, and otherwise defacing the same, or swinging between the doors it jams off the corners and disfigures them, or with strong nippers a man could easily cut one of the links, when it becomes useless.

The object of my invention is to provide a strong, simple, durable, and cheap protection door-guard free from the objections against the others, and said invention is hereinafter fully described and definitely claimed.

The invention may be fully understood by the aid of the accompanying drawings.

Figure 1 is a perspective. Fig. 2 is a plan. Fig. 3 is a detail section on a large scale of the hinge plate and bar, taken on the line *x*, Fig. 2. Fig. 4 is a similar section, taken on the lines *yy*, Fig. 3, and Fig. 5 is the catch.

The hinge-plate A is secured to the stationary door B¹, and is cast with boxes *a'*, having a hole between, through which the bar B can easily pass, so that the bosses *b* are retained in the boxes *a'*, forming the hinge for the bar B to swing in and out of catch. Said bar may be retained in either position by the spring *a* fastened to the plate A.

The bar B is cast of **H** form, in section having the flanges continued around and closing one end. The flanges at the other end are a little wider apart to facilitate the entrance of

the bosses *c'* on the catch C, one of them being thicker toward the end, and carried out farther than the other, having two bosses, *b*, opposite each other at the end of it on which it swings in plate A.

The small projection *b'*, upon which the spring *a* bears, retains the bar B in position in or out of use.

The catch C is fastened with screws to the opening door B², and has two projecting arms having bosses *c'* facing each other, so as to catch in the bar B and slide in the grooves formed by the flanges.

Except the spring, all the parts may be cast of any suitable metal, and used without any fitting or finishing, or they may be finished in the most artistic manner.

The operation of the protection door-guard is as follows: The bar B, by the plate A, being fastened to the jamb or stationary door with screws, the catch C in like manner to the door, so that the rib of the bar B will pass between the bosses *c'* of the catch C, the door can be opened until the bosses *c'* reach the end of the grooves in the bar B, which being retained in its position by the spring *a*, it is evidently impossible for any person to unlock the guard from the outside.

What I claim is—

1. The combination of the plate A with the retaining-spring *a* and the grooved bar B, substantially as shown and described.

2. The combination of a bar, B, of **H** form in section, the flanges continuing around and closing the outer end, and the catch C, having arms with bosses adapted to engage the flanged bar, substantially as shown, and for the purpose specified.

3. The combination of the hinge-plate A, with the boxes *a'* and the spring *a*, and the bar B, with flanges *b'*, and bosses *b*, with projection *b'*, and the catch C, with bosses *c'*, when constructed and arranged substantially as described, and for the purpose set forth.

In testimony of which I do hereunto set my hand this 19th day of October, 1878.

JOSEPH P. ELLACOTT.

Witnesses:

JNO. C. MACGREGOR,
W. C. CORLIES.