A. B. HOWARD.

DOOR FASTENER.

APPLICATION FILED JUNE 24, 1916.

1,290,560. Patented Jan. 7, 1919.

Fig. 1.

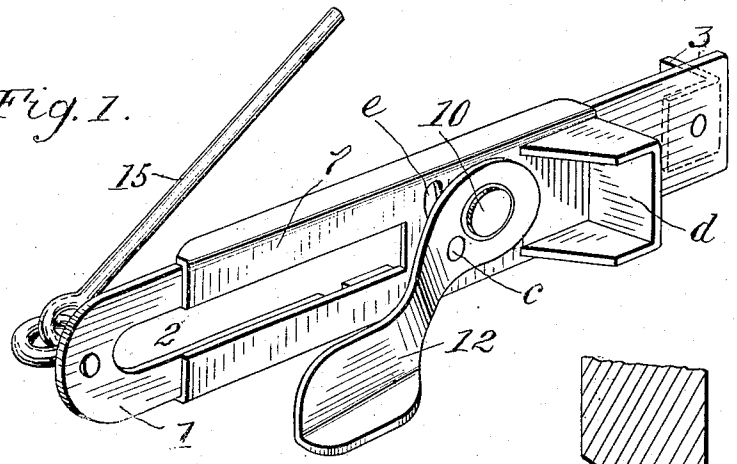


Fig. 2.

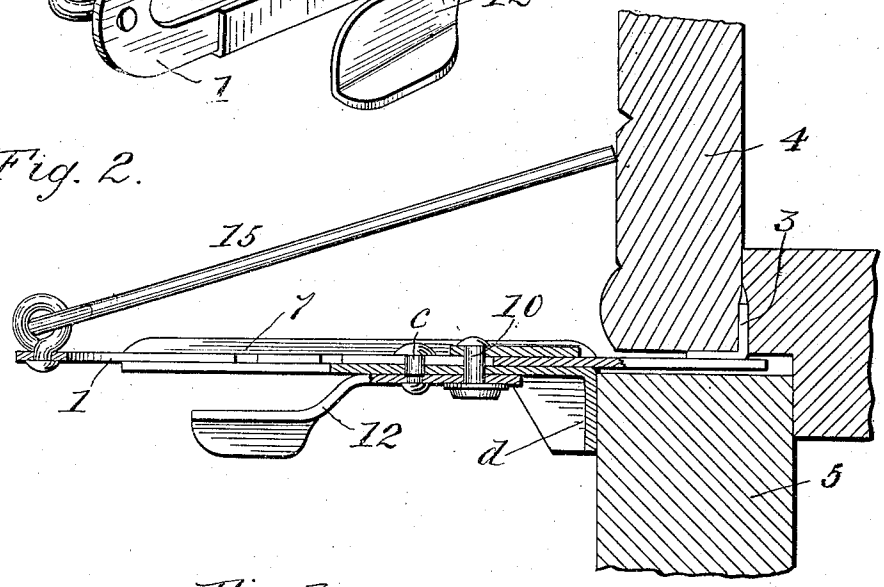
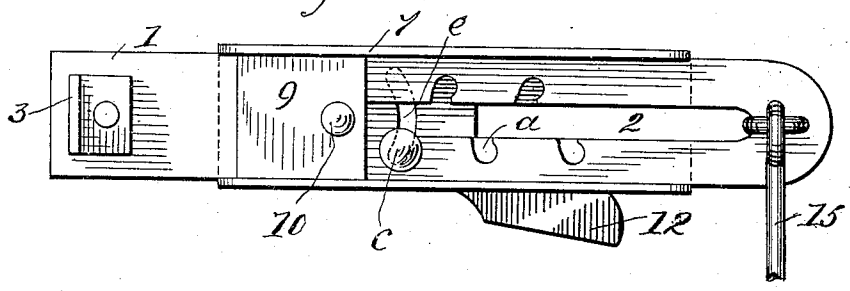


Fig. 3.



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UNITED STATES PATENT OFFICE.

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DOOR-FASTENER.

1,290,560. Specification of Letters Patent. Patented Jan. 7, 1919.

Application filed June 24, 1916. Serial No. 105,544.

To all whom it may concern:

Be it known that I, ALLEN B. HOWARD, a citizen of the United States, residing at Staten Island, New York, have invented new and useful Improvements in Door-Fasteners, of which the following is a specification.

This invention relates to an improved fastener to secure a room door, in a closed condition, from the inside; and is useful should the door be unprovided with a lock, or has a lock which could not be depended upon to prevent intrusion.

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

Figure 1 is a perspective view of the improved door fastener, and Fig. 2 a partly sectional top view of the device and parts of the door and frame.

Fig. 3 is a face view of Fig. 2 showing the device as turned end for end.

Referring now to the drawing, 1 is a narrow plate having therein a longitudinal slot 2 with notches *a* leading therefrom, and provided with a holder 3 which is riveted thereto.

The holder 3 is adapted to be forced into the door frame 4 and when in use is situated between the door frame and the edge of the door 5, as shown in Fig. 2.

7 is a second plate adapted to slide longitudinally of the first, and it is prevented from removal by means of a short plate 9.

The two sliding plates are connected together by means of a rivet 10 which passes loosely through them, and its head is fastened to a latch 12 carrying a pin *c* adapted to enter any one of the notches *a* and thereby prevent longitudinal movement of the slide independently of the plate 1, and its inner end *f* which is bent to a right angle with respect to its remaining portion.

It will be understood that when the bent portion *d* of the slide is brought up to the door, the pin *c* which passes through a segmental slot *e* in the sliding plate is made to enter one of the notches *a*, the door is held firmly against the door frame 4 and cannot be opened until the said pin is swung either up or down from the notch to the longitudinal slot 2 when the sliding plate becomes loose and the door can be opened.

As in any effort to open the door when secured, would result in the device being bent, I link to the free end of the plate 1 a brace rod 15, the free end of which is forced against the face of the door frame 4, as shown in Fig. 2.

I claim as my invention:—

In a door fastener, a plate having a slot and a series of notches, a holder attached to said plate and adapted to enter between the door and the frame; a slidable plate adapted to move longitudinally of said first plate and provided with a semicircular slot, a latch lever pivoted to said slidable plate the pivot passing loosely through said first plate, a pin attached to said latch lever movable within said segmental slot and adapted to enter any one of the notches in said first plate, and a brace rod linked to said first plate, the free end of which rod being adapted to be forced against the face of the door frame.

ALLEN B. HOWARD.

Witnesses:
EDWARD BIGGS,
LOUISE BIGGS.

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