(No Model.)

W. COE.

DOOR SECURER.

No. 290,400. Patented Dec. 18, 1883.

Fig. 1

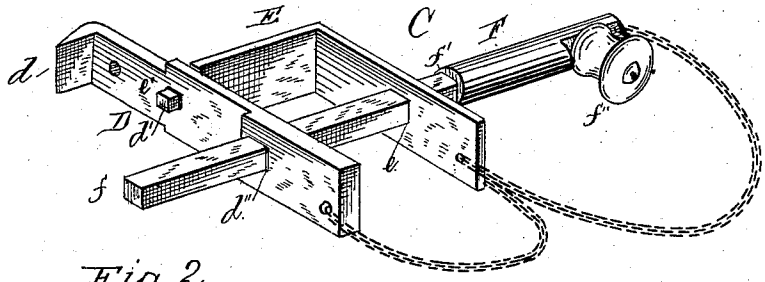


Fig. 2.

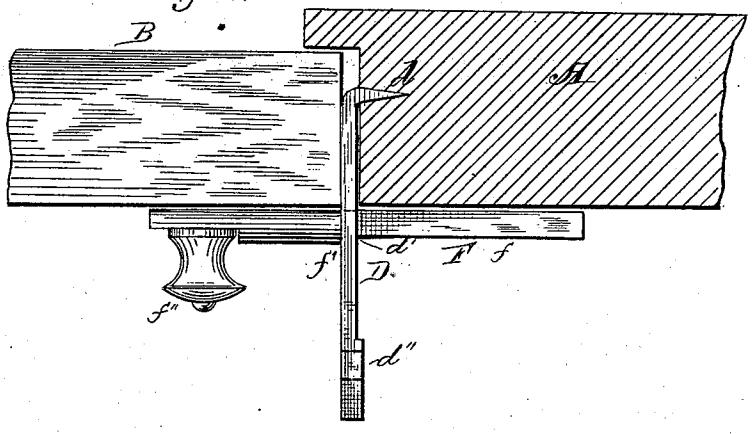
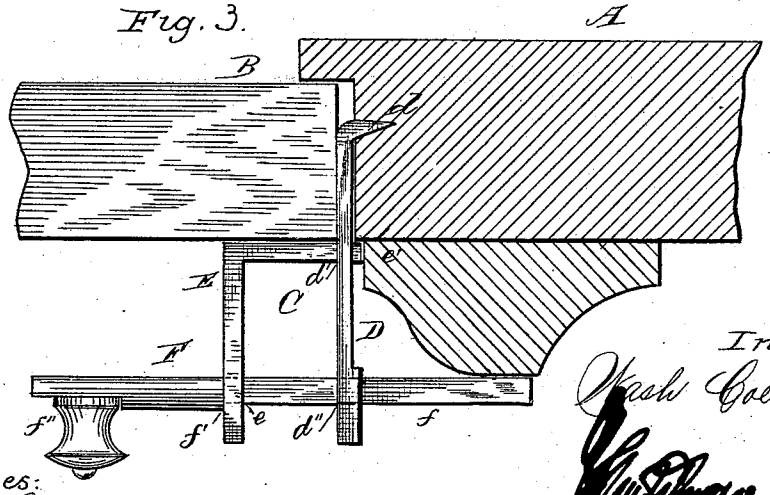


Fig. 3.



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WASH COE, OF LEAVENWORTH, KANSAS.

DOOR-SECURER.

SPECIFICATION forming part of Letters Patent No. 290,400, dated December 18, 1883.

Application filed June 21, 1883. (No model.)

To all whom it may concern:

Be it known that I, WASH COE, a citizen of the United States of America, residing at Leavenworth, in the county of Leavenworth and State of Kansas, have invented certain new and useful Improvements in Door-Securers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

This invention relates to certain new and useful improvements in portable door fasteners or securers; and it consists in the construction and combination of the parts, as will be hereinafter more fully set forth, and pointed out in the claims.

In the annexed drawings, which illustrate my invention, Figure 1 is a perspective view. Fig. 2 is a sectional view, showing the same applied to a door having a frame flush therewith; and Fig. 3 is a similar view, showing the securer applied to a door having a raised frame.

A represents the door-frame adjacent to the edge of the door B, said frame being shown, as in Fig. 2, flush with the edge of the door, while in Fig. 3 the frame is provided with a molding which projects beyond the edge of the door.

C represents my improved fastener, which consists of three parts, D, E, and F, these parts being flexibly attached to each other by a chain or cord.

D represents a plate, which is provided at one end with an angular projection or spur, *d*, which has a sharpened edge. This plate is also provided with perforations *d'* and *d''*, which perforations are preferably rectangular in shape and on a line with each other. This flanged plate D is also provided between the perforation *d'* and the projection *d* with a suitable screw-hole, through which a screw may be passed to make the plate fast to the door-frame, after the projection has been embedded therein, when it is desirable to use the door-securer as a permanent fixture. This plate D may be increased in thickness at its end adjacent to the perforation *d''*.

F represents a sliding bolt, one end of which is rectangular in shape, as shown at *f*, and it is provided with a shoulder, as shown at *f'*. The outer end of this bolt is also provided with a suitable knob or thumb-piece, *f''*, which is firmly attached to the bolt.

The parts of my invention hereinbefore described may be used independently of the piece E when it is desirable to secure a door which is flush with the frame, as shown in Fig. 2, the plate D being secured to the frame by pressing the projection or spur *d* in the same, so that the perforation *d'* will project slightly beyond said frame. When the door is closed, the bolt is passed through the perforation *d''*, and it will thus prevent the door from being opened.

In case the frame is provided at its edge adjacent to the door with a molding, it will be necessary to provide additional means for securing the same, as the bolt could not be passed through the perforation *d''*, owing to the projecting frame; and to obviate this defect, which is common in this style of door-securers, I provide an angular plate, E, which plate is provided at one end with a rectangular perforation, *e*, and at the other end with a projection, *e'*, which is formed by cutting away the sides adjacent to the end of the plate. This projecting portion *e'* is also rectangular in shape, and when in position the shoulders bear upon the plate D.

When it is desired to secure a door having a raised frame, the plate D is secured to the frame, substantially as hereinbefore described, and the plate E, having the projection *e'*, is placed in the perforation *d'*, so that the bent portion of said plate will be parallel with the door and bear upon the same, while the projecting portion will be parallel with the plate D. The bolt F is then passed through the perforation *e* in the plate E, and the perforation *d''* in the plate D, which bolt will prevent displacement of the same.

When an attempt is made to open the door, a pressure is applied to the same, which will cause the plate E to tip slightly, and thus bind the parts upon each other, owing to the perforations being rectangular in shape.

This portable bolt or door-securer will be especially useful to travelers and others who are frequently compelled to sleep in rooms

having insecure door-fasteners, as it can be applied in an instant and will furnish a perfectly-secure fastener.

The bolt F should be several inches in length, so that a considerable portion of the same will project beyond the plate D, when the angular plate E is used, and this is desirable when the door does not fit close to the jamb, as when pressure is brought to bear by forcing the door upon the plate E it will tilt the same and throw it toward the frame, and when the fastener is partially displaced by such pressure the end of the bolt will bear upon the molding and prevent the same from being farther displaced.

As this device is intended to be carried by a person, the parts are all attached to each other by a flexible connection, and the plate E, when placed upon the bolt F, will serve as a protection against the sharp end of the plate D, as said plate may be passed over the bolt when the same is passed through the perforation d', and this end, with the projection formed thereon, will lie within the angular portion of the plate E.

I am aware that prior to my invention it was not new to provide a door-securer with a bolt or with a plate having projecting spurs, and I do not claim such as my invention.

What I claim as new, and desire to secure by Letters Patent, is—

1. In combination with the plate D, having a projecting spur and perforations d' and d'', the angular plate E, perforated at one end and provided with a shouldered projection, e', at the other end, and the sliding bolt F, the parts being organized and combined substantially as shown, and for the purpose set forth.

2. In a portable door-fastener, the combination of the plate D, adapted to be inserted within the frame, and provided with an angular projection at one end and rectangular openings d' and d'', the angular plate E, provided with projecting portion e' and rectangular perforation e, and bolt F, adapted to slide within the perforations, and provided with a thumb-piece f'', the parts being flexibly connected and attached to each other, substantially as shown.

In testimony whereof I affix my signature in presence of two witnesses.

WASH COE.

Witnesses:
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