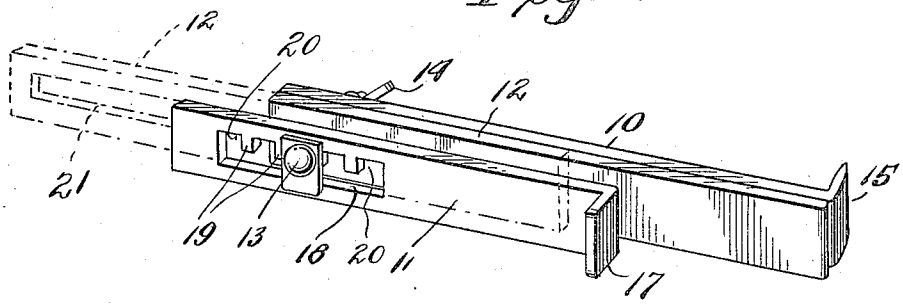
R. NIES & W. BOWEN.

DOOR FASTENER.

APPLICATION FILED JULY 7, 1914.

1,165,895. Patented Dec. 28, 1915.

Fig. 1.



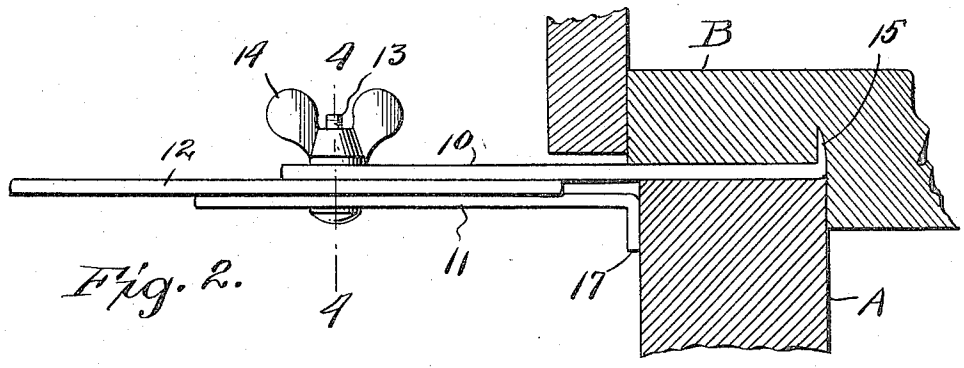


Fig. 2.

Fig. 3.

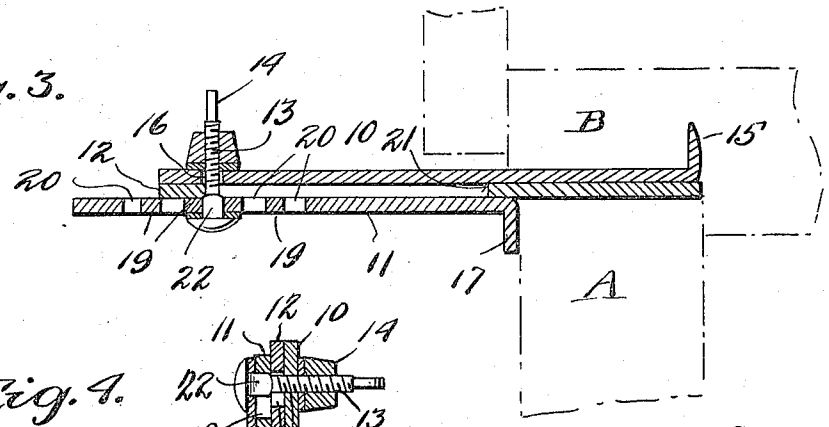


Fig. 4.

Witnesses

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DOOR-FASTENER.

1,165,895. Specification of Letters Patent. Patented Dec. 28, 1915.

Application filed July 7, 1914. Serial No. 849,535.

To all whom it may concern:

Be it known that we, RANNIE NIES and WILLIAM BOWEN, citizens of the United States, residing at Cincinnati, in the county of Hamilton, State of Ohio, have invented certain new and useful Improvements in Door-Fasteners; and we 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.

This invention relates to improvements in door fasteners and has particular reference to an article adapted for use independently of the ordinary door securing means whereby a door may be securely held in closed position against opening from without.

An object of the invention resides in the provision of a simple and inexpensive device of this character that may be readily applied in operative position on a door, easily removed therefrom and placed in small compass for convenience in traveling, and one in which the various elements are relatively adjustable to permit of its adaptation to doors of various degrees of thickness.

With the above and other objects in view, the invention consists in the construction, combination and arrangement of parts set forth in and falling within the scope of the appended claims.

In the drawings: Figure 1 is a perspective view of a door fastener constructed in accordance with the invention, Fig. 2 is a top plan view thereof applied to a door, and with the wedge plate withdrawn, Fig. 3 is a longitudinal sectional view therethrough, with the wedge plate in its operative position, and Fig. 4 is a transverse sectional view on the line 4—4 of Fig. 2.

Referring now more particularly to the drawings, the fastener comprises, essentially, the jamb plate 10, stop plate 11 and wedge plate 12, said plates being adjustably connected together by means of a bolt 13, a wing nut 14 being threadedly engaged with said bolt and adapted to retain the plates in their relative adjusted positions.

In detail, the jamb plate 10 is provided on one end with a sharpened angular projection 15 and adjacent its other end with a bolt receiving opening 16 and, when in use as illustrated in Figs. 2 and 3, is applied to the jamb of a door with the projection 15 entering the wood and retaining the plate in position. For securing the door in closed position, the stop plate 11 is provided with a lateral projection or flange 17 adapted to engage the face of the door when the device is applied, and is further provided with a longitudinal slot 18 having inwardly directed angular teeth 19 formed on one side wall thereof which result in similarly formed notches 20 communicating therewith.

The wedge plate 12 is likewise formed with a longitudinal slot 21, and when the device is assembled, is disposed between the plates 10 and 11, the bolt 13 passing through the slot and permitting of free movement of the plate into and out of operative position with respect to the door. To assemble the device, the bolt 13 is passed through the slot 18 in the plate 11 with its squared shoulder 22 engaging in one of the notches 20 thereof and through the slot 18 and opening 16 in the wedge and jamb plates respectively, the wing nut 14 being then engaged and tightened upon the threaded end of the bolt to secure the plates in their relative positions.

The manner of applying the fastener is as follows: The door A being open and the wing nut 14 loosened to permit the wedge and stop plates to be slid or swung back out of the way, the plate 10 is applied to the jamb B with the angular projection 15 in engagement therewith. The door is then closed as shown in Fig. 2 to force the projection 15 into the jamb whereby the plate is securely held in position. The stop plate 11 is then swung into horizontal position and slid forward on the bolt 13 to bring the flange 16 into engagement with the face of the door, with the squared shoulder 22 of the bolt fitting into one of the notches 20 of the plate, the winged nut 14 then again tightened and the door thus firmly secured. Should the edge of the door extend a distance from the face of the jamb, the wedge plate 12 may be swung into horizontal position and slid forward on the bolt, thus filling the space between the door and jamb as clearly illustrated in Fig. 3.

What is claimed is:

1. A door fastener comprising a jamb plate having a sharpened projection at one end, a slotted stop plate having a flange at one end and notches communicating with the slot and opening through a side wall thereof, a clamping bolt inserted through said plates and engageable in said notches and means engageable with the bolt for retaining said plates in their relative position.

2. A door fastener comprising a jamb plate having a projection at one end, a stop plate having a slotted portion and notches communicating with the slot and opening through a side wall thereof, a clamping bolt passed through said plates and engageable in said notches, a wedge plate disposed between said jamb plate and stop plate and movably engaged with said bolt and means engageable with said bolt for retaining the plates in their relative position.

In testimony whereof, we affix our signature, in the presence of two witnesses.

RANNIE NIES.
WILLIAM BOWEN.

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