

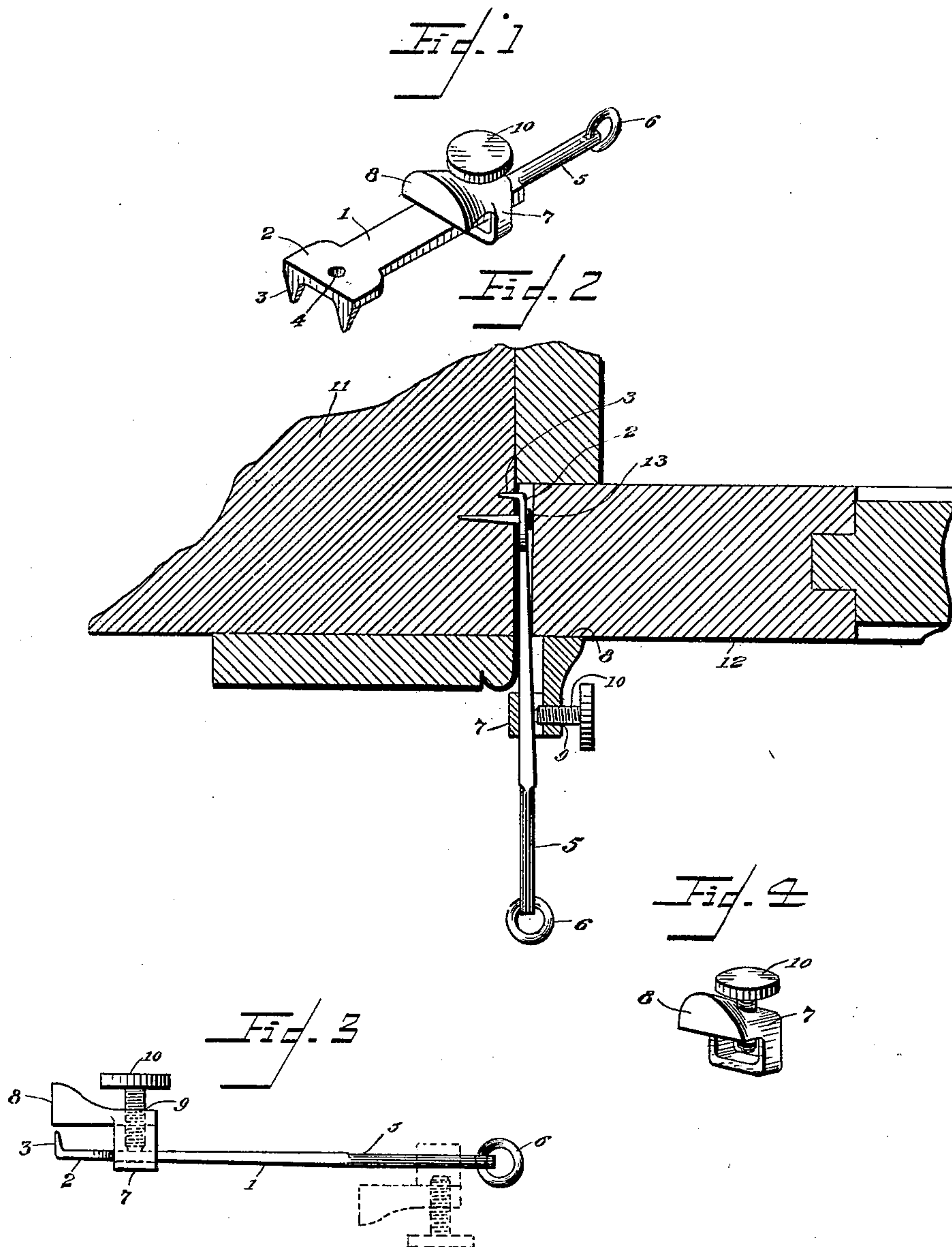
No. 635,892.

Patented Oct. 31, 1899.

H. E. HOLMES.  
DOOR FASTENER.

(Application filed May 15, 1899.)

(No Model.)



Witnesses

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# UNITED STATES PATENT OFFICE.

HOMER E. HOLMES, OF BURR OAK, KANSAS.

## DOOR-FASTENER.

SPECIFICATION forming part of Letters Patent No. 635,892, dated October 31, 1899.

Application filed May 15, 1899. Serial No. 716,908. (No model.)

*To all whom it may concern:*

Be it known that I, HOMER E. HOLMES, a citizen of the United States, residing at Burr Oak, in the county of Jewell and State of Kansas, have invented a new and useful Door and Window Fastener, of which the following is a specification.

This invention relates to door and window fasteners of that class embodying a shank adapted to be clamped between the movable edge of the door and the adjacent door-jamb and carrying an adjustable stop-shoulder adapted to be engaged with the face of the door, so as to prevent the latter from being opened.

The objects of the present invention are to provide an improved device of this character having means whereby the stop-shoulder is tightened by an attempt to open the door and said shoulder is adapted to be adjusted to cover the teeth or prongs of the device when the same is carried in a pocket of the clothing.

With these objects in view the invention consists in the construction and arrangement of parts, as will be hereinafter more fully described, shown in the accompanying drawings, and particularly pointed out in the appended claims.

In the accompanying drawings, Figure 1 is a perspective view of the fastener. Fig. 2 is a sectional view taken horizontally through the movable edge of a door and the adjacent door-jamb, showing the fastener positioned to lock the door. Fig. 3 is a detail elevation of the fastener, showing the stop-shoulder adjusted to cover the teeth or prongs of the device. Fig. 4 is a detail perspective view of the stop-shoulder.

Corresponding parts are designated by like reference characters in all the figures of the drawings.

Referring to the accompanying drawings, 1 designates the shank of the device, having a flat transversely-enlarged head 2, which is provided at its outer end with transversely-aligned prongs or teeth 3. Provided centrally through the head is an opening 4, adapted to receive a fastening whereby the device may be permanently attached to a door-jamb, as will be hereinafter more fully described. The opposite end of the shank 1 is provided with a reduced extension 5, preferably round-

ed in cross-section and having a ring or eye 6 provided at the rear extremity of the said reduced extension.

Slidable longitudinally upon the shank 1 is a sleeve 7, having a forwardly-extending offset integral shoulder 8, adapted to lie entirely upon one side of the shank 1. In order that the sliding stop-shoulder may be held at any adjusted point upon the shank of the fastener, the sleeve is provided through one side with a screw-threaded opening 9, adapted to receive a suitable set-screw 10, which may be set against the adjacent side of the shank, so as to hold the stop-shoulder at any adjusted position.

By reference to Fig. 2 it will be seen that the pronged or toothed face of the head 2 is adapted to be placed against a door-jamb 11, so that when the door 12 is closed against said head the prongs thereof are forced into the door-jamb and the fastener is effectually held against longitudinal displacement. After the door has been closed, the slidable shoulder is adjusted longitudinally upon the shank 1 and against the face of the door, and then the set-screw is set tightly against the shank 1, so as to hold the stop-shoulder against the face of the door. It will thus be seen that as the shank of the fastener is held between the door and the door-jamb against longitudinal displacement, and the adjustable shoulder is locked upon the shank of the fastener and in engagement with the door, the latter cannot be opened from the outside, as the shoulder 8 effectively prevents such opening. Furthermore, it will be noted that the shank 1 is beveled or wedge-shaped longitudinally, having its thickest portion at the rear end thereof, whereby any attempt to open the door would tend to slide the sleeve rearwardly upon the shank; but as the latter is wedge-shaped, as described, the sleeve will bind thereon, and thereby be prevented from being moved to any considerable extent upon the shank. Thus it will be apparent that should the set-screw not effectively hold the adjustable shoulder a slight movement of the latter will be sufficient to bind the sleeve upon the shank, and thereby prevent opening of the door.

By reference to Fig. 3 of the drawings it will be noted that the sliding shoulder is adapted to be moved rearwardly to the reduced ex-



tension 5, as indicated by dotted lines, and then turned laterally upon said extension and moved forward to the head 2, whereby the offset shoulder 8 is adapted to engage over the teeth or prongs 3, so as to cover the same and permit of the fastener being carried in a pocket of the clothing, and thereby protect the latter against being damaged by the prongs or teeth. To permit of the shoulder engaging over the teeth or prongs, it does not rest flat against the adjacent side of the shank 1, but is offset therefrom, as plainly shown in Fig. 3 of the drawings, for a distance equal to the length of said prongs, so that the shoulder may engage over the ends of the prongs. It will be noted that in this position of the shoulder the enlarged head 2 provides a stop for the sleeve 7 to prevent longitudinal displacement thereof.

It will be understood by reference to Fig. 2 that a suitable fastening device 13 may be driven through the opening 4 in the head of the fastener and into the door-jamb 11 for the purpose of permanently attaching the fastener to the door-frame as desired.

The purpose of the ring 6, provided in the extremity of the reduced extension 5, is to prevent longitudinal loss or displacement of the sliding shoulder and also to connect the fastener with a key-ring for conveniently carrying the device.

Changes in the form, proportion, size, and the minor details of construction, within the scope of the appended claims, may be resorted to without departing from the spirit or sacrificing any of the advantages of this invention.

What I claim is—

1. A door-fastener comprising a longitudinally-beveled or wedge-shaped shank having

prongs or teeth at one end, a sleeve embracing the shank and slidable thereon and carrying a stop-shoulder, and means carried by the sleeve and adapted to frictionally engage the wedge-shaped shank, whereby the sleeve may be held at an adjusted position and a longitudinal movement of the sleeve is adapted to bind the same more firmly upon the shank, substantially as shown and described.

2. A door-fastener comprising a shank having teeth at one end, and a reduced longitudinal extension at the opposite end thereof, a stop-shoulder slidable upon the shank, and means for locking or holding the shoulder at any adjusted point upon the shank, the shoulder being adapted to be moved onto the reduced extension and turned laterally thereon, whereby the shoulder may be moved forwardly upon the shank and cover the teeth or prongs thereof, substantially as and for the purpose set forth.

3. A door-fastener comprising a flat shank having a transversely-enlarged head at one end, and a reduced longitudinal extension at the opposite end thereof, teeth or prongs extending laterally from the head, a sleeve embracing the flat shank, slidable thereon and provided with an integral offset stop-shoulder, and a set-screw carried by the sleeve and adapted to frictionally engage the flat shank, whereby the sleeve and shoulder may be adjusted longitudinally of the shank, substantially as shown and described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

HOMER E. HOLMES.

Witnesses:

A. W. MANN,  
EVA COLVIN.