

(No Model.)

G. F. McCOMBS.
DOOR FASTENER.

No. 521,037.

Patented June 5, 1894.

FIG. 1.

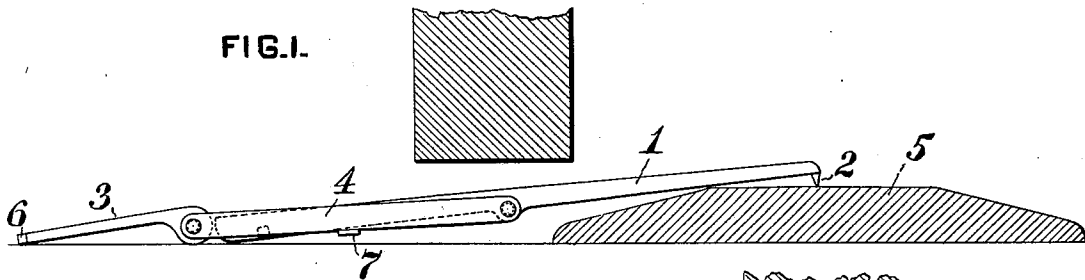


FIG. 2.

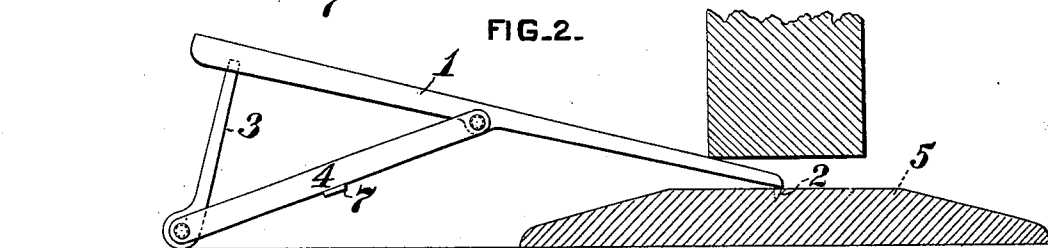


FIG. 3.

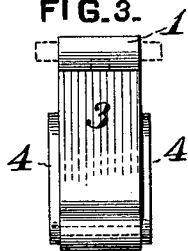


FIG. 4.

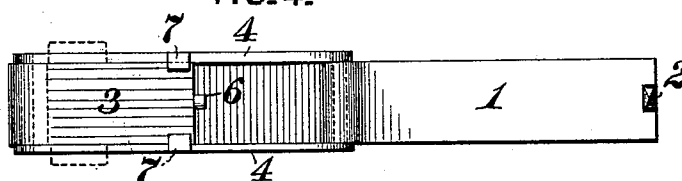
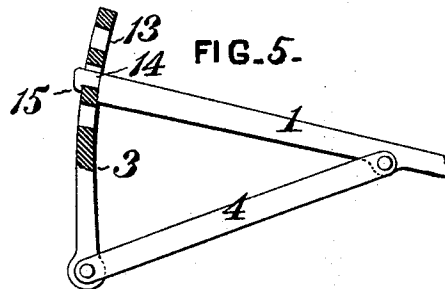


FIG. 5.



WITNESSES:

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GEORGE F. MCCOMBS, OF ALLEGHENY, PENNSYLVANIA.

DOOR-FASTENER.

SPECIFICATION forming part of Letters Patent No. 521,037, dated June 5, 1894.

Application filed February 14, 1893. Serial No. 462,244. (No model.)

To all whom it may concern:

Be it known that I, GEORGE F. MCCOMBS, a citizen of the United States, residing at Allegheny, in the county of Allegheny and State of Pennsylvania, have invented or discovered certain new and useful Improvements in Door-Fasteners, of which improvements the following is a specification.

The invention described herein relates to certain improvements in devices for securing doors in a closed position and has for its object a construction adapted to be applied to the bottoms of doors for the purpose of preventing the opening of the door from the outside and capable of being readily applied without in any way injuring or defacing the door or frame.

In general terms the invention consists in the construction and combination substantially as hereinafter described and claimed.

In the accompanying drawings forming a part of this specification, Figure 1 is a view illustrating the manner of applying my improved fastener to a door. Fig. 2 shows the device as applied and the door fastened. Fig. 3 is an end view of the fastener. Fig. 4 is a plan view of the same folded up; and Fig. 5 is a view partly in section and partly in elevation of a modification of the construction shown in Figs. 1 and 2.

The fastener shown in Figs. 1, 2 and 3, consists of comparatively thin strip of steel 1, preferably provided with a spur 2, at the end designed to go under the door, and a prop or support 3 having one end connected by straps 4 to the strip 1 at a point about midway of the length thereof.

In applying this device the door is partially opened as shown in Fig. 1, and the strip 1 is arranged as shown with one end resting on the sill 5 of the door or on the part of the floor immediately below the door when closed. The door is then closed, the opposite end of the strip raised up and the prop or support 3 turned up under the raised end of the strip as shown in Fig. 2. The prop or support is made of such a length as to hold to end of the strip, supported thereby considerably above the horizontal plane in which the lower end of the door moves when being opened or closed, so that the strip, as it is made rigid and as the door cannot move upward, forms a stop as

against the opening of the door. The spur 2 which is forced into the sill or floor either by closing the door or by raising the end of the strip, as described prevents the strip from being forced from under the door, nor can the spur be disengaged as the door rests upon the top of the strip. The prop or support is provided with a tenon 6 adapted to engage a socket in the under side of the strip, thereby preventing any dislodgement of the prop by a piece of wood or metal slipped under the door.

When not in use, the prop is folded in between the straps 4, and the prop with the inclosing straps is folded against the strip. The prop is prevented from passing entirely through between the straps by lugs or ears 7 formed on the latter.

As shown in Fig. 5 provision is made for adapting the fastener to doors varying as regards the distance of their lower ends from the floors or sills. This adaptation can be effected by making the prop adjustable as regards its length or by providing different points of support along the prop for the end of the strip by forming a series of holes 13 in the prop for the reception of a tenon 14 on the end of the strip. The outer end of the tenon is provided with a shoulder or hook 15 to lock the prop in operative position.

While preferring to employ the spur 2 to prevent the strip from being forced out of position, the same purpose may be effected by forming teeth or serrations on the free end of the prop 3.

As shown by dotted lines in Figs. 3 and 4, wings 16 may be formed near the outer end of the strip to afford a hold for the fingers in raising the end of the strip preparatory to turning the prop under it.

I claim herein as my invention—

1. In a door fastener, the combination of a strip having one end constructed to pass under a door, a prop for supporting the opposite end of the strip above the plane of movement of the lower end of the door, and straps pivotally connected to one end of the prop and to the strip at a point approximately midway of its length, substantially as set forth.

2. In a door fastener the combination of a strip having one end constructed to pass under a door, a prop for supporting the opposite end of the strip above the plane of movement

of the lower end of the door, straps having their ends pivotally connected to the prop and strip respectively, and a lock for holding the prop in operative position, substantially as set forth.

3. In a door fastener, the combination of a strip having one end constructed to pass under a door, an adjustable prop for supporting the opposite end of the strip above the plane of movement of the lower end of the door, and straps having their ends pivotally connected to the prop and strip respectively, substantially as set forth.

4. In a door fastener, the combination of a

strip having one end constructed to pass under a door, an adjustable prop for supporting the opposite end of the strip above the plane of movement of the lower end of the door, straps having their ends pivotally connected to the prop and strip respectively, and a lock for holding the prop in operative position, substantially as set forth.

In testimony whereof I have hereunto set my hand.

GEORGE F. McCOMBS.

Witnesses:

R. H. WHITTLESEY,
DARWIN S. WOLCOTT.