No. 866,548. PATENTED SEPT. 17, 1907.

T. B. WILKINSON.

DOOR SECURER.

APPLICATION FILED JAN. 9, 1907.

Fig. 1.

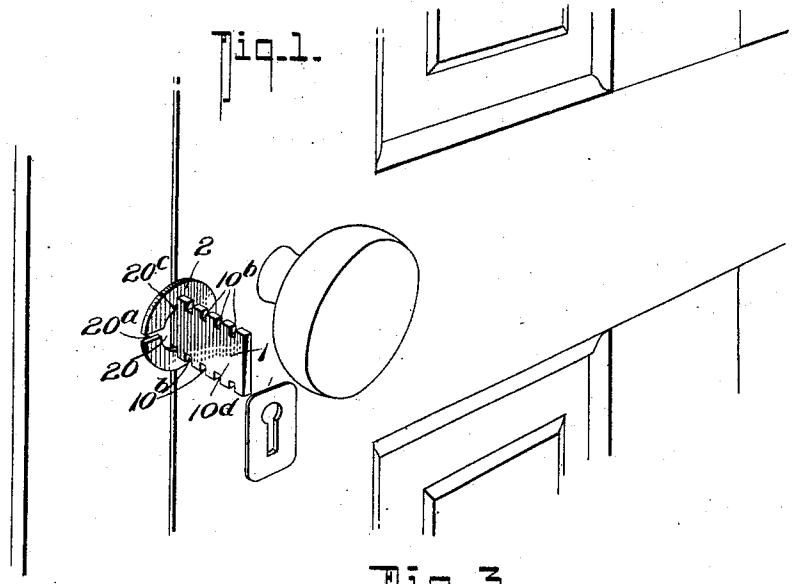


Fig. 3.

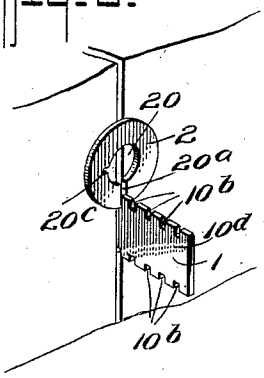


Fig. 2.

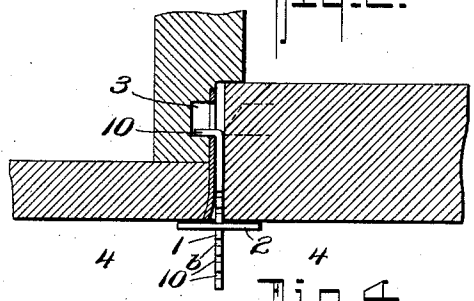


Fig. 4.

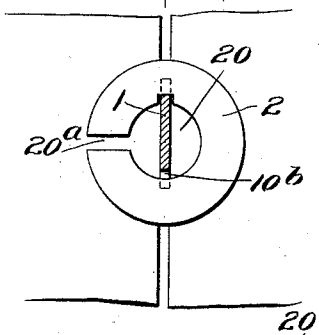


Fig. 6.

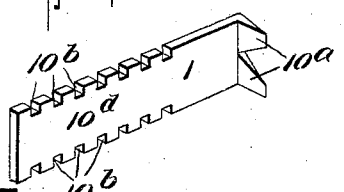
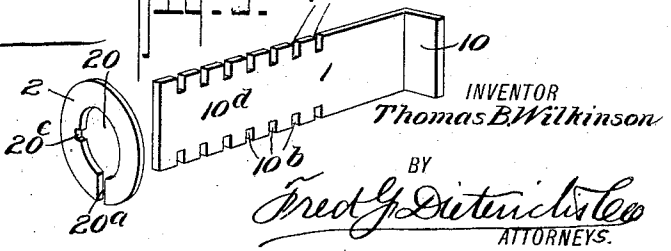


Fig. 5.



WITNESSES:

F. C. Gibson.

John J. Schrott

INVENTOR

Thomas B. Wilkinson

BY

Fred G. Dieterich & Co

ATTORNEYS.

UNITED STATES PATENT OFFICE.

THOMAS B. WILKINSON, OF NEW YORK, N. Y.

DOOR-SECURER.

No. 866,548. Specification of Letters Patent. Patented Sept. 17, 1907.

Application filed January 9, 1907. Serial No. 351,487.

To all whom it may concern:

Be it known that I, THOMAS B. WILKINSON, residing at New York, in the county of New York and State of New York, have invented a new and Improved Door-Securer, of which the following is a specification.

This invention is in the nature of an improved door securer of that character, adapted to be readily applied between the edge of the door and the door jamb, and it has for its purpose to produce a device of this character, of a simple and economical construction, that can be readily carried in the pocket and which can be quickly and effectively applied for use in a dark room, and without injuring the door or the jamb.

With the above objects in view and other objects hereinafter made clear, my invention consists in a door securer embodying the peculiar and novel construction of parts, hereinafter fully described, specifically pointed out in the claims and illustrated in the accompanying drawings, in which:—

Figure 1, is a perspective view of a portion of a door and door jamb, with my device applied for use. Fig. 2, is a horizontal section thereof, taken substantially on the line 2—2 of Fig. 1. Fig. 3, is a view illustrating the manner in which the lock washer or ring is slipped onto the notch plate. Fig. 4, is a cross section on the line 4—4 of Fig. 2, showing the position of the lock washer when adjusted for locking the parts together. Fig. 5, is a detail perspective view of the two parts constituting the complete device, separated. Fig. 6, illustrates a slightly modified form of the notched plate, hereinafter again referred to.

In the practical construction, my improved door securer consists of two parts, the notched plate 1 and the lock washer or ring 2. The plate 1 is stamped up or otherwise formed of a flat thin steel member, one end of which is bent at right angles to form an end flange 10, which, in the application of the device, is intended to fit into the lock bolt mortise 3 in the door jamb, as shown in Fig. 2. In doors that have no inside lock bolts, the said flange may be sharpened and provided with spurs 10^a as shown in Fig. 6, whereby such end may be easily forced into the jamb.

The opposite edges of the plate 1 are formed with a series of notches 10^b, suitably spaced apart, the opposite sides being notched so the plate can be used for right and left opening doors.

The lock ring or washer 2 has a central opening 20 of a diameter sufficient to fit over the narrow or shank portion 10^d of the plate 1 and which also has a slit 20^a at one edge that extends to the opening 20, the said slit being just wide enough to permit of slipping the washer edgewise over the shank 10^d, the construction of the washer being such that when slipped on the shank and located in the desired one of the notches, it can be readily turned on the said shank. The washer 2 is also provided with a notch 20^e at the inner edge of its opening, which notch has a width sufficient to permit the washer, when it is turned until the notch is in line with the edge of the shank 10^d, to drop down on the shank and thereby lock the washer from turning on the shank and cause it to act as a stop to project over the door edge, see Fig. 1, and hold the door from being opened.

I am aware that notched plates have heretofore been provided for slipping between the door and jamb, which have had one end formed to penetrate the door jamb or casing and the outer end especially shaped to receive slide keys or similar detent devices. My invention differs, so far as I know, in the special construction of my lock ring or washer, since in my invention, by providing the slitted washer, the same can be instantly slipped over the notch shank close up to the door and can be readily turned to bring its lock into register with the edge of the notch shank.

By making the lock or detent in the nature of a washer or ring, it will be automatically sustained in its locking position by gravity, since the width thereof is balanced and hence danger of the said washer being jumped or jarred to disengage it from the shank, is reduced to the minimum.

To release the securer, it is only necessary to shove the ring up to lift the notch off the shank and giving the ring a quarter turn to bring its slit in line with the flat plate when it can be readily slipped off edgewise.

By reason of providing the lock washer as shown, no special manipulation of the washer is required to adjust the parts, since the said washer can be so easily manipulated that it can be quickly applied for use in a dark as well as a light room.

Having thus described my invention, what I claim and desire to secure by Letters Patent, is:—

A door securer, comprising a flat plate having one end bent laterally and having each of its opposite edges formed with a series of uniform notches; in combination with a washer having a single opening of a diameter slightly greater than the width of the plate between the opposing notches, said washer having a slit in one edge extending to its opening, and having a notch on its internal edge at a point at right angles to the slit, for the purposes described.

THOS. B. WILKINSON.

Witnesses:
MARIE A. CORGE,
FRED G. DIETERICH.