(No Model.)

A. B. BUCKLAND.

DOOR SECURER.

No. 526,683. Patented Oct. 2, 1894.

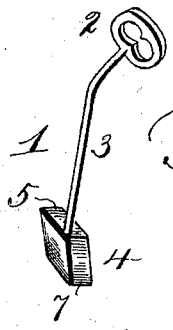


Fig. 1.

Fig. 2.

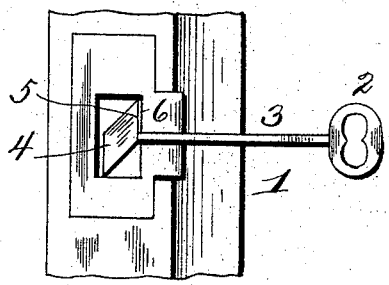


Fig. 3.

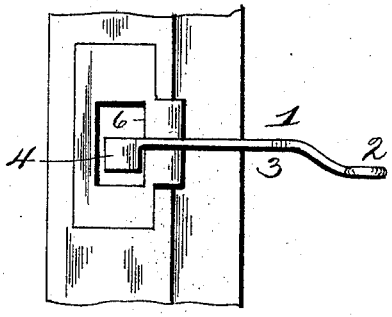


Fig. 4

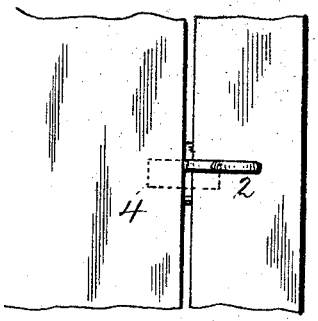
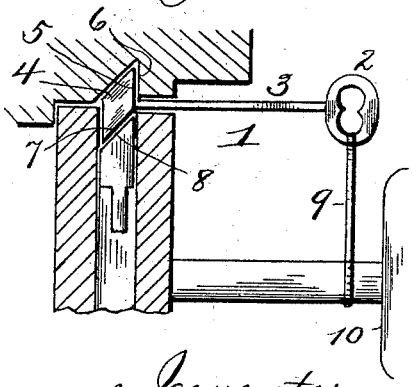


Fig. 5.



Witnesses:-
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UNITED STATES PATENT OFFICE.

AMOS B. BUCKLAND, OF ROCHESTER, NEW YORK.

DOOR-SECURER.

SPECIFICATION forming part of Letters Patent No. 526,683, dated October 2, 1894.

Application filed May 24, 1894. Serial No. 512,323. (No model.)

To all whom it may concern:

Be it known that I, AMOS B. BUCKLAND, a citizen of the United States, residing at Rochester, in the county of Monroe and State of New York, have invented certain new and useful Improvements in Door-Securers; and I do 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.

My invention has relation to locks or keys, for doors or as I term it combined locks and keys, and among the objects in view is to provide a device which will be adapted to serve for locking a door in its closed position whether said door is provided with the usual lock and key or not whereby it will be impossible for a door to be opened from the outside even if the usual lock is picked or turned by its key.

A further object of my invention is to provide means for preventing accidental turning of my combined lock and key from its locking position.

Other objects and advantages will be apparent from the following description, and with the various objects in view my invention consists in the novel construction of the device and in its combination with a door and jamb as hereinafter fully described, illustrated in the drawings and pointed out in the appended claim.

In the drawings:—Figure 1 is a detail perspective view of the combined lock and key. Fig. 2 is a face view of a portion of a door jamb showing the device inserted but before being turned to lock the door. Fig. 3 is a similar view showing the device in its locking position. Fig. 4 is a front view showing the door closed and locked by the device. Fig. 5 is a horizontal sectional view of the parts in their locked position.

1 indicates my device, which I term a combined lock and key, the same consisting of the ring or operating portion 2, shank 3, and bit or head 4. In constructing these parts of the device, I make the shank of small cross-sectional area or diameter whereby to adapt said shank to be passed in between the edge of the door and the face of the jamb as seen in Fig. 4, such space being as well known usually quite small. I also bend the shank at a point adjacent to the ring whereby to permit the easy insertion of the device in place without danger of the door injuring the fingers when it is closed. The length of the shank will of course be varied to suit doors of various thicknesses, it being necessary to make it of such length that the ring will be beyond the jamb when the head 4 lies within the recess in the said jamb as seen in Figs. 2 and 3.

The head of the device I preferably make of substantially lozenge or diamond shape, whereby when the said head is in position the side or face 5 will lie snugly against the face 6 of the notch in the door jamb and the face 7 of the head will lie snugly against the inclined face 8 of the latch-bolt as seen in Fig. 5.

In order that the head of the device will not offer any obstruction to the closing of the door I locate the head to one side of the line of the shank so that the head will lie entirely within the recess of the jamb and allow the door to be fully closed.

In using my device I place the head thereof within the recess of the jamb as seen in Fig. 2, with the shank extending alongside the face of the jamb. The door is now closed and when in its fully closed position the person turns the key or lock 1, one-fourth of a turn which brings the head in a position to partly engage behind the latch bolt and partly within the recess of the jamb as seen in Fig. 5. It will now be impossible to open the door from the outside, the device forming a perfect lock therefor.

When it is desired to open the door from the inside the device is turned back into its position seen in Fig. 2 after which the door may be readily opened.

In order to prevent the device being accidentally turned from its locking position, I provide an elastic band 9, which is passed over the ring of the device and over the door knob 10.

It will be seen that my device may be used with doors provided with the usual lock and key or not, the same not interfering in any way with the operation of said usual lock and key, and when the latter are used, my device provides an additional security against the opening of the door surreptitiously.

It will also be seen that my device is adapted for use with both right and left hand doors

by simply reversing the bend in the shank and locating the head upon opposite sides of the latter.

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

The combination with a door provided with a latch-bolt opening, and a latch-bolt adapted to operate therein and having an inclined face 8, and a door-jamb provided with a triangular shaped recess at a point to adapt said recess to lie opposite the opening in the door when the latter is closed, of the lock or key 8, comprising the shank 3, bent laterally at a point beyond the face of the door as described, and the diamond or lozenge shaped head or bit 4, the face 5 whereof is adapted to lie against the face 6 of the notch in the door-jamb and the face 7 against the inclined face 8 of the latch-bolt, said head or bit of the device 1, being arranged to one side of the line of the shank for the purpose specified.

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

AMOS B. BUCKLAND.

Witnesses:
JOHNSON FRENCH,
CHAS. R. KING.