W. K. MARVIN.

Safety Door Key Guard.

No. 77,633. Patented May 5, 1868.

Fig. 1.

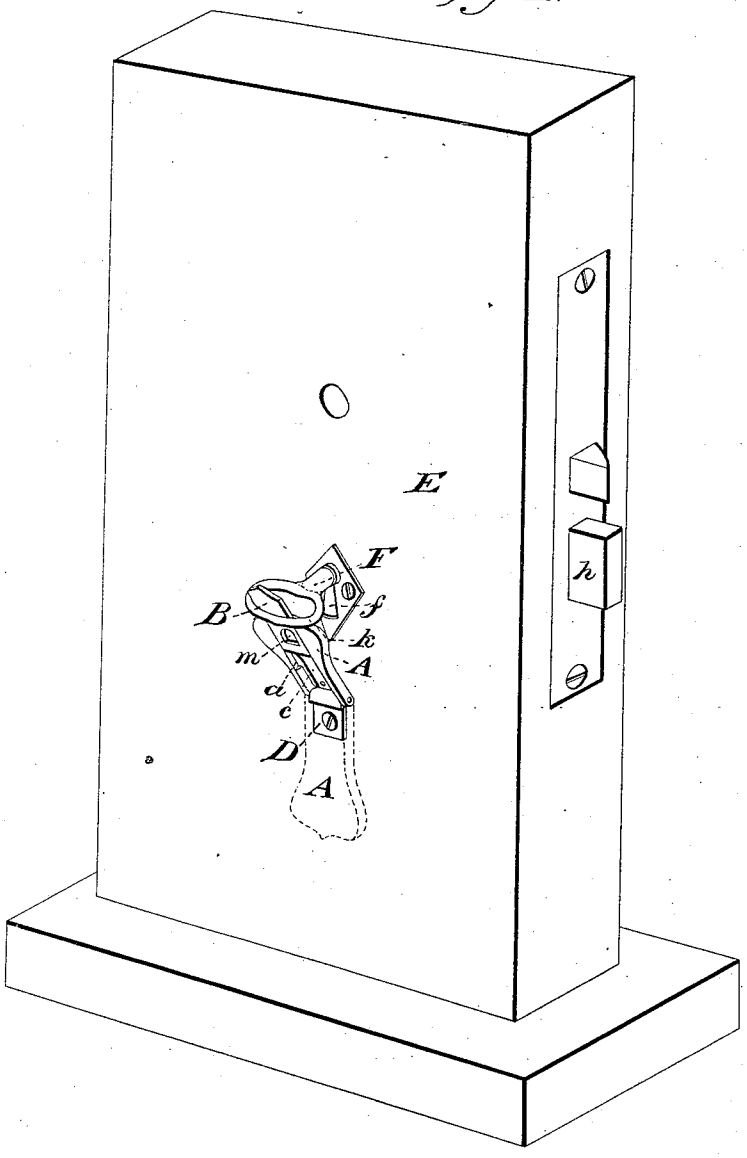
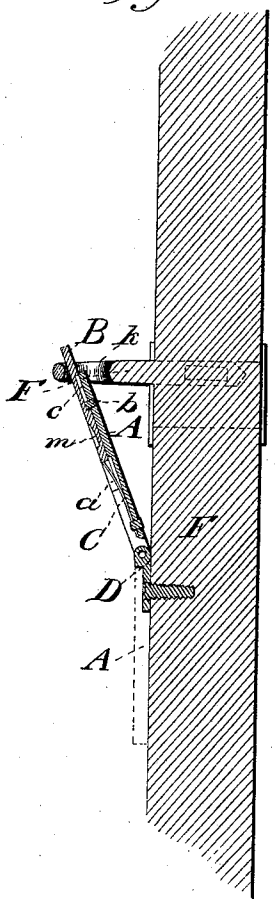


Fig. 2.



Witnesses:

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WALTER K. MARVIN, OF NEW YORK, N. Y.

Letters Patent No. 77,633, *dated May* 5, 1868.

IMPROVEMENT IN SAFETY DOOR-KEY GUARD.

The Schedule referred to in these Letters Patent and making part of the same.

TO WHOM IT MAY CONCERN:

Be it known that I, WALTER K. MARVIN, of New York, in the county and State of New York, have invented a certain new and improved Device for Fastening Keys in Locks; and I hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view of a door-lock, with my improved key-fastening device applied.

Figure 2 is a transverse vertical section of the same, through the key-hole and key.

It is well known that ordinary locks, on street, or chamber, or other doors, are frequently opened from the outside, either by grasping the end of the door-key, which is inserted in the lock, with a suitable instrument, by which the key is then turned or operated so as to draw back the bolt, or by turning and pushing out the key from the key-hole, so as to make way for a lock-picking device.

The object of my invention is to remedy this evil, or, in other words, to secure and hold in place the key in such manner that it can neither be forced out from the key-hole nor operated in any manner from the outside, or from the side of the door opposite that in which the key is inserted.

To this end, my invention consists essentially of a key-fastener, composed of a plate or escutcheon, hinged to the door or other part, in proper relation to the key, as hereinafter described, and carrying a slide or tongue-piece, capable of being projected into or retracted from the key-handle, and a spring for holding the said tongue in position when projected into the said key-handle.

To enable others skilled in the art to understand and use my invention, I will now proceed to describe the manner in which the same is or may be carried into effect, by reference to the accompanying drawings.

The key-fastening device, there shown, consists of the plate A, in one face of which a recess is formed, running lengthwise of the plate. In this recess is held a sliding plate or tongue, B, which fits in dove-tailed ways *a*, formed in the sides of the recess.

Below the tongue, which, when not projected from the main plate, fits a little over one-half the recess, is secured a plate or flat metal spring, C, and at the point where it is situated the recess is made a little deeper, so that, when the slide B is retracted, the spring may be pressed back and covered by the lower part of the slide, which passes over it.

The spring is secured to the plate A by its lower end, as shown in fig. 2, while its upper or free end projects from the recess, so as to bear up under the end of the slide when the latter is projected from the plate, as represented in the figure referred to.

The sliding movement of the tongue B is limited by means of a pin or stud, *b*, which projects from the bottom of the recess in the plate A, and takes into a slot, *c*, formed in the contiguous face of the tongue.

The main plate A is hinged or pivoted to a holding-plate, D, which, as shown in the drawings, is held in proper position, upon the door or other place, by means of screws, or other suitable means.

The manner in which the device is used, in connection with a lock and key, is as follows. Let it be supposed that E represents a door, F the key, *f* the key-hole, and *h* the bolt of a lock of ordinary or suitable construction. The holding-plate, D, of the fastener is applied and secured to the door in such position that when the plate A is swung upon its pivot or hinge towards the key F, the end of said plate should be nearly or quite in contact with the loop or handle, *k*, of the key. When the fastener is thus attached to the door, the key, whatever be the position of the bolt *h*, can at once be secured against all danger of being pushed from or turned in the lock. All that is needed to effect this is to raise the fastener from the position indicated in red lines in fig. 1, to that indicated in black lines, the key being turned in such manner that the loops in the handle *k* will be turned toward the fastener, in which position the handle will bear against the top of the plate A. The tongue or slide, B, is now projected from the plate through the handle, where it is held by means of the spring C, as indicated in fig. 2. The key, in this simple and effective manner, is securely held in position, and can be neither pushed out from the key-hole nor turned so as to operate the lock.

When it is desired to release the key, the spring C is pressed back, the slide B is drawn or pushed down, and the fastener is then swung back to the position indicated in red lines, fig. 1.

In order to facilitate the moving of the slide, a thumb or finger-notch, *m*, may be formed in it, as shown in the drawing.

A fastening-device thus made can be applied to any and all doors without trouble, and the advantages resulting from its use are too manifest to need recital.

Having, therefore, described my invention, and the manner in which the same is or may be carried into effect, what I claim, and desire to secure by Letters Patent, is—

The combination of the plate A with a slide or tongue, mounted in or upon said plate, and a spring to hold said tongue in position, substantially in the manner described, the whole constituting a key-fastening device, hinged to the door or other part where the key is located, so as to operate in connection with the said key, substantially as and for the purposes shown and specified.

In testimony whereof, I have signed my name to this specification before two subscribing witnesses.

WALTER K. MARVIN.

Witnesses:

J. B. NONES,

A. KAYSLES.