D. P. Bird.

Key Hole Guard.

No. 94,862. Patented Sept. 14, 1869.

Fig: 1.

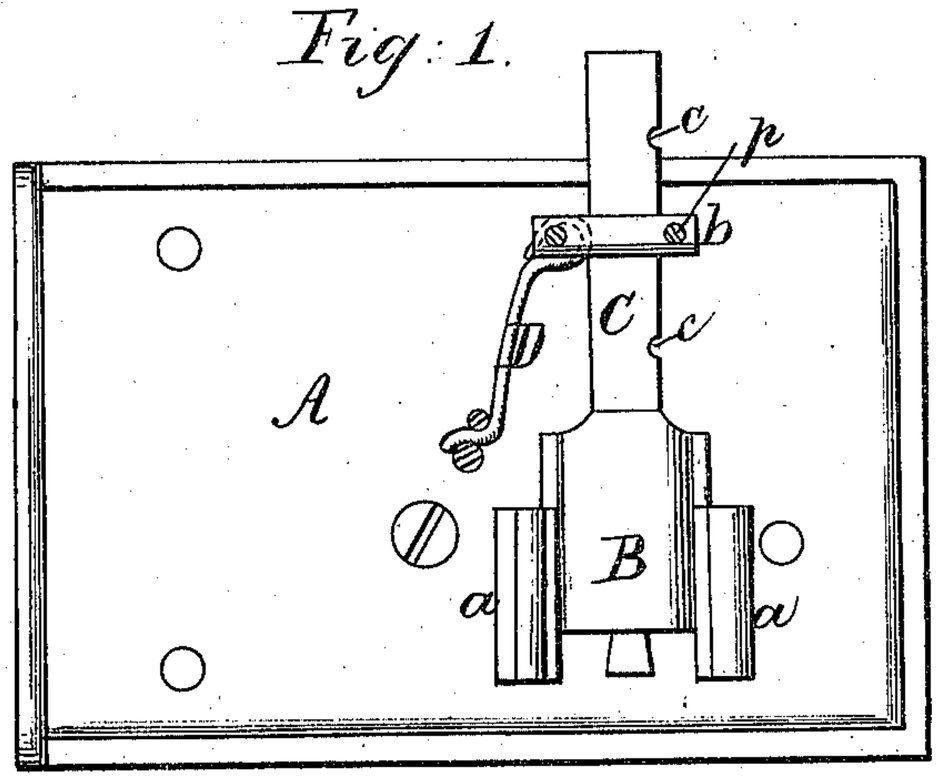
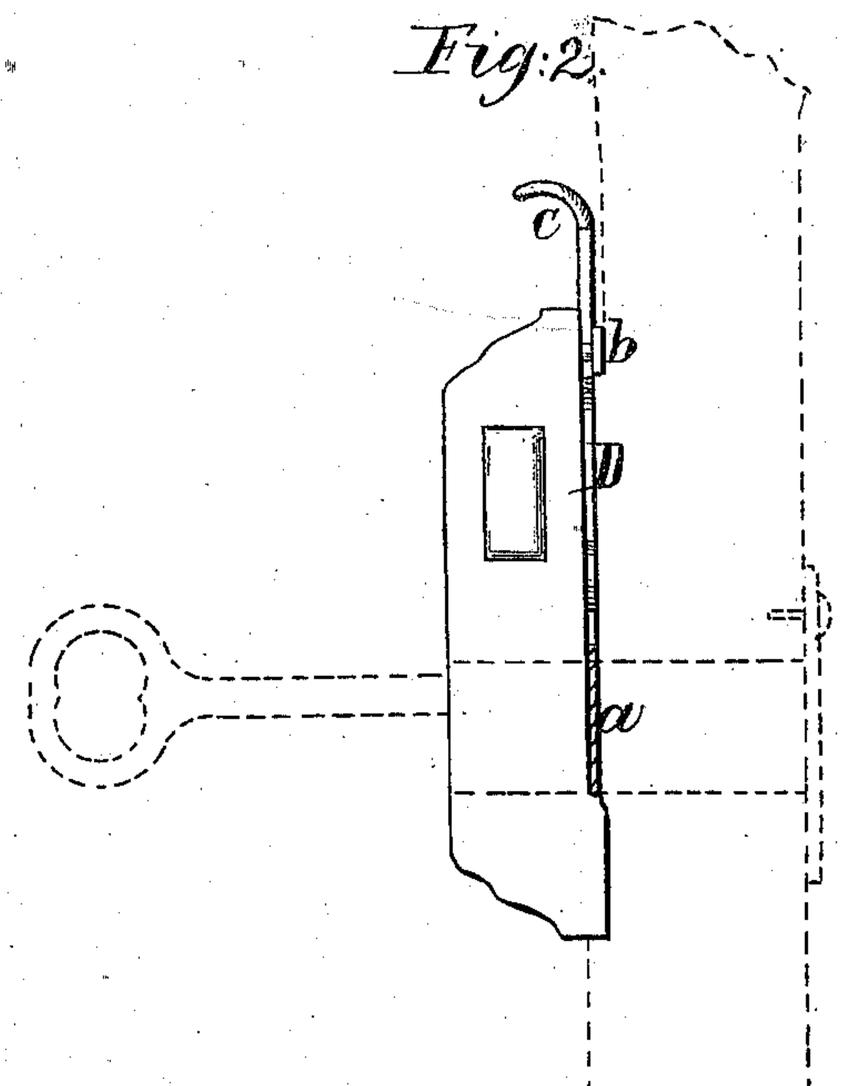


Fig: 2.



Witnesses;
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United States Patent Office.

DAVID P. BIRD, OF RICHWOOD, OHIO.

Letters Patent No. 94,862, *dated September* 14, 1869.

IMPROVED KEY-HOLE GUARD.

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

To all whom it may concern:

Be it known that I, DAVID P. BIRD, of Richwood, in the county of Union, and State of Ohio, have invented a new and useful Safety-Attachment to Locks; and I do hereby declare the following to be a clear and exact description of the nature thereof, sufficient to enable others skilled in the art to which my invention appertains to fully understand and use the same, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a front view of the attachment in a partly elevated position.

Figure 2 is a side view thereof, the lock being secured to a door or elsewhere.

Similar letters of reference indicate corresponding parts in the two figures.

My invention consists in so arranging the spring and guides, in a plate to cover a key-hole, that the slide may be released by simply moving it to the side, without any manipulation of the spring, and in further strengthening the slide in its position by guide-pieces at its sides.

In the drawing—

A represents one of the plates of a lock of ordinary frame and construction.

To this plate I secure guides, *a a*, between which is fitted a guard-plate, B, consisting of a flat piece of hard metal, by preference of steel, and adapted to slide between the guides.

A shank, C, is connected to the plate B′, and has a series of notches, *c c′*, on one or both sides.

This shank is guided by a cross-piece, *b*, secured to the plate A, to which also is secured a spring, D, which extends in the direction of the shank C, and one of its ends bears on the latter so as to force it against the inner face of the opposite side of the cross-piece *b*.

The notches *c c′* are so located that when the guard-plate B is in its highest position, that is, uncovering the key-hole, the notch *c* will be brought against a pin, *p*, which secures the cross-piece *b* in place, or against the side of said piece, which must be so cast or constructed as to fit into the notches, and with the pressure of the spring against the shank C, the plate B will be held elevated.

The notch *c′* performs a function similar to the other notch when the plate is in its lowest position, in order to prevent the elevation of the latter.

The guides *a* may be cast with the lock-plate A.

After the plate B is placed in position, the cross-piece *b* is riveted to the plate B.

The guides *a* may be shouldered on their outer face, in order to prevent the cross-piece from being riveted too tightly over the shank of the plate B.

The cross-piece assists the guides in retaining the plate B and shank C in position, and prevents them from coming in contact with paint. The spring works around the post opposite to the notches, and behind the cross-piece, and is held in position thereby.

The operation will be readily understood from the aforementioned description. The spring D need only be released by pressing the shank against it so as to free the notches

The guard-plate can then be readily raised and lowered, as desired. It will be seen, that when the attachment is applied to a lock, the latter to a door or other intended place, the guard-plate is lowered, and there retained in position by the spring, as previously explained. A key cannot be introduced into a lock, the means of access being closed. The guards *a a* prevent the horizontal displacement of the plate B by the insertion of instruments, and said plate should be of such metal as to resist drilling, and all attempts to break or destroy its utility.

In order to facilitate the operation or handling of the guard-plate, I bend the upper end of the shank C to admit the ready application of the fingers.

In position, the guard is arranged between the lock and the wood-work, as shown in fig. 2.

I do not claim a slide covering the key-hole, nor a spring for holding it in place.

Having thus described my invention,

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

The key-hole slide or protector, in combination with guides and spring, arranged as described, so that the slide may be released without any manipulation of the spring, as set forth.

The above signed by me, this 17th day of July, 1869.

DAVID P. BIRD.

Witnesses:

WM. W. KILE,

W. H. FERGUSON.