J. TOMASZEWSKI.

KEYHOLE GUARD.

APPLICATION FILED JUNE 18, 1920.

1,378,918. **Patented May 24, 1921.**

Fig. 1

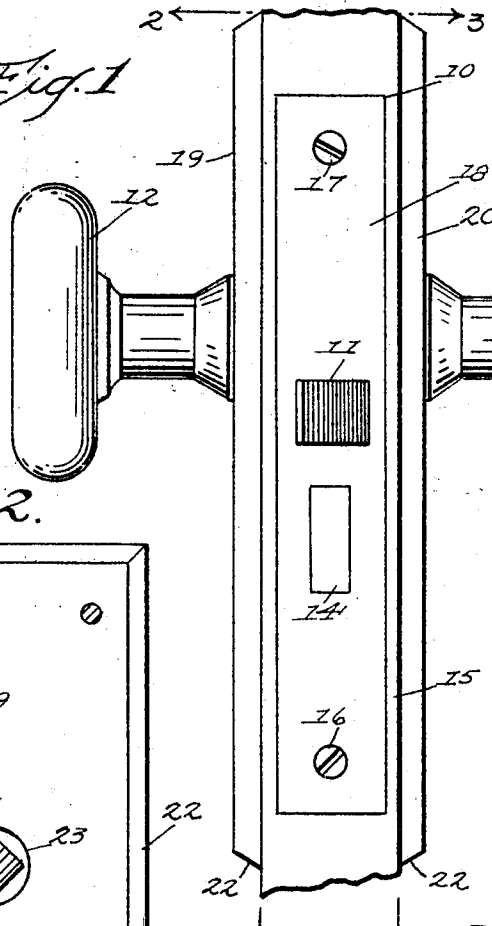


Fig. 2.

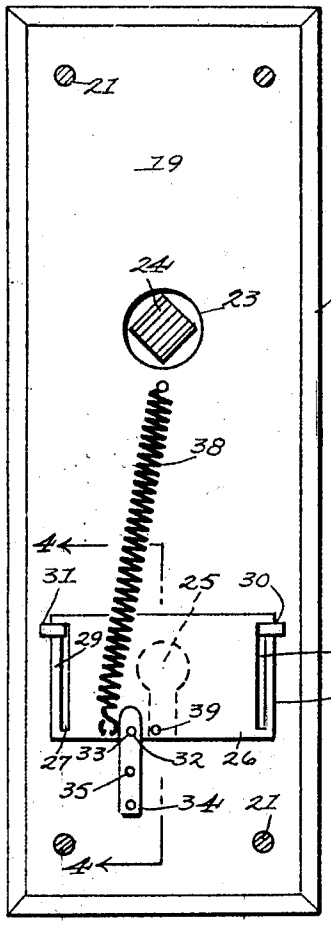


Fig. 5

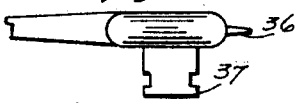


Fig. 4

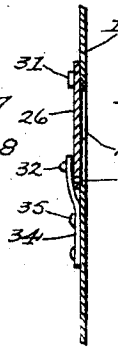
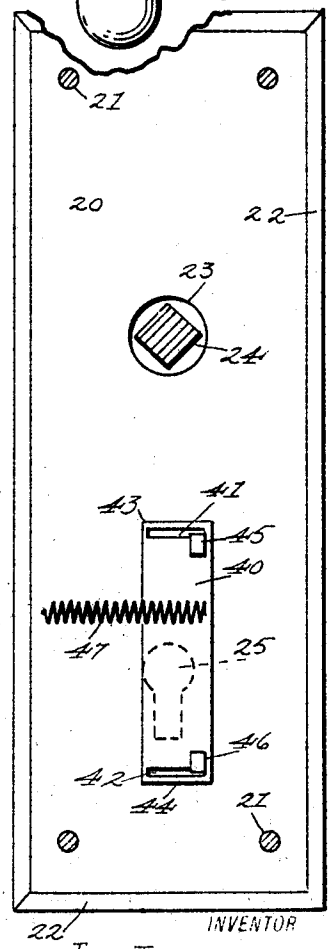


Fig. 3.



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KEYHOLE-GUARD.

1,378,918. Specification of Letters Patent. Patented May 24, 1921.

Application filed June 18, 1920. Serial No. 389,804.

To all whom it may concern:

Be it known that I, JOHN TOMASZEWSKI, a citizen of Poland, residing at Taunton, county of Bristol, and State of Massachusetts, have invented certain new and useful Improvements in Keyhole-Guards, of which the following is a specification.

This invention relates to new and useful improvements in locks and more particularly to improvements in the key-hole guards for door locks.

It is the main object of the invention to provide key-hole guards which normally close the key-hole and prevent the insertion of the key by persons not in possession of the secret of removing the guard from the key-hole.

Another object of the present invention is the provision of a movable key-hole guard for locks which can be conveniently returned into its normal key-hole closing position after each operation of the lock.

With the above and other objects in view, the present invention consists in the novel features of construction, combination and arrangement of parts as will be hereinafter referred to and more particularly pointed out in the specification and appended claims.

In the accompanying drawing forming a part of this application,

Figure 1 is a side view of a lock protected by key-hole guards constructed according to the present invention.

Fig. 2 is a rear view of a plate provided with a key-hole guard according to the present invention taken along line 2—2 of Fig. 1.

Fig. 3 is a view similar to the view Fig. 2 of a modified form of plate, the view being taken along line 3—3 of Fig. 1.

Fig. 4 is a sectional view taken on line 4—4 of Fig. 2, and

Fig. 5 is a detail view of a key with a guard-plate operating point.

In carrying out my invention, I provide an ordinary door lock 10 provided with the latch 11 operated by knobs 12 and 13 and locking member 14 in the casing 15 which is set in a door and secured therein by means of screws 16 and 17 passed through the end plate 18 of the casing. All of the parts described so far do not form any part of the present invention.

To both sides of a door two plates 19 and 20 respectively are secured by means of screws passed through holes 21 in said plates. These plates are each provided with raised and inclined marginal flanges 22 so that a space is provided between the plates and the door faces, and they have each a hole 23 for the passage of the shank 24 to which the door knobs are fastened and a key-hole 25 for the insertion of a key.

As shown in Fig. 2, the key-hole 25 of the plate 19 is normally closed by a plate 26 provided near its ends with guide slots 27 providing rods 28 and 29 which slide vertically through guide-pieces 30 and 31 secured to the inner wall of the plate 19. Near its lower edge of the plate 26 is provided with a plurality of holes or openings 32, one of which is engaged by a pin 33 at the front face of a leaf spring 34 secured to the inner face of the plate 19 as indicated at 35 so that the plate 26 is normally closing the key-hole 25. If however by a suitable tool as for instance the pin point or projection 36 of the key 37 the engagement between the pin 33 of the spring 34 and the hole 32 in the plate 26 is interrupted by pressing the spring 34 backward, the plate 26 is drawn upward by the spring 38 secured with one end to the inner face of the plate 19 and with its other end to the inner face of the plate 26, and the key-hole is open for the insertion of the key to operate the lock. When it is desired to close the key-hole again, the projection 36 of the key 37 is inserted into hole 39 of the plate 26 which at this time will be at the upper edge of the key-hole just within reach of the pin or point 36, and the guard plate 26 is drawn downward with its hole 32 into engagement with the pin 33 of the spring 34.

As shown in Fig. 3, the guard-plate 40 for the key-hole 25 is provided near its upper and lower edge with guide slots 41 and 42 providing bars 43 and 44, and hooks 45 and 46 secured with their shanks to the inner face of the plate 20 and guided in the slots 41 and 42 bent over the plate 40, allow a displacement of the plate 40 laterally, within certain limits. A spring 47 secured to the inner face of the plate 20 and to the plate 40 near its outer edge will draw said plate back into its key-hole guarding position if the same has been displaced in order to allow the insertion of the key into the key-hole; it will be clear that upon the withdrawal of the key from the hole the plate 40 will be automatically drawn into closing position by the spring 47.

The operation of my key-hole guard will be clear from the above description and while I have shown and described the preferred forms of my invention, it will be obvious that various changes in the details of construction may be resorted to for successfully carrying my invention into practice, without sacrificing any of the novel features, or departing from the scope of the invention as defined by the appended claims.

Having thus described my invention, what I claim is—

1. A key-hole guard of the character described comprising a plate adapted to be secured to a door over a lock in spaced relation to said door and having a key-hole, a sliding locking plate on the rear face of said first named plate provided with a plurality of perforations, means for guiding said locking plate during its operation, a leaf spring secured to said plate, a pin on said spring adapted to engage in one of the perforations of said locking plate, means for interrupting the engagement between said pin and said locking plate, and means for returning said locking plate into its locking position after each operation of the lock.

2. A key-hole guard of the character described comprising a plate adapted to be secured to the side of a door over the lock and having a key-hole, a sliding locking plate provided with a plurality of perforations at its lower edge and with lateral guide slots providing rods, guides for said rods, a leaf spring secured to said plate, a pin on said spring adapted to normally engage one of the perforations of said locking plate, and adapted to be disengaged from said perforation by a tool inserted through another of the perforations of said locking plate, and means for returning said locking plate into its locking position after each operation of the lock.

In testimony whereof I have affixed my signature.

JOHN his × mark TOMASZEWSKI.

Witness:
CHARLES J. NICHOLS.