(No Model.)

F. N. PERKINS.

DOOR LOCK.

No. 315,657. Patented Apr. 14, 1885.

Fig. 1.

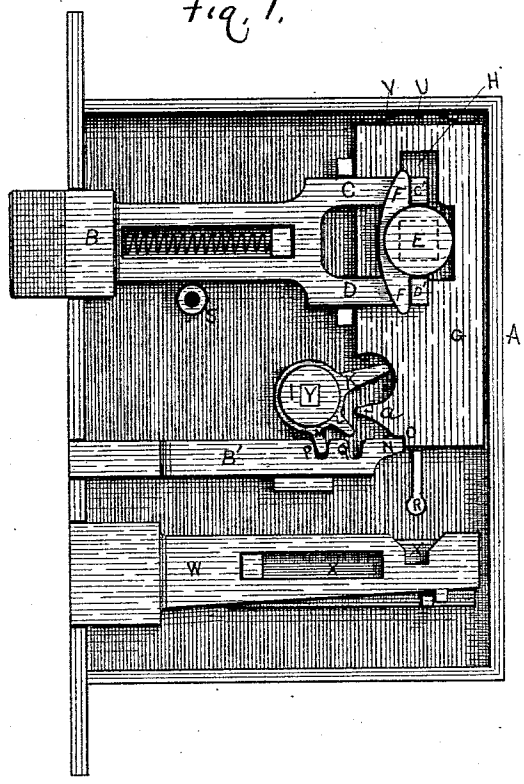

Fig 2.

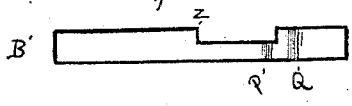

Fig. 3.

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UNITED STATES PATENT OFFICE.

FLOYD N. PERKINS, OF BELLEFONTAINE, OHIO.

DOOR-LOCK.

SPECIFICATION forming part of Letters Patent No. 315,657, dated April 14, 1885.

Application filed May 2, 1884. (No model.)

To all whom it may concern:

Be it known that I, FLOYD N. PERKINS, a citizen of the United States, and a resident of Bellefontaine, in the county of Logan and State of Ohio, have invented a new and useful Improvement in Door-Locks, of which the following is a specification.

My invention consists in an ordinary door-lock with a bolt and bolting device to be locked from the inside of the room, the sliding of the bolt also locking the knob of the door and throwing a sliding steel plate over the key-hole, filling the lock from side to side at that point, so that the lock cannot be unlocked from the outside nor tampered with.

My device is especially for securing the door by parties on the inside of the room.

Figure 1 is a front view of my lock, one of the side plates thereof being removed in order to show the interior or working parts; Fig. 2, a top view of bolt B′. Fig. 3 is a side view of the tumbler, showing the finger formed thereon.

A is the lock; B′, the bolt; B, the spring-latch; C D, two arms of the latch that straddle the knob-spindle and have the shoulders C′ D′; E, knob-spindle; F, wings on the knob-spindle that bear against shoulders C′ D′, to operate the latch when the knob is turned; G, sliding piece surrounding the knob-spindle, having hole H through the same, the lower part being large enough to allow the spindle to turn freely, but the upper part being smaller with straight parallel sides to fit snugly against the squared sides of the spindle to prevent the spindle from turning when the slide G is dropped down; I, tumbler of the bolt; K, arm or finger operating slide G and locking it at the lowest point of its movement; L M, fingers fitting in notches Q P on the bolt. Finger M on its back side has an extension which plays in a recess in the back of the bolt while turning, the end of the finger resting against the shoulder Z of the recess when the bolt is thrown out, locking the bolt in this position; N, shoulder on rear end of bolt fitting in notch O, when the bolt is not in use, to hold the piece G up in position; R, key-hole; S, screw for fastening the cap on the lock; W X, lock-bolt; *a*, point on slide G against which finger K rests to lock slide down; U, pin behind which spring V is set; V, spring to hold slide G firmly against end of the bolt B′.

The operation of my device is as follows: When the lock-bolt W has been locked, the key is withdrawn from the key-hole R, and the tumbler I is turned, throwing the bolt B′ forward into bolting position by means of the fingers L M entering the notches P Q in the bolt. When the bolt is thus thrown, the extension on the back of finger M rests against shoulder Z of the recess in the back of the bolt and locks the bolt in position until the tumbler is turned again. Finger K brings the slide G down into position by pressing against point *a*, covering the key-hole, so no key can be inserted from the outside, and causing the narrowed squared sides of the hole H to straddle the squared sides of the knob-spindle E, and thus lock the knob against being turned. The end of the finger K rests against the point *a* of the slide G when the slide is over the key-hole, and locks the slide down. Thus by simply turning the tumbler I the key-hole of the lock is covered beyond being tampered with, the knob is locked from turning, and the door is securely bolted besides.

What I claim is—

1. The combination, with the tumbler I and bolt B′, operated thereby, of the slide G, also operated by the tumbler I and adapted to cover the key-hole R and lock the squared spindle of the door-knob, substantially as shown and described.

2. The combination, with the tumbler I, having fingers K L M, and the bolt B′ operated thereby, of the slide G, having shoulder *a*, against which finger K rests to hold the slide down when the bolt is thrown.

FLOYD N. PERKINS.

Witnesses:
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C. D. CAMPBELL.