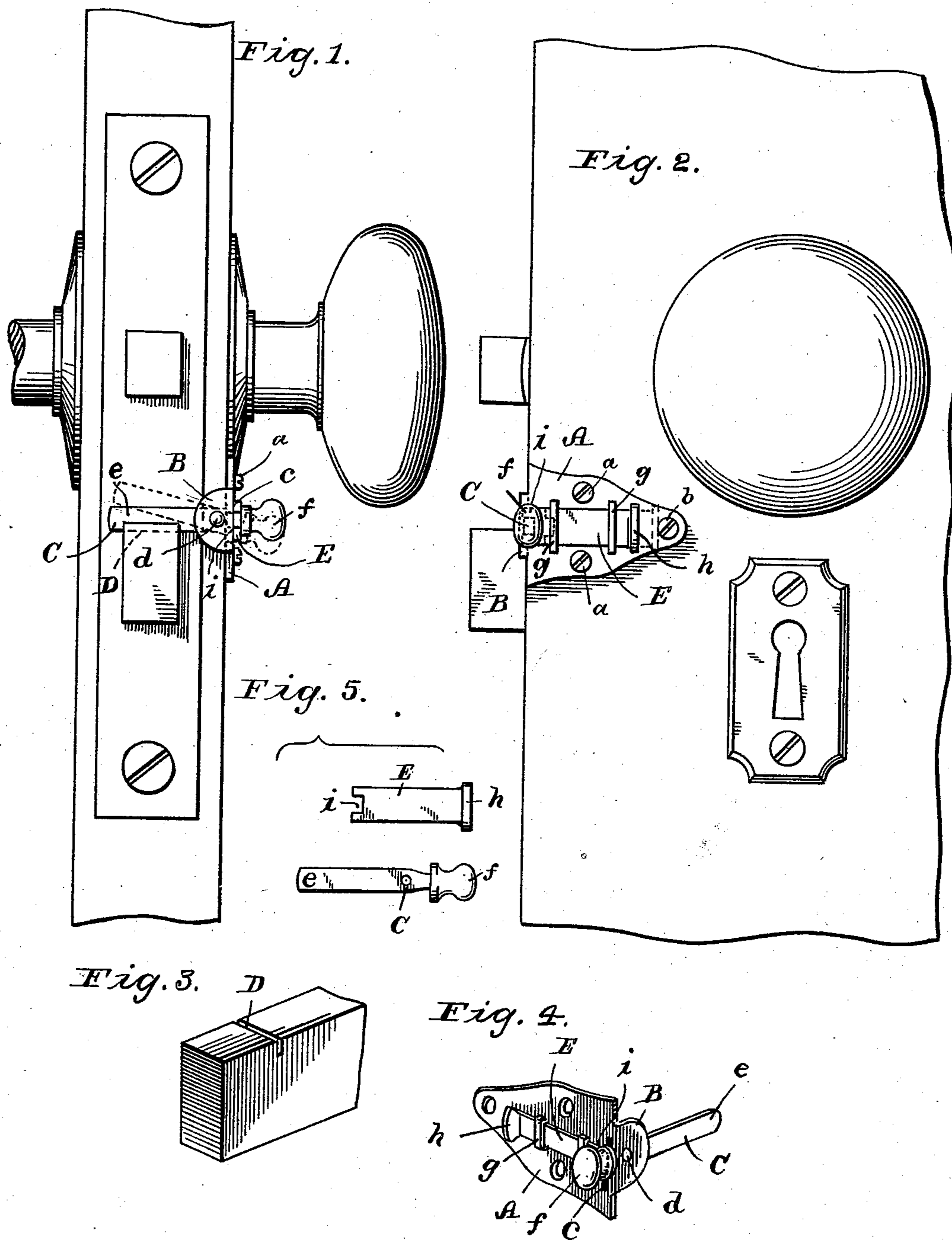


(No Model.)

C. F. ROBERTS.
SAFETY DEVICE FOR LOCK BOLTS.

No. 543,142.

Patented July 23, 1895.



Witnesses

R. H. Newman,
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UNITED STATES PATENT OFFICE.

CHARLES F. ROBERTS, OF BRIDGEPORT, CONNECTICUT, ASSIGNOR OF ONE-FOURTH TO CHARLES J. MILTON, OF SAME PLACE.

SAFETY DEVICE FOR LOCK-BOLTS.

SPECIFICATION forming part of Letters Patent No. 543,142, dated July 23, 1895.

Application filed February 16, 1895. Serial No. 538,651. (No model.)

To all whom it may concern:

Be it known that I, CHARLES F. ROBERTS, a citizen of the United States, and a resident of Bridgeport, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Safety Devices for Lock-Bolts, of which the following is a specification.

This invention relates to improvements in locking devices for the locking or latch bolts of door-locks. It is particularly adaptable to the common form of mortise locks or latches, and is also applicable to some forms of slip-bolts.

It is the object of my invention to provide a simple, cheap, and durable attachment which may be applied to the various forms of locks and latch-bolts now in use; also to provide positive means for retaining the bolt in a locked position against the action of a key or the door-knob, and, further, to construct it in such a manner as to prevent it from being picked or operated except from the inside of the door.

Upon the accompanying drawings, which form a part of this specification, the same letters of reference denote like or corresponding parts throughout the several figures, of which—

Figure 1 is a front elevation of my novel attachment, the same being applied to a common form of mortise-lock. Fig. 2 is a side elevation of Fig. 1. Fig. 3 is a detached perspective view of the outer portion of the locking-bolt. Fig. 4 is a detached perspective view of my novel attachment. Fig. 5 shows detached views of the locking-lever and its slide E.

I am aware that detachable devices have been invented prior to this for the purpose of locking latch-bolts in various ways, and therefore do not claim broadly such a device, my claims being drawn to cover the improvements and advantages, which will be later fully set forth.

Referring to the drawings, it will be seen that my device is very simple, consisting practically of but three parts, all of which may be cheaply formed of sheet metal. Of these parts A indicates the plate, which is secured to the inside edge of a door by means

of small screws *a* and *b*. The outer edge of said plate is bent in at a right angle to the face thereof, forming an angular extension B, to which the locking-lever C is pivoted. Adjacent to the corner, and through the face of the plate, is an orifice *c*, through which the lever C is free to operate.

The locking-lever C is pivoted at *d*, (see Fig. 1,) and consists of a blade *e* and a weighted thumb-piece *f*, said weight serving to hold the blade end of the lever up out of engagement with the recess D in the locking-bolt. Thus the normal position of said lever is tilted, as shown in dotted lines. The recess D is preferably formed by simply sawing a slot in the top of the bolt. It can be quickly done without moving the lock or without injury to it or the door.

Upon the face of the plate A is fitted in suitable guides *g g* a locking-slide E, having at its inner end a thumb-piece *h* and upon its other end a fork to straddle the lever C, as shown at *i*. The purpose of this slide, as is apparent, is to slip under the weighted end of the lever C and thus hold the blade end of the latter in engagement with the recess D in the locking-bolt. The construction and operation of these parts are such as to insure its perfect operation whether upon a right or left hand door. An efficient securing device is thus provided which prevents the unlawful operation of a lock-bolt.

The device is applicable to varying styles of locks and thicknesses of doors and does not need to be produced in any great number of sizes, since the blade of the lever is of a sufficient length to reach the recess in the bolt. The attachment is equally well adapted to either side of a door, as will be seen with reference to Fig. 4.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. In a safety device for locking bolts the combination in an attachable device, consisting of a plate, a lever pivoted thereto and provided with a weighted end, a slide mounted on the plate and adapted to be moved in the path of the lever to hold the latter into engagement with the locking bolt.

2. In a locking device of the class described

the combination with a locking bolt having a
recess therein, of a plate having an angular
extension thereon, a lever pivoted thereto and
extending through an orifice *c* in said plate
5 to engage with the locking bolt, and means
for the disengagement of said lever from said
bolt as described.

Signed at Bridgeport, in the county of Fairfield and State of Connecticut, this 7th day of January, A. D. 1895.

CHARLES F. ROBERTS.

Witnesses:

C. M. NEWMAN,

C. J. MILTON.