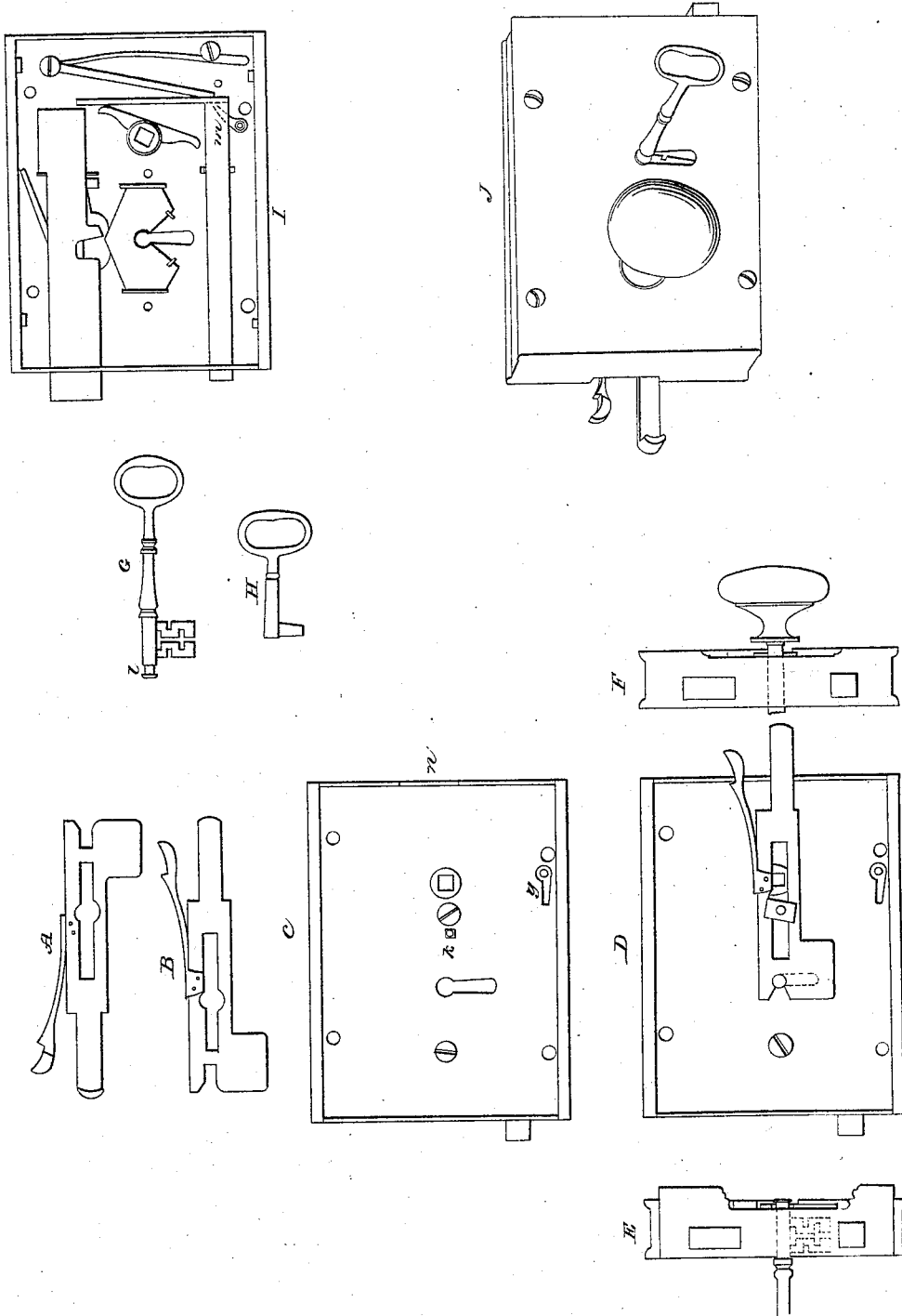


G. F. J. Colburn,

Key Fastener.

N^o 6,142.

Patented Feb. 27, 1849.



UNITED STATES PATENT OFFICE.

G. F. J. COLBURN, OF NEWARK, NEW JERSEY.

PROTECTOR-SLIDE FOR DOOR-LOCKS.

Specification of Letters Patent No. 6,142, dated February 27, 1849.

To all whom it may concern:

Be it known that I, GEORGE F. J. COLBURN, of the city of Newark, county of Essex, and State of New Jersey, have invented a new and improved mode of preventing locks from being picked, which also secures the key in the lock, renders the latch stationary, thereby acting as an additional bolt, or admits of its being used as a night or dead latch if required; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making part of this specification, in which—

Figure A is an inside view of the slide; Fig. B an outside view of the slide, Fig. C a view of the cap of the lock, with the knob spindle removed to show the method of attaching the slide by the standard *k* inserted in the cap, also to show the aperture made in the back rim at *N* to receive the slide and the position of the key hole for a dead latch at *G*. Fig. D shows the application of the slide to the lock and the method of retaining it by the nut *O*, applied to the thread cut on the standards, also the application of the slide to the head of the key and to the knob spindle, which operations are further exhibited in the sectional Figs. E and F. Fig. G shows a square filed upon the pin of the key upon which the slide acts to prevent its being turned or withdrawn. Fig. H shows the simple form of night key required and Fig. I the interior of the lock with the night key operating on the latch at *M*, the spindle being made stationary by pushing the slide. Fig. J is a perspective view of the lock with the slide drawn out, the spindle and key freed from the operation of the slide.

The nature of my invention consists of attaching to the cap of the ordinary rim lock a movable slide of brass or iron, having an oblong aperture in the middle made to clasp the spindle, the end of the slide being widened on the lower side, to cover the key hole, and notched in square on the end to clasp the pin of the key, the slide being shoved in, the spindle, key and key hole, are locked, defying the burglar from without.

To enable others to make and use my invention I thus describe its construction and operation.

I take an ordinary rim lock of any size

and cut a piece out of the back rim on a line with the spindle down flush with the cap, of a size proportioned to the slide and spring as shown at *h*, Fig. C. Near the center of the cap as at *k*, Fig. C, I attach a small standard having a thread cut on the end to receive a nut *o*, Fig. D, which retains the slide. I make the slide of any hard metal of sufficient length, to cover the key hole, and to project an inch beyond the back rim of the lock, the projecting end being turned out for a handle as shown in Fig. A. Upon the under side of the handle end I make a rebate to stop against the bottom of the aperture, in the back rim, when the slide is drawn out. And to the upper edge of the slide, I attach a steel spring with a thumb catch to stop against the upper part of the aperture, when pushed in, thereby securing its position as being detached from or as operating upon the latch and key. I cut an oblong aperture in the slide to fit a square filed into the knob spindle, which it clasps, and prevents from being turned as shown at Fig. F. When the slide is pushed in this aperture is enlarged in the center as shown at Fig. A, B for the easy admission of the spindle, and to allow it to turn free from the operation of the slide when drawn back. If desired a square may be filed upon pin of the key, as at *l* Fig. G and a corresponding square opening cut on the end of the slide to clasp the key, Figs. E, and D the bow of the key being turned perpendicular with the key hole or parallel with the slide, preventing its being turned or forced out of the lock when the slide is pushed in, or the end of the key may be cut off and the entire key hole be covered by the slide.

The application of the dead latch is effected thus, the slide being pushed in clasps the knob spindle rendering it immovable and the key hole is closed upon the outside, but the latch remains free to be operated upon by a simple key as shown at *m* Fig. I which may be applied by merely cutting a key hole in the cap and inserting a drill pin in the bottom of the lock as at *g* Fig. C, thereby combining the advantage of a dead latch with the ordinary lock at a trifling expense.

What I claim as my invention and desire to secure by Letters Patent is—

The application to the ordinary rim lock

of a metal slide which will at the same time
cover the key hole protecting the lock from
being picked or opened from the outside;
to prevent the key from being turned by
5 the application of instruments to the pin
or its dropping out by the slamming of the
door and retain the knob spindle in a fixed
position rendering it inoperative upon the
latch, thereby converting the latch into an
additional bolt.

GEORGE F. J. COLBURN.

Witnesses:

AARON O. BOYLAN,
A. G. PLINY COLBURN.