

W. T. Munger,

Door Latch.

No. 109,834.

Patented Dec. 6. 1870.

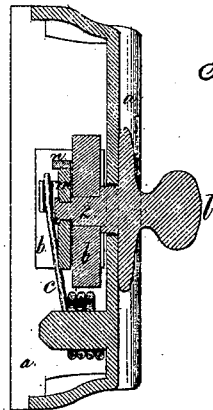


Fig. 2.

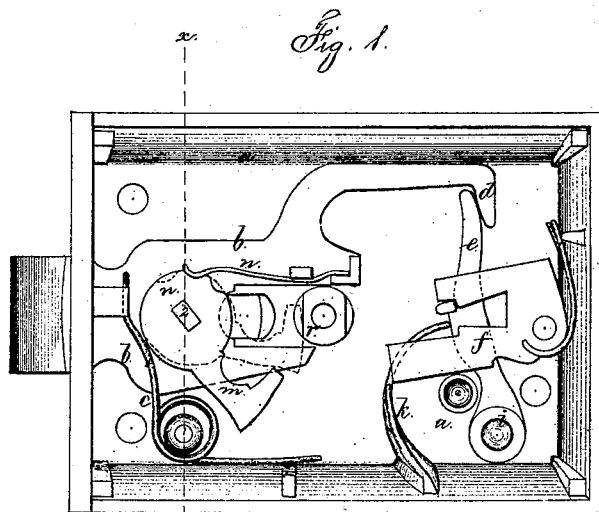


Fig. 1.

Witnesses,

*Charles F. Peck
Edw. L. Prior*

W. T. Munger

United States Patent Office.

WALLACE T. MUNGER, OF NEW BRITAIN, CONNECTICUT, ASSIGNOR TO P.
& F. CORBIN, OF SAME PLACE.

Letters Patent No. 109,834, dated December 6, 1870.

IMPROVEMENT IN DOOR-LATCHES.

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, WALLACE T. MUNGER, of New Britain, in the county of Hartford and State of Connecticut, have invented and made a new and useful Improvement in Latches for Doors; and I do hereby declare the following to be a correct description of the same.

In spring-latches it is usual to provide a catch for holding the latch back, and also to block said latch when projected, to prevent the door being opened from outside.

My invention is for accomplishing the before-named object, and consists in a hook that is upon the spindle of the knob, by which the latch is drawn back, so that the knob can be operated and the latch drawn back as heretofore, or the knob can be partially rotated to bring the hook into action. If this is done when the latch is projected, the latch will be blocked so that it cannot be drawn back, and if the knob is turned when the latch is retracted, it is held back out of action by the hook taking behind a block or stud.

In the drawing—

Figure 1 is an elevation of the latch or lock with the cap-plate removed, and

Figure 2 is a section through the knob and latch at the line *xx*.

The lock-case *a* is of usual character.

The latch *b* is projected by the spring *c*, and has a tail-piece, *d*, that is acted upon by the lever *e*.

The tumblers *f* and lever *e* are moved by a key passing through the cap-plate.

A socket, *g*, is shown for the end of key, and a fence

or shield, *h*, is shown as intervening between the key-tumblers and the latch itself.

The parts thus far described may be of any desired construction.

A knob or button, *l*, is provided to draw back the latch *b*, the stem of the same passing through a slot in the lock-case, as usual; but, instead of the said knob or button being simply attached to the latch *b*, the stem 2 of the knob passes through the latch, and can be partially revolved, and upon the inner end of this spindle or stem 2 the hook *m* is attached.

This hook is held by a spring, *n*, on the latch *b*, taking one of the two notches in the hub or eye of the hook, to prevent its being moved by shaking the door, and when the hook *m* is in the position shown in fig. 1 the latch is free to act as usual; but when it is turned up against the stud *r*, the latch will be blocked, (see dotted lines, fig. 1;) and when the latch is retracted it can be held by partially revolving the knob *l*, so that the hook *m* takes the other side of the stud *r* and holds the latch back.

I claim as my invention, the hook *m*, within the lock-case and upon the stem 2 of the button or knob *l*, said stem passing through the lock-case and bolt, and, when turned, causing the hook *m* to engage with or disengage from the stud *r*, as and for the purposes set forth.

Signed by me this 14th day of September, A. D. 1870.

Witnesses:

CHARLES PECK,
EDWD. L. PRIOR.

W. T. MUNGER.