

W. T. Munger,
Reversible Latch.
No 84,704. Patented Dec. 8, 1868.

Fig. 1

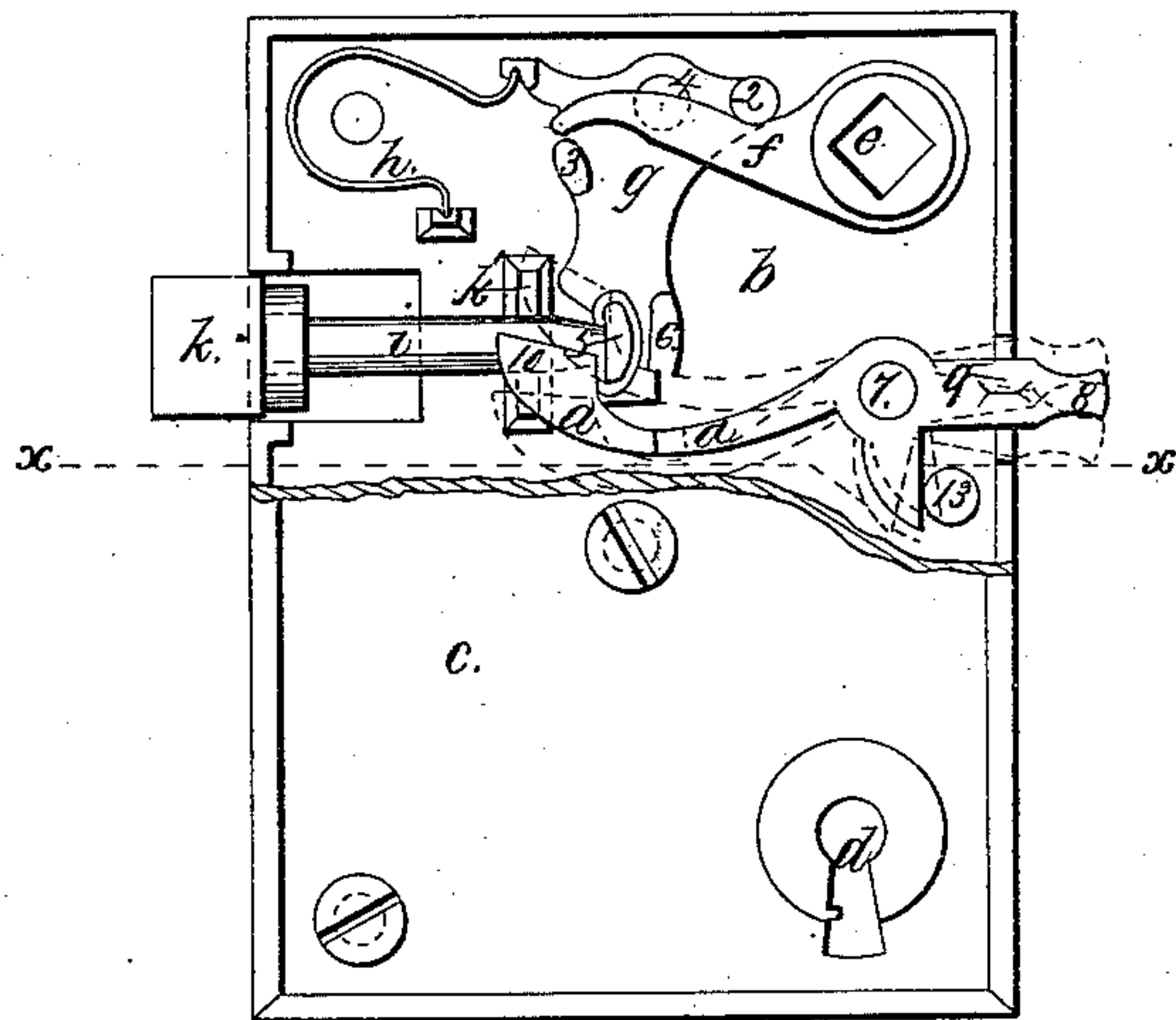


Fig. 2

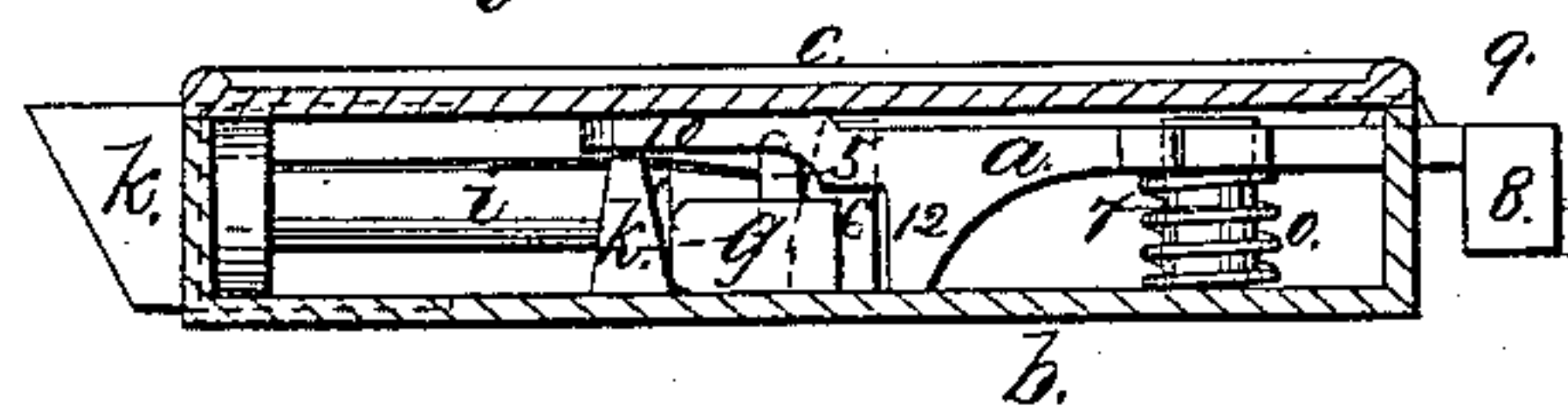
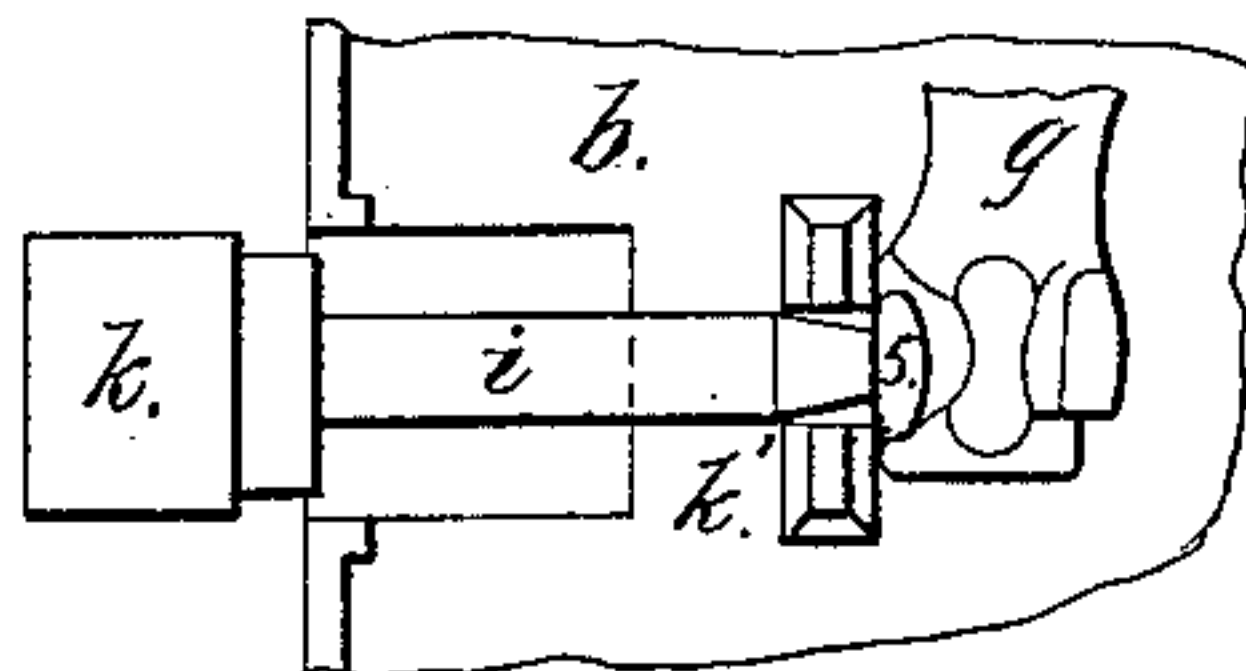


Fig. 3



Witnesses:
Geo. D. Vauken
Chas. Schmid

Inventor:
W. T. Munger
per L. W. Serrell
att'y



W. T. MUNGER, OF BRANFORD, ASSIGNOR TO P. AND F. CORBIN, OF
NEW BRITAIN, CONNECTICUT.

Letters Patent No. 84,704, dated December 8, 1868.

IMPROVEMENT IN REVERSIBLE 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, W. T. MUNGER, of Branford, in the county of New Haven, and State of Connecticut, have invented, made, and applied to use, a certain new and useful Improvement in Locks; and I do hereby declare the following to be a full, clear, and exact description of the said invention, reference being had to the annexed drawing, making part of this specification, wherein—

Figure 1 is an elevation of the lock, with part of the cap-plate and rim of the lock removed;

Figure 2 is an inverted sectional plan at the line *xx*; and

Figure 3 is a detached view of the swinging link and part of the latch-shank.

Similar marks of reference denote the same parts.

This invention relates to a reversible latch, and consists in the combination of a peculiar lever-stop with the reversible latch, said lever-stop being so constructed and located as to perform three duties: the first, to hold the shank of the latch into its recess in the swinging link; the second, to form a stop to prevent the latch being withdrawn, thereby forming a safety-latch; and the third, to allow of the removal of the shank from the swinging link, so that the latch can be drawn sufficiently forward to allow of its being revolved, for reversing the position of the inclination at the end, and thereby making a right or left-hand lock.

In the drawing, the lever-stop *a* is shown in black lines in fig. 1, in the position first above named. The blue lines show the same when acting as a stop, as named secondly, and the red lines the position of said lever for the third-named duty.

b is the lock-case;

c, the cap;

d, the key-hole for any ordinary lock, if it is desired that a bolt be introduced.

e is the hub for the spindle of the knob, with an arm, *f*, that acts upon the studs, 2 and 3, of the swinging link *g*, that hangs on the fulcrum, 4, and has a spring, *h*, to project the latch.

k is the latch-head upon the shank *i*, that slides in

the fixed guides *k*, and has a button-head, 5, that sets into a recess in the lower end of the link *g*, the projection 6, behind the button-head 5, coming up behind the same sufficiently to take the concussion and recoil as the latch is pressed in upon closing the door.

The lever *a* is on a fulcrum, 7, and the back end, 8, of said lever projects through the lock-case.

o is a spring around 7, (see fig. 2,) to keep the lever *a* up against the inside of the cap-plate *c*, and a tooth, 9, taking notches in the surface of the plate *c*, steadies the lever *a* in either of the positions indicated.

The normal position of the lever *a* (first named) is shown by black lines, and the plate 10, formed at the end of said lever, coming over the shank *i*, as shown, holds the button-head from coming out of the recess in the link *g*, or said lever *a* may be moved into the position shown by blue lines, when the projection 12, coming behind the lower end of the link *g*, prevents the latch being drawn back, and thereby firmly secures the door from being opened by turning the handle.

The screw inserted to hold the lock to the door, as at 13, will prevent the lever *a* being turned into the position shown by red lines; but previous to being secured to the door, the lock can be changed, to suit a right or left-hand door, by moving the lever *a* into the position shown by red lines, which allows the button-head 5 to be lifted out of the recess in the link *g*, and the latch drawn forward, so that said button-head takes against the guides *k*, as seen in fig. 3, and in that position the latch can be reversed, pressed back to place, and held by the end, 10, of the stop-lever *a*.

What I claim, and desire to secure by Letters Patent, is—

The lever *a*, acting as a stop, and also retaining the reversible latch, substantially as specified.

In witness whereof, I have hereunto set my signature, this 9th day of July, A. D. 1868.

W. T. MUNGER.

Witnesses:

CHARLES BECK,
EDW'D L. PRIOR.