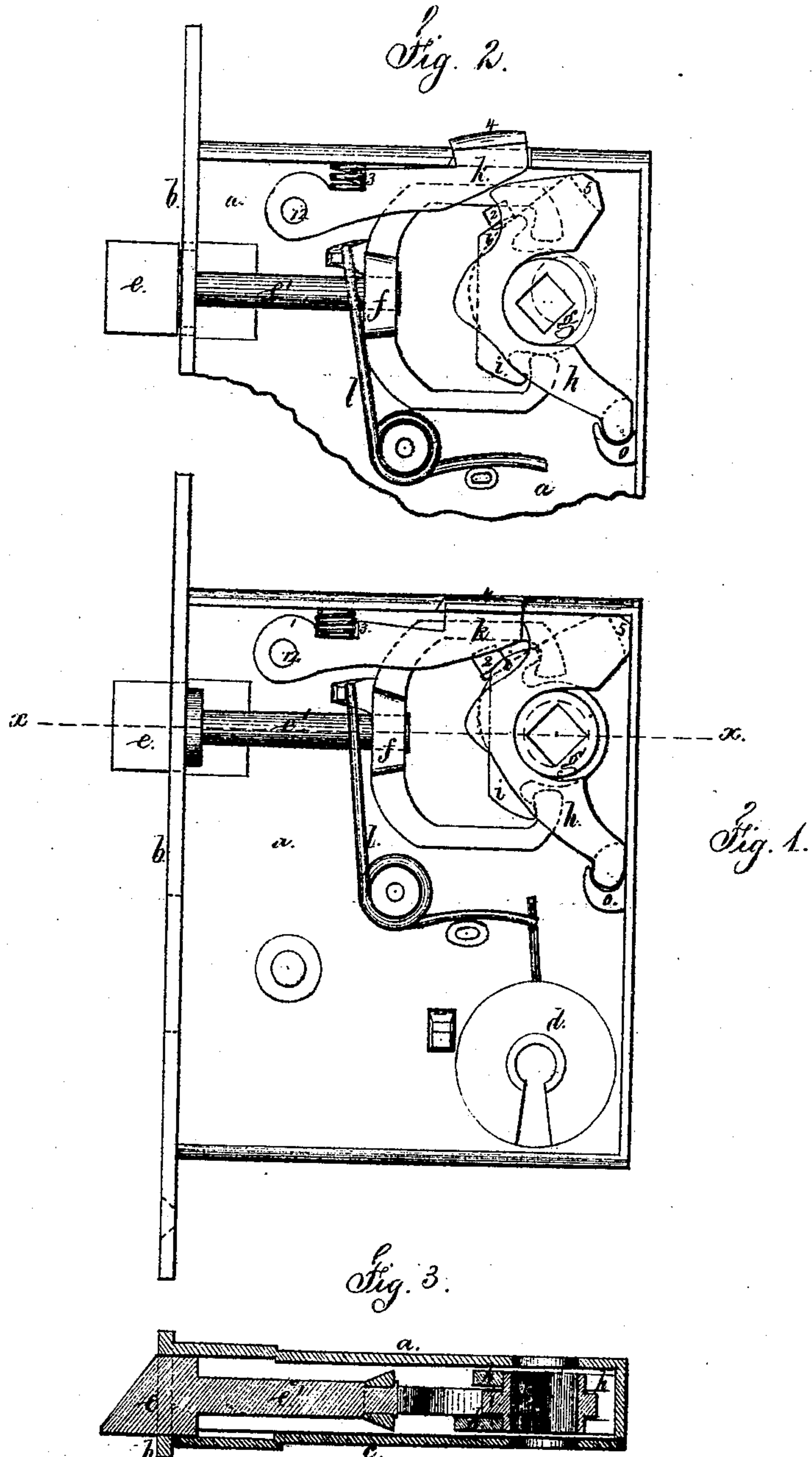


W. T. Munger,

Reversible Latch.

No. 100,313.

Patented Mar. 1. 1870.



Witnesses,

Chas. H. Smith

Geo. A. Warner

W. T. Munger.

per L. W. Ferrell atty.

United States Patent Office.

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

Letters Patent No. 100,313, dated March 1, 1870.

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 New Britain, in the county of Hartford, and State of Connecticut, have invented and made a new and useful Improvement in Reversible Latches; and I do hereby declare the following to be a full clear, and exact description of the same.

This invention consists in a swinging shackle carrying the hub for the spindle and its cams, combined with a stop for retaining the shackle in place, and with the latch and its yoke, so that when the stop is moved, the shackle and hub will swing and allow the squared latch-bolt to be drawn out of the case sufficiently to allow of its being turned for reversing the position of the bevel, and when the latch-bolt is pushed into the case, the shackle is swung up to its place and held by the stop.

In the drawing—

Figure 1 shows the lock with the cap-plate removed, the parts being in their ordinary position;

Figure 2 is a similar view with the latch projected so that it may be reversed; and

Figure 3 is a section at the line *x x*.

The case *a*, lock-plate *b*, cap *c*, and the parts of the lock which may be provided and operated through the key-hole *d*, are to be of any usual or desired construction.

The latch *e*, with its shank *e'*, are of an ordinary character. The shank *e'* passes through the yoke *f*, and may be turned therein when the parts are in the position shown in fig. 2.

The yoke *f* extends above and below the cams *i* of the hub *g*, so as to be acted upon by said cams *i* in withdrawing the latch *e*, in a manner similar to that in ordinary locks and latches.

The hub *g* does not pass into the openings in the lock-case and cap-plate, as usual, neither is it set into a sliding or removable case or frame such as has be-

fore been employed, but the circular ends of the hub *g* are received in notches in the swinging shackle *h*, that is set at one end into the recessed lug *o*, and the upper end has a limited movement allowed of between the case and a stud, 2, so that it may occupy the position shown in fig. 2, to allow of the latch *e* being reversed, or said shackle *h* may be pushed back into the position of fig. 1, and held by the swinging stop *k*, that is set upon the fulcrum 12, and kept down by the spring 3.

The thumb-piece 4 of the stop *k* extends through or at the edge of the cap-plate *c*, so as to be operated from the outside of the lock to allow the parts to be moved, so that the latch can be reversed without opening the lock-case.

The spring *l* for the latch may be of any desired character, and it will be seen, by reference to fig. 3, that the cams *i* and the arms of the yoke *f* pass between the two sides of the swinging shackle *h*.

The shackle *h* has a projection at 5 for the yoke *f* to take against, so that the shackle may be pushed back to place by pushing in the latch *e*.

I am aware that a sliding hub with cams has been before combined with a reversible latch and its yoke, the sliding hub being retained in its normal position by other means than the swinging shackle *h*; these, therefore, I do not claim.

I claim as my invention—

The swinging shackle *h*, carrying the hub *g* and its cams *i*, in combination with the reversible latch *e*, yoke *f*, and stop *k*, substantially as and for the purposes set forth.

Dated this 3d day of December, A. D. 1869.

W. T. MUNGER.

Witnesses:

R. S. PORTER,
CHARLES PECK.