

E. Halley,
Reversible Latch,
No. 50,931, Patented Nov. 14, 1865.

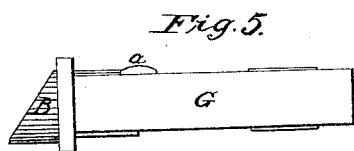
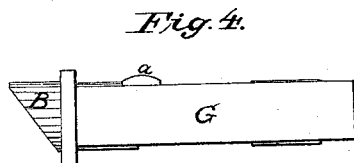
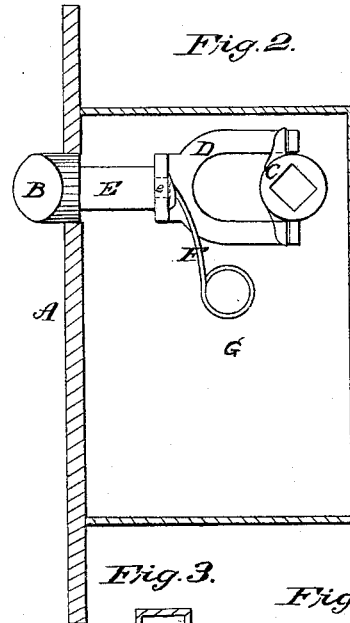
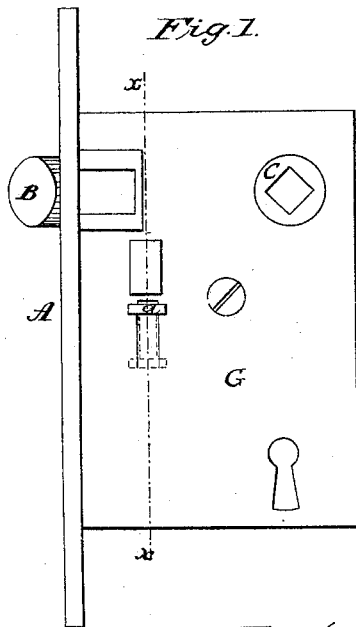


Fig. 3.

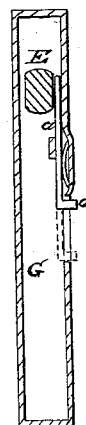
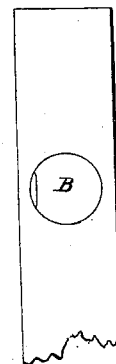


Fig. 6.



Witnesses:

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UNITED STATES PATENT OFFICE.

EDWARD HALLEY, OF BRANFORD, CONNECTICUT.

IMPROVED REVERSIBLE LATCH.

Specification forming part of Letters Patent No. 50,931, dated November 14, 1865.

To all whom it may concern:

Be it known that I, EDWARD HALLEY, of Branford, in the county of New Haven and State of Connecticut, have invented a new and useful Improvement in Reversible Latches; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a side view; Fig. 2, a sectional view, showing the latch and its operative mechanism; Fig. 3, a section cutting through line *xy*; Figs. 4 and 5, end views, the latch reversed and in Fig. 6 a face view.

My invention relates to an improvement in the construction of latches for doors, whereby the latch may be reversed, so as to be applicable to either a right or left hand door; and it consists in making that portion of the latch which passes through the face-plate round and attaching the latch to the horseshoe, so that the latch may be turned over from right hand to left hand and secured in either position without being drawn from the face-plate or any disarrangement of the parts of the latch or lock.

To enable others skilled in the art to construct and use my improved latch, I will proceed to fully describe the same as illustrated in the accompanying drawings.

A is the face-plate; B, the latch-bolt, made

round, as seen in Fig. 6; C, the follower; D, the horseshoe. E, the spindle of the latch, is attached to the horseshoe at *e*, so as to turn freely therein. F is a spring for forcing the latch from its case. These several parts are arranged within a case, G, as seen in Fig. 2.

a is a key or slide to secure the latch-bolt in the proper position (see Fig. 3) for either a right or left hand door, its lower end extending through the case, as seen in Figs. 1 and 3.

The latch-bolt B in Fig. 4 is set as for a left-hand door. If desired for a right-hand door it would be necessary to reverse the bolt, as seen in Fig. 5. To do this draw the key or slide *a* from the position in black to that denoted in red, Figs. 1 and 3. Then turn the bolt B one half over or from the position in Fig. 4 to that in Fig. 5, then return the key *a* to the position denoted in black, Figs. 1 and 3, which secures the latch-bolt in that position, as seen in Fig. 3.

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

Constructing the latch-bolt of the form substantially as described, so as to be reversed without withdrawal from the case, in combination with the slide or key *a*, or its equivalent, in the manner and for the purpose specified.

EDWARD HALLEY.

Witnesses:

JOHN E. EARLE,
RUFUS H. SANFORD.