

Henry H. Elwell's *Improvement in Reversible Latch*
 Assignor to *Norwalk Lock Co.*

116697

PATENTED JUL. 4 1871

fig. 1

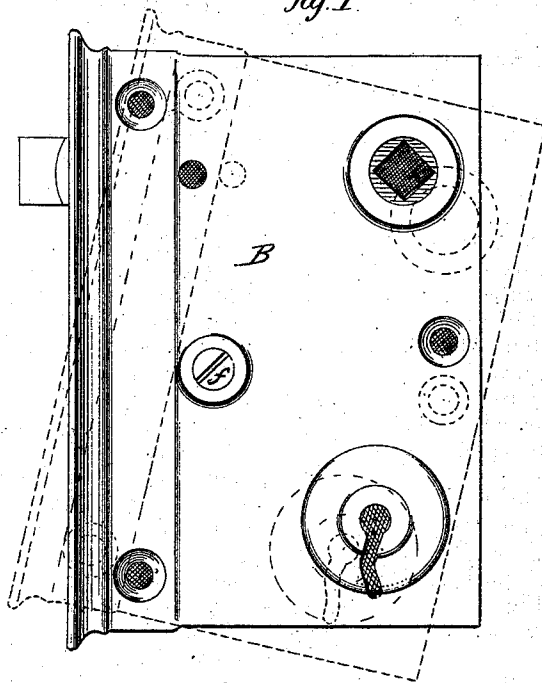


fig. 2

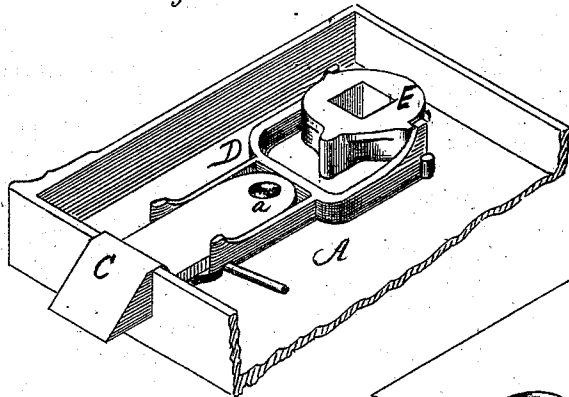


fig. 3

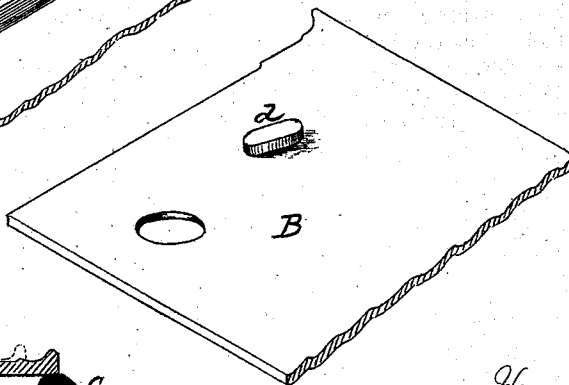
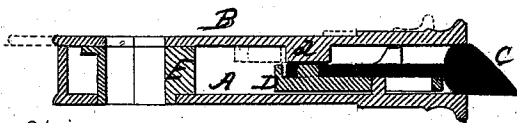


fig. 4



Witnesses,

John T. Shumway
A. J. Tibbets

Henry H. Elwell
 Inventor

By his Atty.

John E. Earle

UNITED STATES PATENT OFFICE.

HENRY H. ELWELL, OF SOUTH NORWALK, CONNECTICUT, ASSIGNOR TO THE
NORWALK LOCK COMPANY, OF SAME PLACE.

IMPROVEMENT IN REVERSIBLE KNOB-LATCHES.

Specification forming part of Letters Patent No. 116,697, dated July 4, 1871.

To all whom it may concern:

Be it known that I, HENRY H. ELWELL, of South Norwalk, in the county of Fairfield and State of Connecticut, have invented a new Improvement in Reversible Latches; and I do hereby declare the following, when taken in connection with the accompanying drawing and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawing constitutes part of this specification, and represents, in—

Figure 1, a side view of the latch, the movable plate represented in broken lines as turned for the purpose of reversing; Fig. 2, an interior perspective view of the latch portion of the case with the plate removed; Fig. 3, the plate detached, inverted; and in Fig. 4, a transverse section through the latch-bolt.

This invention relates to an improvement in what are known as knob-latches, the object being to make the latch reversible so as to be set for a right or left-hand door, and is an improvement on the latch reissued to the Norwalk Lock Company, April 5, 1870. My invention consists in forming the movable bearing which by its movement releases the bolt upon the movable plate of the case, so that by turning the plate the bearing is removed from over the latch-bolt, leaving it free to be taken from its seat and reset.

A is the case; B, the movable plate; C, the latch-bolt, which is pivoted to the yoke, shoe, or lever

D at *a*, and so as to be detached therefrom. The follower E, operating in the usual manner, is set into the case only, as in Fig. 4, and inside the plate B. Upon the inside of the plate B is formed a bearing or projection, *d*, which, when the plate is in position corresponding to the remainder of the case, lies over the latch-bolt, as seen in Fig. 4, so that, while it allows the free movement of the latch-bolt, it prevents its detachment from the yoke or lever; but when the plate is turned, as denoted in broken lines, Fig. 1 and in Fig. 4, the projection *d* is removed from over the bolt, which allows the bolt being taken from its bearing and reset. A screw, *f*, seen in Fig. 1, serves to secure the plate B to the case, and also serves as a pivot upon which to turn the plate.

I do not wish to be understood as broadly claiming a movable bearing within the case, as such is secured to me by the patent before referred to; but

I claim as my invention—

The arrangement of a bearing, *d*, substantially as described, upon the inside of the plate B, combined with the latch-bolt and case, so that by turning the said plate as set forth the latch-bolt is free to be reset, substantially in the manner specified.

HENRY H. ELWELL.

Witnesses:

DAVID E. DISBROW,
DUDLEY P. ELY.