

S. M. Richardson,

Reversible Latch.

N^o 44,977.

Patented Nov. 8, 1864.

Fig. 1.

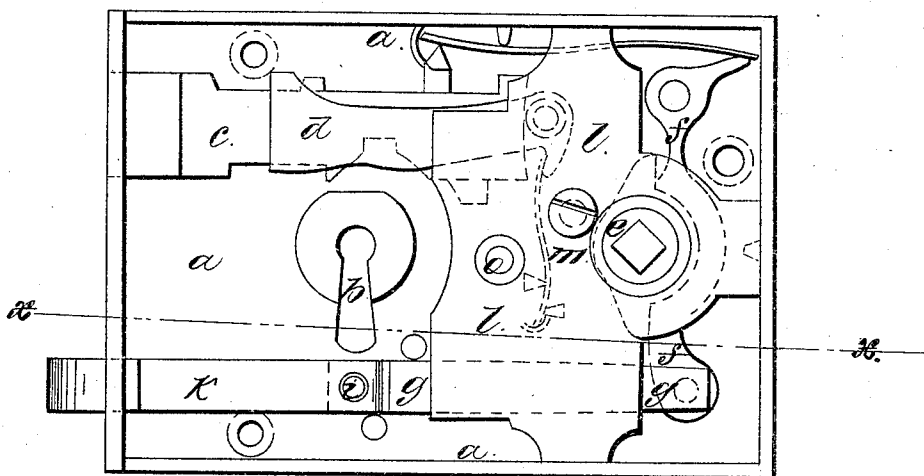
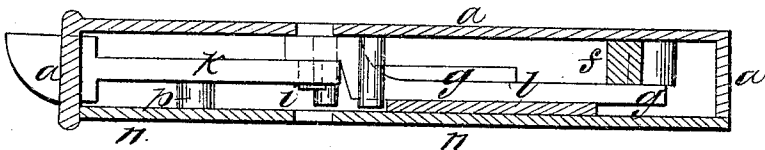


Fig: 2.



Witnesses:

Samuel W. Serrell
Mrs. Geo. Harold

Inventor:

S M Richardson

UNITED STATES PATENT OFFICE.

SAMUEL M. RICHARDSON, OF NEW YORK, N. Y.

IMPROVEMENT IN KNOB-LATCHES.

Specification forming part of Letters Patent No. 44,977, dated November 8, 1864.

To all whom it may concern :

Be it known that I, SAMUEL M. RICHARDSON, of the city and State of New York, have invented, made, and applied to use a certain new and useful Improvement in Rim-Locks; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the annexed drawings, making part of this specification, wherein—

Figure 1 is an elevation of my lock with the cap-plate removed, and Fig. 2 is a horizontal section at the line *xx* of Fig. 1.

Similar letters denote the same parts.

Mortise-locks have heretofore been made with a reversible latch that could be adapted to a door closing in either direction, and rim-locks have been made with both faces alike, so as to be placed on the door with either side outward, and provided with a lever-latch taking an incline on the nosing.

The nature of my said invention consists in an interior plate that holds the parts of the lock together, but allows the latch to be reversed, in combination with a cap-plate that covers the lock and renders both sides alike, so that the lock can be placed upon the door either side outward.

In the drawings, *a* is the box of the lock, *b* the key-hole, *c* the bolts, *d* the tumbler. *e* is the tumbler or hub, with the projections or horns acting upon the lever *f*, to which the latch is applied.

The foregoing parts may be of any desired size or character.

The latch-slide *g* connects to the end of *f*,

and slides between supports or studs *h h*, and *i* is a pin on *g*, receiving the eye of the latch *k*, and said latch *k* is made, as represented, so that it can be lifted off the pin *i* and reversed to bring the inclined end in either direction, as required. The hub *e* is held in position by the inner plate, *l*, secured by a screw, *m*, which plate, while holding the parts of the lock properly in place, allows the latch to be reversed, because said plate does not extend over the whole of the lock.

To cover up the parts of the lock and make the faces look alike, so that either side can be outward on the door, I employ the plate *n*, secured by a screw at *o* and carrying a stud, *p*, which is contiguous to the latch *k*, and holds it properly, so that it will not come off the pin *i* until this plate *n* is unscrewed and removed.

By this mode of construction the rim-lock is adapted to either side of the door and to left or right handed doors, and the ordinary nosing is to be employed.

Having thus described my said improvement, what I claim, and desire to secure by Letters Patent, is—

The plate *l* to hold the parts of the lock in position, in combination with the reversible latch and the cap-plate *n*, as set forth.

In witness whereof I have hereunto set my signature this 13th of July, 1864.

S. M. RICHARDSON.

Witnesses:

LEMUEL W. SERRELL,
THOS GEO. HAROLD.