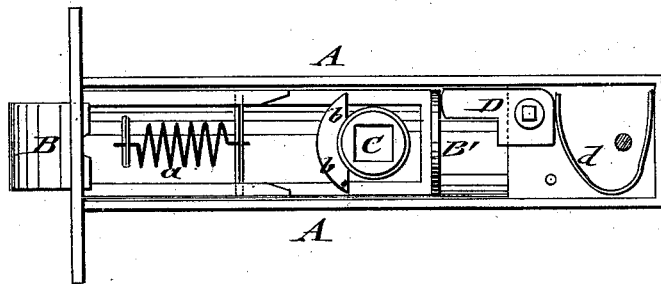


C. H. LABELLE.  
Reversible-Latch.

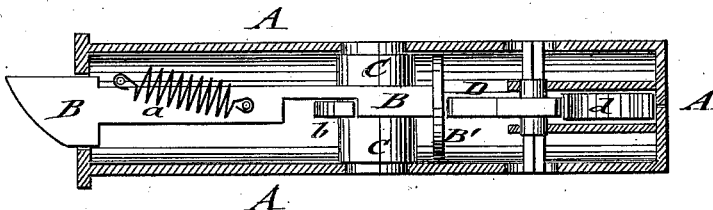
No. 199,452.

Patented Jan. 22, 1878.

*Fig: 1.*



*Fig: 2.*



WITNESSES:

*Chas. Niere*  
*J. H. Scarborough*

INVENTOR:

*C. H. Labelle*

BY *Munn & Co*

ATTORNEYS.

# UNITED STATES PATENT OFFICE.

CHARLES H. LABELLE, OF KEESEVILLE, NEW YORK.

## IMPROVEMENT IN REVERSIBLE LATCHES.

Specification forming part of Letters Patent No. **199,452**, dated January 22, 1878; application filed October 18, 1877.

*To all whom it may concern:*

Be it known that I, CHARLES HENRY LABELLE, of Keeseville, in the county of Essex and State of New York, have invented a new and Improved Mortise-Lock, of which the following is a specification:

In the accompanying drawings, Figure 1 represents a side view of my improved mortise door-lock, with part of shell detached to show the interior; and Fig. 2 is a horizontal section of the same.

Similar letters of reference indicate corresponding parts.

This invention relates to an improved cylindrical mortise-lock for doors, that can be reversed and used on the right and left side of the door without removing the latch, as in other mortise-locks; and the invention consists of a sliding and spring-acted bolt, that is operated by a cam of the spindle-socket, and provided with a back plate, against which the spring-latch is placed for locking the door.

In the drawings, A represents the outer cylindrical casing or shell of my improved mortise-lock, which is inserted into the door after boring a hole of corresponding size, and screwing then the face-plate to the edge of the door. The bolt B is guided in the casing by means of a square opening in the face-plate, and by a disk, B', at the rear end, which is of equal diameter with the interior of the casing. A spiral or other spring, *a*, carries the bolt forward in the customary manner, while the spindle of the door-knob carries the bolt back by means of a spindle-socket, C, having a projecting cam, *b*, that engages by its top or bottom parts the recessed bolt. Cam *b* is

rounded off at the outside, so as not to interfere with the casing when turning the spindle.

The spindle-socket has a square perforation for the spindle, but is of cylindrical outside shape, and turns, by its recessed ends, in holes of the casing, as shown in Fig. 2.

As the bolt is thrown back by the turning of the spindle in either direction, the lock may be reversed without changing the position of the bolt, and used thus with equal facility in reversed position on the right or left hand side of a door.

The bolt is locked by a pivoted spring-latch, D, that is operated by a key of any suitable shape from either side of the casing, there being key-holes for the introduction of the key on the opposite sides of the casing. A spring, *d*, presses the bolt or latch D against the disk-plate at the rear end of the bolt, and keeps the same thereby rigidly in position, so as to lock the door and prevent the turning of the knobs.

By turning the lock down the lock may be worked in the customary manner, it forming thus an exceedingly simple, compact, and effective reversible mortise-lock for doors.

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

The combination, with disk B' on the rear end of a mortise-lock bolt, of the dog D and spring *d*, constructed and arranged as and for the purpose specified.

CHAS. HENRY LABELLE.

Witnesses:

WILLIAM HENRY WEBER,  
WILLIAM HENRY GRAVES.