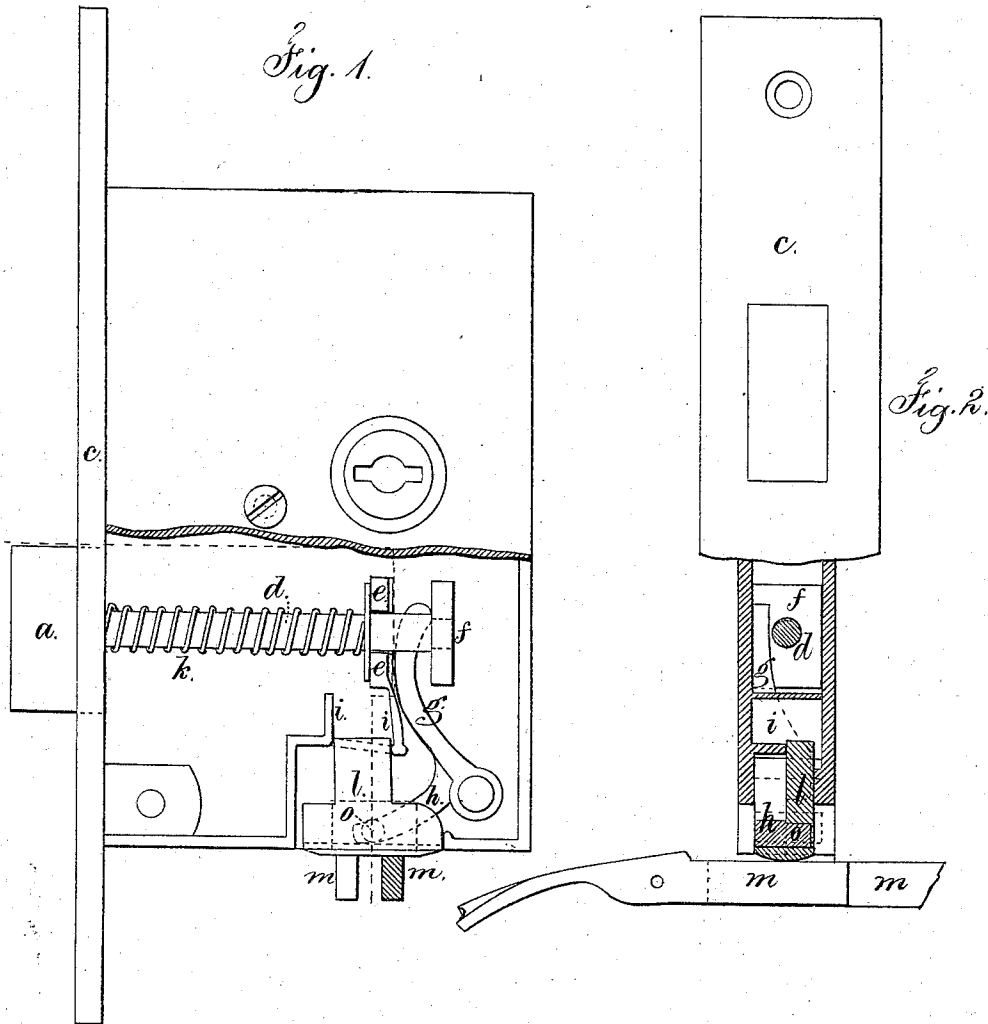


W. T. MUNGER.
Mortise Door-Latches.

No. 138,680.

Patented May 6, 1873.



Witnesses,

Chas. H. Smith
Geo. A. Walker

Inventor

Wallace T. Munger,

Lemuel M. Perrell atty.

UNITED STATES PATENT OFFICE.

WALLACE T. MUNGER, OF NEW BRITAIN, CONNECTICUT, ASSIGNOR TO
P. CORBIN AND F. CORBIN, OF SAME PLACE.

IMPROVEMENT IN MORTISE DOOR-LATCHES.

Specification forming part of Letters Patent No. **138,680**, dated May 6, 1873; application filed
April 12, 1873.

To all whom it may concern:

Be it known that I, WALLACE T. MUNGER, of New Britain, in the county of Hartford and State of Connecticut, have invented Improvement in Mortise-Latches for Store-Doors, of which the following is a specification:

Mortise-latches have heretofore been constructed with a bent lever to operate the spring-latch; and in the bottom of the case is an opening, in which the thumb-piece levers operate upon one arm of the aforesaid bent lever. In consequence of the thumb-piece levers from the handles at the opposite sides of the door being side by side, one of them is nearer to the fulcrum of the bent lever than the other, and hence it requires more force to operate the thumb-piece at one side of the door than at the other.

My present invention is made to obviate this difficulty; and consists in combining with said bent lever a slide-block, pivoted to the end of the bent lever, and moving in a recess provided for it in the lock-case. The thumb-piece levers act upon this block, and the leverage being equal, the latch is withdrawn with equal facility by pressure upon either thumb-piece.

In the drawing, Figure 1 is an elevation of the latch, a portion of the case being broken open to show the parts; and Fig. 2 is a cross-

section, showing the slide-block, bent lever, and actuating thumb-levers.

The latch *a* slides through the front plate *c*, as usual, and within the case is the shank *d* of the latch sliding between the lugs *e e* and terminating as a button, *f*, against which the arm *g* of the bent lever acts. *h* is the spring of the latch. The other arm *k* of this bent lever is nearly horizontal, and has a stud-pivot, *o*, at its end for the block *l* that slides in guides *i i* in the lock-case. The bottom of the lock-case is recessed so as to allow the latch thumb-levers *m m* to act upon the slide-block, and, as the power upon the thumb-levers *m* is transferred by the block *l* to the stud-pivot *o* of the lever *g h*, the leverage is the same, and the force to withdraw the latch corresponds whether applied to one thumb-piece or the other.

I claim as my invention—

The slide-block *l* within the case near the opening in the bottom thereof and pivoted to the end of the lever *g h*, in combination with the latch *a*, substantially as and for the purposes set forth.

Signed by me this 4th day of April, A. D. 1873.

Witnesses: W. T. MUNGER.
CHARLES PECK,
JOHN R. SLOANE.