

John H. Morse's - Door-Lock

No. 121,253.

Patented Nov. 28, 1871.

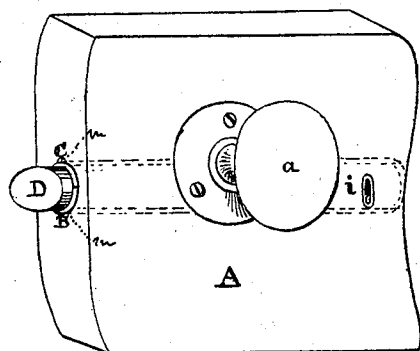


Fig. 1.

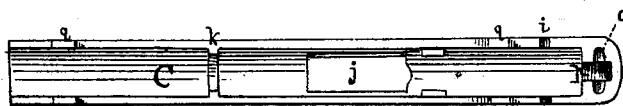


Fig. 2.

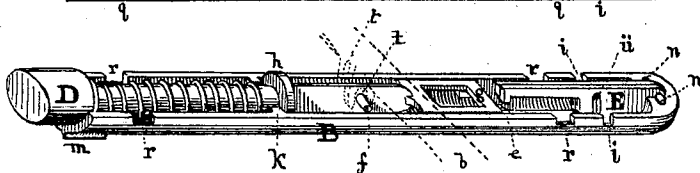


Fig. 3.

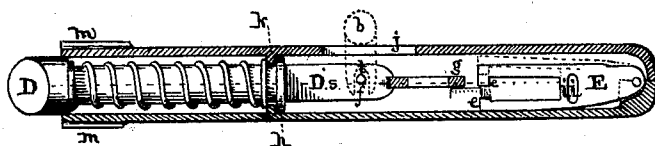


Fig. 4.

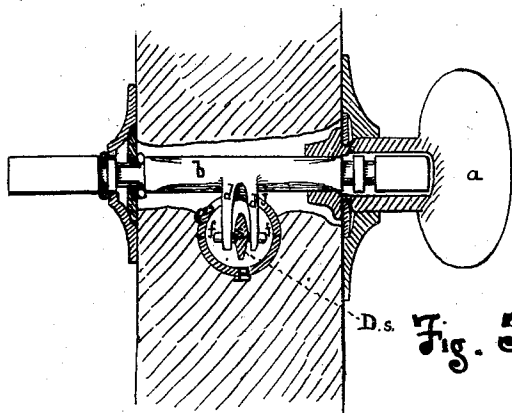


Fig. 5.

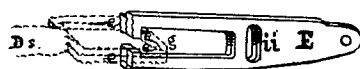


Fig. 7.

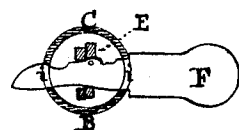


Fig. 6.

Witnesses

Edmund Thudon?
James H. Morse.

Inventor

J. H. Morse

UNITED STATES PATENT OFFICE.

JOHN H. MORSE, OF PEORIA, ILLINOIS.

IMPROVEMENT IN COMBINED LATCHES AND LOCKS.

Specification forming part of Letters Patent No. 121,253, dated November 28, 1871; antedated November 18, 1871.

To all whom it may concern:

Be it known that I, JOHN H. MORSE, of Peoria, Peoria county, State of Illinois, have invented certain Improvements in Door-Locks, of which the following is a specification:

The nature of my invention consists in constructing a metal case, tubular in form, with stays or ribs upon upper and lower halves for holding it in the door. This case being split in halves from end to end can be opened and a round bolt or latch placed within and operated by a spiral spring, latch, or bolt operated by a knob placed upon a rod, with arms reaching down into the case and taking hold of lugs attached to the bolt. This bolt or latch being flattened at the tail end a cross-bar is formed thereon. Within the case and behind the bolt are one or more jawed tumblers, and when used simply as a latch the cross-bar is held by and within the jaws of tumblers; but if it is desired to be used as a lock, a flat key, made in proper shape, may be inserted in the key-hole, opening the jaws of tumblers, and the cross-bar will be released from them and the latch will shoot forward by the force of a spiral spring. The key being removed the tumblers will fall down and the bolt be prevented from being withdrawn by the cross-bar coming in contact with the tumblers.

Figure 1 is a lock complete; Fig. 2, upper half of lock-case; Fig. 3, perspective view of interior of lock-case; Fig. 4, sectional elevation; Fig. 5, vertical section of lock, door, &c.; Fig. 6, section of lock, showing insertion of key and its action on tumblers; Fig. 7, perspective view of tumblers.

The manner of attaching it to a door is as follows: Into the edge of the door, at a proper height, bore a hole the size and depth of metal case C B, Fig. 1, and back from the edge of door about three inches, and just above the lock, a cross hole to receive the knob-rod *b*. (See Fig. 5.) Now place the metal case C B containing the bolt and tumblers within this hole, with the hole *j* in the upper half of case C uppermost, and drive it within a half inch of home. Insert the knob-rod *b* with its two arms *d d* turned to the front; turn them down into the case C B through the hole *j*. (See dotted lines, Fig. 4.) The arms *d d* will straddle the flattened part *D s* of bolt D, and the slots *t t* in arms *d d* will catch the pin *f f*, as seen in Figs. 3 and 4, dotted lines. Drive the case C B into the door flush with the edge of door, put on the knobs, and cut the key-hole *i*, (see Fig. 1,) and the stays *m m* will hold it in position. The whole is then complete.

What I claim as my invention, and desire to secure by Letters Patent, is—

The form of round bolt D, with its flattened part *D s*, pin *f f*, cross-bar *g*, in connection with tumblers E, all inclosed in a round metal case, C B, with stays *m m*, and operated with knob-rod *b*, with arms *d d*, and flat key F, all working in the manner and for the purpose herein specified.

J. H. MORSE.

Witnesses:

JAMES M. MORSE,
J. AMBOY.

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