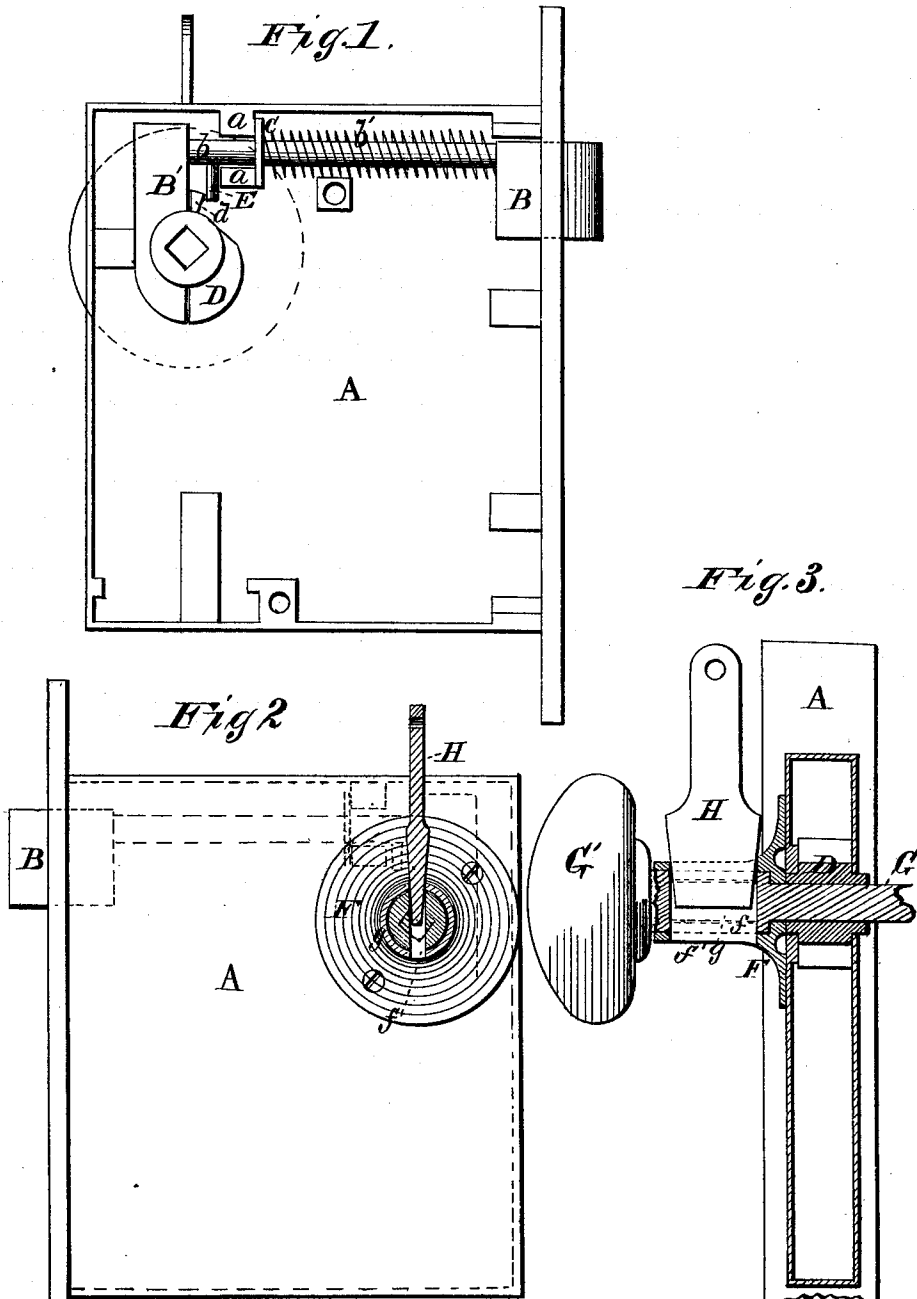


J. H. KINSMAN.

Knob-Latch.

No. 185,760.

Patented Dec. 26, 1876.



WITNESSES.
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JOHN H. KINSMAN, OF SALEM, MASSACHUSETTS.

IMPROVEMENT IN KNOB-LATCHES.

Specification forming part of Letters Patent No. **185,760**, dated December 26, 1876; application filed September 12, 1876.

To all whom it may concern:

Be it known that I, JOHN H. KINSMAN, of Salem, in the county of Essex and State of Massachusetts, have invented certain new and useful Improvements in Latch Locks, of which the following is a specification:

Figure 1 is a plan view with the top plate removed. Fig. 2 is a side elevation of the lock, showing, in section, the rose-shank, spindle, and wedge or key. Fig. 3 is a sectional view on a vertical line through the rose, spindle, and spindle-sleeve, with wedge in position for locking the parts.

The object of the present invention is to produce a lock wherein by one key or suitable device the handle and latch can both be held secure at the same time; and to this end it consists more particularly in making a recess or slot in the rose-shank and in the spindle, and in adapting thereto a key or wedge, so that it will lock the spindle, while at the same time a spur or shoulder on the hub inside the lock serves to hold a pin or lug depending from the inner end of the latch, whereby neither the handle can be turned, nor can the bolt be thrown back by any means operating upon it, all as will now be fully set forth and explained.

In the accompanying drawings, A denotes any ordinary lock-case, having latch B, with rod or tail-piece *b* and spring *b'*, constructed and attached in the usual way. The posts *a* serve to guide the rod or tail-piece, and afford support for the seat C of the spring. The latch is moved in the usual way by the spindle G of the handle G' operating through the hub D on the latch-arm B', which depends and is curved so as to fit upon the side of said hub. On the upper or top part of said hub is a spur, *d*, adapted to act upon the inner face of arm B' when the handle is turned, and thus throw back the latch. When the latch is out the said lug rests between the upper part of said arm B' and a pin or lug, E, which is fixed in the under side of the rod or tail-piece *b* of

the latch. One office of the lug is to stay or limit the outward movement of the latch by engaging against post *a*. The shank *f'* of the rose F is slotted at *f*, and likewise the spindle G is slotted at *g*. When the bolt is thrown these two slots coincide, and afford a seat or opening, into which a wedge or key, H, can be fitted. When this is done the handle cannot be turned, because the wedge or key, engaging on the shank of the rose, will allow no movement, while on the inside of the lock the pin E is held on the one side by posts *a*, and on the other by the spur *d* of the hub D. In this way the latch may be held when thrown outward, and cannot be moved by any strain on the handle G', nor can the latch be pushed backward by any pressure on its outer end. Thus, by a single instrument, the latch can be locked securely against all attempts from the outside to throw back the bolt, whether operating on the handle or on the latch.

I have in this instance shown a wedge as adapted to lock these parts, and this can be attached to the lock by a chain, or in any convenient way or manner; but it may be found of advantage in many locks to have simply a key of such shape and size as to be readily adapted to fit into the seat in the rose-shank and spindle, or any convenient device may be used for this purpose.

Having thus described my invention, what I consider new, and desire to secure by Letters Patent, is—

In a lock, as herein described, the combination of the slotted rose-shank, slotted spindle, and wedge with the hub D, having spur *d*, and latch-arm B', rod *b*, and lug E, substantially as and for the purposes set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

JOHN H. KINSMAN.

Witnesses:

WILLIAM FITCH,
PHILIP McNICKLE.