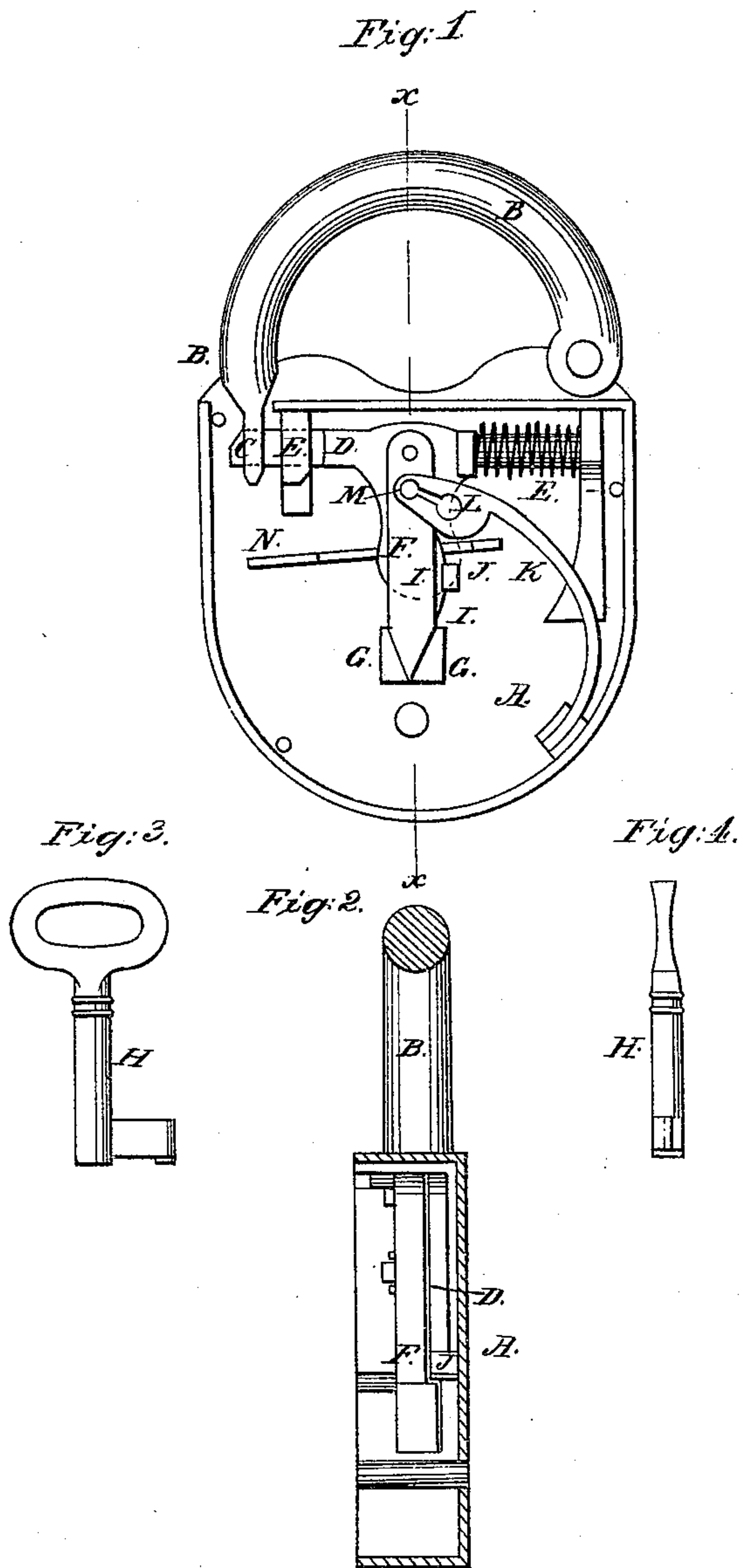


W.H. Murphy,

Padlock,

No 68,527,

Patented Sep. 3, 1867.



Witnesses.

Theo. Truse.

J. A. Service.

Inventor.

W. H. Murphy

Per. *Murphy*

Attorneys

United States Patent Office.

WILLIAM H. MURPHY, OF VERSAILLES, OHIO.

Letters Patent No. 68,527, dated September 3, 1867.

IMPROVEMENT IN PADLOCKS, &c.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, W. H. MURPHY, of Versailles, in the county of Darke, and State of Ohio, have invented a new and useful Improvement in Locks, and that the following description, taken in connection with the accompanying drawings, hereinafter referred to, forms a full and exact specification of the same, wherein I have set forth the nature and principles of my said improvement, by which my invention may be distinguished from all others of a similar class, together with such parts as I claim, and desire to have secured to me by Letters Patent.

The present invention relates to a novel arrangement of parts within the casing of the lock, and of their connection with the bolt, whereby, to withdraw or to draw in the bolt, a certain combination of movements must be performed with the key that are of such a nature as to confuse and blind, as it were, those persons unfamiliar with the same, and thus, in that respect, serving as a safeguard against the unlocking of the lock, except by those having authority and instructed so to do. In the accompanying plate of drawings my improvement in locks is illustrated—

Figure 1 being a view of the inside of the lock-casing, showing its working parts.

Figure 2, a transverse section through the lock-casing, in plane of line *x x*, fig. 1.

Figures 3 and 4, views of the key to the lock.

A, in the drawings, represents the casing or box to the lock, which, in the present instance, is made of a shape similar to the casing of the ordinary padlocks. B, the shackle or link-bar, hung to casing A at one end so as to enter by its other end, C, the lock-casing, where, through a spring-bolt, D, arranged to slide in suitable guides, E, thereof, it is locked and held. F, a lever, hung at one end to upper side of bolt D. This lever extends toward the key-hole of the lock, and at such end is made of a wedge shape, with a flange or lip, G, upon each side, and in position for the key H to lock when properly inserted therein to come to a bearing against them, as and for a purpose to be hereinafter stated. I, a lip on one side of lever F, by which lip the said lever is engaged with and under the catch-piece or staple, J, forming a part of the bolt to the lock. K, a bent or bow-shaped spring, fixed at one end to side of lock-casing A, and at its other hung by a slot, L, upon a stud or pin, M, of the bolt-lever F.

With a lock having the lever attachment to its bolt above described, to unlock the lock insert the key therein, when, turning it to the left, at the same time slightly pushing it inward, the lever F is swung to the left, to a position against the stop-piece N, when, continuing to hold the lever down, allow it to swing slightly back to the right until it locks itself by its lip I with the catch J, to the bolt, which being done, then draw out the key sufficiently to clear the lever, over which swing it to the left, when, bringing it to bear against such side of the lever, turn or swing the key to the right, which causes the bolt to be drawn or moved inward, as is obvious, and thus to be released from the shackle or link-bar. In the locking of the lock the bolt is self-acting, and when thus locked the lever is thrown out of connection with the bolt catch-piece, so as to deceive or confuse any person attempting to unlock the lock who is not familiar with the construction or mode of operating the key.

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

The lever F, in combination with bolt D, when both are constructed, arranged, and hung together substantially as and for the purpose described.

WM. H. MURPHY.

Witnesses:

JOHN MURPHY,

SIMON MURPHY.