

L. P. Decker,

Patlock.

N^o 61,055.

Patented Jan. 8, 1867.

Fig. 1.

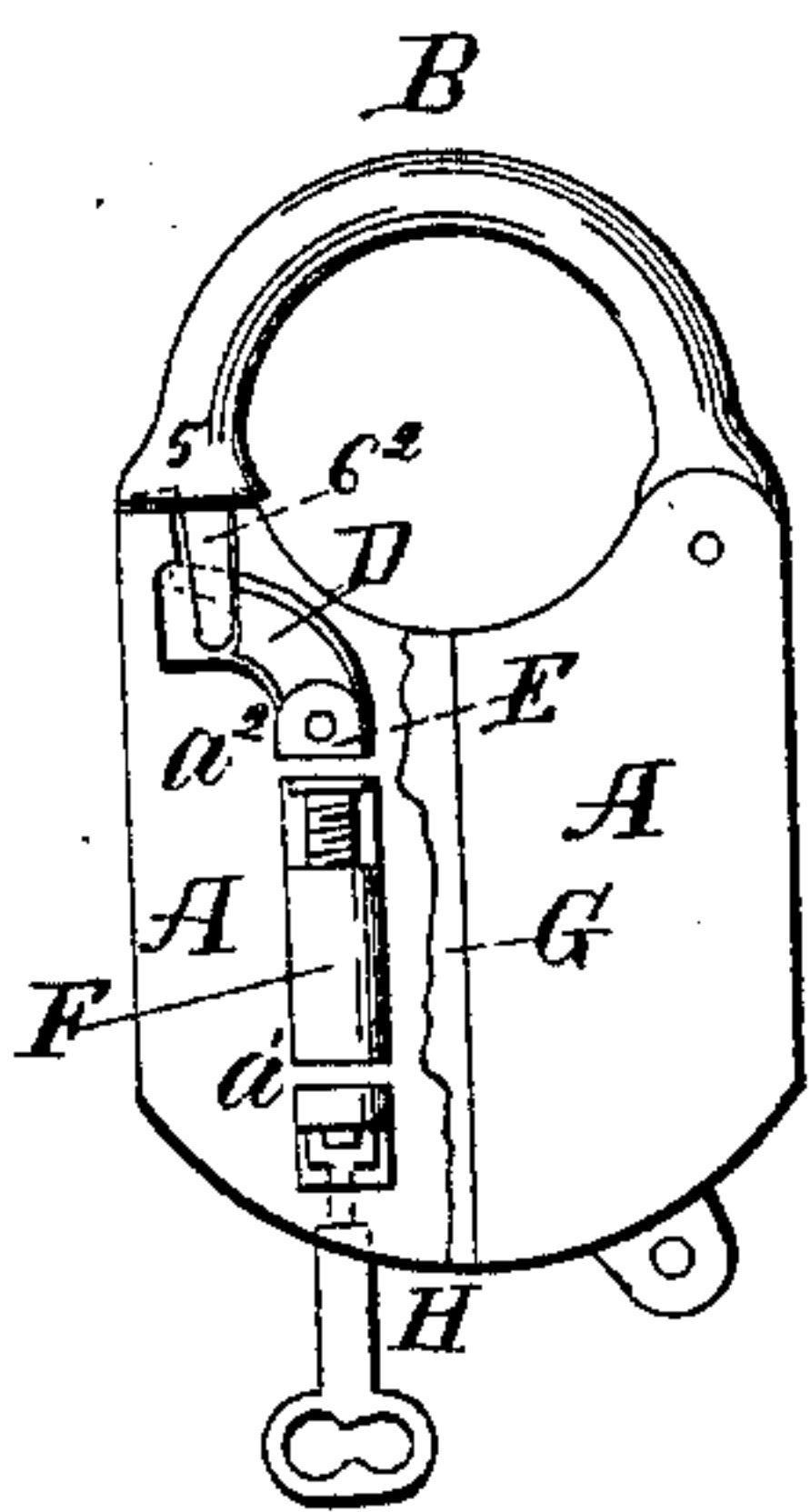
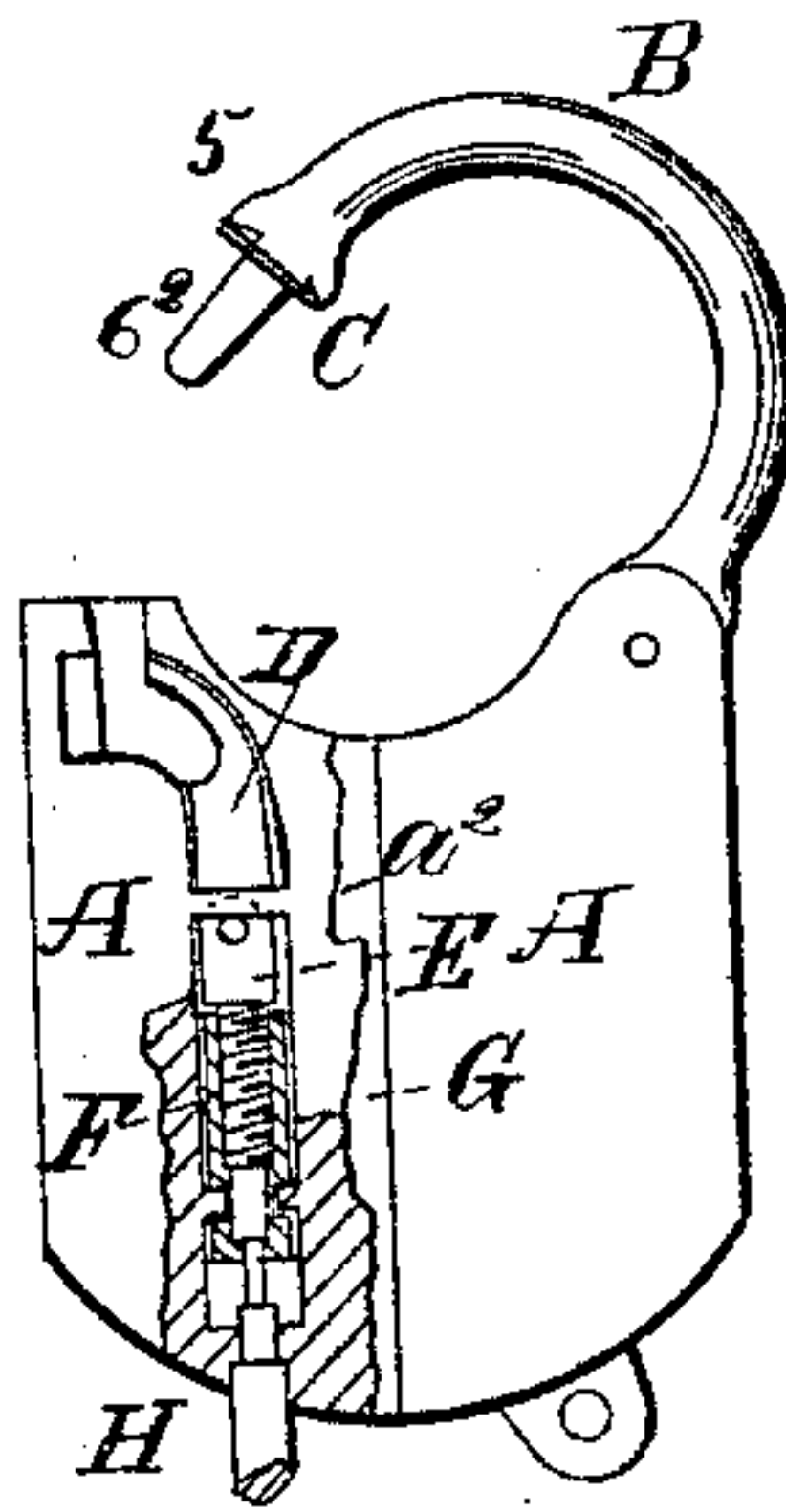


Fig. 2.



Witnesses:

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LEWIS P. DECKER, OF WILLIAMSBURG, NEW YORK.

Letters Patent No. 61,055, dated January 8, 1867.

IMPROVEMENT IN LOCKS.

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, LEWIS P. DECKER, of Williamsburg, in the county of Kings, and State of New York, have invented a new and useful improvement in Locks; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a side view of my improved lock, the cap or plate being removed.

Figure 2 is a side view of my improved lock, the cap or plate being removed and part being broken away to show the construction.

The object of my invention is to furnish a lock, safe, cheap, and simple in construction.

And it consists, first, in operating the bolt of a lock by a screw; second, in the combination of the female screw, male screw, and pivoted bolt with each other, and with the body of the lock; third, in casting the body of the lock solid, with a cavity or channel cast therein for the reception of the operating parts; fourth, in the combination of a rubber packing with the bevelled or hollowed shoulder of the link, to prevent the access of water to the working parts of the lock to rust them when the lock is exposed to the weather.

A is the body of the lock, which is cast solid, with a cavity or channel cast therein for the reception of the operating parts. B is the link, one end of which is pivoted in a notch formed in one end of the upper edge of the lock in the ordinary manner. The shoulder b^1 of the tongue or tennon b^2 of the link is bevelled or hollowed out around the base of said tongue, b^2 , to receive the rubber packing C, which fits around the base of said tongue, and which, when the lock is closed, is compressed between the said shoulder, b^1 , and the body A of the lock, so as to prevent the ingress of water to the interior of the said lock around the tongue b^2 . A hole is formed through the tongue b^2 for the reception of the bolt in the ordinary manner. D is the bolt of the lock, which is made curved, as shown in figs. 1 and 2, and is pivoted at its base to the forward end or head of the male screw E. The male screw E fits into the female screw F, and by the turning of said female screw is drawn in and out, operating the bolt D. Around the lower end or head of the female screw F is formed a groove or neck, into which fits the edge of the collar or bar a^1 to prevent the said screw from moving longitudinally when turned to operate the bolt D. a^2 is a bar fitting down upon the head of the male screw E to hold it in its place while being operated. These bars, a^1 and a^2 , may be cast upon the under side of the plate G, if desired. The plate G fits into a notch formed in the body A of the lock, and covers the operating parts of said lock. After the operating parts of the lock have been inserted in their place, the plate G is securely riveted to the solid body A of the lock. In the lower end or head of the female screw F are formed two holes, into which the prongs of the forked key H enter, and turn the said screw, operating the bolt D. The key H enters through a hole of the proper shape and size, formed in the lower edge of the lock body A, a sufficient space being left between the head of the screw F and the lower end of the cavity in the body A for the fork or end of the key H to move through while seeking the holes in the head of the said screw F. The shank of the key H should be made small, so that the key-hole may be small, rendering it very difficult to pick the lock, blow it up with powder, or open it without the key that belongs to it. I have illustrated and described my invention as being applied to padlocks, but it is equally applicable to all other kinds of locks.

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

1. The combination of the pivoted bolt D, male screw E, and female screw F with each other, and with the body A of the lock, substantially as herein shown and described.

2. The combination of the rubber packing C with the bevelled or hollowed shoulder b^1 of the link B, substantially as herein shown and described.

The above specification of my invention signed by me this 29th day of August, 1866.

LEWIS P. DECKER.

Witnesses:

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