A. O. KRUGER.

PAD-LOCK.

No. 184,087. Patented Nov. 7, 1876.

Fig. 1

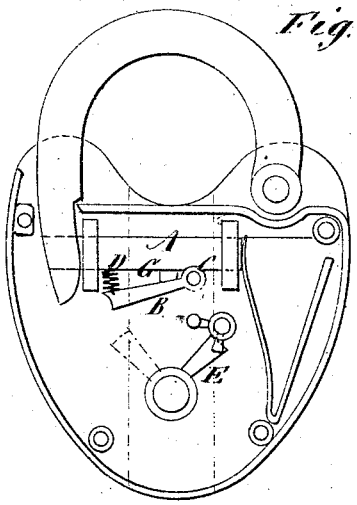


Fig. 2

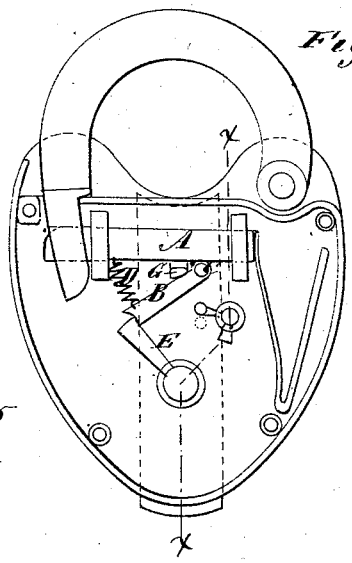


Fig. 5

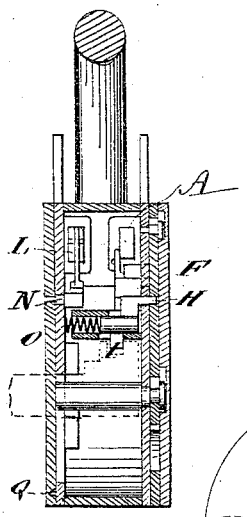


Fig. 3

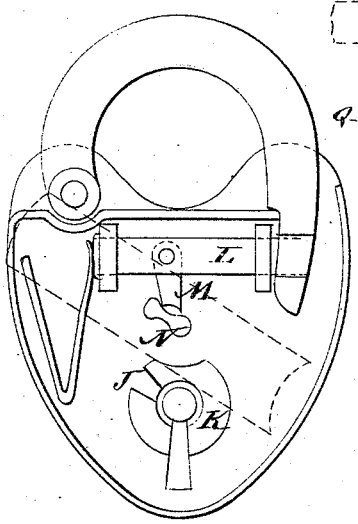
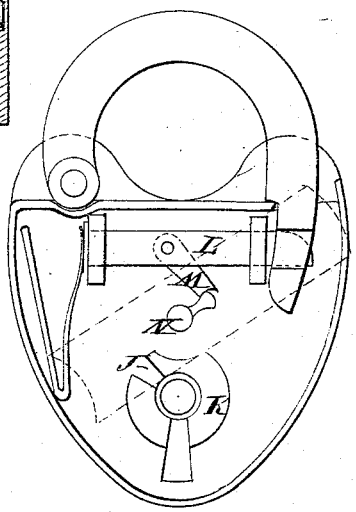


Fig. 4



WITNESSES:

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UNITED STATES PATENT OFFICE.

ANTHON O. KRUGER, OF ROCK HARBOR, MICHIGAN.

IMPROVEMENT IN PADLOCKS.

Specification forming part of Letters Patent No. **184,087**, dated November 7, 1876; application filed August 28, 1876.

To all whom it may concern:

Be it known that I, ANTHON O. KRUGER, of Rock Harbor, Isle Royal, Lake Superior, county of Isle Royal, State of Michigan, have invented a new and Improved Lock, of which the following is a specification:

This invention consists of a pawl connected to the bolt, and so held by a spring that it must be pushed by a thumb-piece into the path of the key before the latter will engage it, so as to throw back the bolt, and the thumb-piece is locked by a spring-pin inside of the lock, so that it cannot be moved until the spring-pin is drawn out by the key. The invention also consists of a secondary bolt, to be worked by a key-hole plate and a stud on it, which engages the bolt by a pawl, which is pivoted to it, so as to swing into and out of the position to be engaged with the key-hole-plate stud, which must itself be adjusted to a certain position to receive the pawl, the whole making an efficient lock that cannot be opened by one not acquainted with the mode of operating it. The secondary bolt and the contrivance for working it form a separate lock, which may be used independently of the other, if desired.

Figures 1 and 2 are side elevations of the main lock. Figs. 3 and 4 are side elevations of the secondary lock; and Fig. 5 is a sectional elevation of the complete lock, taken on line *x x* of Fig. 2.

Similar letters of reference indicate corresponding parts.

A is the main bolt, to which the pawl B is attached by the pivot C and spring D, and so adjusted that the key-bit E will turn past the end of the pawl, unless the latter is pressed down into the path of the bit. For this purpose the thumb-plate F is fixed on one side of the lock-case with a push-pin, G, and fixed so that it will slide down under pressure of the finger or thumb upon the upper end, and press down the pawl, so that the key-bit will engage it; but in order that the slide shall not be permitted to be moved except by one authorized to open the lock, a spring-pin, H, is employed to lock it, which must first be drawn back by the key-bit E, which is first swung under the stud I, and then drawn back into the notch J of the guard K, on the inside of the front plate of the lock. After pulling the locking-pin and sliding the plate down, the key is again pushed forward out of the notch J, and then turned around against the pawl B, to throw back the bolt. L is the auxiliary bolt, on which is a pivoted pawl, M, which hangs freely on its pivot, so that the stud N of the key-hole plate O will rise and pass under it when swung to the right, as in Fig. 3, and will catch it by the notch in the end when turned to the position represented in Fig. 4, so that the bolt will be drawn back by turning the plate back, as represented in Fig. 4. This plate is kept in position over the key-hole by the snap-stud Q.

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

1. The combination of pawl B, slide F, push-pin G, and locking-pin H with the bolt A and the key, substantially as specified.

2. The combination of auxiliary bolt L, pawl M, key-hole plate O, and stud N with the main bolt A, pawl B, slide F, push-pin C, locking-pin H, and the hasp and key, substantially as specified.

ANTHON OLSEN KRUGER.

Witnesses:

W. H. SOLIS,

LYMAN COOK.