

(No Model.)

P. SEILER.
PADLOCK.

No. 308,633.

Patented Dec. 2, 1884.

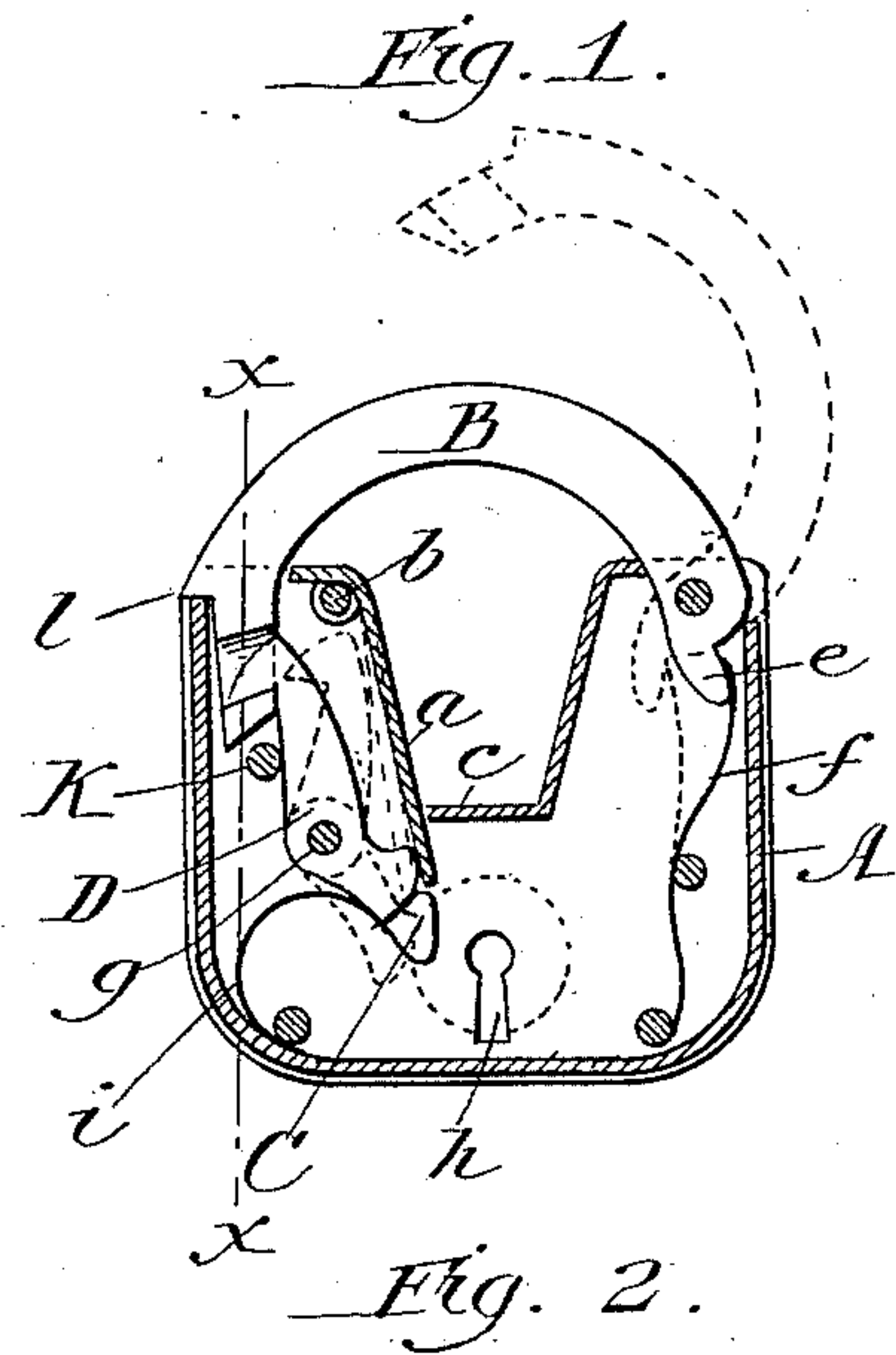
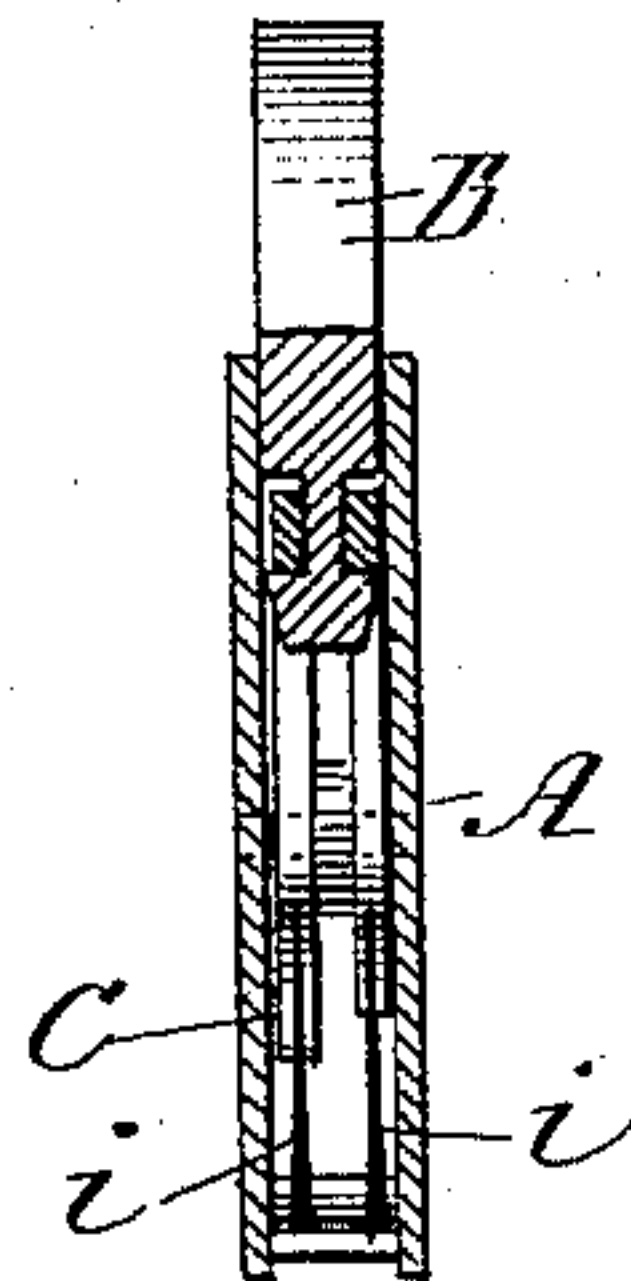


Fig. 2.



Witnesses:
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UNITED STATES PATENT OFFICE.

PHILIPP SEILER, OF CHICAGO, ILLINOIS.

PADLOCK.

SPECIFICATION forming part of Letters Patent No. 308,633, dated December 2, 1884.

Application filed April 2, 1884. (No model.)

To all whom it may concern:

Be it known that I, PHILIPP SEILER, a subject of the Emperor of Germany, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Padlocks, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to padlocks; and it has for its object to construct a simple lock of that kind which, besides turning the key, requires a secret manipulation for opening the lock, and thus will offer better security against burglary.

The invention mainly consists in engaging the end of the bow with two tumblers, one of which is to be turned by the turning of the key in the usual manner, and the other tumbler by depressing a pivotal portion of the lock-casing, all as hereinafter more fully described and specifically claimed.

In the accompanying drawings, Figure 1 represents a sectional elevation of the lock, showing its entire mechanism; and Fig. 2, a vertical cross-section on line *x x* in Fig. 1.

Corresponding letters in the several figures of the drawings designate like parts.

A denotes the casing, made somewhat of a V shape, with the side *a* made separate and loose, and pivoted at *b* in a manner to swing between the side plates of the lock-casing, and to butt against plate *c*.

B is the bow, pivoted with one end in one end of casing A, where it has a tail-extension, *e*, engaging with the end of a leaf-spring, *f*, that tends to swing such bow to the position shown in dotted lines. The other end of the bow B forms the bolt that enters an opening in the opposite end of casing A. This end is notched on both sides to form shoulders for hooks of two tumblers, C and D, pivoted on a pin, *g*, side by side. The lower extension of tumbler C is arranged to engage with the ward of a key that is to be inserted through key-hole *h*, and with turning such key the tumbler C is to swing sufficiently for its hook to disengage entirely from the notched bow end. The tail end of tumbler D is out of reach, for the key is cam-shaped, and is in contact with the lower end

of pivotal plate *a* in a manner that with pushing such plate inward it will cause the tumbler D to swing and disengage the bow. Both tumblers C and D are depressed toward engagement with the bow end each by a leaf-spring, *i*, and pin K provides a stop to the requisite movement of such tumblers. The swinging end of bow B has the usual shoulder, *l*, that with locking rests upon the upper edge of casing A, and the lower or extreme end of the bow is beveled for the purpose of pushing the tumblers back with closing the bow, and thus making it self-locking.

It will be readily understood from the above description that a lock thus constructed will open only by depressing plate *a* simultaneously with turning the key, and because such plate *a* shows no indication of its being movable, but on the contrary appears to form a rigid portion of the casing, nobody will be able to open such lock unless he has been let into the secret. Padlocks may be thus constructed with a single tumbler operating by depressing a movable portion of the casing, or with two or more tumblers, all to be operated simultaneously by different means and manipulations; and therefore I do not wish to be restricted to the particular construction herein described and shown, the main feature of my invention being a tumbler operated by any movable portion of the casing.

What I claim is—

1. In a padlock, in combination with tumbler D, engaging bow B, a movable plate, *a*, forming part of the casing, and being so arranged that with depressing it will cause such tumbler D to disengage such bow, all substantially as and for the purpose set forth.

2. In a padlock, the combination, with bow B and tumbler C, arranged to be operated by a key, of auxiliary tumbler D, operating by depressing a loose portion, *a*, of casing A, substantially as and for the purpose set forth.

In testimony whereof I affix my signature in presence of two witnesses.

PHILIPP SEILER.

Witnesses:

M. J. CLAGETT,

W. B. T. KEYSER.