

THOMAS SLAIGHT.
Improvement in Hasp-Locks.

No. 126,583.

Patented May 7, 1872.

FIG 1.

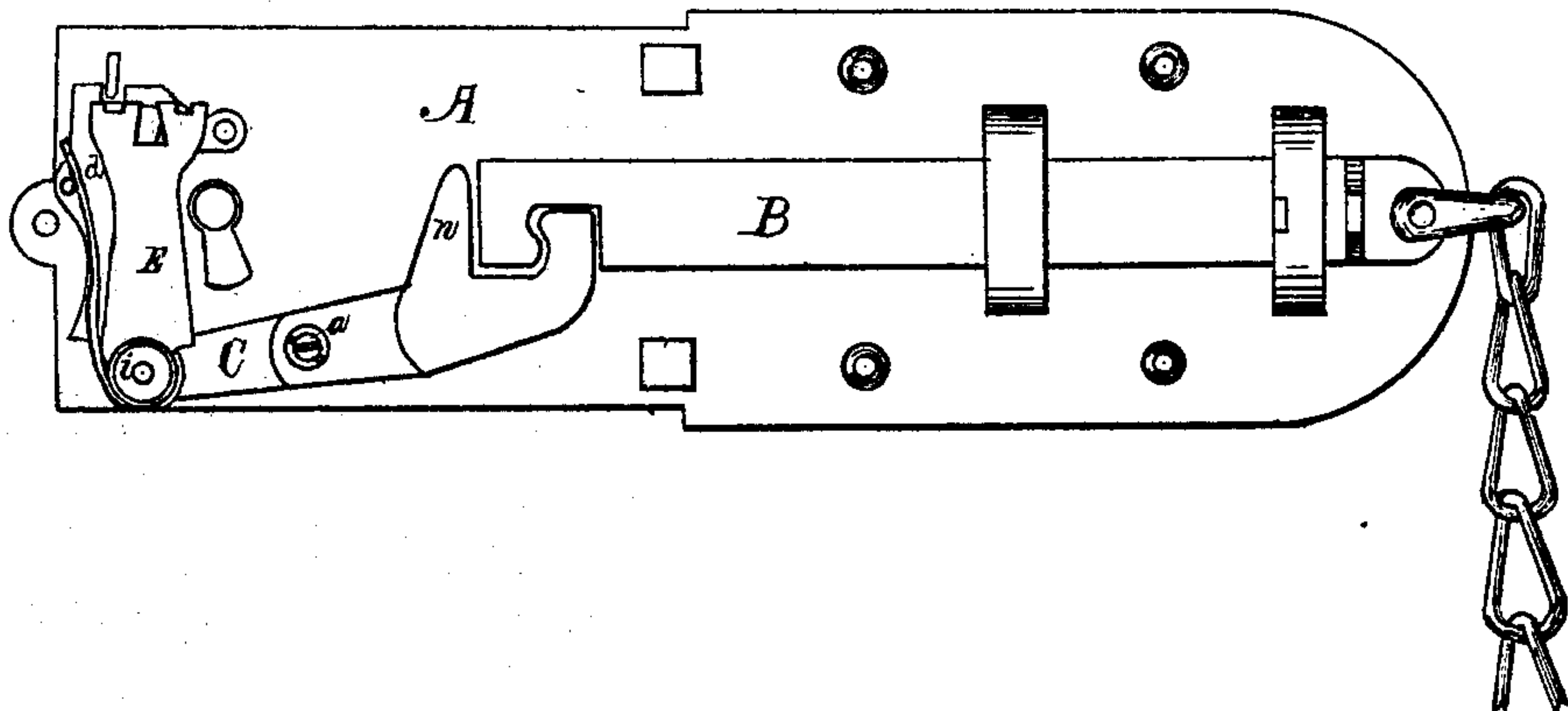


FIG 2.

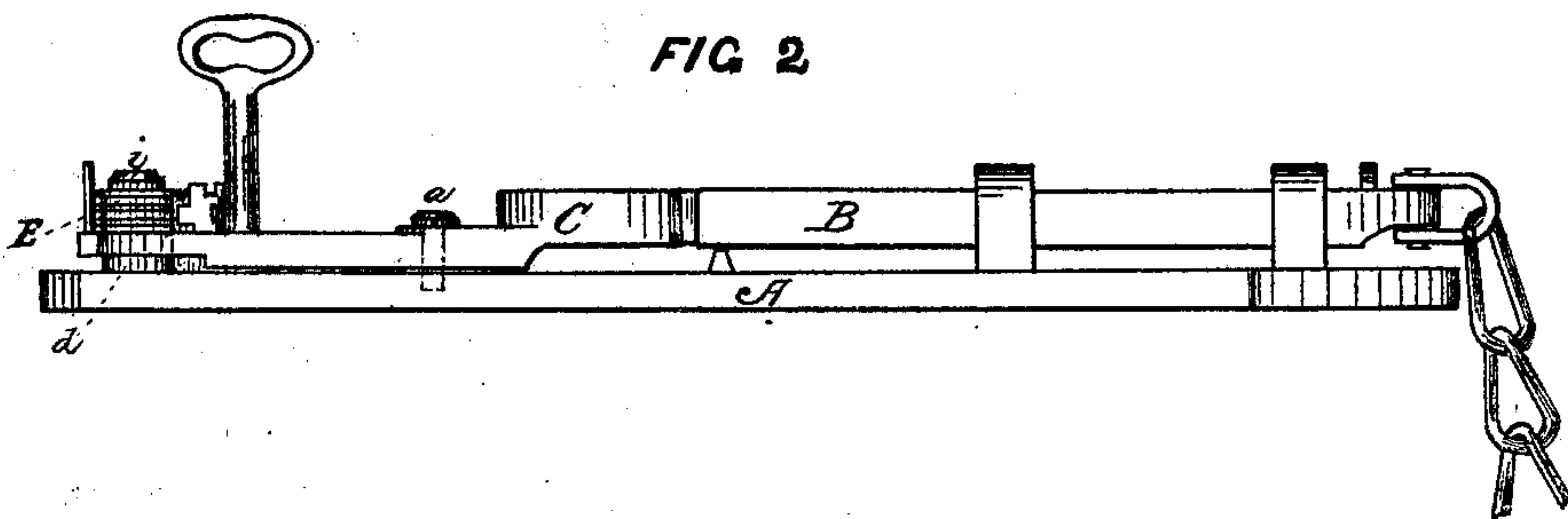
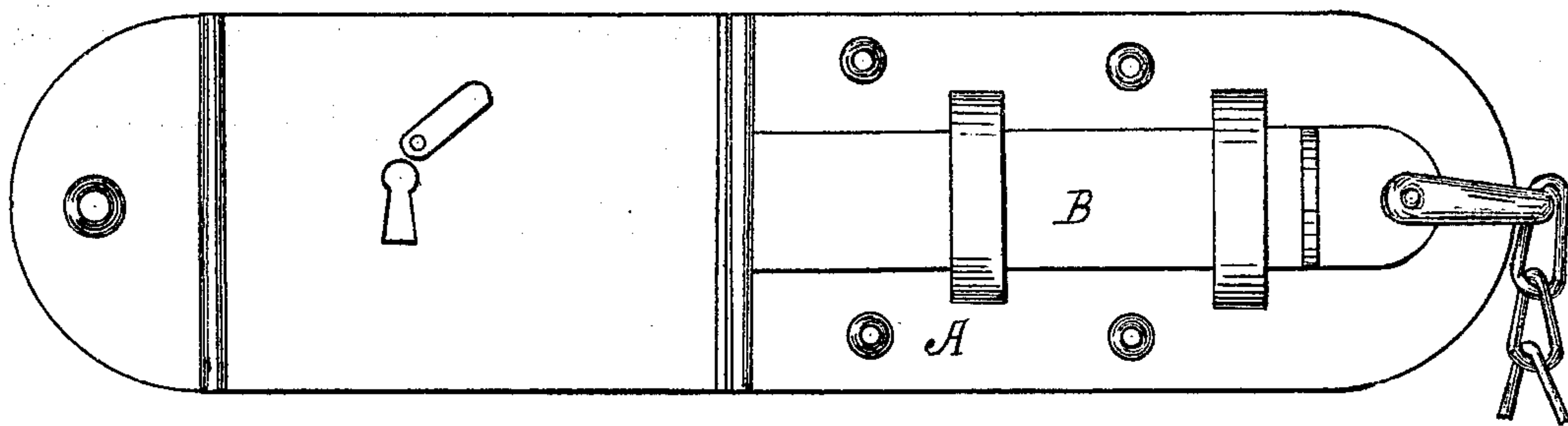


FIG 3.



Witnesses:
Parker H. Sweet, Jr.
W. H. Taylor.

Inventor:
Thomas Slaight.
By his Attys.
Drake & Co.

UNITED STATES PATENT OFFICE.

THOMAS SLAIGHT, OF NEWARK, NEW JERSEY.

IMPROVEMENT IN HASP-LOCKS.

Specification forming part of Letters Patent No. 126,583, dated May 7, 1872.

I, THOMAS SLAIGHT, of Newark, New Jersey, have invented certain Improvements in Locks, of which the following, in connection with the accompanying drawing, is a specification:

Figure 1 is an internal view of the lock. Fig. 2 is a side view of the same. Fig. 3 is a top view.

Similar letters of reference indicate corresponding parts in the several figures.

This invention consists in the employment or use of a dog or catch-lever, working on a pivot or stud in the back plate of the lock, one arm of said lever being secured by a pivot to and between a sliding plate and a series of tumblers, and operated directly by and in conjunction with said sliding plate and tumblers, substantially as hereinafter shown, whereby a convenient, self-locking, simple, and durable lock is obtained.

To enable others skilled in the art to make and use my invention, I will now proceed to describe its construction and operation.

A is a metallic plate, constituting the back plate of the lock, and to which the various parts are attached. B is a sliding bolt, having near its inner end a notch or recess forming a catch or hook, into which the end of the catch-lever C is fitted, and when locked said catch-lever holds the bolt B firmly in its place. The catch-lever C works upon a stud, *a*, in the plate A, and is secured at the inner end

to and between the sliding plate *d* and tumblers E, by means of a pivot, *i*, said plate *d* and tumblers E being operated by the key in the usual manner when unlocking the lock. The catch-lever C does not fly back into its place after being unlocked, but remains fixed until the bolt B is inserted and forced against the inner jaw *n* of said catch-lever, when it flies back into the recess in the bolt B, and is locked without using the key for the purpose, the key being used only when unlocking.

It will be seen in this arrangement that simplicity, durability, and strength are combined, the principal features of my invention being the arrangement and operation of the catch-lever or dog C, in conjunction with the other parts of the lock, substantially as shown and described.

I do not claim the sliding bolt B or the plate *d*, or tumblers E; but

I do claim—

The dog C, formed as shown, and pivoted upon the stud *a*, in combination with the bolt B and plate *d*, the dog C being interposed between the tumblers E and sliding plate *d*, and all arranged upon the same axis *i*, the several parts constructed and operating as set forth.

THOS. SLAIGHT.

Witnesses:

OLIVER DRAKE,
ELIAS FRANCIS.