

J. JETT.
Lock.

No. 209,812.

Patented Nov. 12, 1878.

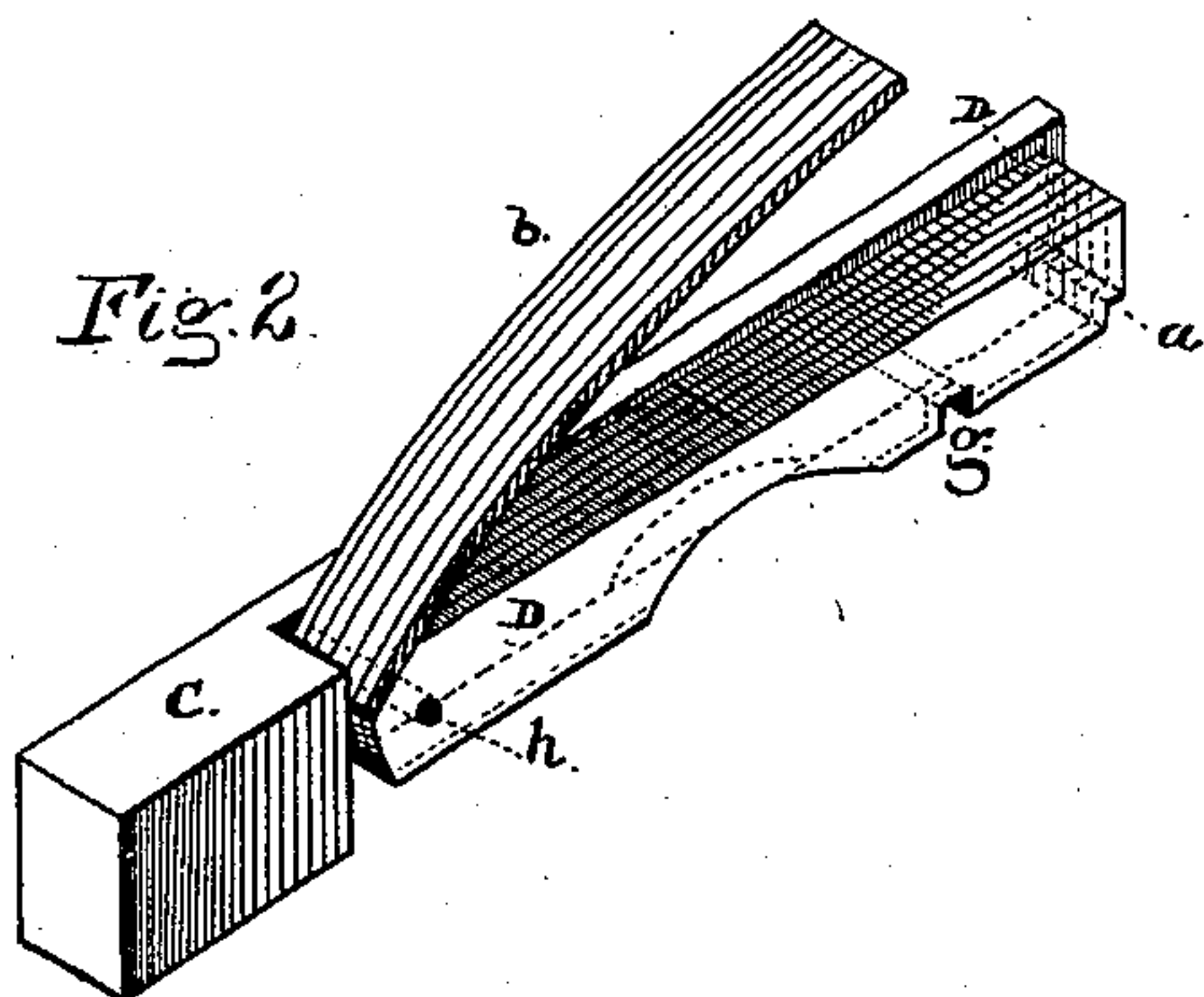
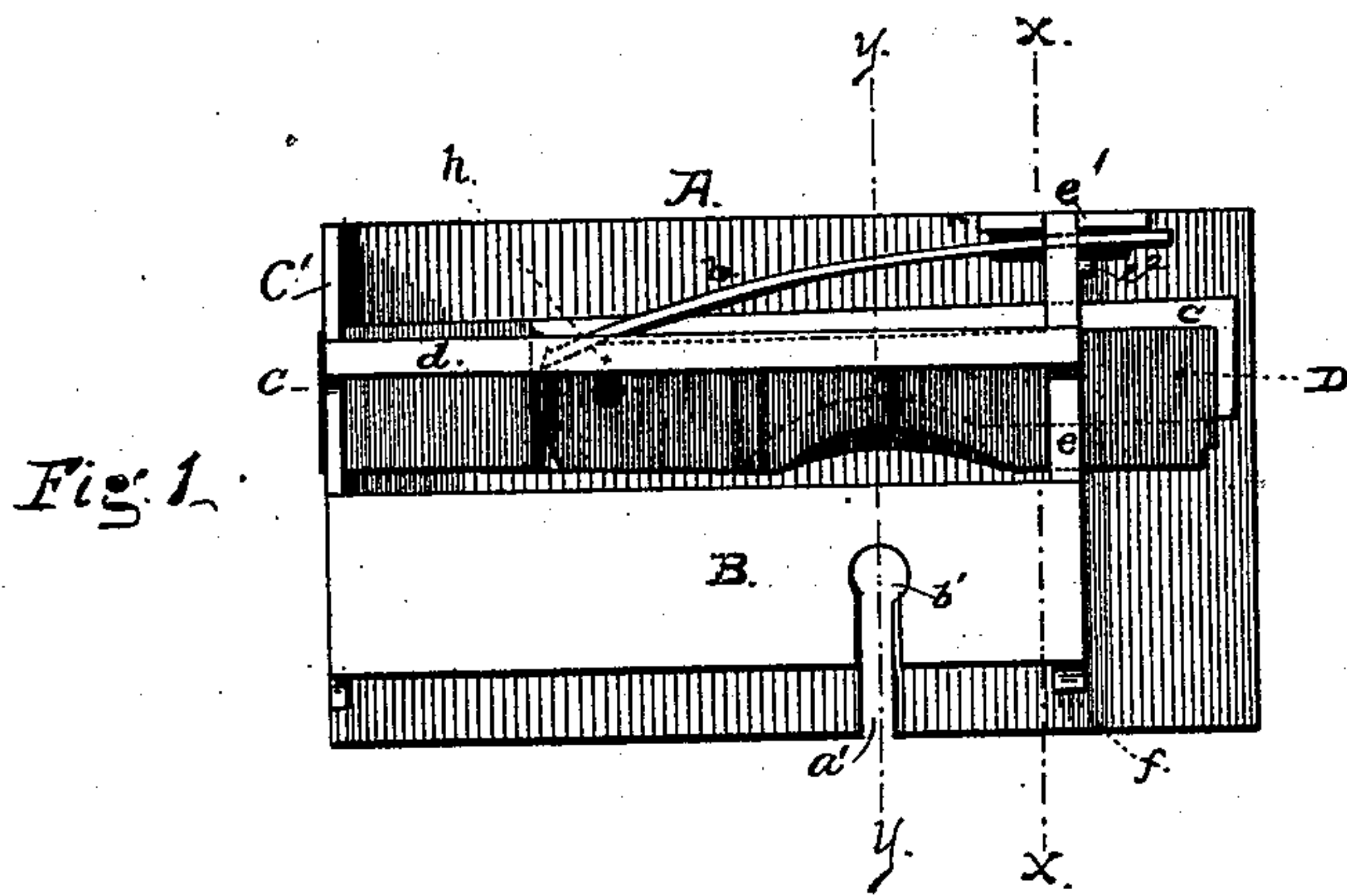


Fig. 3.
Section through line X.X.

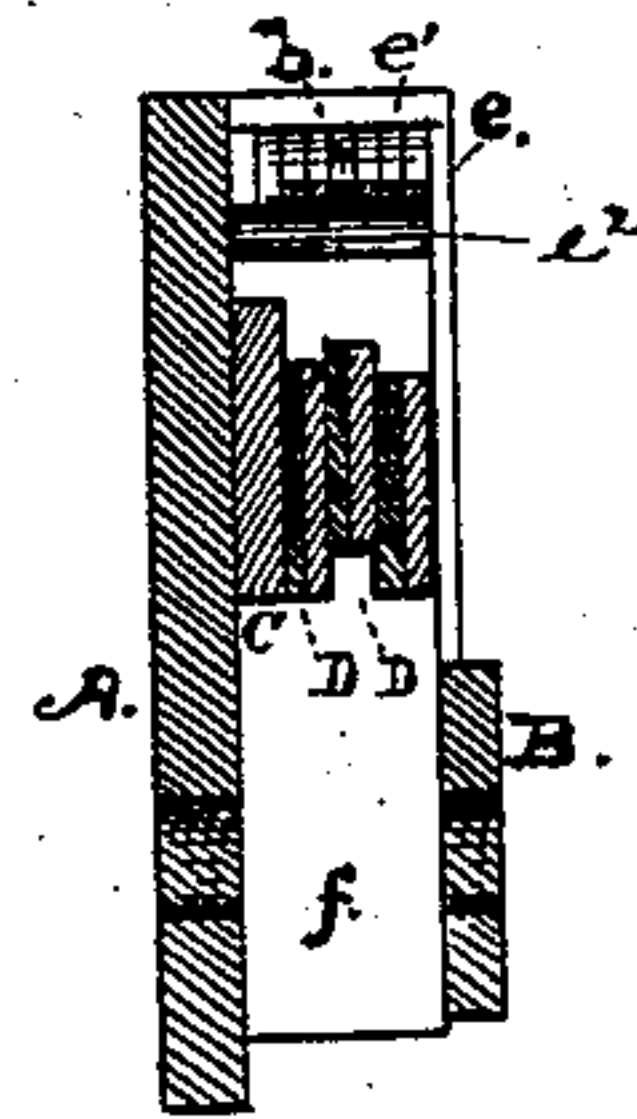
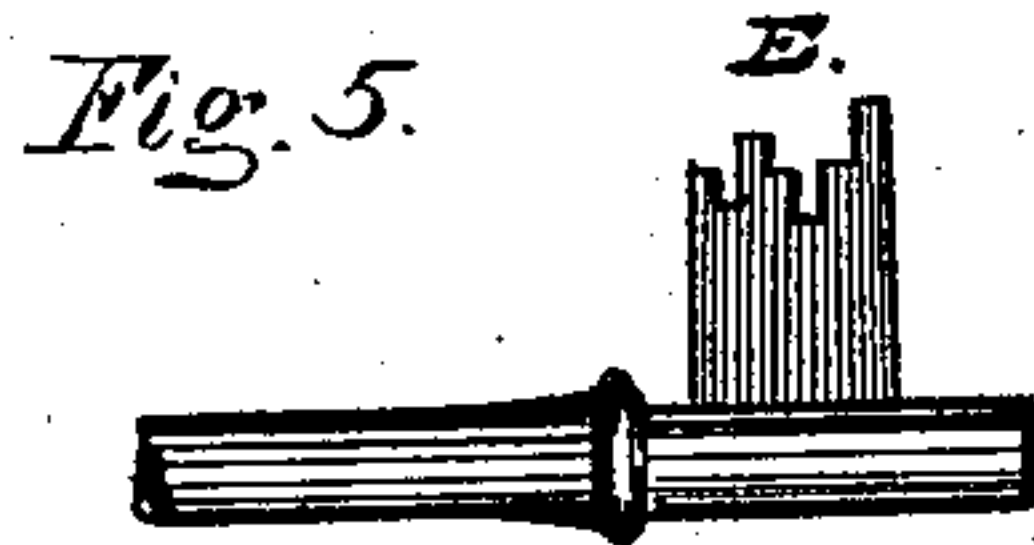
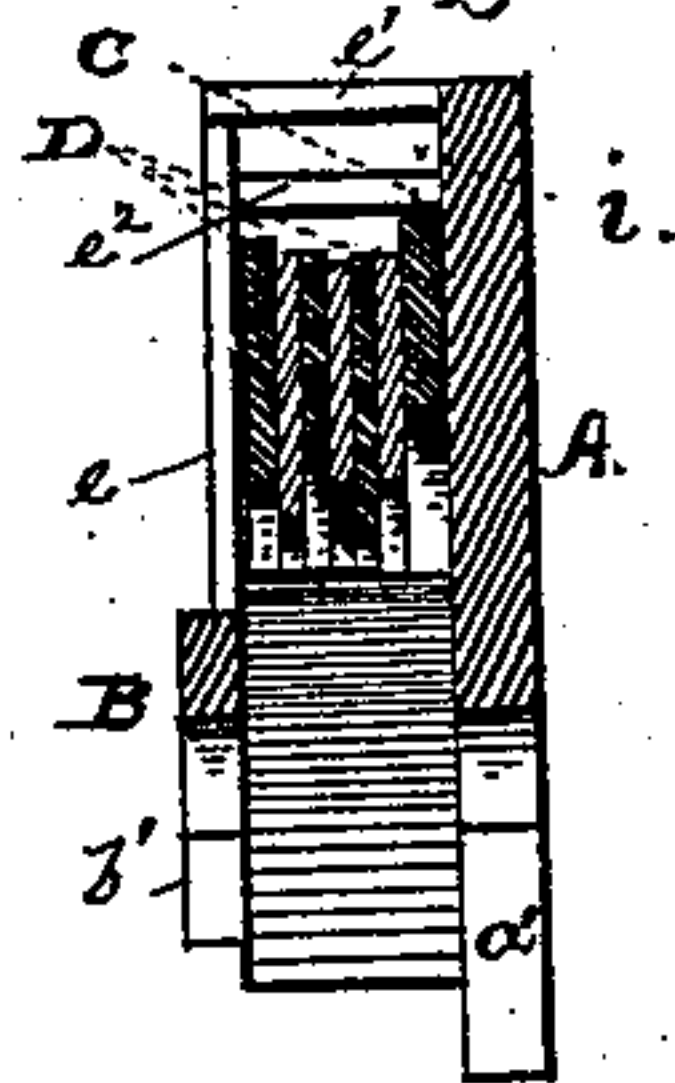


Fig. 4.
Section through line Y.Y.



Witnesses:

E. Pattern.

Edward C. Osborn.

Inventor:

John Jett.

By G. W. Smith, his atty.

UNITED STATES PATENT OFFICE.

JOHN JETT, OF SAN FRANCISCO, CALIFORNIA.

IMPROVEMENT IN LOCKS.

Specification forming part of Letters Patent No. **209,812**, dated November 12, 1878; application filed April 12, 1878.

To all whom it may concern:

Be it known that I, JOHN JETT, of the city and county of San Francisco, State of California, have invented a certain new and useful Improvement in Tumbler-Locks, which invention is fully set forth in the following specification and accompanying drawing.

The object I have in view is to produce a simple and cheap tumbler-lock, of such compact construction that it can be made of small size for use upon doors or trunks, boxes, valises, or other small articles, and will be very secure and durable. This I accomplish by employing a bolt with a recessed shank, in which recess are pivoted at their forward ends to the bolt a number of tumblers, which fill the recess and make the shank of the bolt, with the tumblers attached, of the same thickness as the head of the same. The bolt and tumblers are carried by a peculiar frame-work, the subject of this invention, which securely holds and guides the moving parts of the lock, and is constructed as fully hereinafter explained.

In the drawings, Figure 1 is a side view of the lock; Fig. 2, a separate view of the bolt and tumblers; Figs. 3 and 4, cross-sections of the lock; Figs. 5 and 6, views of the keys.

Like letters denote corresponding parts.

C is the bolt, with recessed shank; D, the pivoted tumblers, having locking-notches *a g*; *b*, the springs for pressing the tumblers downwardly; E and F, the keys. Upon these parts I lay no claim.

The case or frame of the lock is composed of a rectangular plate, A, of the proper size, and having a key-hole or slot, *a'*, in its lower edge. At one end of the back-plate A is secured at right angles thereto (or cast therewith) the face-plate C', through which the bolt is projected when thrown. Near the other end of the plate A is secured or cast a plate, *f*, parallel with the face-plate, but not extending to the top of the back-plate, as does such face-plate.

The shank of the bolt and the tumblers slide

over this plate *f*, and the notches *a g* engage with the top of the same. Just above the catch-plate *f* is the saddle-plate *e*¹, secured to or cast with the back-plate at right angles to the catch-plate. The upper ends of the springs *b* press against the under side of the saddle-plate, and slide between it and another small plate, *e*². Just below a strip, *e*, connects the outer ends of the plates *e*¹ *e*².

From the face-plate C' to the catch-plate *f* extends a plate, B, not reaching quite up to the tumblers, and provided with key-slot *b'* in its lower edge. Above the plate B, and parallel thereto, is placed a strip, *d*, connecting the face-plate and the strip *e* on the line of the bolt and tumblers, and close against the side of the tumblers and bolt, so as to guide and steady the same in its movement.

By means of this frame the lock can be made very light and cheap. The open frame-work allows the lock to be easily fixed when out of order without removing any part of the case. It also completely secures and guides the bolt, tumblers, and springs, and is sufficiently strong to be durable in use.

I am aware of the patent granted September 25, 1840, to Peter Rogers, and hereby disclaim the same.

What I claim as my invention is—

The open case for a lock carrying a bolt with spring-tumblers pivoted thereto, consisting of the back-plate A, with key-hole, the face-plate C', through which the end of the bolt projects, the plate *f*, with which the notches in the tumblers engage, the plates *e*¹ *e*², for guiding the tumbler-springs, the plate B, and the strips *d e*, all constructed and arranged substantially as described and shown.

In testimony that I claim the foregoing I have hereunto set my hand and seal this 18th day of March, 1878.

JOHN JETT. [L. S.]

Witnesses:

C. W. M. SMITH,
CHAS. E. KELLY.