

C. Wilson,

Lock.

No 11,916,

Patented Nov. 7, 1854.

Fig. 8

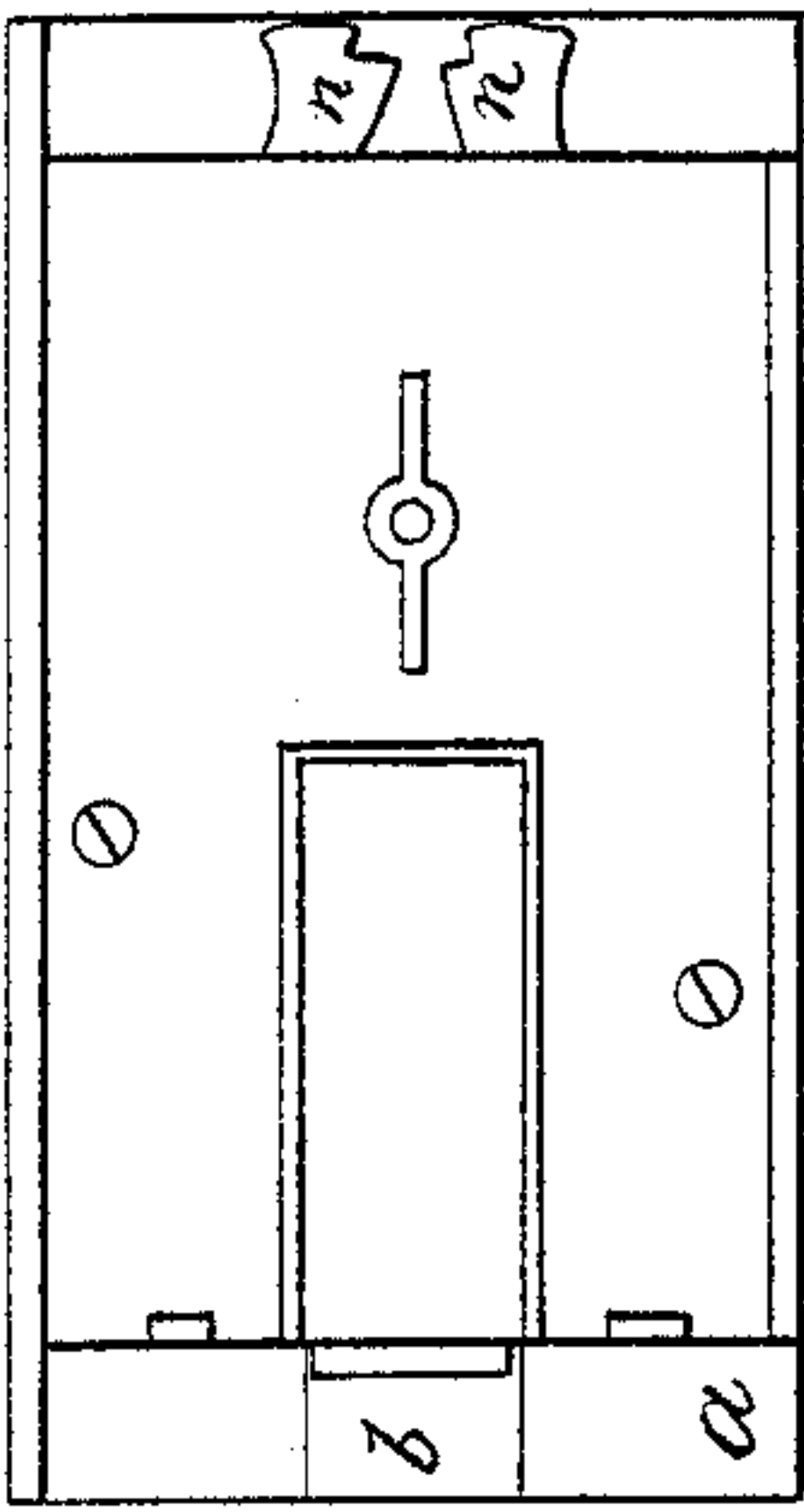


Fig. 6

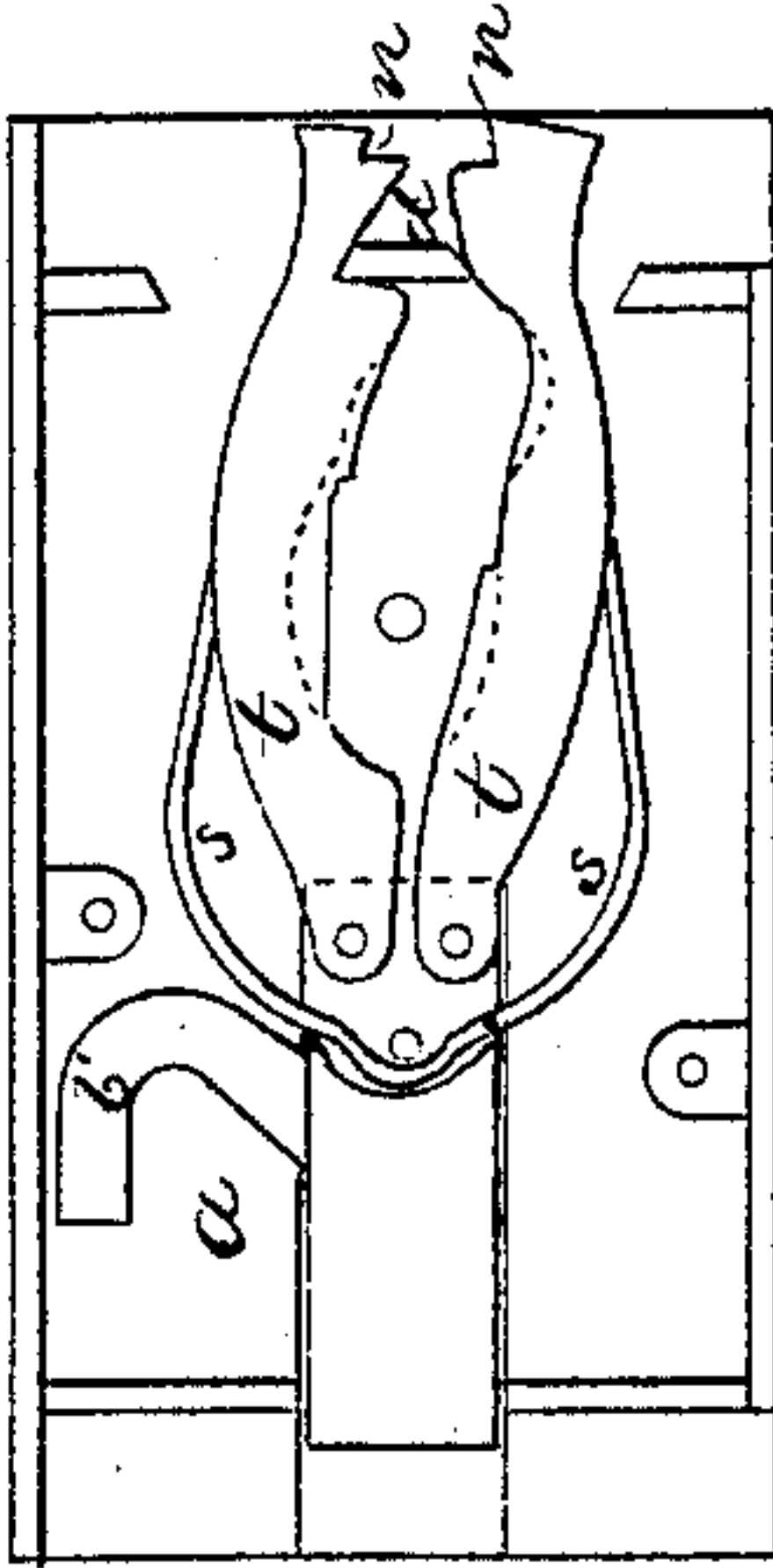


Fig. 7

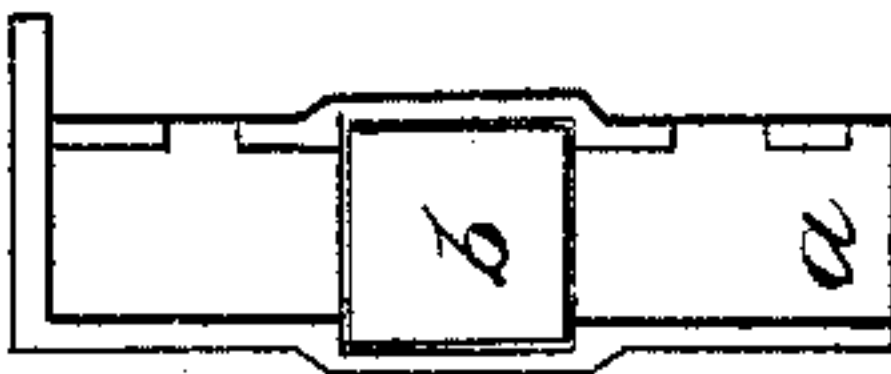


Fig. 5

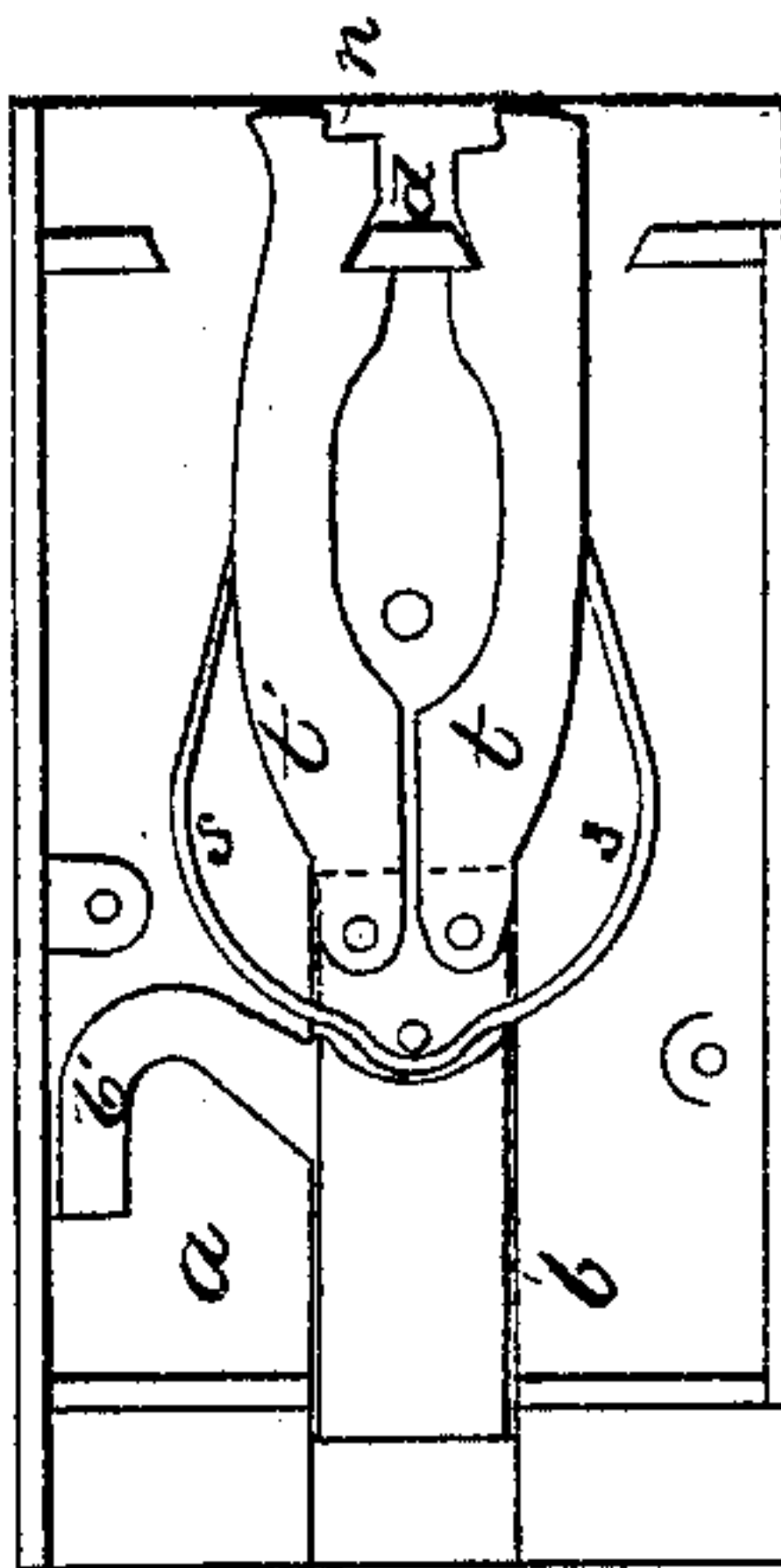


Fig. 2

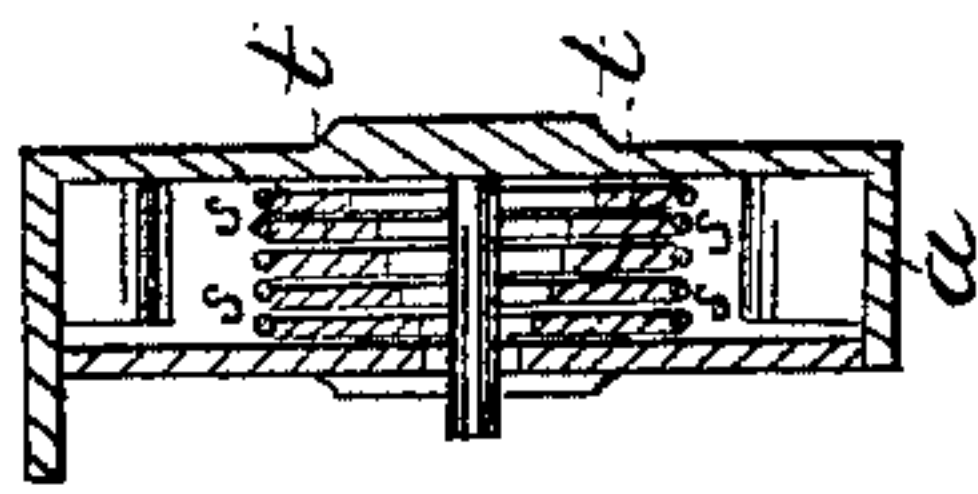
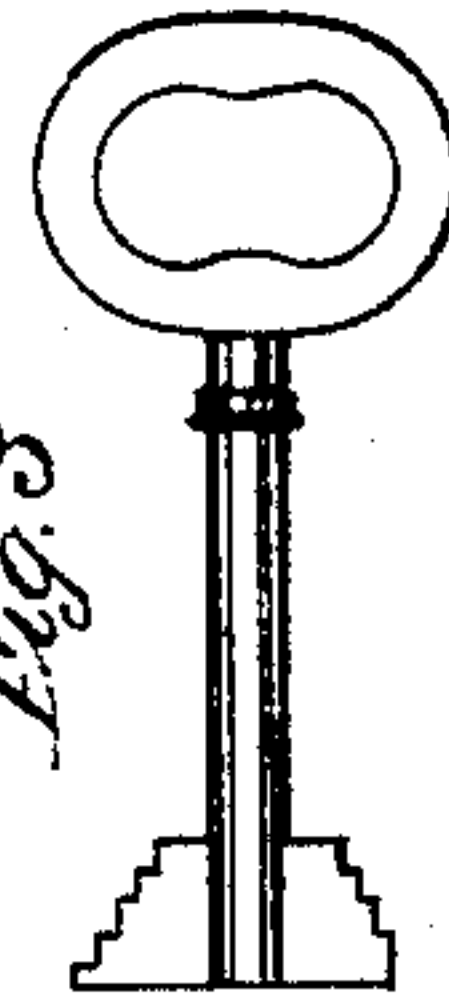


Fig. 3



A

Fig. 1

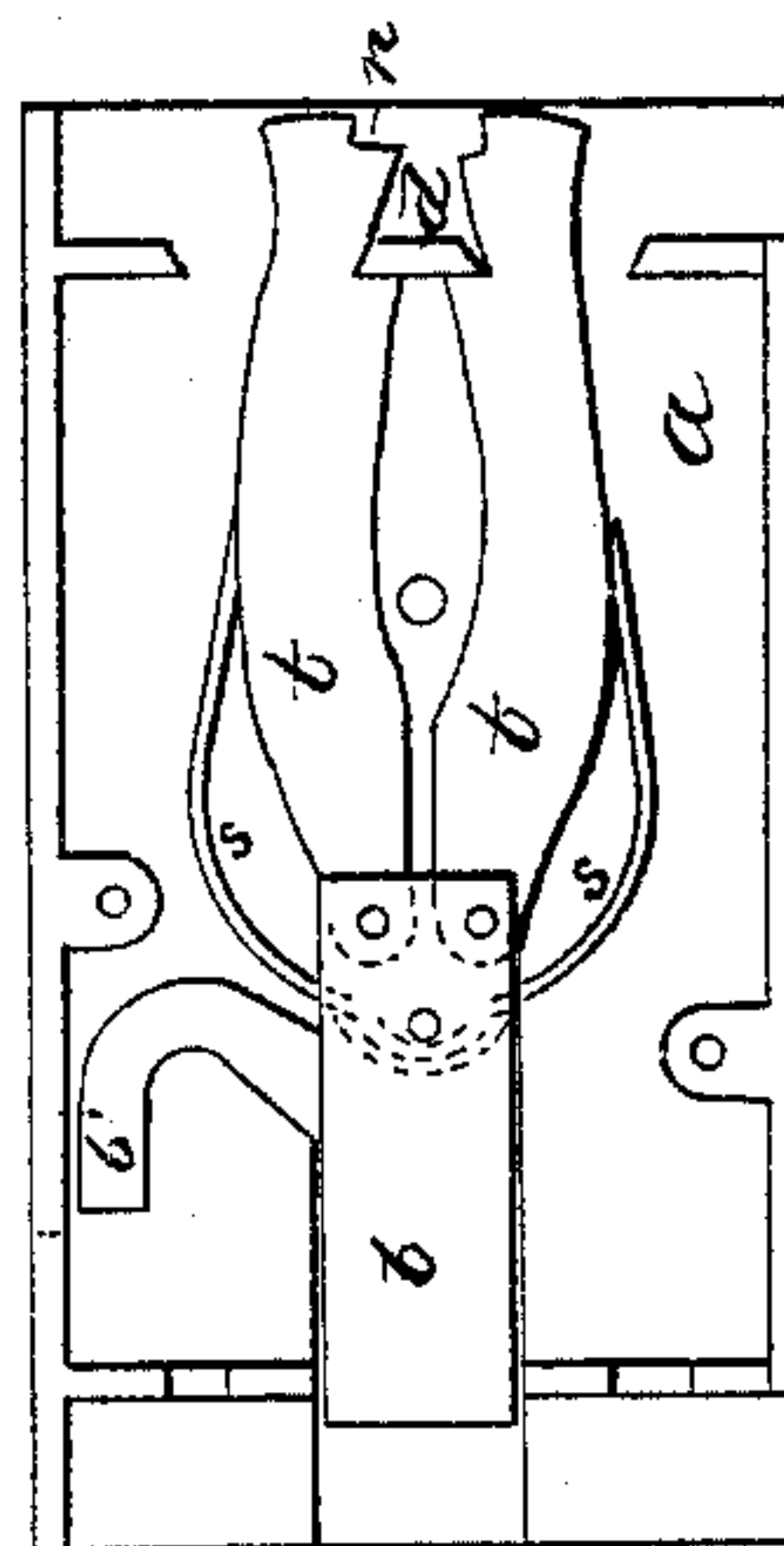
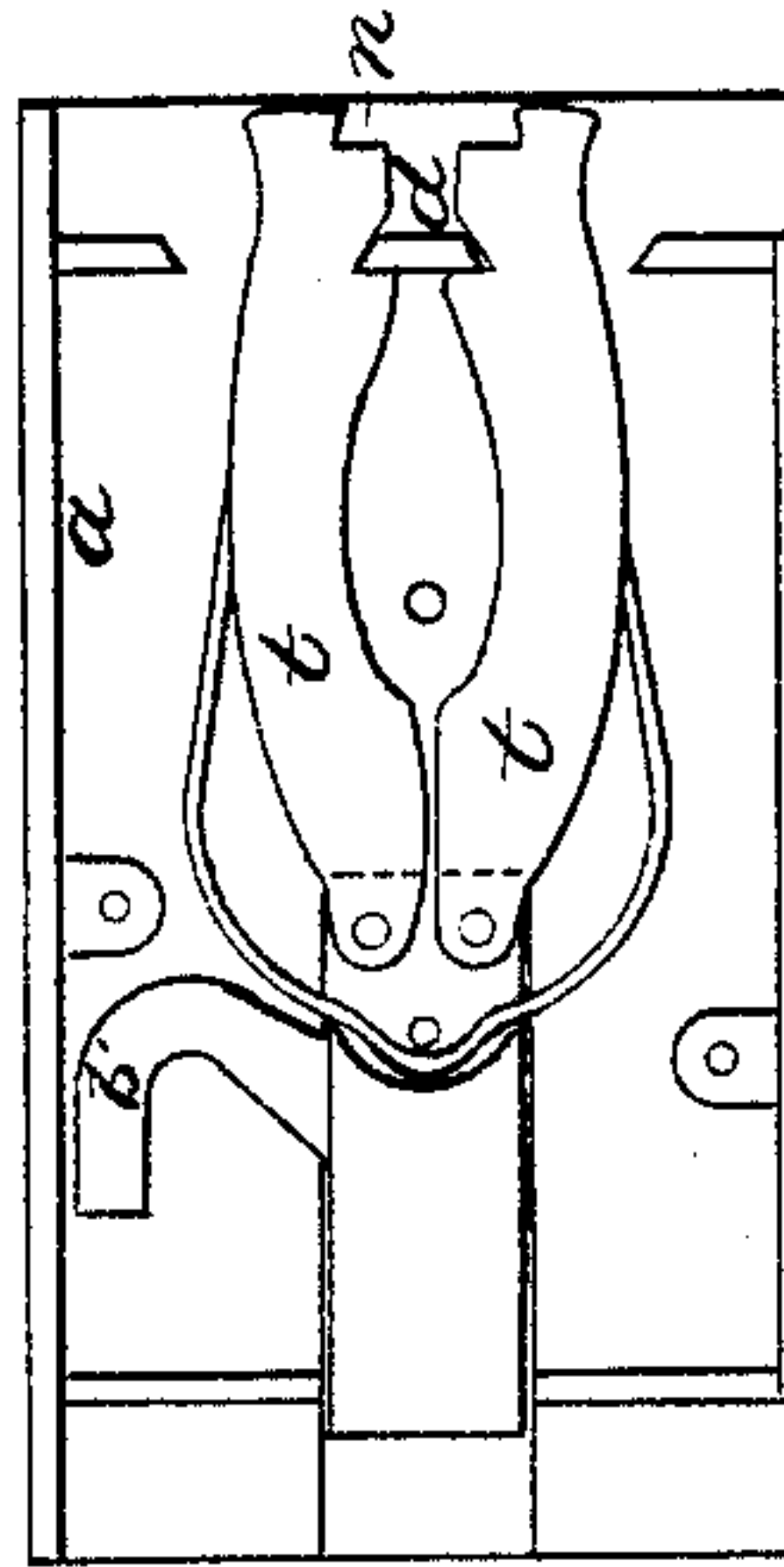


Fig. 4



Inventor.
Charles Wilson

UNITED STATES PATENT OFFICE.

CHARLES WILSON, OF SPRINGFIELD, MASSACHUSETTS.

LOCK.

Specification of Letters Patent No. 11,916, dated November 7, 1854.

To all whom it may concern:

Be it known that I, CHARLES WILSON, of Springfield, in the county of Hampden, State of Massachusetts, have invented a new and useful Improvement in Locks for Doors, Drawers, Trunks, &c.; and I do hereby declare the following to be a full, clear, and exact description thereof, in which—

Figure 1 is a plan of the lock; Fig. 2, an end view of tumblers; Fig. 3, key; Figs. 4, 5 and 6, tumblers of different forms.

My improved lock may be made of a variety of patterns to suit the various purposes for which it is needed, the novelty consisting in combining therewith a series of tumblers attached thereto and on opposite sides of the key which is double bit-
ted, and throws the tumblers and bolt together.

The construction of the parts is as follows in one of its modifications and the others will readily suggest themselves to any competent workman by which the device will easily be adapted to the purpose for which it is wanted—

(a) is a proper formed shell or box containing the bolt &c.

(b) is the bolt which if for a door is made like the drawing, but if for a chest or trunk the bolt may be formed as shown by the lines (b') to the rear end of the bolt (b); near the upper and lower corners a series of tumblers (t) are jointed to the bolt and

within the recess in the bolt the loops of a series of U shaped springs (s) pivot the ends bearing respectively on the upper and lower sides of the upper and lower tumblers as clearly shown by the drawing. These cause the tumblers to spring in toward each other, and when the bolt is thrown forward the notches (n) on their outer ends catch on a stationary stud (d) that prevents the bolt from receding till thrown back by the key. The notches are irregular and have the usual safeguards on tumblers adapted to the bits of the key. The key is shown in Fig. 3, with bits on opposite sides of the stem or pipe it is inserted with the bits in line with the bolt and then turned; as the present device is represented the key is turned the same way to lock or unlock the bolt but it can be fashioned to turn forward and back, for the purpose.

Having thus fully described my improved lock what I claim as new and for which I desire to secure Letters Patent is—

The combination of series of opposite tumblers attached to and moving with the bolt, substantially in the manner and for the purpose set forth.

CHARLES WILSON.

Witnesses:

JACOB HATZELL,
WM. GREENOUGH.