

A. M. Foote,

Padlock,

No. 27,043.

Patented Feb. 7, 1860.

Fig: 1.

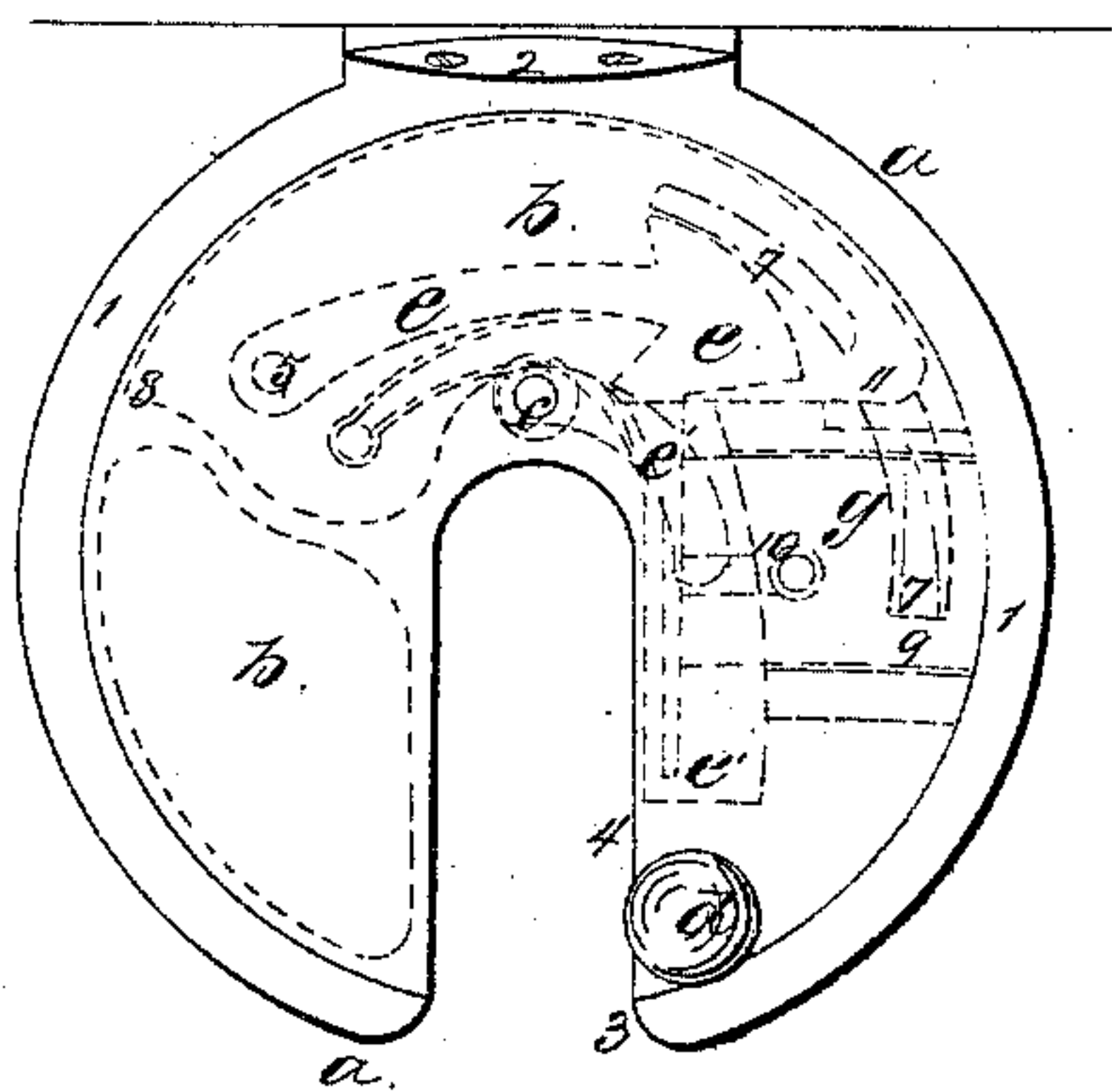


Fig: 2.

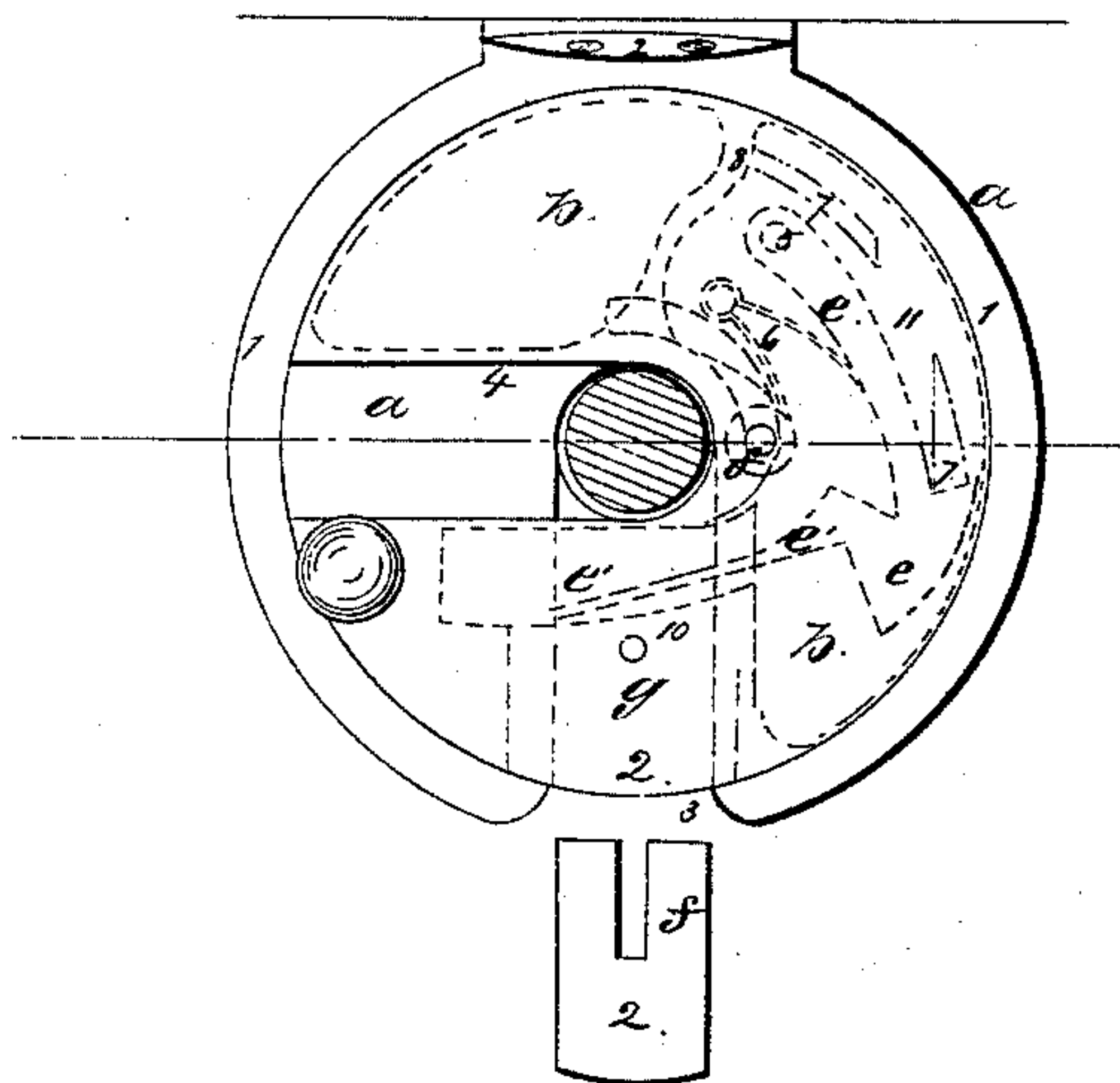


Fig: 3.

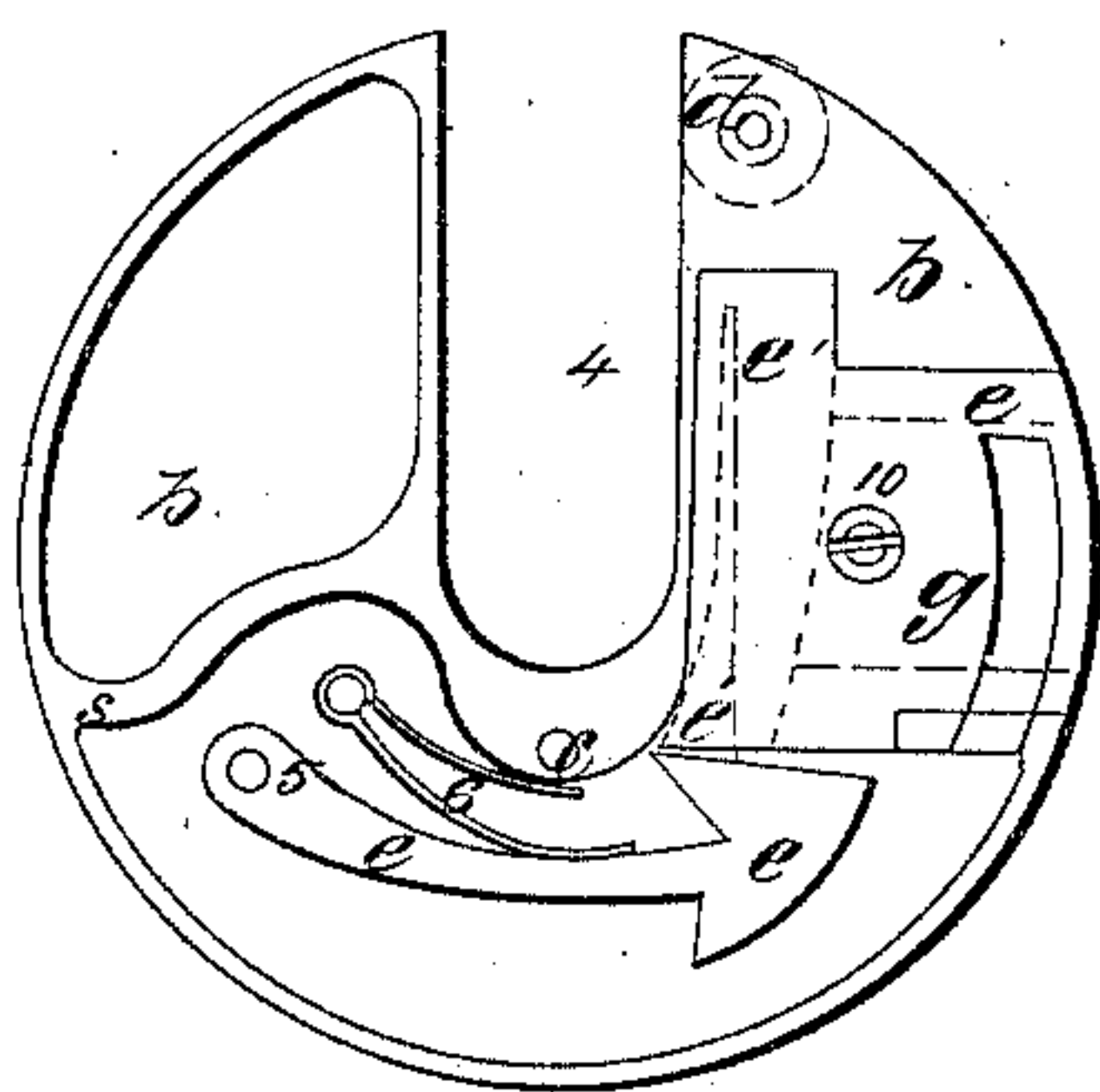
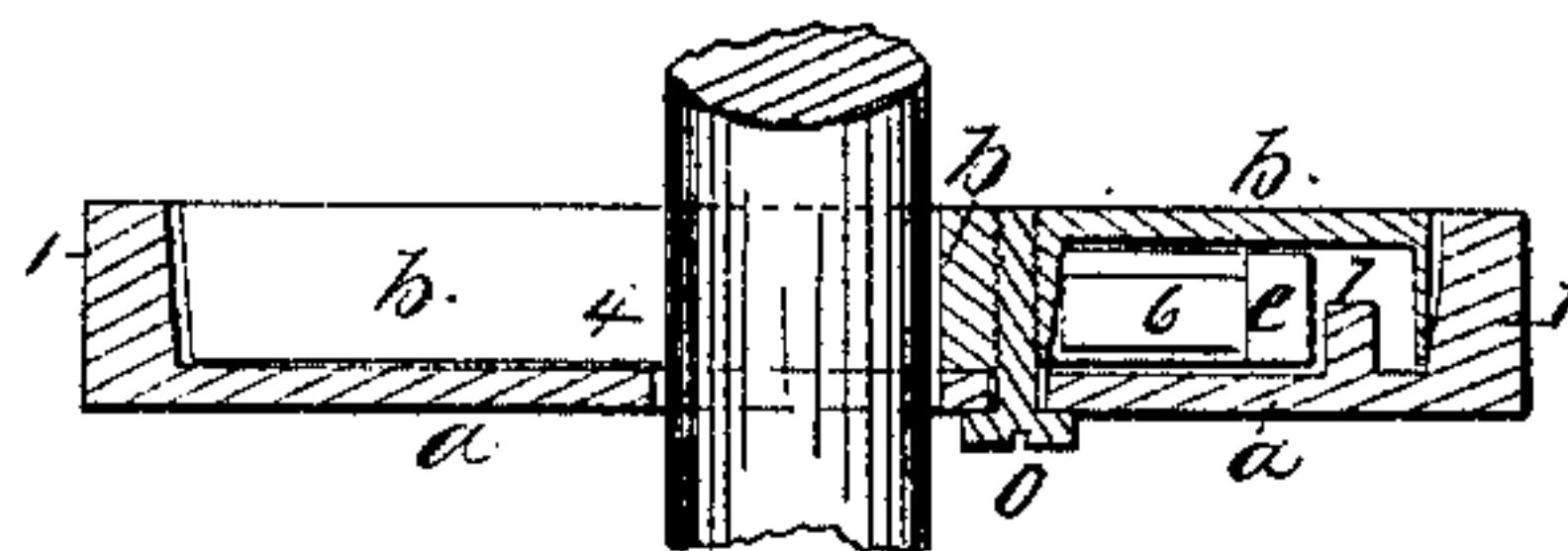


Fig: 4.



Witnesses:

Samuel W. Snell.

Thos. Geo. Harold.

Inventor:

Alfred M. Foote

UNITED STATES PATENT OFFICE.

ALFRED M. FOOTE, OF NEW YORK, N. Y.

LOCK FOR UMBRELLA-STANDS.

Specification of Letters Patent No. 27,043, dated February 7, 1860.

To all whom it may concern:

Be it known that I, ALFRED M. FOOTE, of the city and State of New York, have invented, made, and applied to use a certain
5 new and useful Improvement in Locks for Umbrella-Stands; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the
10 annexed drawing, making part of this specification, wherein—

Figure 1, is a plan of said lock ready to receive an umbrella or parasol. Fig. 2, is a plan of said lock as closed and retaining an
15 umbrella or parasol stick. Fig. 3, is an inverted plan of the top plate, and Fig. 4, is a vertical section of said lock through the center of Fig. 2.

Similar marks of reference denote the
20 same parts.

In hotels, picture galleries, boarding houses, steamboats and other places, it is often desired to leave an umbrella or parasol or cane, and to take a check for the same.
25 This involves the necessity of an attendant to take and give checks, and the risk that even then through design or oversight the wrong umbrella, parasol or cane will be taken.

30 The nature of my said invention consists in a revolving lock retaining the umbrella or cane or parasol in its place, and the check taken for the same is the key by which the lock is opened, and the construction is such
35 that the lock cannot be opened unless the check key be placed therein.

In the drawing *a*, is a disk of metal having a ring 1, around its edge; this disk is attached by the flange 2, or its equivalent to
40 any umbrella stand, by screws entering said stand either vertically or horizontally or my said lock may be attached to any desired article or in any convenient situation for receiving and retaining any umbrella, cane
45 or similar article. In the aforesaid plate *a*, a notch 3, extends to the center, and within the flange, 1, or ring I introduce the circular lock plate *b*, that is also formed with a notch 4, similar to the notch 3. By reference to
50 Figs. 1, and 2, it will be seen that when the notches 3 and 4 correspond an umbrella or parasol handle can be entered or removed, but when said notches are at right angles as in Fig. 2, the article is secured in place, I
55 therefore introduce a locking device between

the plates *a*, and *b*, so that the parts will be held in the position shown in Fig. 2, until the proper key is applied.

The lock plate *b*, is held to the plate *a*, by a screw or rivet *c*, that moves in a slot in the
60 underside of the plate *a*, see dotted lines Fig. 1, and section Fig. 4, and *d*, is a handle by which a quarter rotation can be given to the lock plate *b*.

e, is a latch on a center pin 5, and kept to
65 place by a suitable spring 6, and *e'*, is an arm extending from the latch *e*, and against this the check *f* acts when entered into a slot provided for it in the side of the lock, between the plate *b*, and a plate *g*, that is
70 attached to said plate *b*, by the screw 10.

7 is a block on the plate *a*, curved to the arc of the circle, and the same determines the quarter turn given to the plate *b*, by the stops at 8 and 9, taking the ends of said
75 curved block.

We will suppose the check *f* in place and the lock in position shown in Fig. 1, then enter the umbrella or parasol handle give the plate *b*, a quarter rotation by the handle *d*,
80 this brings the check *f* opposite the opening 3, and the spring 6, throws the latch *e*, over the end of the block 7, and the arm of said latch *e*, forces out the check *f*, and the owner of the umbrella takes the check, it
85 being properly numbered or marked to correspond with the given lock. Now if any person tries to turn the lock plate around he cannot, because of the latch *e*, and block 7, but if he enter any article and force back
90 the arm *e'*, and latch, about one eighth of a turn can be given and said pick or article entered has to be withdrawn on account of the flange 1; I provide a notch 11, in the
95 block 7 which taking the latch *e*, at this time prevents the lock plate being farther rotated and the umbrella is still safe for the notch 4, has not been turned sufficient for its liberation when the check key *f* however is applied the lock plate *b*, can be turned
100 around and the article liberated.

I provide a slot in the check key *f* to pass the screw 10, by varying the position of this screw and slot, one check key cannot be
105 entered in another lock, and as additional places on the sides of the opening into which the check key is placed; or said check key may be formed with parallel or tapering sides, or may be entered diagonally to the edge of the lock plate, or in a curved line
110

upon the arc of a circle; and the part of the arm *e'*, against which said check key acts may be formed with a roller to lessen friction if desired.

- 5 When desired a projecting plate or flange may be provided at a little distance above the lock to prevent a cane from being drawn out of said lock.

10 Having thus described my said invention what I claim and desire to secure by Letters Patent is—

- 15 1. The combination of a stationary plate with the revolving lock plate, both of which are provided with notches for entering the umbrella cane or other article, when such plates are provided with suitable latches to

retain the lock plate when turned so as to inclose the article as specified.

2. I claim the combination of the latch *e*, and check key *f*, fitted and acting in the 20 manner and for the purposes set forth.

3. I also claim the notch 11 in the block 7, combined with the latch *e*, to afford additional security as set forth.

25 In witness whereof I have hereunto set my signature this sixteenth day of January 1860.

ALFRED M. FOOTE.

Witnesses:

LEMUEL W. SERRELL,
CHAS. H. SMITH.