

No. 611,982.

Patented Oct. 4, 1898.

G. W. STANLEY.
PERMUTATION PADLOCK.

(Application filed July 7, 1897.)

(No Model.)

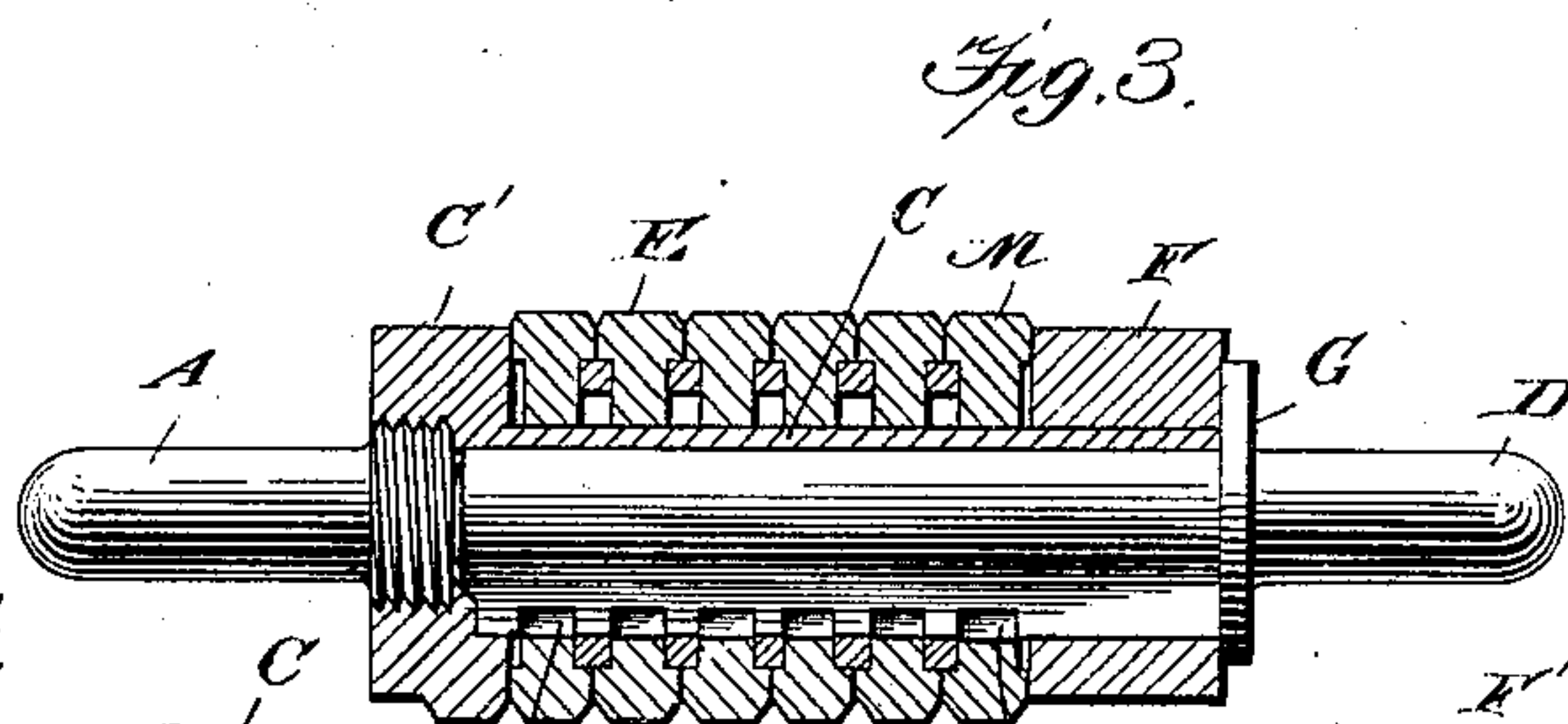
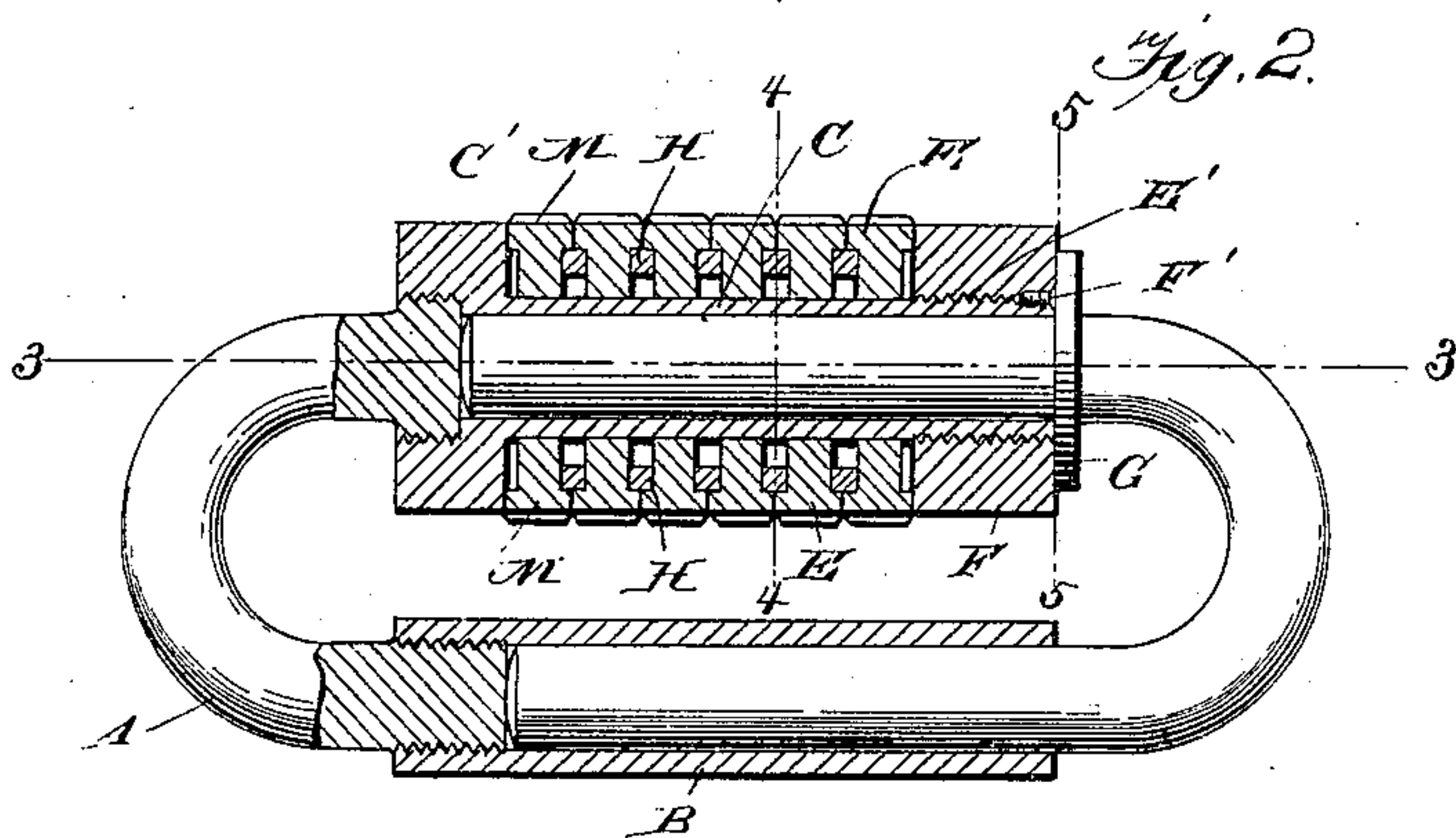
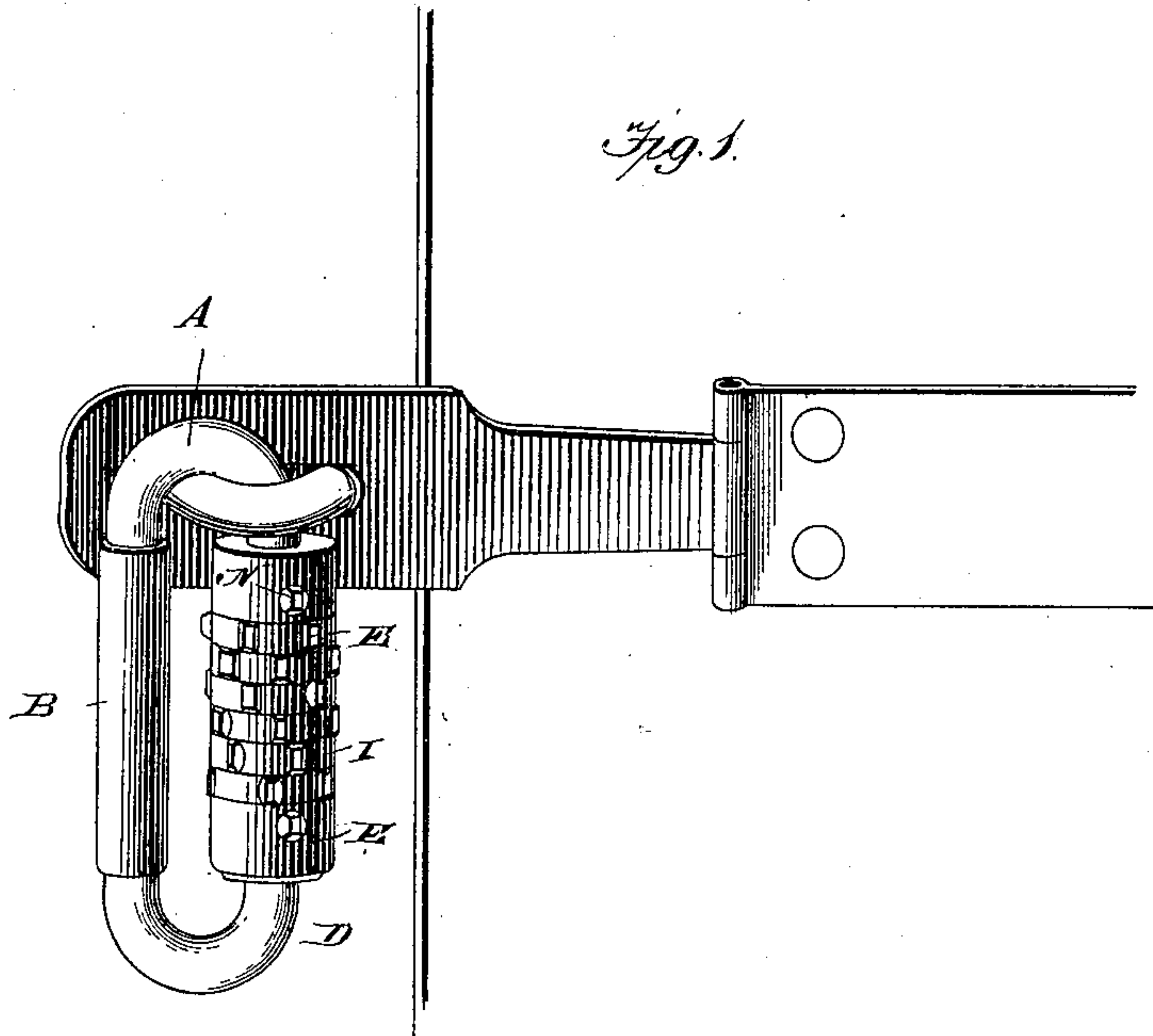


Fig. 4.

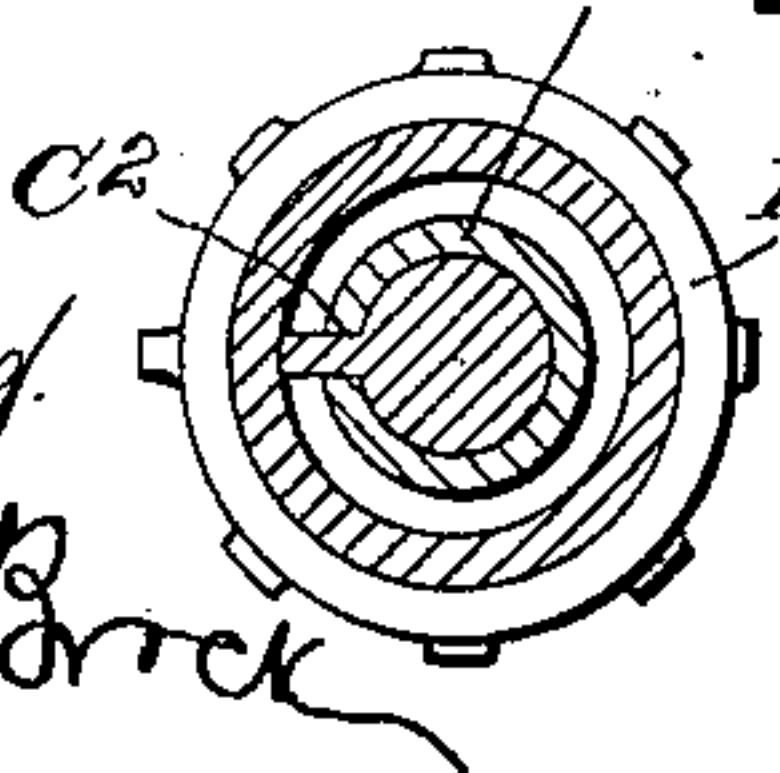
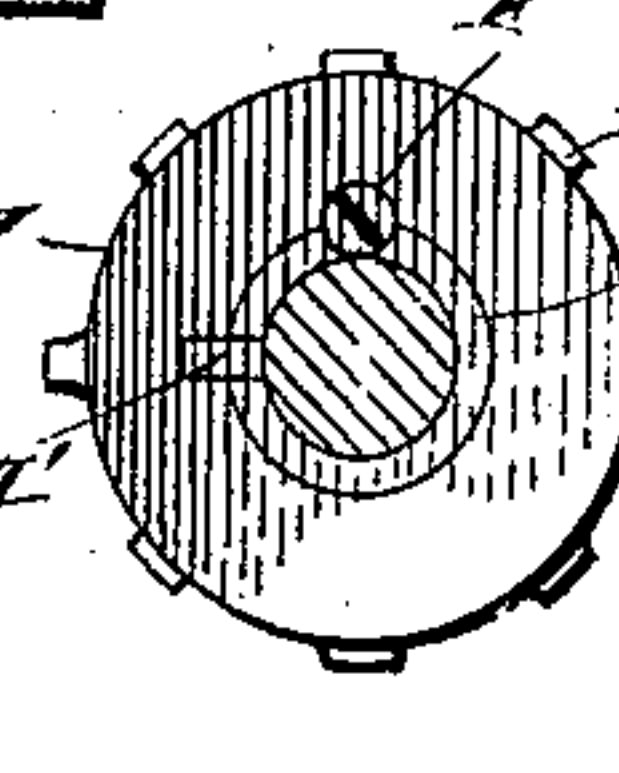


Fig. 5.



Witnesses
H. C. Lunsford.
Chas. E. Brock

Fig. 6.

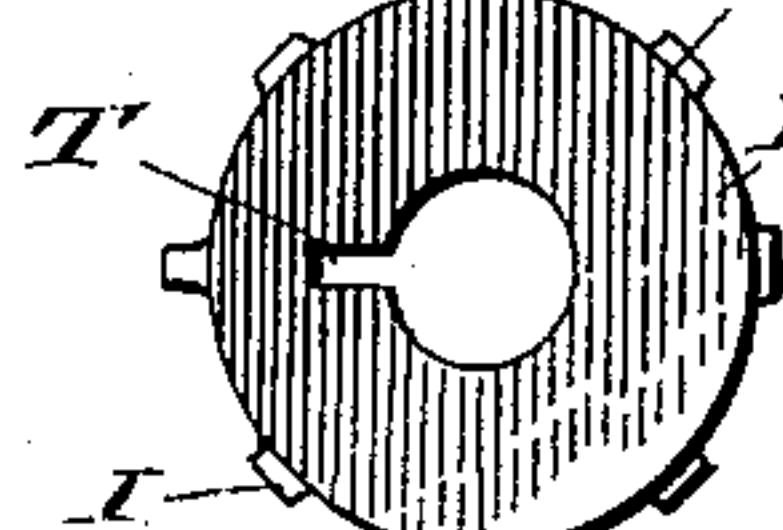
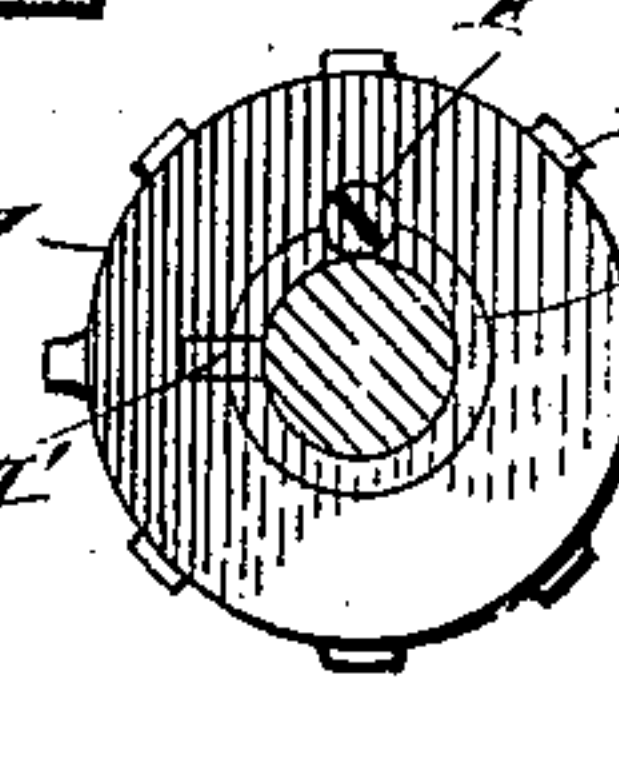


Fig. 7.



Inventor

Geo. W. Stanley,
by
Phuradey
Attorneys

UNITED STATES PATENT OFFICE.

GEORGE W. STANLEY, OF ELKHART, INDIANA, ASSIGNOR OF ONE-HALF TO
JOHN EGER, OF MISHAWAKA, INDIANA.

PERMUTATION-PADLOCK.

SPECIFICATION forming part of Letters Patent No. 611,982, dated October 4, 1898.

Application filed July 7, 1897. Serial No. 643,748. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. STANLEY, residing at Elkhart, in the county of Elkhart and State of Indiana, have invented a new and useful Padlock, of which the following is a specification.

My invention relates to improvements in that class of padlocks known as "permutation-padlocks."

10 The object of the invention is to provide a simple and improved lock in which the combination may be quickly and readily changed when desired, the construction being simple, cheap, and effective.

15 The invention consists in the details of construction hereinafter fully described in the specification and specifically pointed out in the claim.

20 In order that my invention may be fully understood, I will proceed to describe the same with reference to the accompanying drawings, in which—

25 Figure 1 is a perspective view showing the padlock in locked position. Fig. 2 is a sectional view thereof. Fig. 3 is also a sectional view taken on the line 3 3, Fig. 2. Fig. 4 is a detailed section taken on the line 4 4. Fig. 5 is a detailed section taken on the line 5 5, Fig. 2. Fig. 6 is a detail view of one of the permutation-disks.

30 In the said drawings, A represents the loop or stationary part of the padlock, having the screw-threaded ends, to which are fixedly secured the sleeves B and C by brazing or welding. The sleeve B is adapted to receive one end of the shackle D, and it is provided with any suitable means to prevent that end of the shackle from being withdrawn, but permitting the shackle being turned, while the sleeve C is formed with the enlarged portion C', which serves as a base for the permutation-disks E, and the slot C² to accommodate the feather on the shackle end. The sleeve C is further provided with the screw-threaded end E', on which the locking-disk F fits. The said locking-disk is held thereon by means of the screw F', embedded in the manner shown in Figs. 2 and 5, so that the disk cannot be taken off to change the combination until the screw F' is removed. When the shackle is in a locked position, the disk G, which is formed integral with the shackle, rests over the screw F' to prevent its being taken out.

The permutation-disks E are formed with the central opening and the gate T, and they are recessed on their faces to allow of washers H being placed between them, so that one disk can be turned without interfering with the adjacent disk. They are also provided with projections I on their periphery, on which are placed letters or numbers, as preferred, which go to make up the combination-lock, and one of these projections is placed in line with the gate T. As shown in Fig. 3, the feather M' on the shackle end is formed with the cut-out portions, in which the flange M of the disks fits when the disks are in disassembled position.

The manner of assembling the various parts in my device is clearly shown in the several views of the drawings, and the operation thereof is as follows: The disks are arranged on the sleeves C in any desired arrangement to form a combination, and the combination is formed by turning the several disks until the letters or numbers indicating the gates of the disk are in line with the indicator N, carried by the locking-disk. When the disks are in this position, it will be seen that the shackle can be withdrawn to unlock the padlock. When the shackle is returned, the disks are turned to destroy the combination, thus bringing the flanges M of the disks in the cut-out portions of the feather, so that the shackle cannot be withdrawn.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The combination of the loop A, having the sleeves B, C secured to its ends, the sleeve C, being longitudinally slotted and provided with the enlarged end C', the shackle D fitting into the sleeves with notched feather to enter the slot, the disks on sleeve C, having inward-projecting flanges to move in the notches of the feather, the rings or washers H, seated between the disks, and upon the feather between its notches, the locking-disk F, threaded on sleeve C, the screw F', locking the disk F, and the flange G, on the shackle covering the head of screw F', substantially as described.

GEORGE W. STANLEY.

Witnesses:

HERRICK E. STEPHENS,
CLYDE RAYMER.