

(No Model.)

2 Sheets—Sheet 1.

J. L. TOWNSLEY.

COIN COUNTER WITH AUTOMATIC LOCKING DEVICE.

No. 359,523.

Patented Mar. 15, 1887.

Fig. 1.

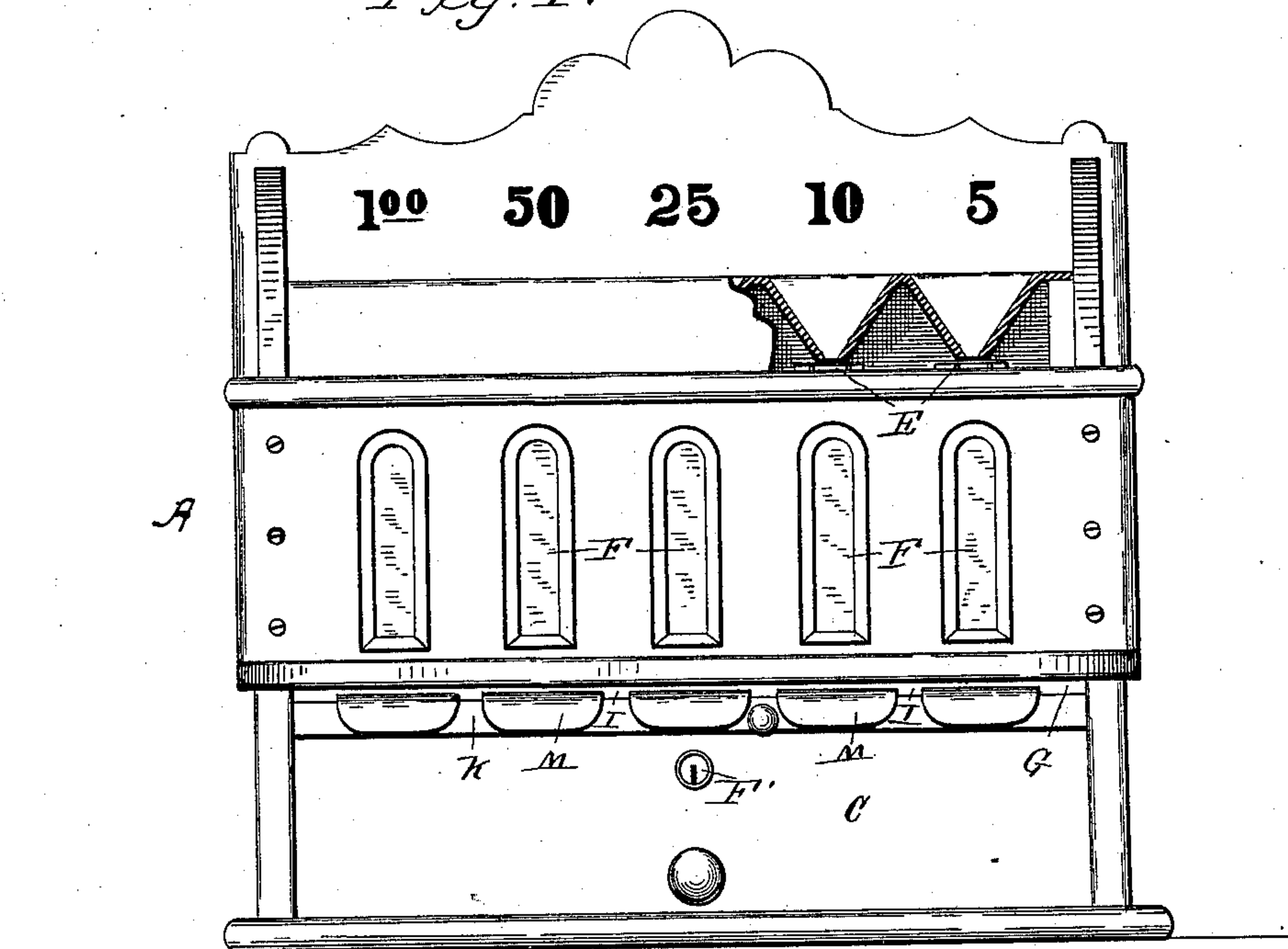
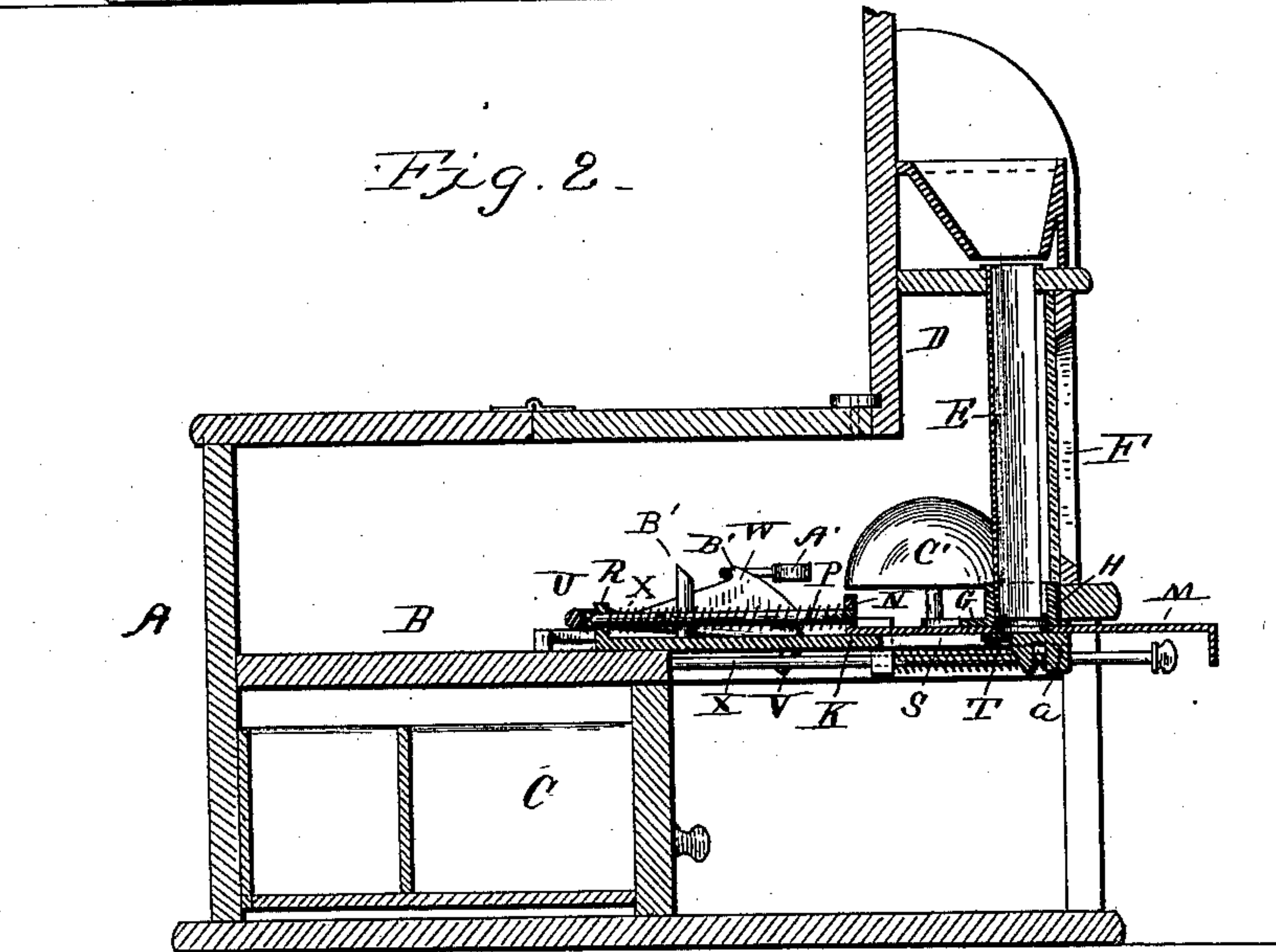


Fig. 2.



Witnesses

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Fig. 3.

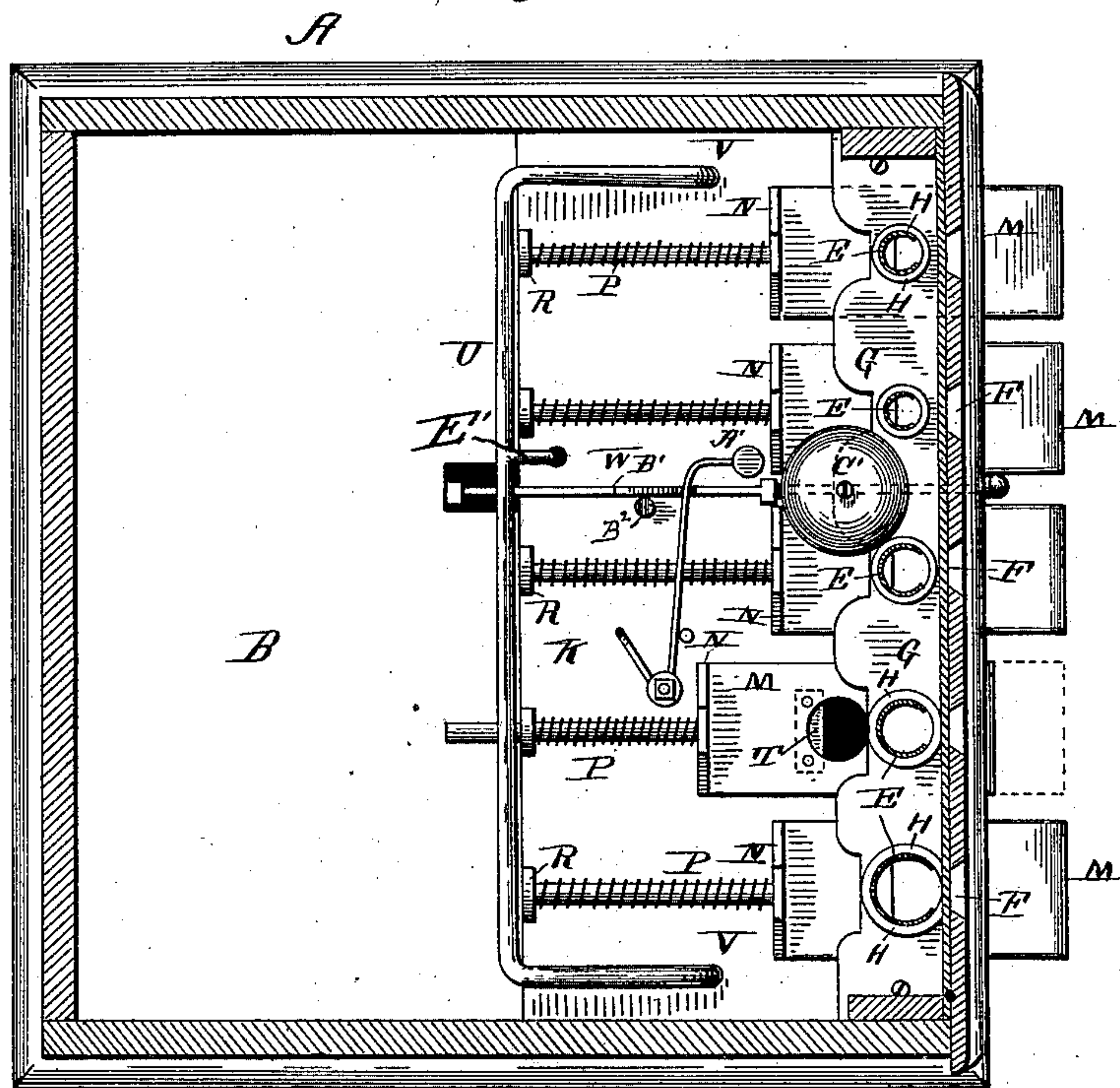


Fig. 4.

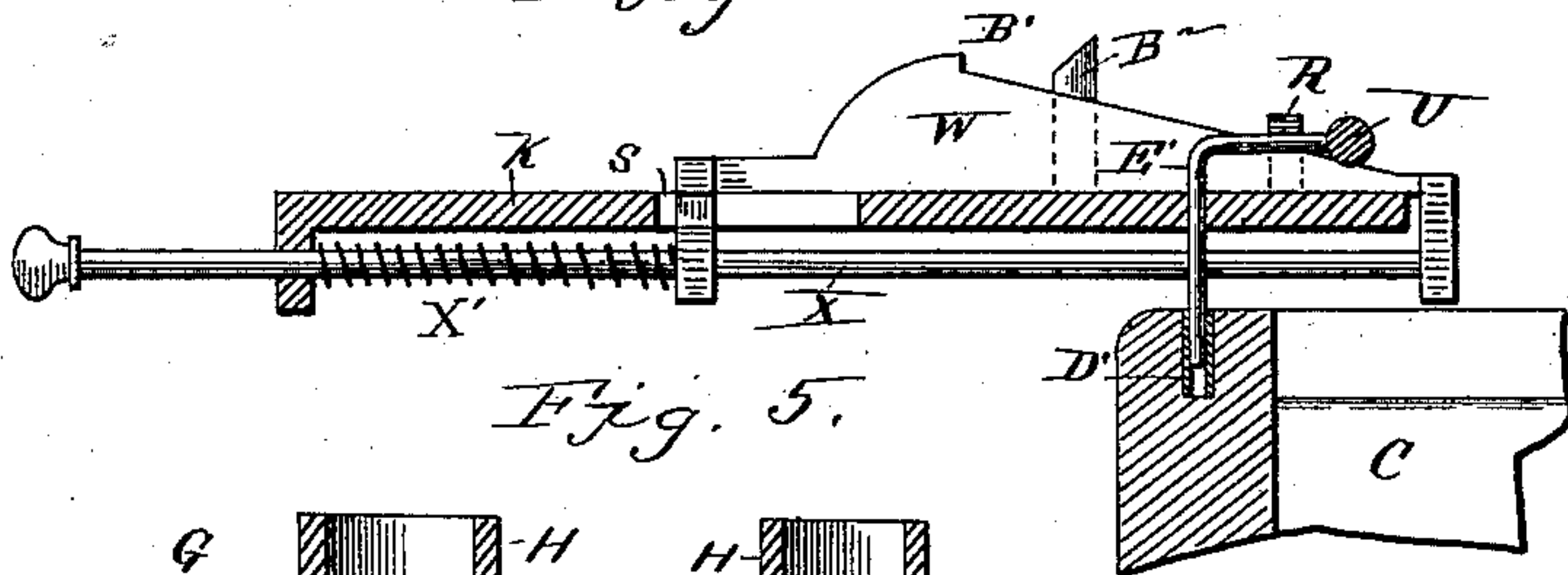


Fig. 5.

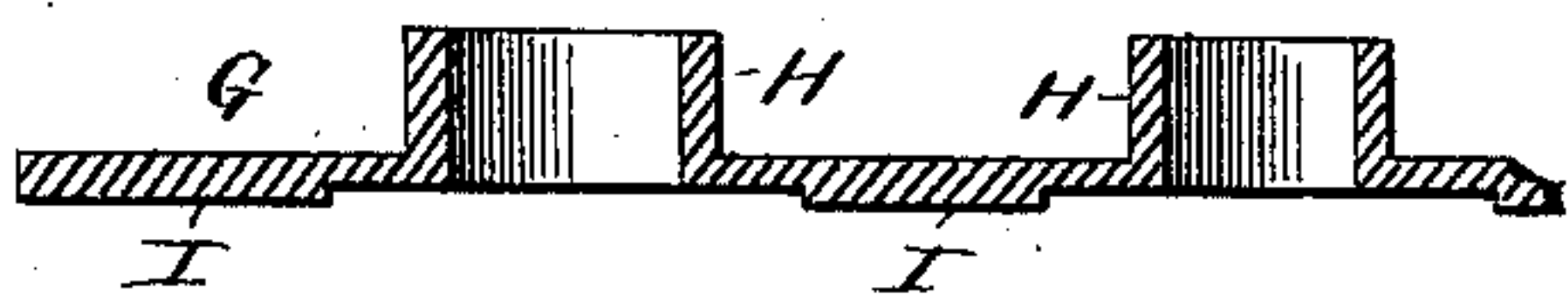


Fig. 6.

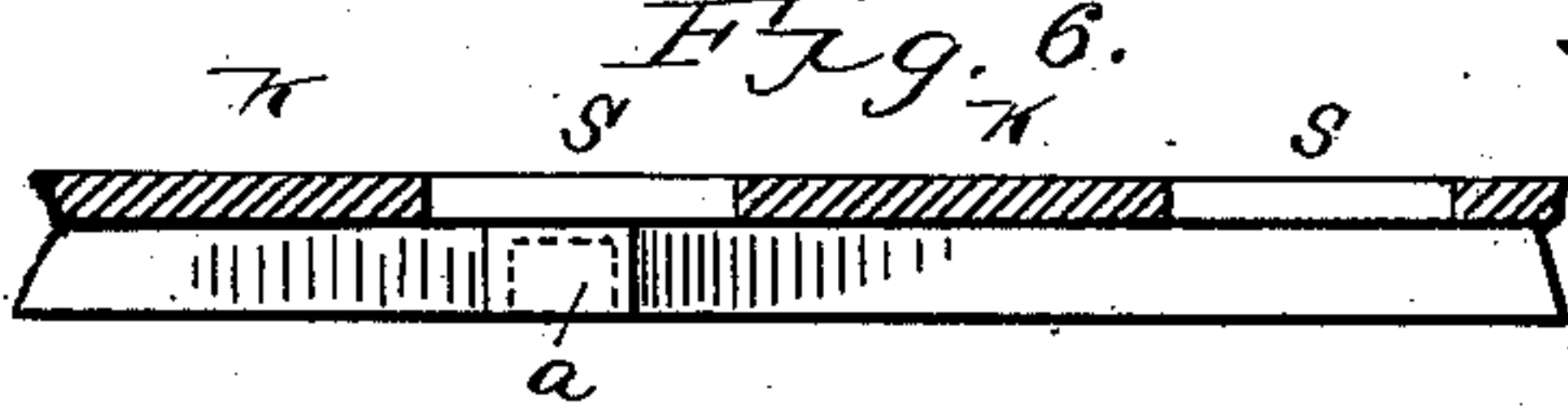
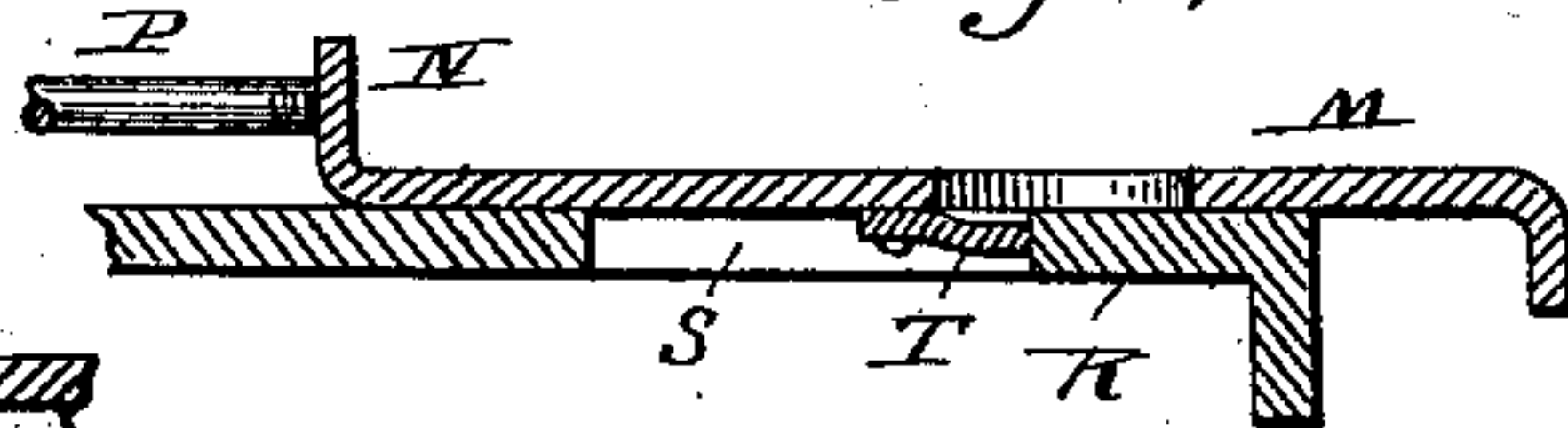


Fig. 7.



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UNITED STATES PATENT OFFICE.

JAMES L. TOWNSLEY, OF VINCENNES, INDIANA.

COIN-COUNTER WITH AUTOMATIC LOCKING DEVICE.

SPECIFICATION forming part of Letters Patent No. 359,523, dated March 15, 1887.

Application filed August 3, 1886. Serial No. 269,924. (No model.)

To all whom it may concern:

Be it known that I, JAMES L. TOWNSLEY, a citizen of the United States, residing at Vincennes, in the county of Knox and State of Indiana, have invented certain new and useful Improvements in Coin Holders and Deliverers, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention relates to certain improvements in coin holders and deliverers; and it has for its objects to provide for quickly and simultaneously locking the slides and money-drawer when the attendant leaves the device
15 for a few moments, without the necessity of locking the entire apparatus as when closed for a longer period, in such manner that any attempt to tamper with it will be revealed by the sounding of an alarm; and it further has for its ob-
20 jects to effect certain improvements in the construction of the parts, whereby the apparatus will be rendered simple and compact and more convenient in its operation, as more fully hereinafter specified. These objects I attain
25 by the means illustrated in the accompanying drawings, in which—

Figure 1 represents a front view of the apparatus with a portion of the hopper cut away; Fig. 2, a vertical sectional view of the apparatus with the delivering mechanism locked. Fig. 3 represents a horizontal sectional view of the apparatus; Fig. 4, a detached sectional view of a portion of the locking mechanism. Fig. 5 is a detached sectional view of the plate
35 which supports the coin-holding tubes. Fig. 6 represents a detached sectional view of a portion of the plate through which the coins are delivered, and Fig. 7 a detached sectional view of a portion of one of the coin-delivering de-
40 vices.

The letter A indicates a box or cabinet, which is constructed of wood or other suitable material, and the main portion of which is divided into two compartments by means of a horizontal partition, B. In the upper compartment
45 are located most of the operating parts of the apparatus, and in the lower one is located the money-drawer C, which is arranged to slide therein, as usual. The forward upper part of
50 the said cabinet is provided with a chamber, D, and an ornamental front, and in said chamber

are arranged a series of money-receptacles consisting of split tubes E, of diameters corresponding to the diameters of the different coins in circulation. The front of the chamber, opposite the opening in the side of each tube, is
55 provided with openings F, and behind said openings is arranged a pane of glass, which permits the coins in the receptacle to be observed. Upon the top of the chamber is located
60 a series of hoppers cast in one piece of metal and corresponding in number with the tubes. These hoppers are slotted at their bottoms, the slots being of such size as to just fit the coins of the different denominations. The hoppers
65 are fastened to their seat by screws or otherwise, so that they cannot be readily dislodged.

The letter G indicates a cast-metal plate having a series of openings surrounded by the flanges or short tube-sections H, which correspond in diameter to the respective coin-tubes,
70 which set in them at their lower ends and are held thereby. This plate G has transverse ribs I on its under side and rests upon the metal plate K, which rests upon the horizontal partition B in the body of the box or cabinet. The said ribs form spaces in which the slides
75 M (by means of which the coins are delivered) are moved. The said slides are provided with openings corresponding in diameter to the diameter of the coins, and extend through slots in the front of the apparatus, being provided with flanges on their forward edges, by means of which they may be manipulated. The rear
80 ends of the slides are bent upward into flanges N, from which project the rods P, which play through openings in the lugs R, cast on the plate K. The rods are surrounded with spiral springs, which keep the slides pressed normally outward. The metal plate K is provided with
85 openings S below the slides, the plate about half covering the lower ends of the coin-tubes, so as, in connection with the lips T on the slides, to close up the coin-tubes at the bottom when the slides are out, but open them suffi-
90 ciently for the coin to drop below and be delivered when the slides are pushed in.

The letter U indicates a rocking frame, which is pivoted at V to the plate K in openings therein for the purpose. The rear rail of said
100 frame rests just back of the ends of the bars or rods P when the frame is fully down and

locks the rods and the slides, as more fully hereinafter explained.

The letter W indicates a slide secured to a rod, X, extending through the front of the apparatus and provided with a knob at its outer end. The said rod is held normally back by means of a spring, X'. The said slide has its upper edge beveled at the rear, so as to raise the frame when pushed back and depress it when drawn forward, and it also has its front upper edge curved, so as to pass under the arm of a spring-actuated hammer, A', so as to let the said arm fall behind a lug, B', on the slide and carry it over a beveled post, B², so as to spring the hammer against the gong C', to sound an alarm when the slide is pushed back. The drawer at its front edge is provided with a socket, D', into which the end of the bent rod E' falls when the drawer is fully back and the frame down, locking the delivering slides and the drawer simultaneously. The drawer at its front edge is provided with a lock, F', which may be fastened with a key when the drawer is drawn forward to close the apparatus for the night or a longer period of time. The slotted lug a serves as a means for thus locking the drawer.

The operation of my invention is as follows: When the drawer is in the position shown in Fig. 2 to receive the coins and the other parts are in normal position, the apparatus is ready for use, and the coins in the coin-tubes are delivered in the usual manner, as required, by pressing in the delivery-slides. Should the attendant be compelled to leave the apparatus unguarded for a few moments, he can speedily lock it by drawing out the rod, permitting the frame U to drop and lock all of the delivery-slides and the drawer simultaneously. Should any one in his absence attempt to tamper with the apparatus and open the drawer or manipulate the delivery-slides, he could only do so by pushing in the rod and operating the alarm, thus indicating the attempt. When required to be closed, the drawer is drawn to the front of the apparatus, and locked by means of the lug a and lock F'.

It is evident that the box may be made of

any capacity, and that the drawer may be omitted in some cases, if desired.

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

1. In a coin holder and deliverer, the combination of the following elements: the coin-tubes and coin-delivery slides, rods playing through lugs at the rear of the supporting-plate, spiral springs for pressing the delivery-plates normally forward, the rocking frame and slide for operating the same to lock the slides, the bent arm on said frame, and the drawer having a socket for the said bent arm, all constructed and adapted to operate substantially as described.

2. In a coin holder and deliverer, the combination of the hoppers, the split coin-holding tubes, the plate K, provided with perforations S and lugs R, the plate G, perforated and provided with short tubular sections H, in which the tubes fit, the delivery-slides provided with openings and lugs N, the stops T, and the spring-surrounded rods P, with the frame U, pivoted so as to fall directly behind the rear ends of the rods P and lock the same, and means, substantially as described, for operating the said locking-frame, as herein set forth.

3. In a coin holder and deliverer, the combination, with the coin-holding tubes, the plate K, provided with perforations, the plate G, provided with perforations, the delivery-slides provided with openings and lugs N, and stops T, and the spring-surrounded rods P, of the spring-actuated rod X the slide W, beveled and shouldered, as described, and attached to the rod X, the pivoted frame U, provided with the arm E', the alarm mechanism, and the drawer C, provided with a socket for the arm E', all arranged to operate substantially as specified.

In testimony whereof I affix my signature in presence of two witnesses.

JAMES L. TOWNSLEY.

Witnesses:

JAMES A. ALEXANDER,
WILSON WILLIAMS.