

(No Model.)

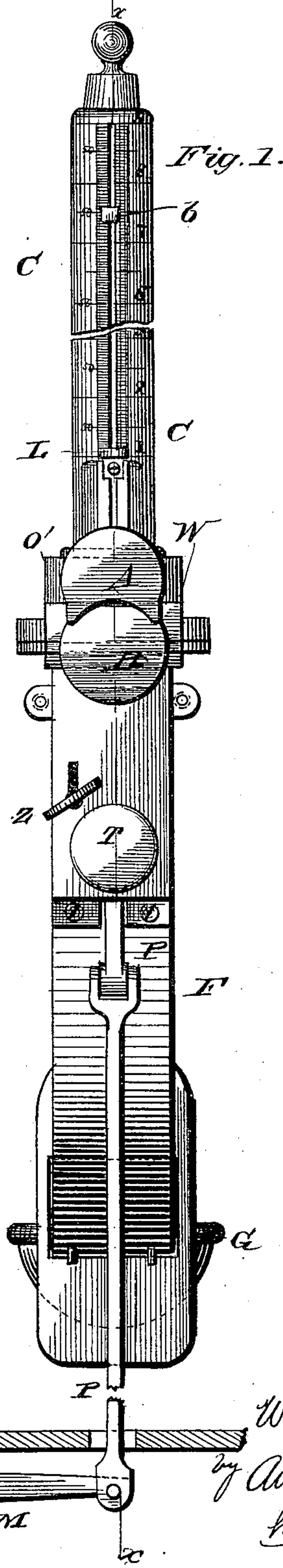
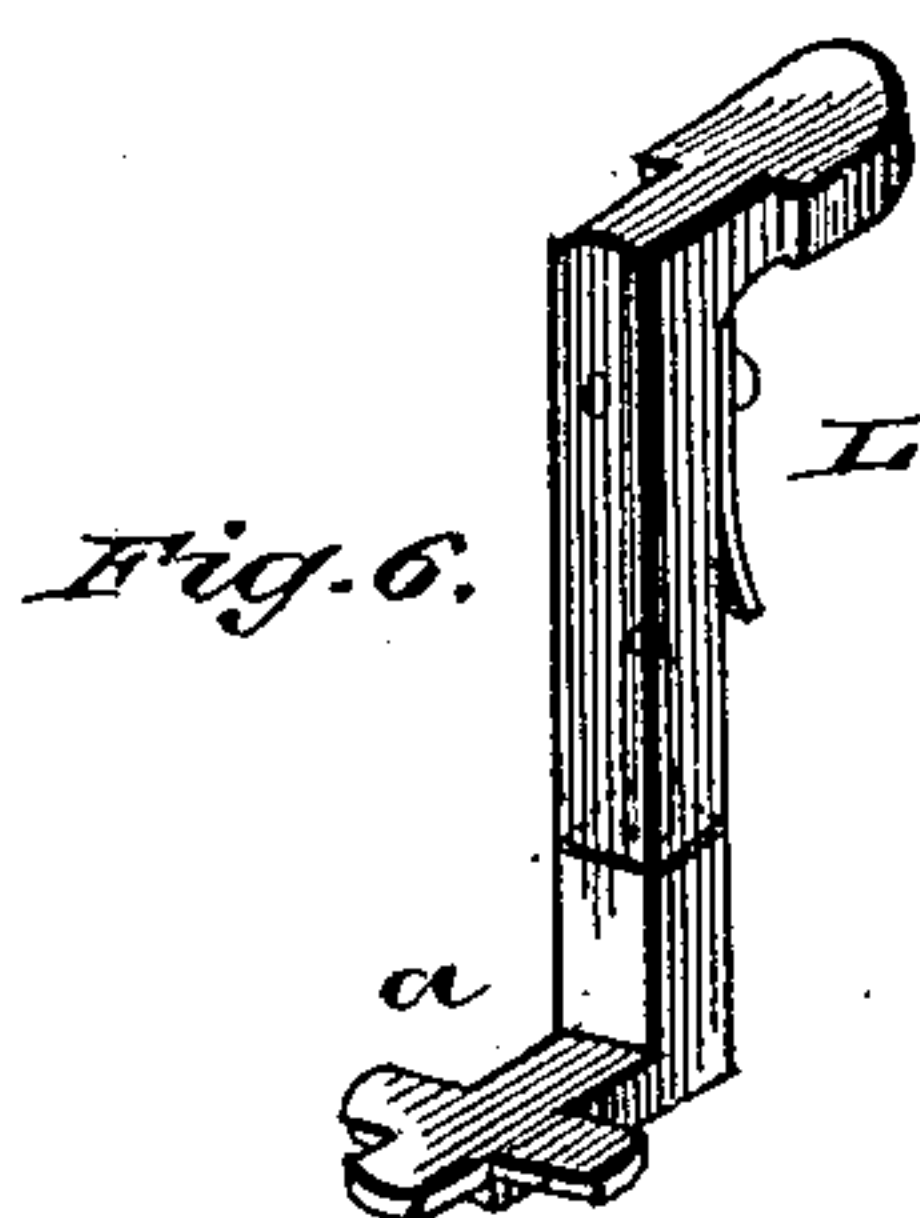
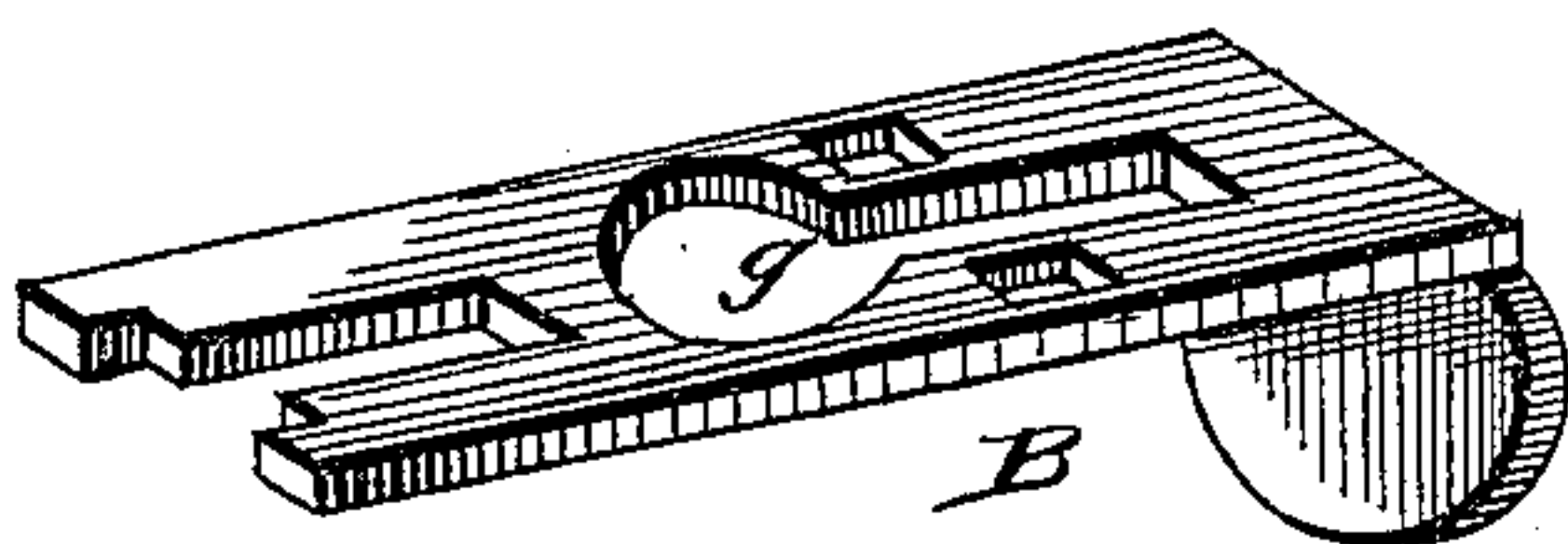
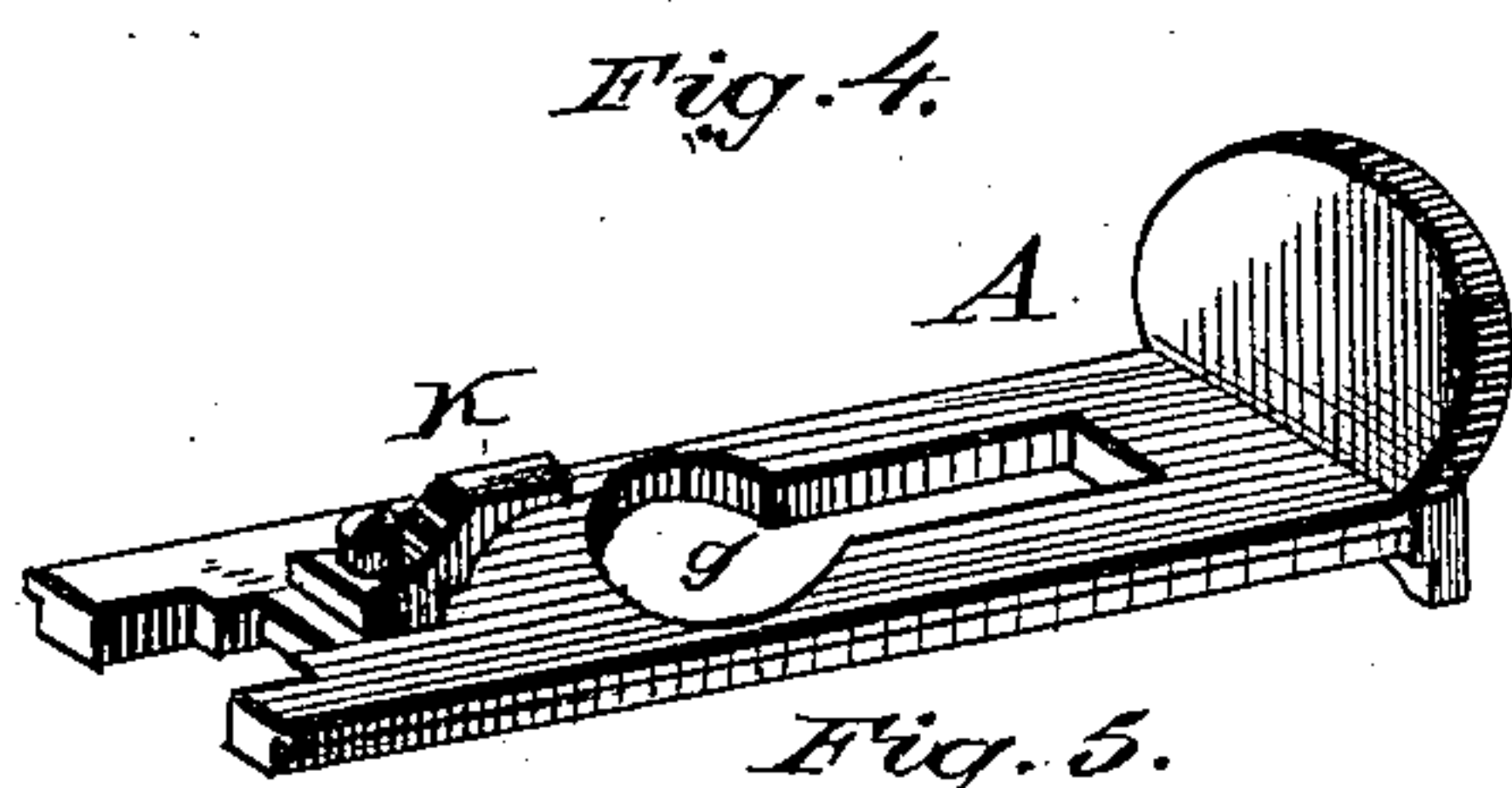
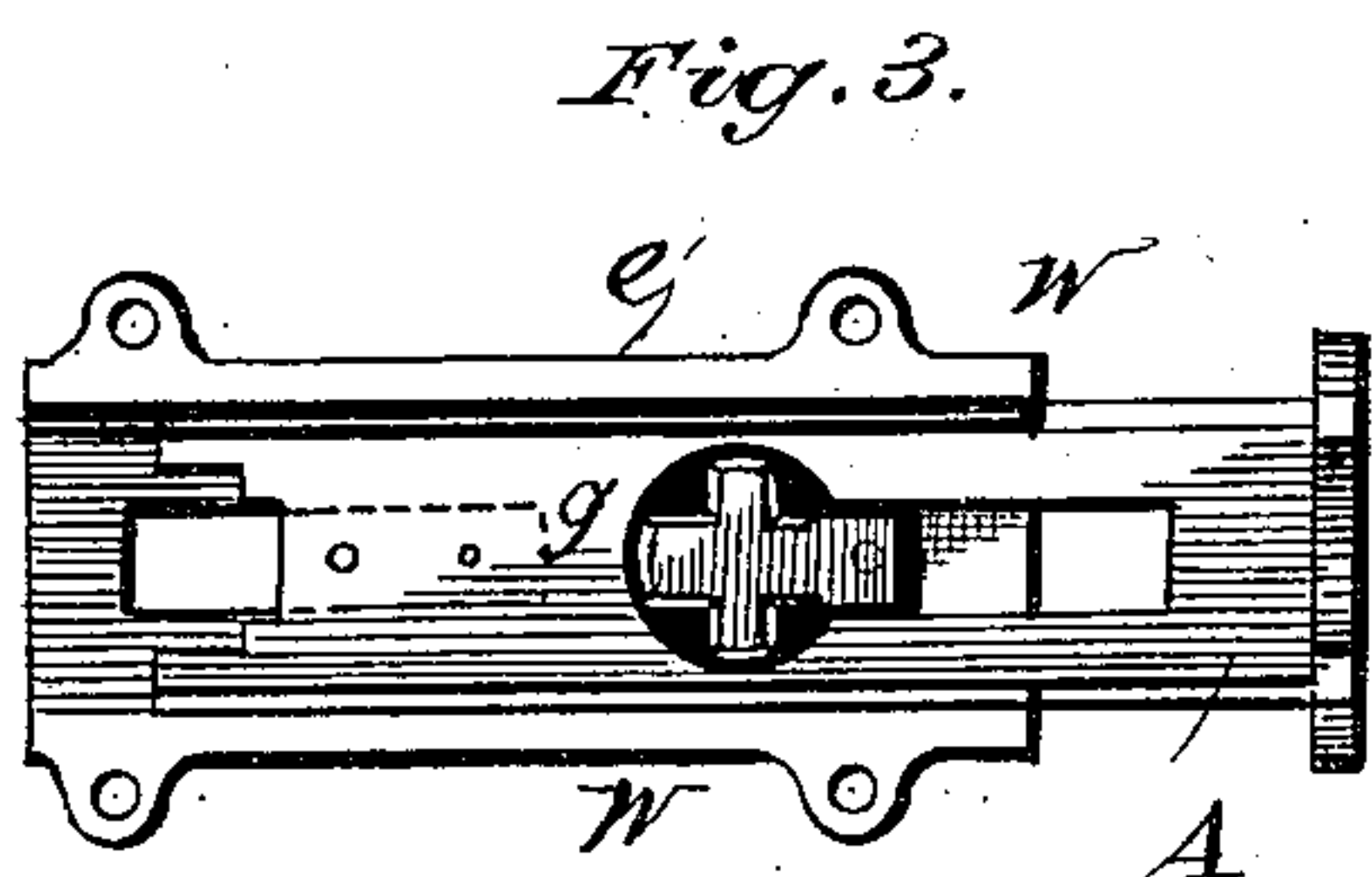
2 Sheets—Sheet 1.

W. H. HARRISON.

DEVICE FOR HOLDING COIN AND MAKING CHANGE.

No. 282,723.

Patented Aug. 7, 1883.



Witnesses:  
John T. Morrow  
E. B. Bates

Inventor:  
W. H. Harrison,  
by Anderson & Smith  
his Attorneys.

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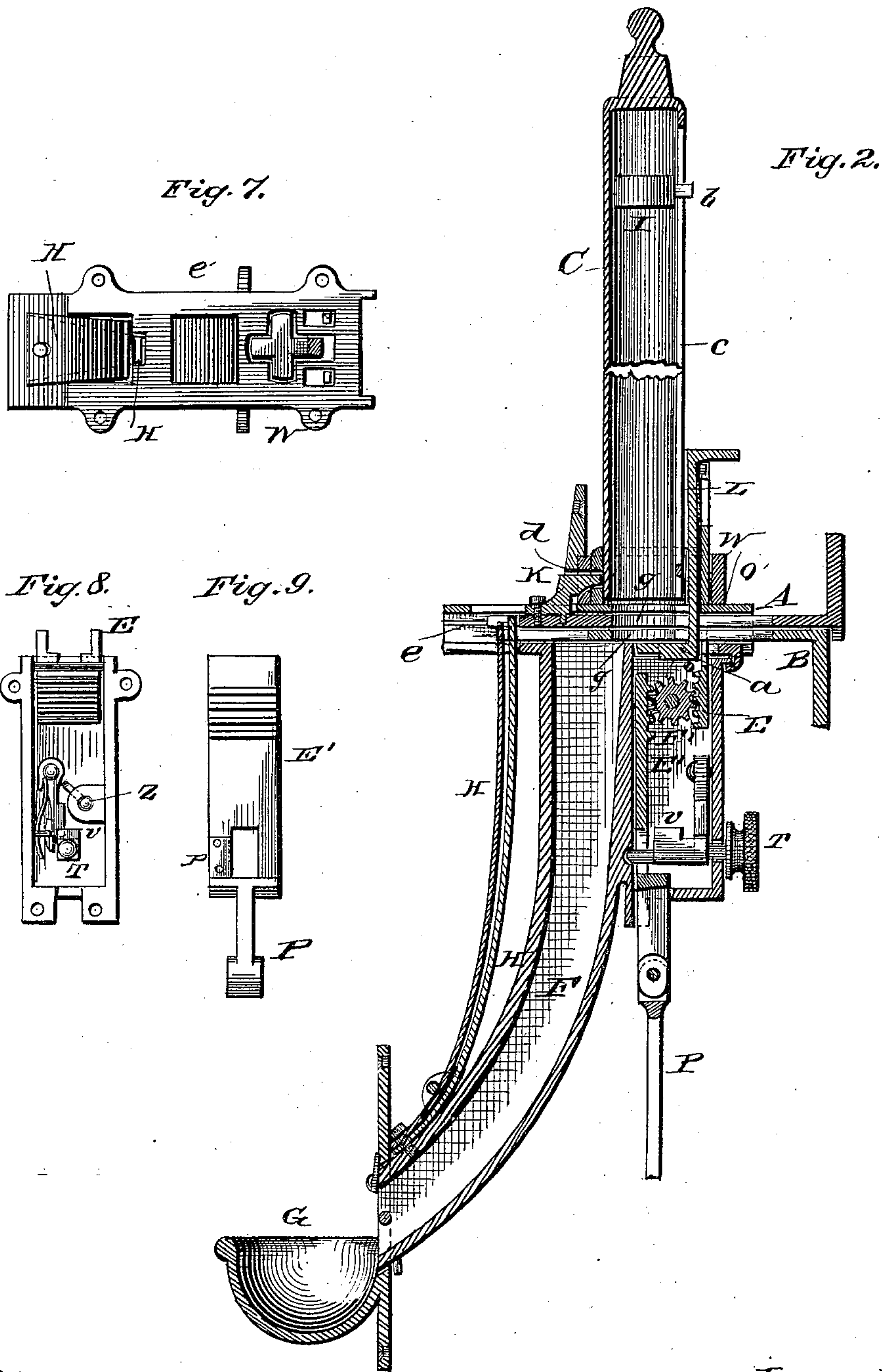
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his Attorneys.



# UNITED STATES PATENT OFFICE.

WILLIAM H. HARRISON, OF LOUISVILLE, KENTUCKY.

## DEVICE FOR HOLDING COIN AND MAKING CHANGE.

SPECIFICATION forming part of Letters Patent No. 282,723, dated August 7, 1883.

Application filed June 11, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, W. H. HARRISON, a citizen of the United States, residing at Louisville, in the county of Jefferson and State of Kentucky, have invented certain new and useful Improvements in Devices for Holding Coin and Making Change; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a front view. Fig. 2 is a vertical sectional view; and Figs. 3, 4, 5, 6, 7, 8, and 9 are detail views.

This invention has relation to money-changing machines; and it consists in the construction and novel arrangement of devices, as hereinafter set forth, and particularly pointed out in the appended claims.

In the accompanying drawings, the letter C designates the coin-holding tubes or cartridges, one of said tubes only being shown. These tubes are to be made of suitable length to hold a number of coins, according to requirement, and each tube is made of proper diameter to accommodate the special coin for which it is designed. The tube C is closed at its upper end, and its open lower end is seated in a base, W. In the lower portion of the tube is provided a slide, L, having a foot, *a*, extending within the tube and adapted to be pressed down into the base. This foot is designed to serve as a temporary stop for the lower end of the tube when it is required to secure the coins in the tube or to raise and lower the same in adjusting the tube in position. The foot *a* is hinged to the slide-stem, in order that it may be turned to one side when the tube is to be filled. Within the cavity of the tube is provided a circular weighted plate, I, having an arm or indicator, *b*, which extends through a vertical slot, *c*, in the tube, and serves to indicate on a scale marked on the tube the number of coins therein. The lower end of the tube fits in a circular seat, O', at the top of the base W, and is provided with a catch-recess, *d*, to engage the end of a bolt, K, whereby the tube is secured to the case.

F represents the lower discharging tube or passage, which communicates by its upper end with the horizontal slide-way *e* of the base, and is provided at its lower end or mouth with a receiving-cup, G. A and B designate upper and lower slide-keys, which move in the slide-way *e*, which extends from the base-chamber below the coin-holding tube to the opening at the top of the discharge-tube F. These keys are formed with circular coin apertures or seats *g*, and are made of sufficient thickness, respectively, to carry one or more coins, according to requirement. One key-slide to carry a single coin will sometimes be found sufficient.

H H indicate springs, the lower ends of which are secured to the tube F. The upper ends of these springs engage the rear ends of the slide-keys A and B, serving to keep these keys in forward position, with their coin-seats under the coin-holding tube, except when said keys are pressed back by the person operating the machine. Lock-bolts E are provided for these keys. Usually the lock-bolts are formed with rack-edges, engaging pinions F', which also engage the rack E' of a descending operating-rod, P, the lower end of which is connected to a treadle-lever, M. In applying the device to a street-car the treadle-lever is usually arranged under the floor, and is provided with a stud, J, which projects upwardly through the floor, so that it can be easily pressed upon. The weight of the rod P causes the keys to be automatically locked at all times, except when the rod is raised by pressure on the treadle or raising device.

T represents a turning-knob, having a stem formed with a projection, adapted to engage the operating-rack E' when turned toward a projection, *p*, of the same; and Z is a removable key, adapted to engage the stem of the turning-knob to unlock the same. When the operator wishes to leave the car, or his position as the money-changer, he turns the knob T half round. This operation causes the projection *c* of the stem to engage the operating-rack, and at the same time the turning-knob is locked in position by a spring-catch, so that it cannot be reversed until the key Z is introduced and turned, relieving the stem of the turning-knob.

As the bolt K, which locks the coin-holding

tube, is attached to the slide A, it follows that when the said slide is locked the tube is also locked in position.

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

1. In a money-changing machine, the key-slides A and B, superposed one upon another, substantially as specified.

2. In a money-changing machine, the combination, with the coin-holding tube and key-slide operating below the same, of locking devices adapted to lock, respectively, both tube and slide at the same time, substantially as specified.

3. In a money-changing device, the combination, with the coin-holding tube, of a slide, L, having a hinged foot, *a*, extending within

the bottom part of the tube and adapted to be pushed below the same, substantially as specified.

4. In a money-changing machine, the combination, with the key-slides which transfer the coin from below the coin-holding tube to the discharge-tube, of a locking-bolt, a turning-stem to secure the locking-bolt, and a spring-catch engaging the turning-stem and adapted to be disengaged by a removable key, substantially as specified.

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

WILLIAM HENRY HARRISON.

Witnesses:

P. R. BETTISON,  
FRED VOHRINGER.