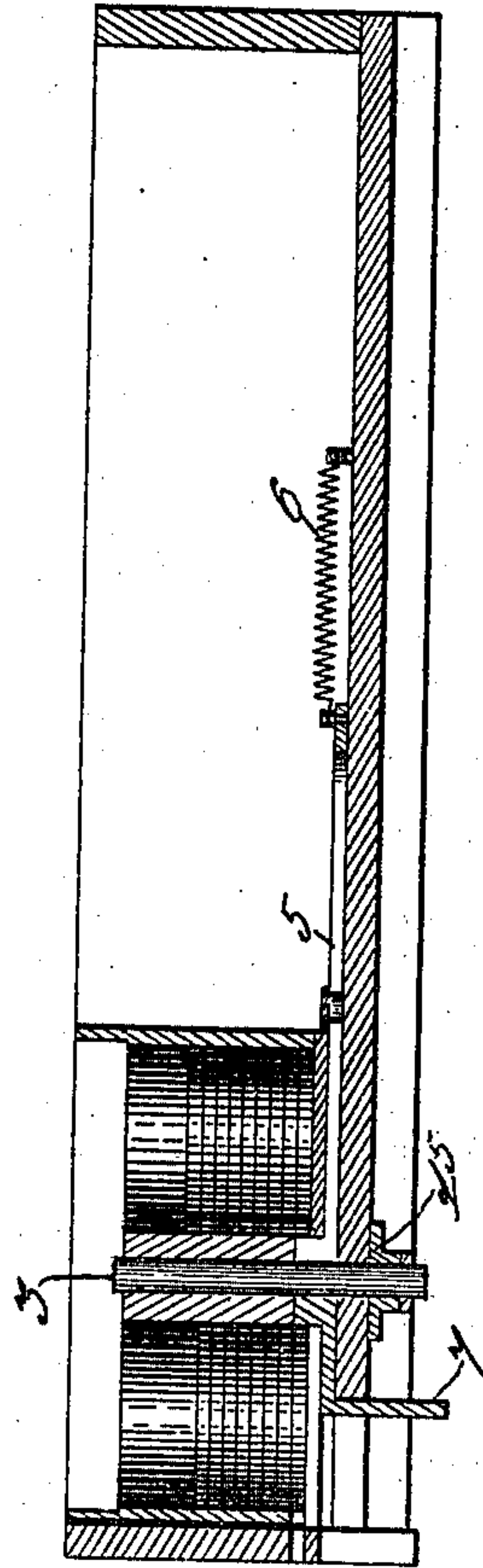
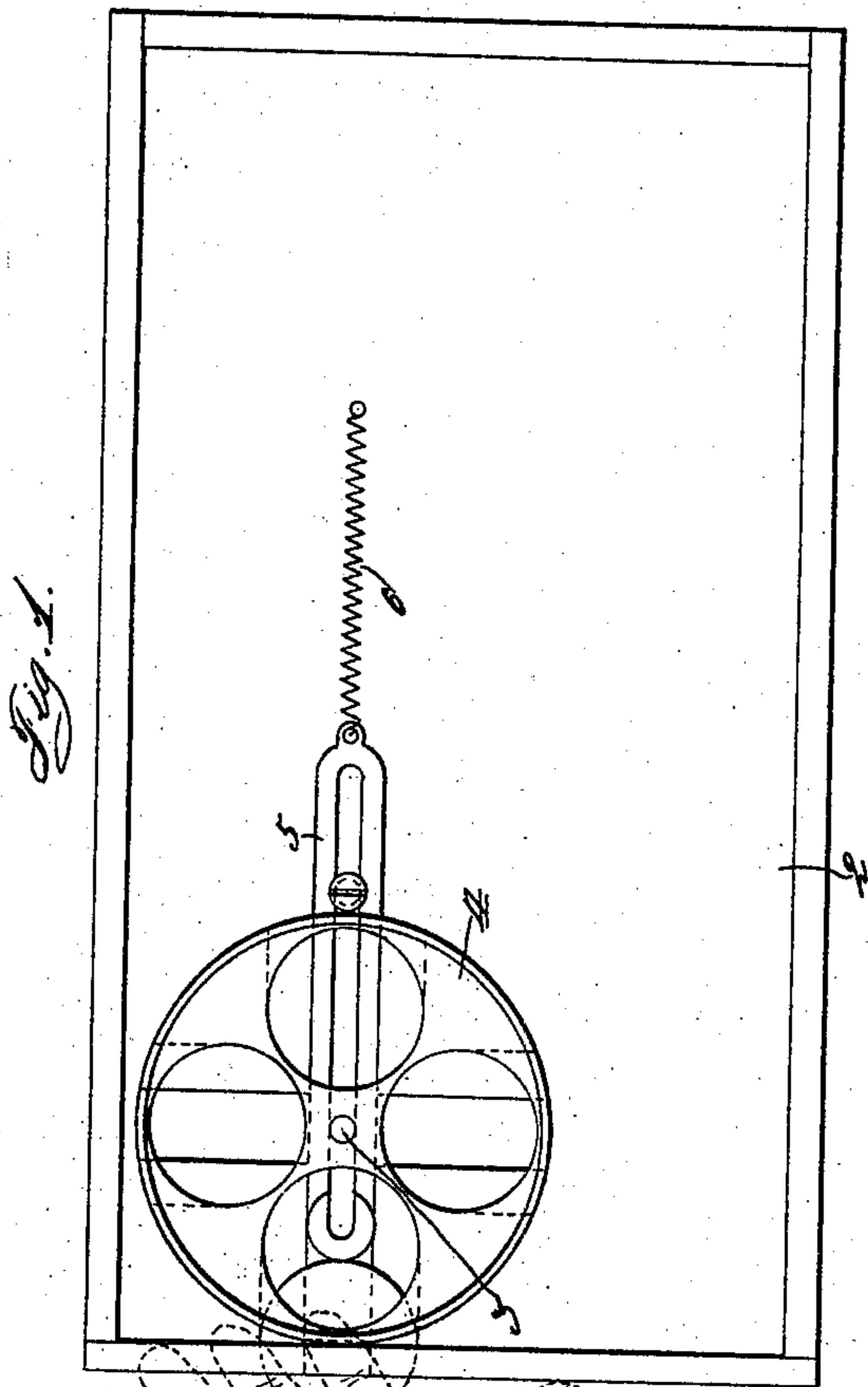


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C. A. LUNDGREN.
COIN HOLDER.
APPLICATION FILED MAR. 13, 1906.

Patented July 12, 1910.
2 SHEETS—SHEET 1.



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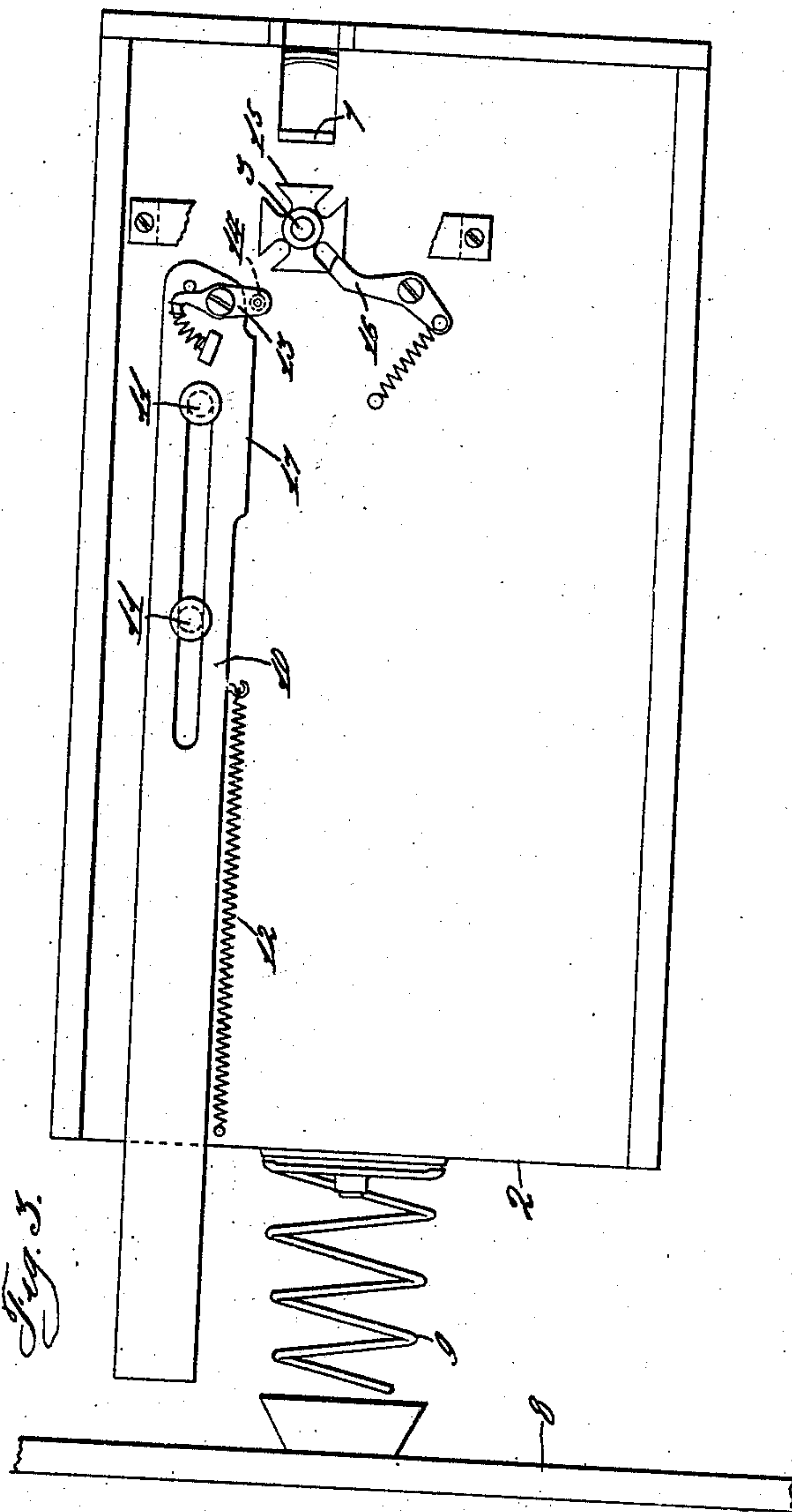


Fig. 3.

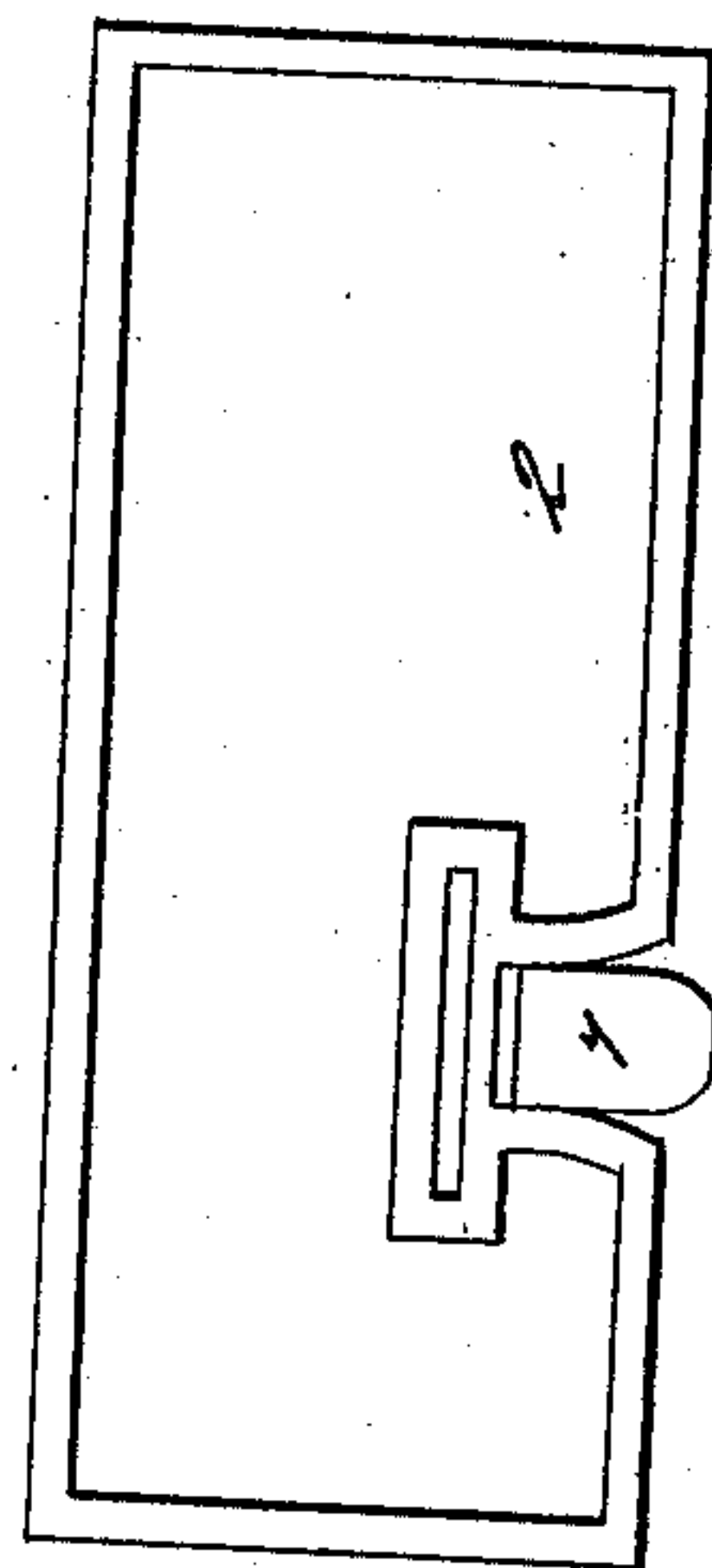


Fig. 4.

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UNITED STATES PATENT OFFICE.

CHARLES A. LUNDGREN, OF DAYTON, OHIO, ASSIGNOR, BY MESNE ASSIGNMENTS, TO
THE NATIONAL CASH REGISTER COMPANY, OF DAYTON, OHIO, A CORPORATION OF
OHIO, (INCORPORATED IN 1906.)

COIN-HOLDER.

963,784.

Specification of Letters Patent.

Patented July 12, 1910.

Application filed March 13, 1906. Serial No. 305,756.

To all whom it may concern:

Be it known that I, CHARLES A. LUNDGREN, a citizen of the United States, residing at Dayton, in the county of Montgomery and State of Ohio, have invented certain new and useful Improvements in Coin-Holders, of which I declare the following to be a full, clear, and exact description.

This invention relates to cash registers and particularly to the cash safe ordinarily used in connection therewith, and has for its object to provide a cash safe affording ready access to the coins placed therein.

It also provides a compact change making means whereby the operator is enabled readily to detach whatever coins are needed for change therefrom.

In particular the invention comprises a series of rotating coin turrets, each having a plurality of coin tubes therein, arranged to receive the different sizes of coins. Only one turret is shown in the figures, but it will be understood that one for each size of coins desired to be used is provided.

With these and incidental objects in view, the invention consists in certain novel features of construction and combinations of parts, the essential elements of which are set forth in appended claims and a preferred form of embodiment of which is hereinafter specifically described with reference to the drawings which accompany and form part of this specification.

Of said drawings: Figure 1 shows a plan view of one of the drawer compartments having my invention applied thereto. Fig. 2 is a vertical longitudinal section of the same. Fig. 3 is a bottom plan view of the device, and Fig. 4 is a front view of the cash compartment showing the ejector.

In the use of the cash drawer, as ordinarily constructed, it is necessary that the operator should handle a miscellaneous mass of coins each time that it is desired to draw one or more therefrom. This is objectionable, for the reason that it is somewhat slow in operation, and this invention therefore aims to provide a device which will allow the withdrawal of the desired coins with the least expenditure of effort, and as quickly as possible. A rotating turret, as described, is provided and an ejecting means

common to all the coin tubes and with which they are adapted to successively engage. This increases the capacity of the compartments, as well as allowing convenient access thereto.

Referring to the drawings; in Figure 1 is shown a compartment of the cash drawer 2, having mounted therein a vertical shaft 3, and in which is mounted to rotate a coin-holding turret 4. This turret contains four coin-holding tubes of the same size, each of which is adapted to hold a number of coins. A reciprocating ejector 5 is provided, normally drawn rearward by a spring 6, and having a flange 7 at the front of said ejector, and in a position to be operated by the finger of the clerk, as shown in Fig. 1. One of the tubes is always in position to be actuated, and in such case a reciprocation forward and back of the ejector 7 will cause one coin to be ejected into the operator's hand.

Means are provided, as shown in Fig. 3, for causing the rotation of the turret to bring other holders into operative position, and in this embodiment the said means is arranged to be operated by the closing of the cash drawer. In Fig. 3, 8 indicates the casing of the machine, and 9 the usual spring for ejecting the drawer. A reciprocating bar 10 is mounted by a pin and slot connection 11 in the drawer, and has connected to it a spring 12 for normally returning it to the position shown. Wiping pawl 13 having an anti-friction roller 14 mounted at the forward end of the bar 10, and is adapted to engage a star wheel 15, which is on the shaft 3 carrying the coin turret. A pawl 16 is adapted to prevent reverse motion of the turret. The reciprocating bar 10 has a straight edge 17, which acts as a lock for the star-wheel 15 when the bar is in its outward position. From this structure it evidently follows that when the drawer is returned to its inward position the bar 10 will be prevented from moving therewith by its contact with the casing 8, and the roller 14 will engage in the notches of the star-wheel 15 and rotate the same one-fourth of a revolution. When the drawer is again opened the pawl 13 will wipe idly by the star-wheel 15. It is evident that this device is adapted to be used with any of the types of cash safes

now used on cash registers, and well known in the art. The device may also be used for handling metal checks as well as coins.

While the form of mechanism here shown and described is admirably adapted to fulfil the objects primarily stated, it is to be understood that it is not intended to confine the invention to the one form of embodiment herein disclosed, for it is susceptible of embodiment in various forms all coming within the scope of the claims which follow.

What is claimed is as follows:—

1. In a coin handling device, the combination with a cash drawer, of a rotatable coin holder mounted thereon, having a plurality of coin tubes, an ejecting device common to said tubes and normally in operative position with respect to a tube, and means to rotate the coin holder at each operation of the cash drawer, to bring a succeeding tube into position to be operated on.

2. In a coin handling device, the combination with a plurality of coin holders mounted to rotate as a whole, a reciprocating ejecting means and means comprising a reciprocating bar for rotating the coin holders in a constant direction for successively positioning the said holders to cooperate with the ejecting means, a pawl mounted on said bar and a device moving with said coin holders and with which said pawl engages and means for preventing retrograde movement of said coin holders.

3. In a coin handling device, the combination with a cash safe having a movable member, of a coin holder having a plurality of receptacles, means for preventing retrograde movement of said coin holder, an ejecting means common to all said receptacles, and means for producing relative movement between the coin holder and the ejecting means at each operation of the movable member of the cash safe, to effect a successive cooperation of the receptacles and ejecting means.

4. In a coin handling device, the combination with a movable cash drawer, of a coin holder having a plurality of tubes mounted in said drawer, an ejecting means common to all said tubes for ejecting a coin when desired and means for producing relative mo-

tion between the ejecting means and the holder also mounted in said cash drawer and operated by the motion thereof.

5. In a coin handling device, the combination with a cash safe having a movable part, of a coin holder having a plurality of coin tubes, means for compelling a step by step movement of said coin holder, a common means for disengaging coins from any of the tubes, and means operated by the movable part of the cash safe for causing relative motion of the coin holder and the disengaging means.

6. In a coin handling device, the combination with a cash safe and its casing of a coin holder mounted to rotate in said safe and having a plurality of tubes, a reciprocating ejecting means for said tubes, and means for rotating said coin holder, also mounted in said safe and comprising a reciprocating bar adapted to abut against the casing, and a pawl carried by said bar and actuating the coin holder.

7. In a coin handling device the combination with a cash safe having a movable part, of a revoluble coin handling turret mounted therein, and means operated by the cash safe for revolving the turret.

8. In a coin handling device, the combination with a cash drawer, a revoluble coin holder mounted in said drawer, means for giving the cash drawer a movement in one direction, and means operated by the movement of the cash drawer in the opposite direction for rotating the coin holder.

9. In a coin handling device, the combination with a cash drawer having a movable member, of a movable coin holder having a plurality of coin tubes, an ejecting means common to all of said tubes, means for imparting to the coin holder a step by step movement in one direction only and means under control of the movable member of the cash drawer for preventing an overthrow of the movable coin holder.

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

CHARLES A. LUNDGREN.

Witnesses:

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CARL W. BEUST.