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COMPLETE SPECIFICATION.

Improvements in Coin-freed Apparatus.

I, Dr. FRIEDRICH ADOLF RICHTER, of 65, Schwarzburgerstrasse, Rudolstadt, Thuringen, in the Empire of Germany, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

5 This invention relates to an arrangement by means of which the correctness of the coin inserted into an automatic apparatus can be ascertained by causing it to be exhibited during the interval between two or more successive operations of the apparatus and to be then caused to drop into the money till by the insertion of a fresh coin for further operating the apparatus. Or the coin may be gradually
10 moved towards the till through the successive insertion of fresh coins which in turn are exhibited, and after the insertion of a predetermined number of coins the former is caused to drop into the till; the last inserted coin always taking the place of that previously inserted.

15 This action is effected by causing the coin dropped into the apparatus to slide down the coin-duct or chute which is of the usual and well-known construction, and to fall upon the suitably shaped free end of a releasing lever arranged below the discharge end of the coin-duct, so as to depress the said end of the lever. At the same time the other end of this lever is lifted and the driving mechanism thereby started in a well known manner whereupon the releasing lever is caused
20 to deliver the coin to a travelling lever which is operated by the driving or actuating mechanism and carries or conveys the coin into a receptacle having an opening in which the said coin is retained on view until, by reason of the insertion of a fresh coin, the said driving mechanism is again started and the travelling lever caused by means of a spring to move back to the position below
25 the releasing lever, the receptacle being at the same time caused to either drop the coin into the money till or move the coin towards the till so as to be ready for receiving a fresh coin.

The invention is illustrated in the accompanying drawings in which:—

30 Figures 1 and 2 are a plan and a side elevation respectively of the improved apparatus and

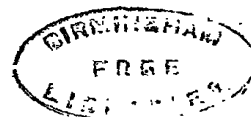
Figures 3 to 9 are detail views hereinafter referred to.

In carrying out my invention the coin having been inserted in the apparatus passes through the chute 1 to the suitably shaped free end of the releasing lever 3 which free end is formed in two parts, one part 2 being attached to the said lever
35 and the other part 2^a being arranged upon the end of an arm pivoted to the said releasing lever 3. This releasing lever is so arranged that when depressed by the coin the part 2^a will, by means of a stop 4, be caused to oscillate on its pivot so as to separate the two parts of the lever to allow the coin to fall therefrom.

40 The depression of the coin-receiving end of the lever 3 causes the opposite end thereof to be raised and the driving or actuating mechanism to be released and to actuate a lever *a* as hereinafter described.

The two-armed or travelling lever *a* is fitted at one end with a dish-shaped coin-holder for receiving the coin from the releasing lever and carrying it to the

[Price 8d.]



Richter's Improvements in Coin-freed Apparatus.

receptacle *h* where it is exposed to view. To this end of the travelling lever is also pivotally connected an arm *b* controlled by a spring *c* such arm being ring-shaped at its free end and fitting exactly the dish-shaped end *d* of the lever *a*, Figure 1. The coin falling from the releasing lever into the said ring is carried by the travelling lever to the receptacle *h*. This action of the lever is effected by a pin or projection *5* on the drum *q* of the driving mechanism engaging the short arm of the lever *a* *a*¹, the said lever when released by the said pin *5*, being returned preferably by means of a suitable spring *p* to the position shown in full lines in Figure 1, the return movement being limited by the post *r* of the frame. Upon arriving above the inlet opening *g* of the receptacle *h* a stop *f* retains the arm *b* provided with the circular opening while the arm *a* with its dish shaped coin holder *d* continues to travel somewhat further thus enabling the coin to drop or slide into the inlet and thence into the receptacle proper *h*. The receptacle consists of a kind of drum or wheel *h* provided with radially arranged partitions or spokes by which the said drum is divided into a series of compartments for the reception of the coins as shewn in Figure 7.

The said drum or wheel is enclosed between a glass plate *i* Figures 1 and 2 and a rear wall *k* Figures 1, 2, 3 and 6 such rear wall being formed with two radially disposed slots *b*¹ and *b*² Figure 6. The coin from the inlet *g* passes through the upper slot *b*¹ into one of the compartments of the drum where it is retained on view until the receptacle is revolved so far round as to bring the coin in front of the lower slot *b*² thus allowing it to drop into the till Figure 2. The rotation of the drum or wheel-shaped receptacle *h* is effected by the driving mechanism by means of a pawl *m* Figure 8 arranged to rotate by one or more teeth the star-wheel *n* on the shaft *t*, the said wheel being retained in position by a leaf-spring *o*, see Figures 4 and 5.

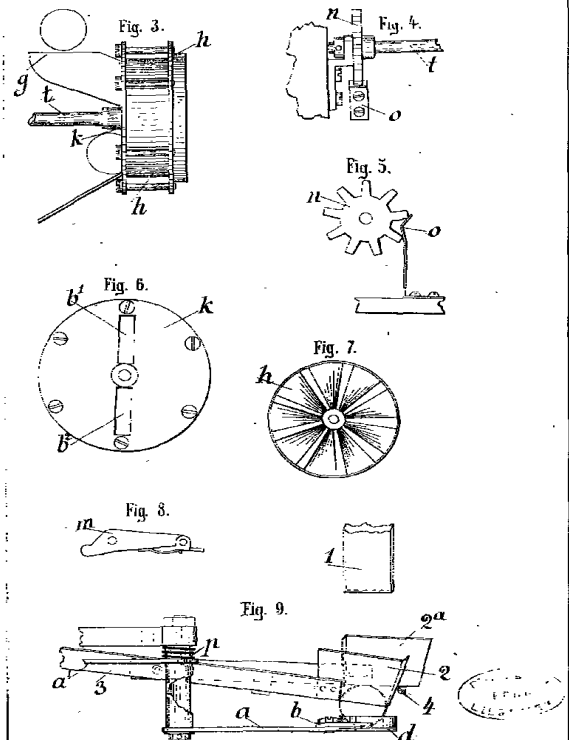
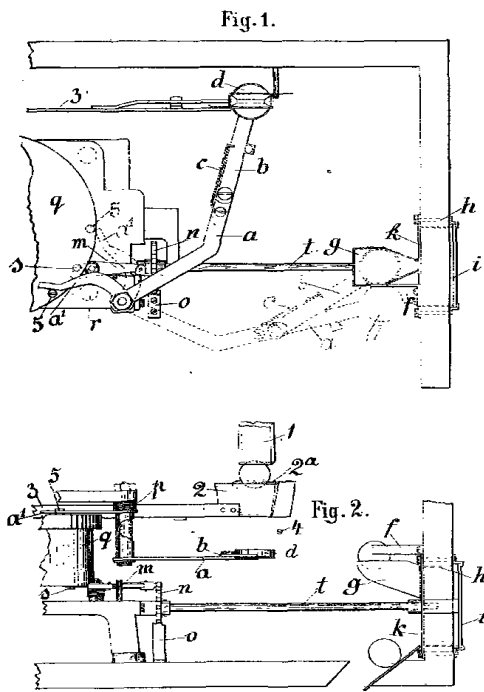
Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:—

1. A money controlling device for use with coin freed apparatus characterized by the feature that the inserted coin, after having operated the apparatus, is carried towards and deposited into a receptacle in the interior of the apparatus in such a manner as to be visible from the exterior until removed after the insertion of a fresh coin or a predetermined number of coins, through the action of the driving mechanism.

2. A money controlling device as claimed in Claim 1 characterized by a travelling coin-carrying lever having an arm *b* pivotted to its arm *a*¹ in such a manner that the annular end of the arm *b* is closed during the travel from the releasing lever to the receptacle *h* and on striking against a stop *f* is opened by the arm *a* continuing to travel so as to release the coin and allow it to drop into the exhibiting receptacle.

Dated this 6th day of June 1899.

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[This Drawing is a reproduction of the Original on a reduced scale.]

Fig. 1.

