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COMPLETE SPECIFICATION.

Improvements in or relating to Coin-freed Apparatus.

I, DR. FRIEDRICH ADOLF RICHTER, of 65, Schwarzburger Strasse, 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 a coin-freed apparatus having two separate delivery mechanisms *i.e.*, a main or ordinary and a secondary delivery mechanism, the latter being of such a construction and operation as to indicate clearly to the person using the apparatus whether or not he will receive a prize.

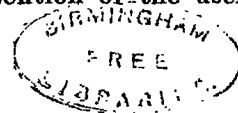
10 To this end the invention generally speaking consists in the arrangement of a secondary delivery mechanism in coin-freed apparatus of any type comprising a driving and an ordinary delivery mechanism and specially consists in the arrangement and combination of parts more fully hereinafter described and shown in the accompanying drawings, whereof Figure 1 illustrates the secondary apparatus for delivering the object or article to the user as seen from the front.

15 The driving mechanism and the main delivery mechanism may be of any suitable kind or of any type used heretofore in combination with fortune telling apparatus or exhibiting or other automatic apparatus and, therefore, need not be specified.

20 Upon the stand *a* two standards columns or uprights *b* and *c* are screwed, and rigidly connected to the standard *b* is provided a disc *d* having a slot *l* Figure 2. Two discs *e* and *f* Figures 1 and 3 formed with slots *g* are fixed upon the sleeve *h* which is loosely mounted upon the standard *b*, in such a manner as to arrange the slots *g* of which there are ten in this case, in registering position to each other. The sleeve *h* is kept in position by the screw *i* and is pressed against the 25 screw head by a spring *k*. The disc *e* Figures 1 and 3 is provided with teeth on its edge such teeth having a certain proportion to the slots. On the sleeve *m* Figure 1 rotating upon the standard *c* to which friction is imparted by a spring *o* arranged beneath the screw *n* is fixed the star wheel *p* Figures 1 and 3 and also another toothed disc *q* Figures 1 and 8. In the teeth of this disc engages 30 the projecting tooth *r* of the driving mechanism or the hook of the pull bar of an automatic apparatus and thus moves the disc for one tooth at each use of the apparatus causing the star wheel *p* Figure 1, 3 and 6 fixed to the sleeve to move accordingly.

The delivery from the secondary apparatus is effected in the following manner:
35 After the apparatus has been worked, say 30 times the disc *q* having 30 teeth has completed one rotation and with it also the three-armed star wheel fixed to the same sleeve has performed a rotation. Each arm of the star wheel by acting upon the teeth of the disc *e* moving the discs *e* and *f* for one tooth said discs will finally be so placed as to bring one of its slots *g* exactly above the slot *l* of 40 the stationary disc *d* Figure 2. At the moment this occurs the flat object (such as a round candy tablet or the like) placed in the slot Figures 1 and 4, falls through the slot *l* of the stationary disc *d* into a chute *t* leading to the exterior and can be received by the user. In order to draw the attention of the user to

[Price 8d]



Richter's Improvements in or relating to Coin-freed Apparatus.

the object to be delivered the disc g is fitted with a stud u Figure 1 which at each completed rotation of the disc strikes against the hammer v of the bell w and causes the latter to ring.

If desired to cause the tablet s to issue from a more elevated point without having to raise the apparatus, the disc e is provided with a ring y having slots x , 5 such ring being of a smaller diameter than the teeth of the disc and furnished in the interior with an inclined or conical bottom plate Figures 5 and 6. In order to prevent the tablet s from escaping through the side slots a cap or hood 3 is secured to the standard z said cap being formed with a single side slot 1 and with a number of slots 2 on the top Figures 7 and 8 so that the tablet 10 can only drop out when in front of the slot 1 Figure 7.

To indicate the number of times the secondary delivery apparatus has been operated I provide a counting apparatus. To this end the sleeve 4, Figure 9, is provided with a disc 5 with figures marked upon it, these figures together with those on the plate, see Figure 10, give the number of operations. The arrange- 15 ment shown in Figures 9 and 10 is as follows: In lieu of the toothed disc g Figure 1 the sleeve 4 is provided with a ratchet wheel 8 having 30 teeth which is moved for one tooth by means of a pawl 6 on a lever 7 operated by a tooth of the driving mechanism every time the apparatus is used. As the disc 5 is marked three times with the number 0 to 9 and the disc f only moves for one 20 tooth after every ten motions of the disc 5, it will be obvious that the disc f gives the tens and hundreds while the disc 5 gives the units. The proportion of the indicator gear may, however, be altered to suit special circumstances.

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 25 I claim is:—

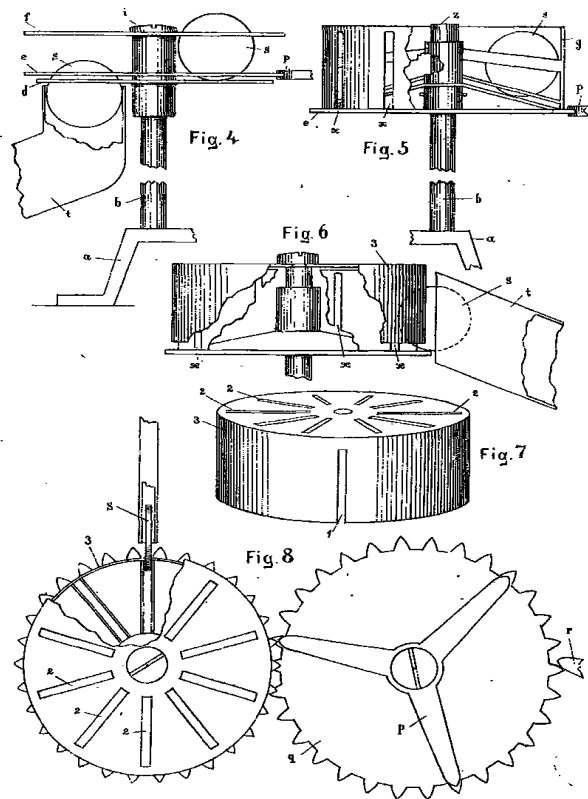
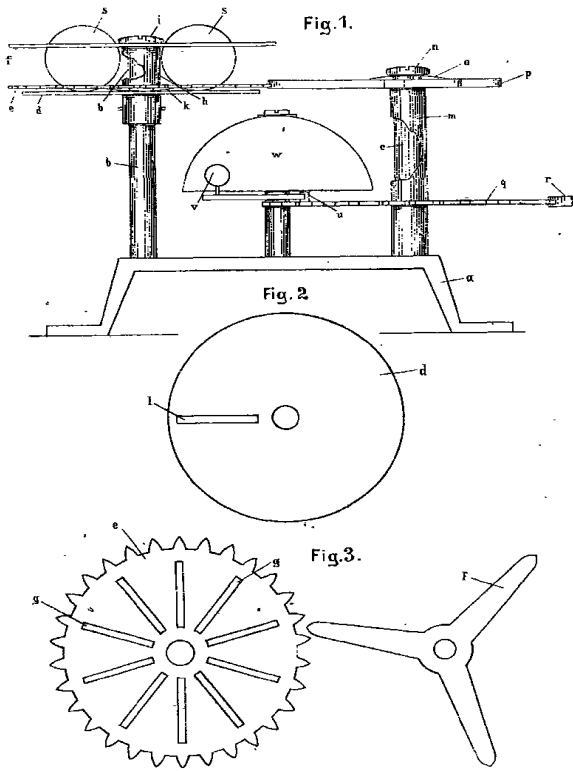
1. In coin-freed apparatus the combination of an ordinary or main delivery apparatus and a secondary delivery apparatus characterized by a rotary disc formed with a number of slots arranged above a stationary disc having a single 30 slot, the rotary disc being operated by the driving mechanism of the automatic apparatus in such a manner that after a number of operations of the automatic apparatus has been indicated as described and illustrated one of the slots is brought in registering position with the slot of the stationary disc and so allows the object to be delivered to fall out.

2. In a coin-freed apparatus as claimed in Claim 1, the arrangement of the 35 stationary disc having a vertical ring inside which the object is placed upon an inclined plane with tendency to escape through side slots but being prevented from doing so by another ring in connection with the stationary disc in which is a single slot for dropping out the object to be delivered.

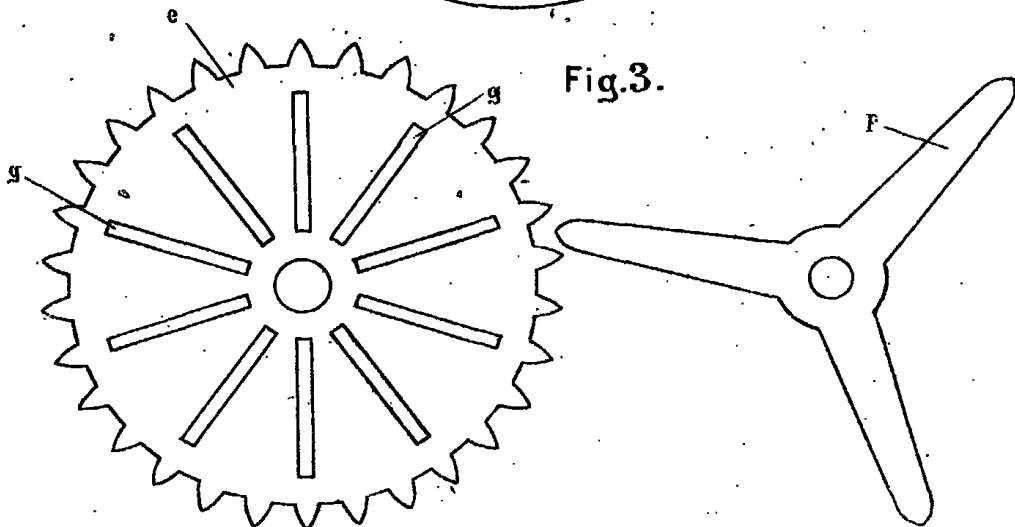
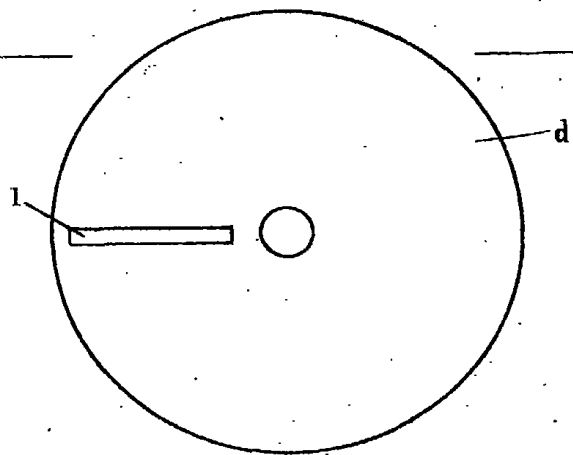
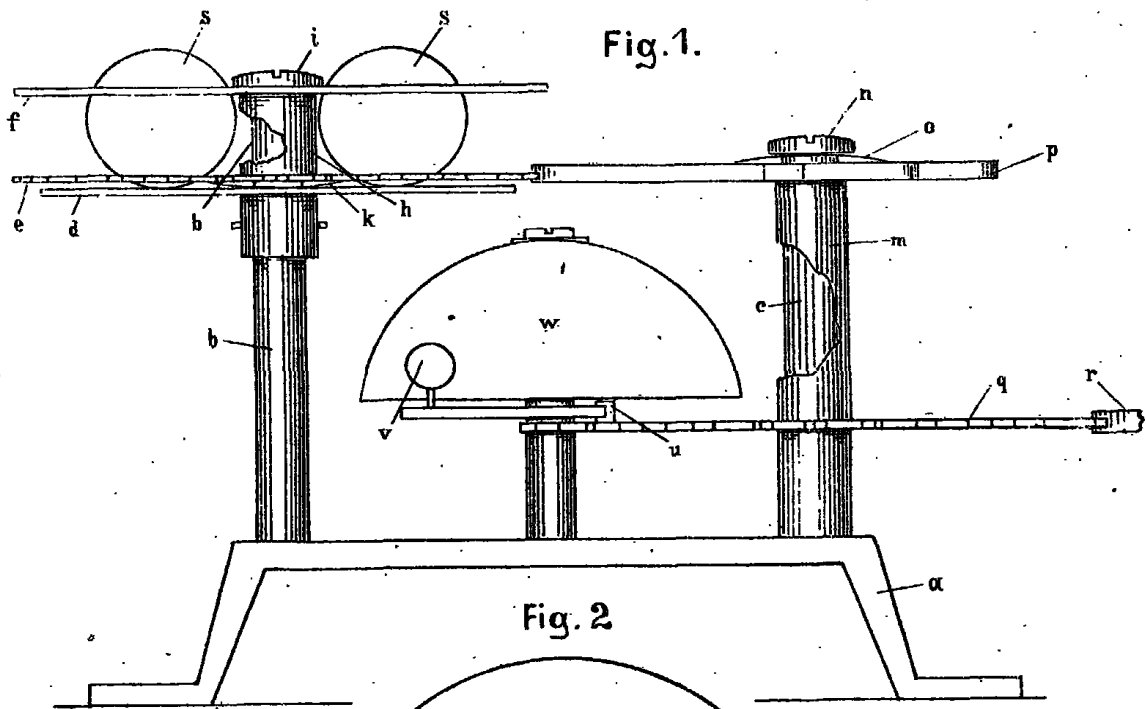
3. In a coin-freed apparatus as claimed in Claims 1 and 2, the arrangement 40 of a border with numbers upon the one disc working side by side with another disc also marked with numbers and geared together in such a manner that the numbers on the two discs at the point where they are in contact together denote and exhibit the number of operations of the secondary delivery apparatus and consequently those of the main (or automatic) apparatus. 45

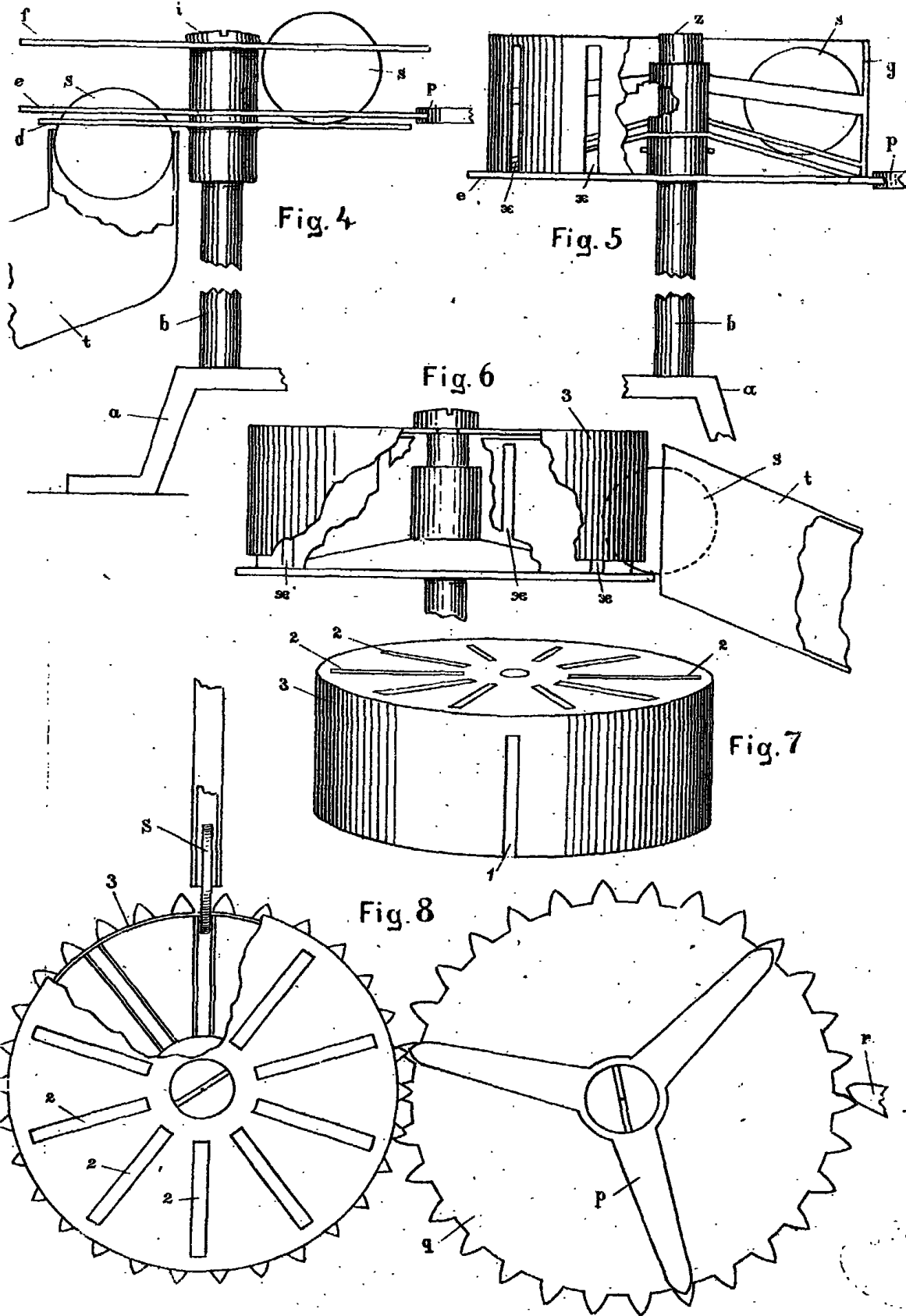
Dated this 1st day of June 1899.

HASELTINE, LAKE & Co.,
45, Southampton Buildings, London, W.C.,
Agents for the Applicant.



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Fig.9

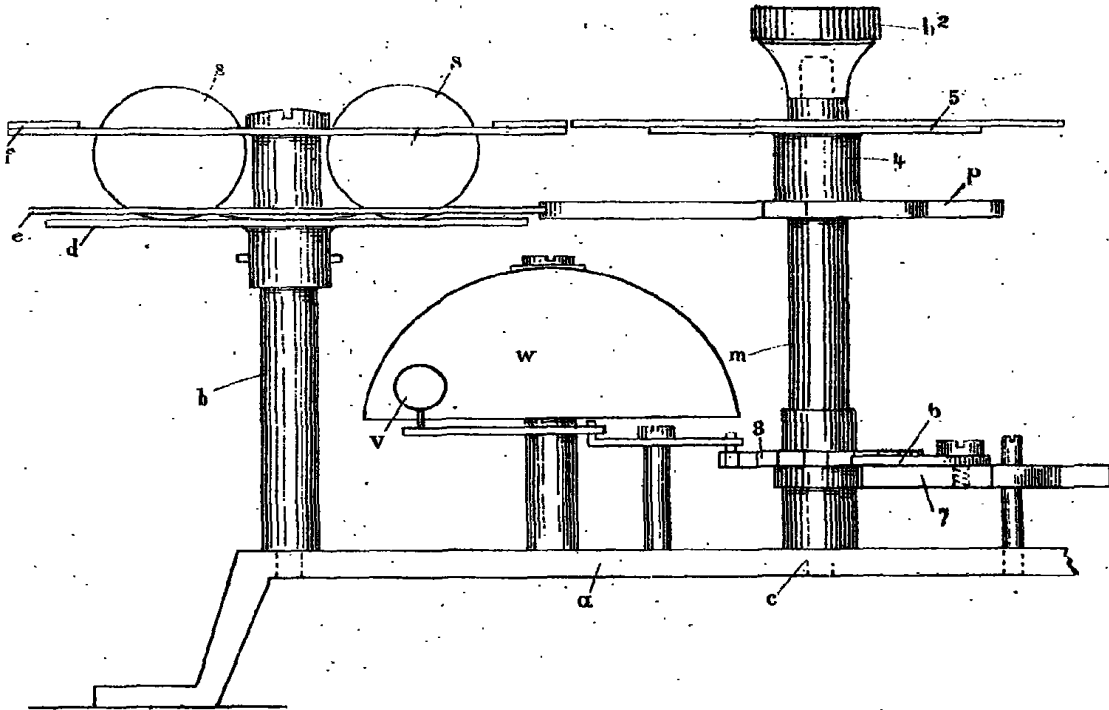
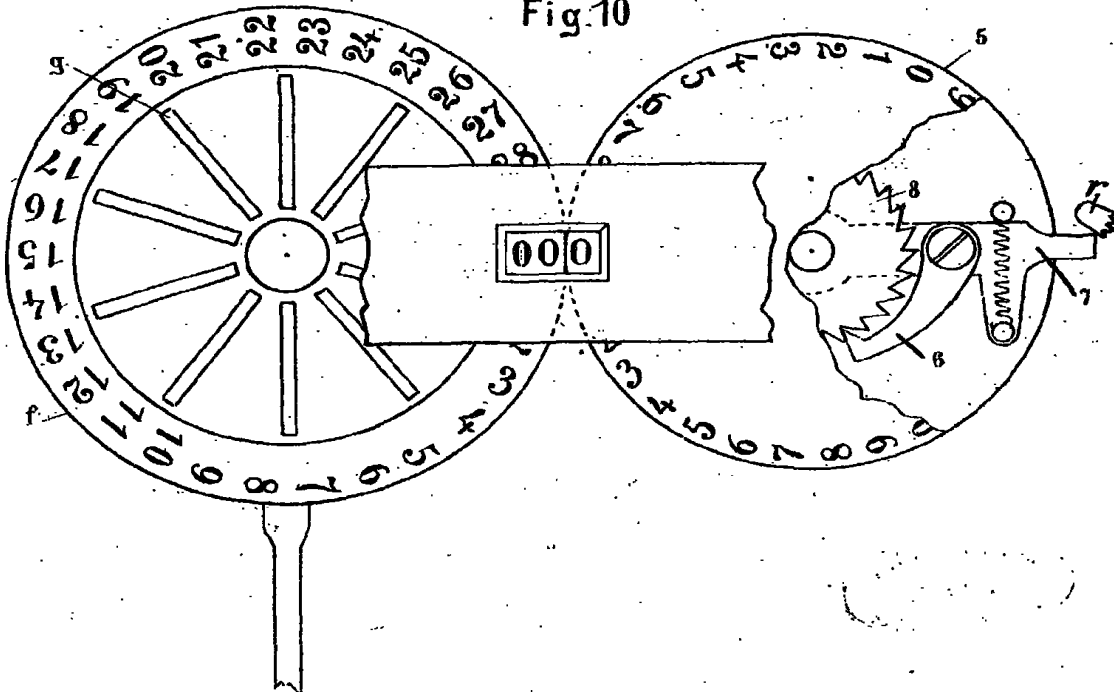


Fig.10



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