

No. 720,456.

PATENTED FEB. 10, 1903.

O. R. MYERS.
CYCLIC BANK AND REGISTER.
APPLICATION FILED SEPT. 13, 1902.

NO MODEL.

Fig. 1.

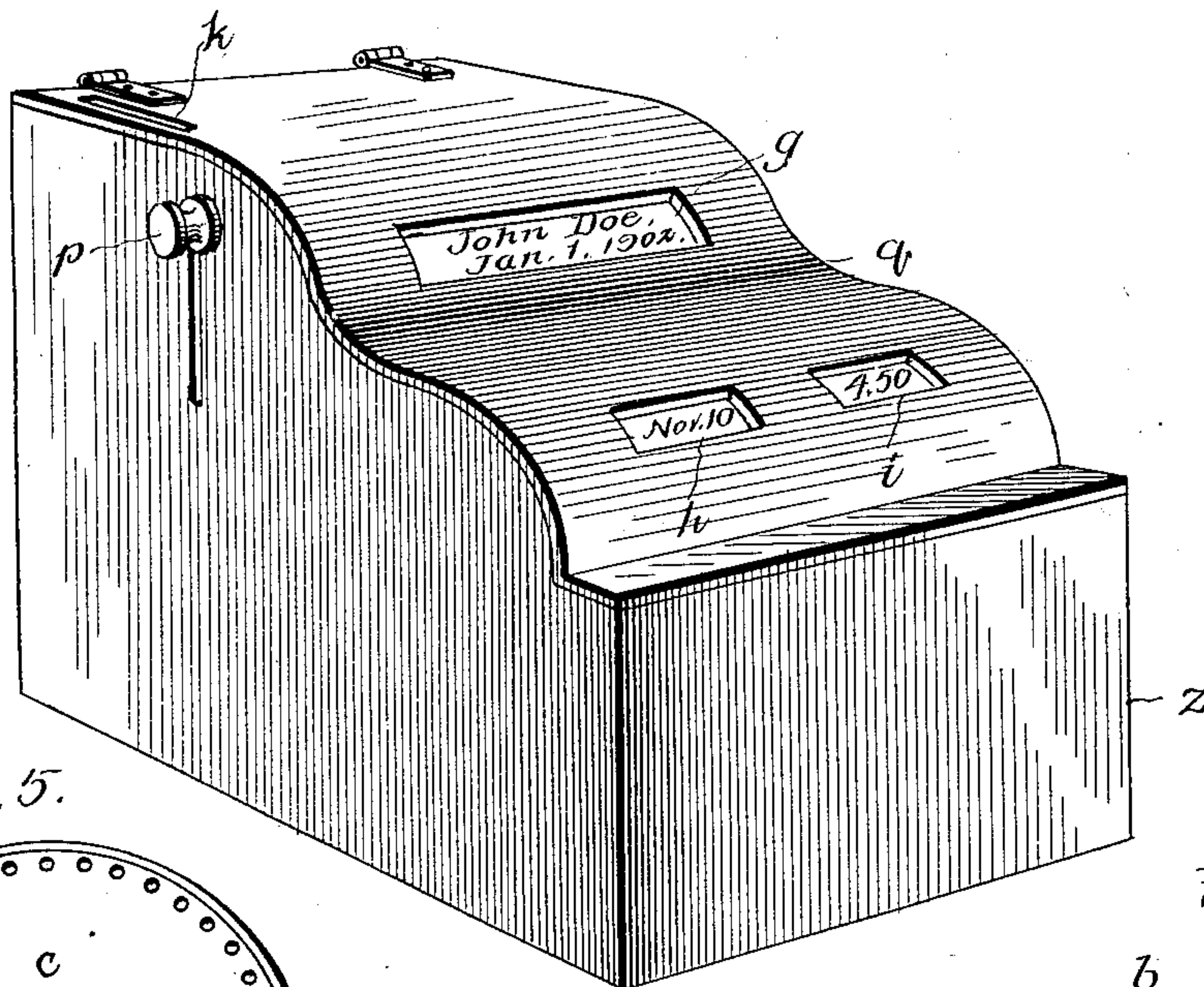


Fig. 6



Fig. 5.

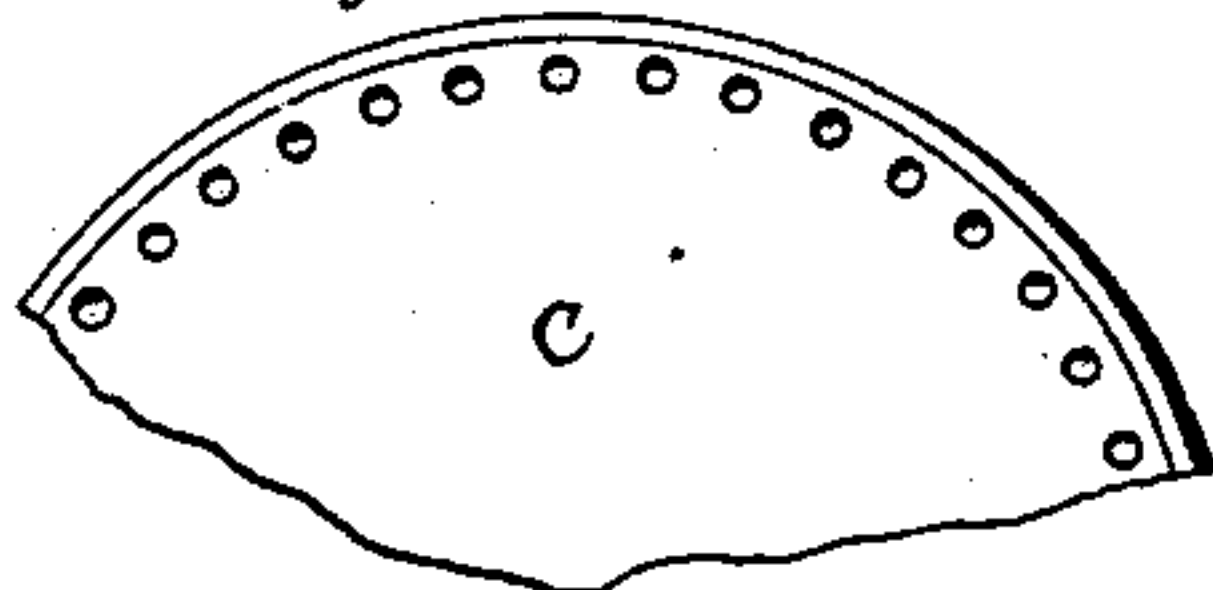


Fig. 3.

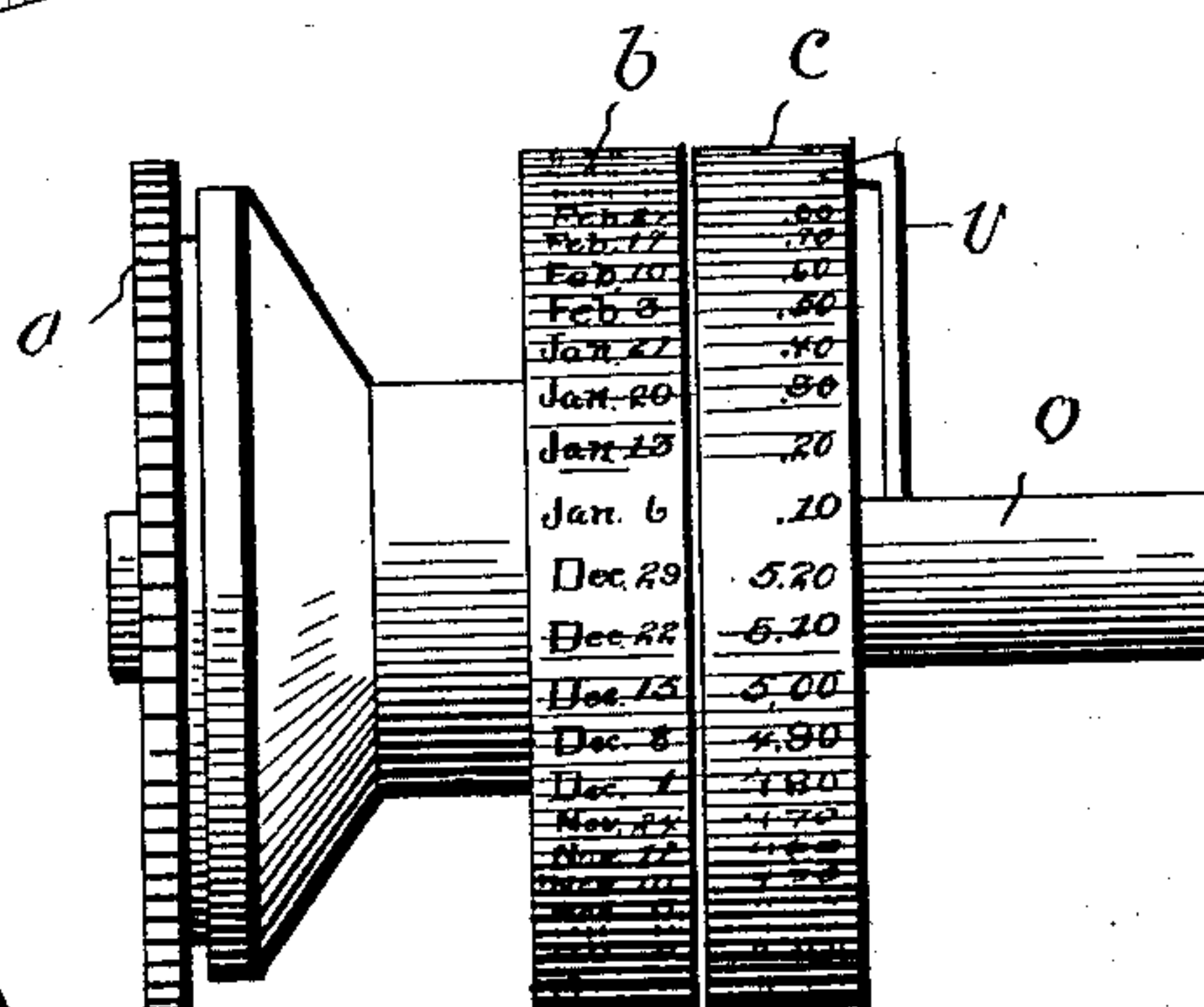


Fig. 2.

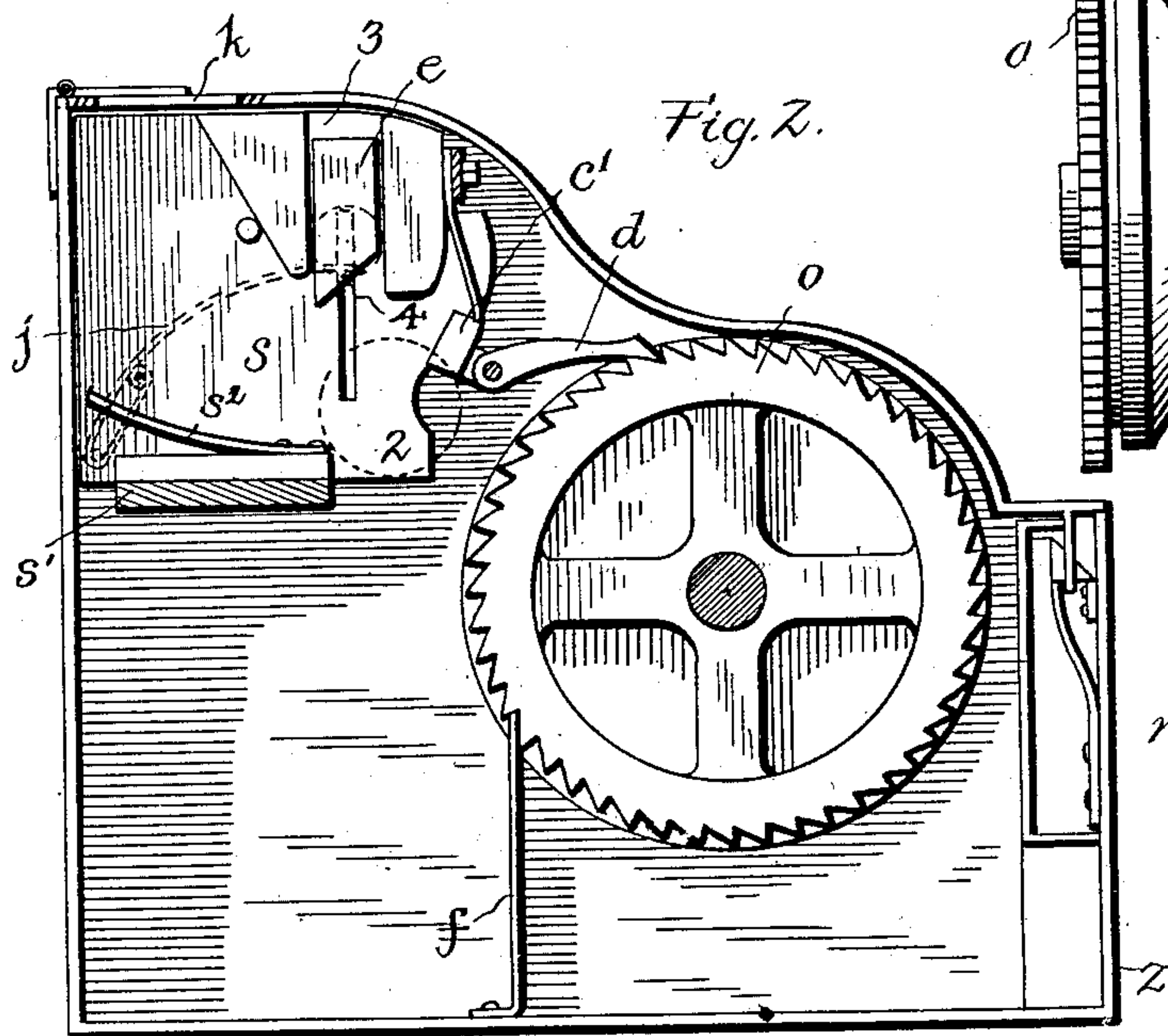
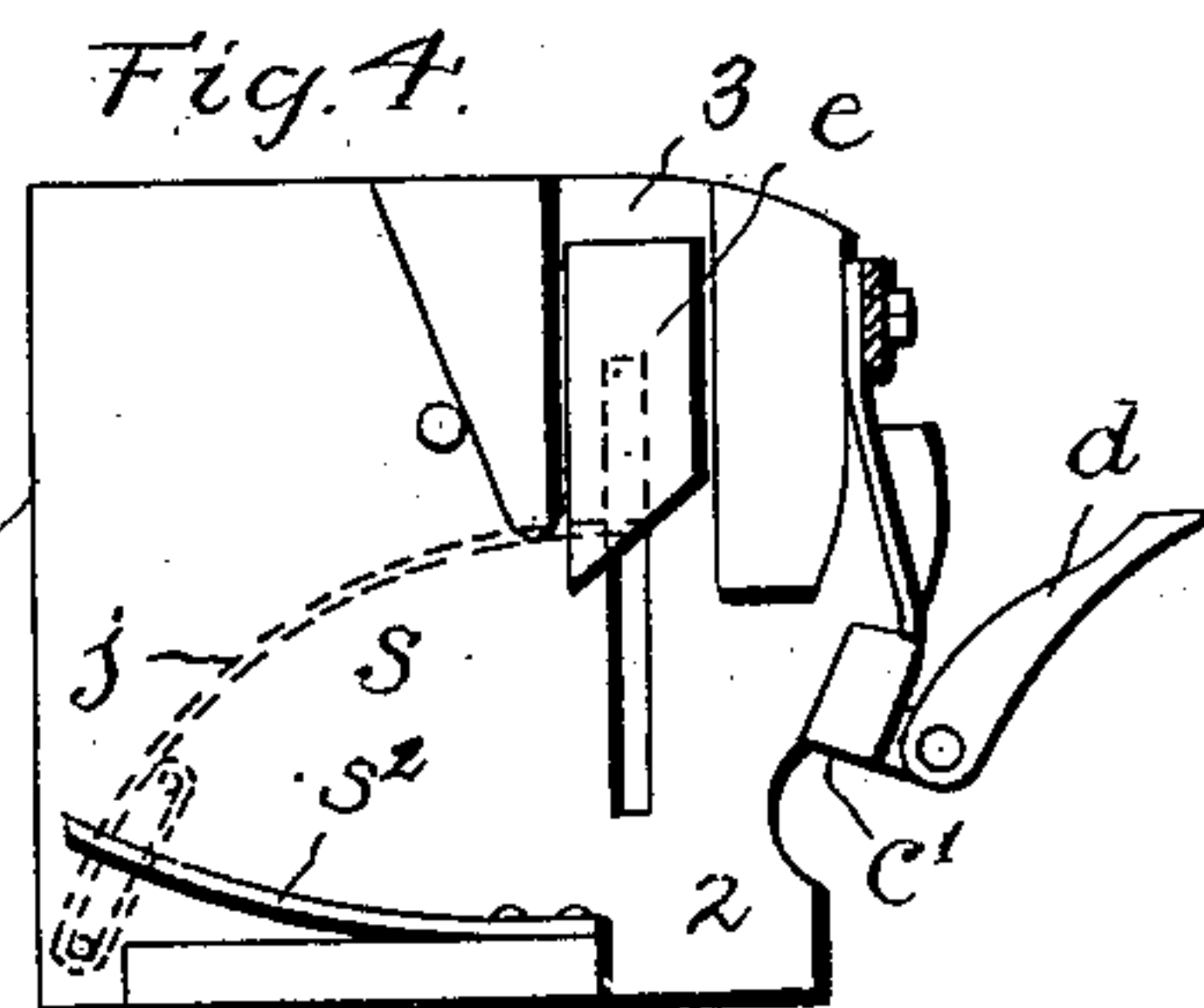


Fig. 4.



Inventor

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Edw. Hudson

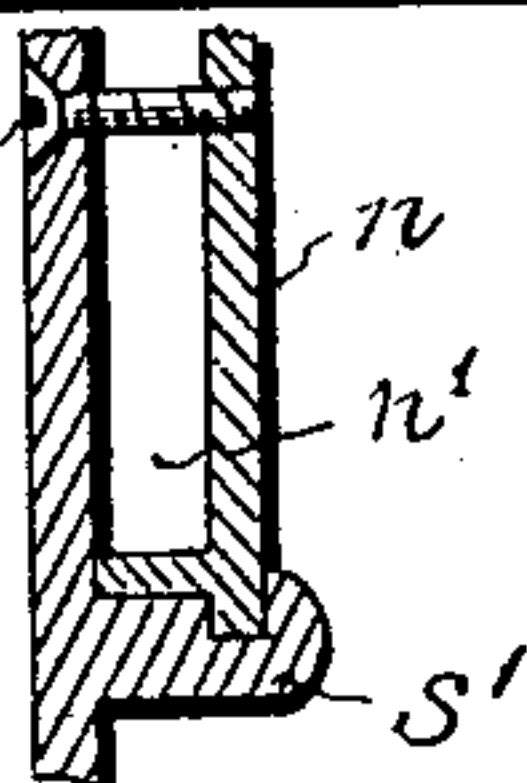
his Attorney;

Witnesses

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Fig. 7.5



UNITED STATES PATENT OFFICE.

ORLANDO R. MYERS, OF WARSAW, ILLINOIS, ASSIGNOR OF ONE-HALF TO
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CYCLIC BANK AND REGISTER.

SPECIFICATION forming part of Letters Patent No. 720,456, dated February 10, 1903.

Application filed September 13, 1902. Serial No. 123,336. (No model.)

To all whom it may concern:

Be it known that I, ORLANDO R. MYERS, a citizen of the United States, and a resident of Warsaw, in the county of Hancock and State of Illinois, have made a certain new and useful Invention in Cyclic Banks and Registers; and I declare the following to be a full, clear, and exact description of the same, such as will enable others skilled in the art to which it appertains to make and use the invention, reference being had to the accompanying drawings, and to letters and figures of reference marked thereon, which form a part of this specification.

Figure 1 is a perspective view of my bank and register. Fig. 2 is a side elevation of the same with one side plate removed. Fig. 3 is a detail front elevation of cylinders *b* and *c* and adjacent parts. Fig. 4 is a detail side view of receptacle-plate *n* and attached parts. Fig. 5 is a detail side view of a portion of the cylinder *c*. Fig. 6 is a detail perspective view of the spring connection of pawl *d* to the casing. Fig. 7 is a detail sectional view illustrating the means for holding the receptacle-plate in position.

The invention relates to a time bank and register chiefly designed for the reception and registration of regular subscriptions of a predetermined coin value; and it consists in the novel construction and combinations of parts, as hereinafter set forth.

In the accompanying drawings, illustrating this invention, the machine is shown adapted to the reception and registration for one year of weekly amounts of ten cents, the dime coins being used in payment and in the operation of the machine; but the machine may be adapted for other coins and a different cycle.

The letter *z* indicates a case or box receptacle provided with a cover *q*, which is designed to have a special lock, whereby it can be securely fastened. The recording-machine is in this manner adapted to be furnished to a weekly subscriber of a daily newspaper for his use in making payments, the key being kept by the payee. In the case are made openings or slots *g*, *h*, and *i*, respectively, adapted to show the amount paid, the time of last payment, and the name of the subscriber.

These slots are provided with transparent plates of celluloid or glass to keep out dust and to prevent manipulation.

The letter *o* indicates a shaft which is provided with two cylinders *b* and *c*, whereof the former carries on its circumference a removable strip of celluloid or paper marked with dates at equal intervals from each other, such intervals in the machine illustrated being seven days or one week, so that the dates shown are weekly, and there are of these dates fifty-two, or the cycle of one year, seven of these strips to accompany each machine, making a series of dates representing seven years. The latter cylinder, which is located alongside the date-cylinder, carries a strip of celluloid or paper marked with amounts from ten cents up to five dollars and twenty cents in succession, such amounts increasing by ten cents, so that there are of such amounts fifty-two, these marked amounts of the sum-wheel corresponding in position to the marked dates of the wheel *b* and having after preliminary adjustment fixed relation thereto. The register-cylinder or sum-wheel *c* is adjustable by means of a spring-clutch *v*, attached to the shaft and engaging said wheel. On the same shaft *o* is secured the ratchet-wheel *a*, which has fifty-two teeth and is operated by means of a pawl *d*, which is pivoted to a flanged or hooded movable push-piece *c'*, which has a spring connection to the receptacle-plate *n* and is in line with a receiving-way *s*, usually provided with a spring *s*² to insure the movement of a coin dropped through the slot *k*. This receiving-way is short, leaving an interval at 2 between its end and the push-piece *c'*, which is not sufficient to allow the coin to slip down into the reservoir in the lower part of the case when the push-piece is in its normal position, but is extended when said push-piece is moved forward to operate the shaft *o* sufficiently to allow the coin to fall between said push-piece and receiving-way.

A plunger-slide *e*, having a knob *p*, is seated in a slot or aperture 3 of the case and has a beveled edge 4, designed when the coin has come to rest against the push-piece to engage the side of said coin on the rim above its center and push such coin forward, thereby mov-

ing the push-piece forward and operating the pawl to move the ratchet-wheel the distance of one tooth, thus registering the coin and the date, both of which will at once show
 5 through their respective apertures in the casing. The coin then falls into the reservoir. A spring j , which may be located behind the plate n in the interval n' , (see Fig. 7,) between the same and the side wall of the casing,
 10 ing, serves to return the plunger automatically to normal position after the operation. A spring f serves to fix the adjustment of the ratchet-wheel, and thereby of the date-cylinder and the sum-wheel, after the plunger has
 15 returned to position. These operating parts—that is to say, the receiving-way, plunger, push-piece, and pawl and the springs thereof—are usually attached to a receptacle-plate n , which is removable and is held in position
 20 by a lug s' and a screw 5.

To operate this machine, a coin (in the machine illustrated a dime) is dropped into the coin-slot, falling on the spring s^2 and rolling down, engaging the push-piece, to which the
 25 pawl is attached. The depositor then pushes down the plunger against the coin, which causes the push-piece to yield and the pawl to move the ratchet-wheel and rotate the same one tooth, when the interval between said
 30 push-piece and the springway is enlarged enough to let the coin fall into the reservoir below. The passing of the coin releases the push-piece, whose spring returns it to normal position, the pawl coming into engagement
 35 with the next falling tooth of the ratchet-wheel. The plunger returns to its normal position by operation of its spring j . This operation moving the ratchet-wheel the distance of one tooth also moves the date-wheel
 40 forward one step, exposing the date of proper deposit, and the sum-wheel one step, exposing the full amount paid in. The adjusting-spring, placed below the center of the ratchet-wheel, reacts thereon to adjust its position to

expose the date and amount in a proper manner through their respective apertures in the casing. 45

The machine may be adapted for other coin payments and other intervals of time, the object being to keep a record of fixed payments
 50 by fixed dates. It is adapted chiefly to collecting and registering an installment account when the amount of the installment can be represented by a single coin agreed upon with relation to any multiple of time. 55

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

1. A coin-slot cycle bank and register, having its sum-wheel and date-wheel on the same
 60 shaft, and an adjusting device, whereby said sum-wheel and date-wheel are positively adjusted to fixed position with relation to each other and to said ratchet-wheel, substantially as specified. 65

2. In a cycle coin-slot registering-machine, the combination with a ratchet-wheel, a date-wheel and an adjustable sum-wheel, of a shaft carrying such wheels, a plunger, a spring-carried pawl, and a coin-receiving way, and a
 70 closed case having a coin-slot, and show-apertures for the date and amount, substantially as specified.

3. In a cycle coin-slot registering-machine, the combination with a ratchet-wheel, a date-wheel, and a sum-wheel, of a shaft carrying
 75 such wheels, a plunger, a flanged push-piece, its spring and pawl, a receiver-way, a spring-adjusting clutch for said sum-wheel, and a closed case having a coin-slot and show-apertures for the amount and date, substantially as specified. 80

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

ORLANDO R. MYERS.

Witnesses:

CHAS. A. WARNER,
 LOUIS LOMET.