

(No Model.)

C. M. GARLAND.
TOY BANK.

No. 467,404.

Patented Jan. 19, 1892.

Fig. I.

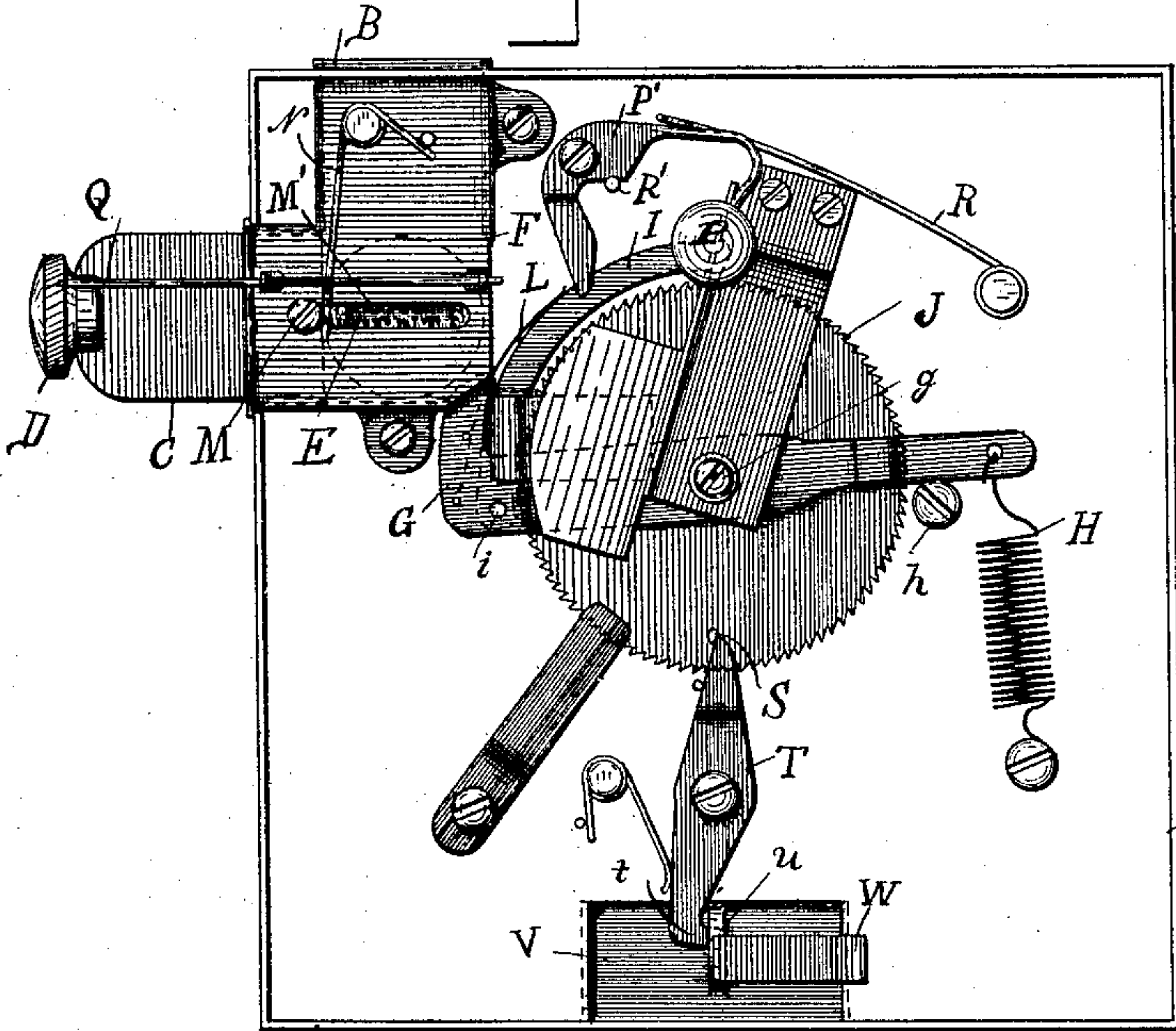
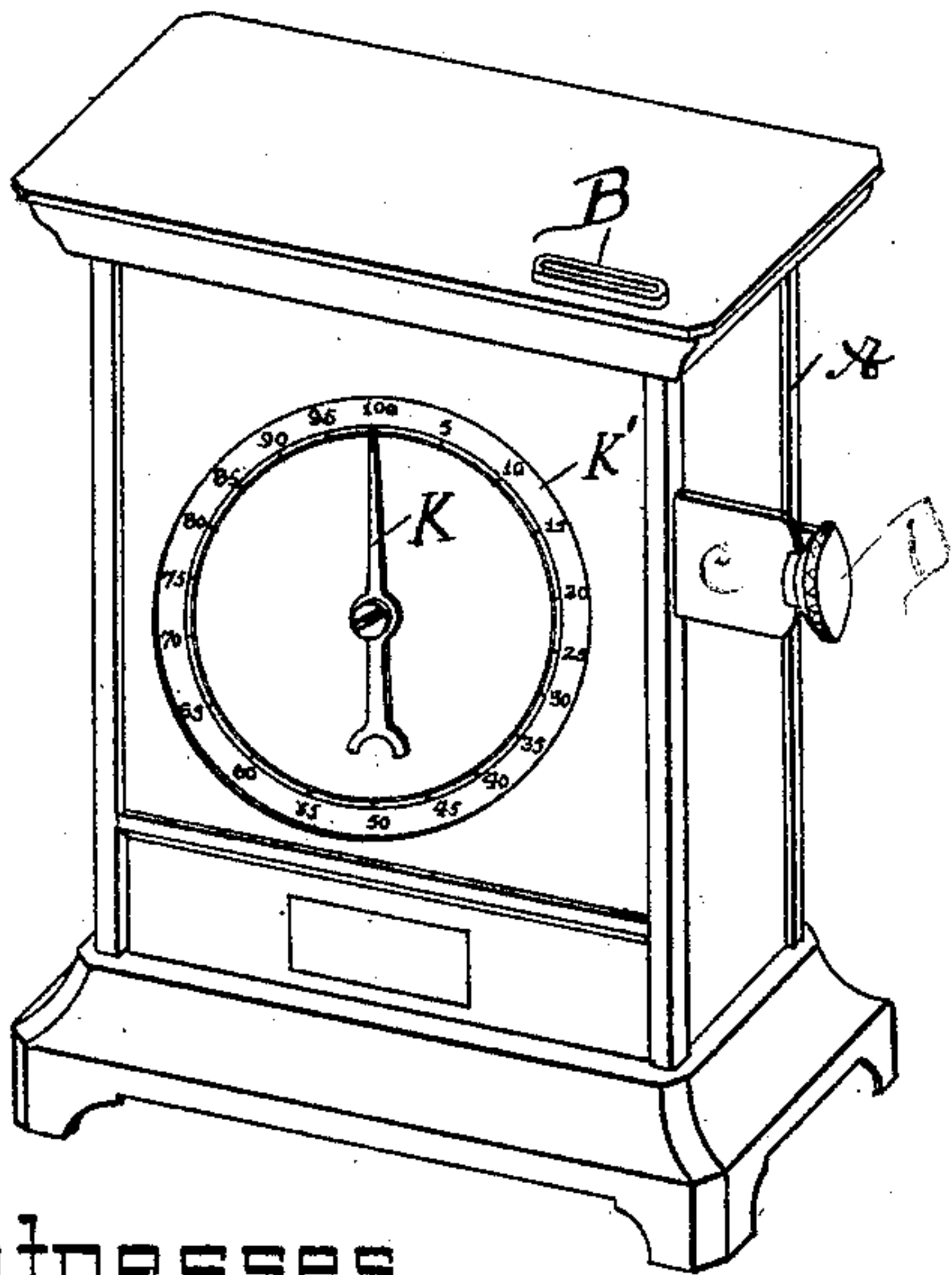


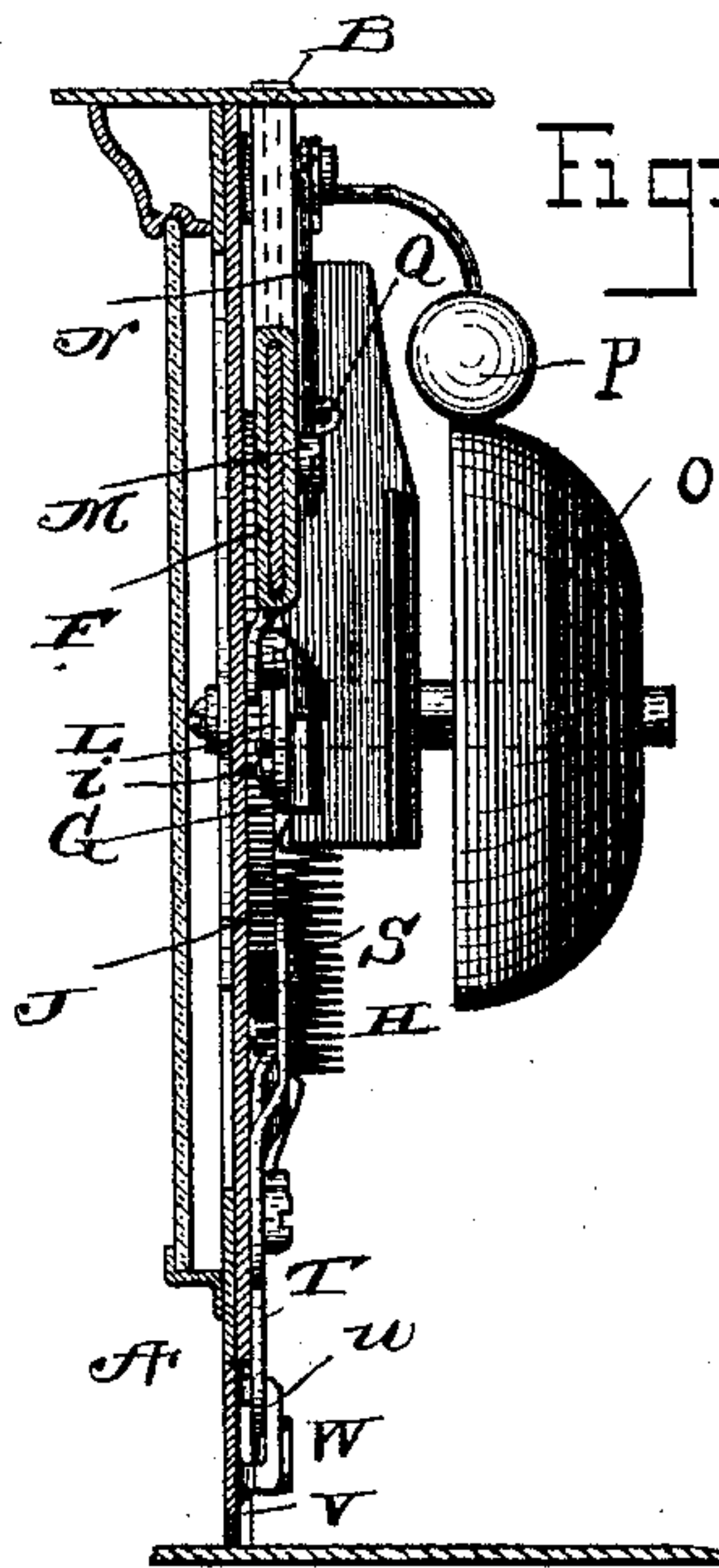
Fig. III.



Witnesses

Sillie Hanna
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Fig. II.



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UNITED STATES PATENT OFFICE.

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TOY BANK.

SPECIFICATION forming part of Letters Patent No. 467,404, dated January 19, 1892.

Application filed May 8, 1891. Serial No. 392,063. (No model.)

To all whom it may concern:

Be it known that I, CHARLES M. GARLAND, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Toy Registering-Banks, of which the following is a specification.

My invention relates to a bank or receptacle in which coins of any predetermined denomination are deposited, and which is also provided with means for registering said coins, one by one, and which is adapted also to ring a bell simultaneously, all of which will be hereinafter specifically described in connection with the drawings, and the novel features which I claim as my particular invention pointed out in the claim.

Referring to the accompanying drawings, which form part of this specification, Figure I represents a cross-section of one of my improved toy banks; Fig. II, a transverse section on the line II II, Fig. I; Fig. III, a perspective view of the bank complete.

In the drawings, A represents a box or receptacle, which constitutes the frame of the operating mechanism and also forms a chamber for the reception of the coins.

B is a slot or opening at the top, near the front and one side of the receptacle, through which the coins are dropped.

C is a plunger having a thumb-piece D, which when thrust inwardly ejects the coin E, located in the vertical chamber F, and which when so projected bears against a swinging lever G, hung at *g* and controlled by spring H and locked against said spring by means of a stop-screw *h*. Pivoted at *i* to the lever G is a dog I, which engages with the ratchet-wheel J, to which is fastened the finger K of the indicator K'.

When the plunger C is thrust inward, forcing the coin from the chamber F, the said coin will bear against the head of lever G, which action will cause the said lever to be depressed, carrying with it the dog I, and that in turn throwing the ratchet-wheel J. When the coin leaves the chamber F it drops into the bottom of receptacle A and the parts above described return, with the exception of the ratchet-wheel J, to their normal operative position.

A spring-piece L serves to keep the dog I

in contact with the ratchet-wheel J, and a stud M is provided on the plunger C, which extends through the slot M' from the chamber F, and a spring N bears against the stud M, causing the plunger C to be returned to its normal position when released by the removal of the hand-pressure.

A bell O is provided, which, in connection with the sounder P and supported by a spring-lever P', is adapted to give an alarm when the plunger is thrust inward by means of the rod Q coming in contact with the lever P'. A spring R serves to throw the sounder when the lever P' is released, and a stop R' is provided for retaining the lever P' in its proper position.

Upon the ratchet-wheel J is a stop S, which after one complete revolution of the ratchet-wheel comes in contact with the tripping-lever T, having at its lower end a tooth *t*, which engages with a catch U upon a cover V.

The operation is as follows: Assuming that the toy bank is to be operated by ordinary pennies, the indicating-finger K is set at cipher, and the coins when depositing will cause the ratchet-wheel J and the indicating-finger to turn one point at a time until the finger points to the hundredth mark, at which time the stop S will simultaneously reach the tripping-lever T, and when the hundredth penny is deposited will press against said tripping-lever and cause the tooth to be withdrawn from the keeper U, and the cover V, being pressed upwardly by the spring W, will drop forward and permit the coins deposited in the bank to drop out.

Having thus described my invention, the following is what I claim as new therein and desire to secure by Letters Patent:

In a toy registering-bank, the receptacle A, a chamber F, having a slot B, a plunger C, a ratchet-wheel J, swinging lever G, and tripping-dog I, all adapted to operate substantially as shown and described, in combination with the bell O, the spring-lever P', sounder P and rod Q upon the plunger C, the withdrawing-spring H, and the coin-releasing lever T, as set forth.

CHARLES M. GARLAND.

Witnesses:

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