

(No Model.)

J. S. CAPERS.

FARE BOX.

No. 359,346.

Patented Mar. 15, 1887.

Fig. 1.

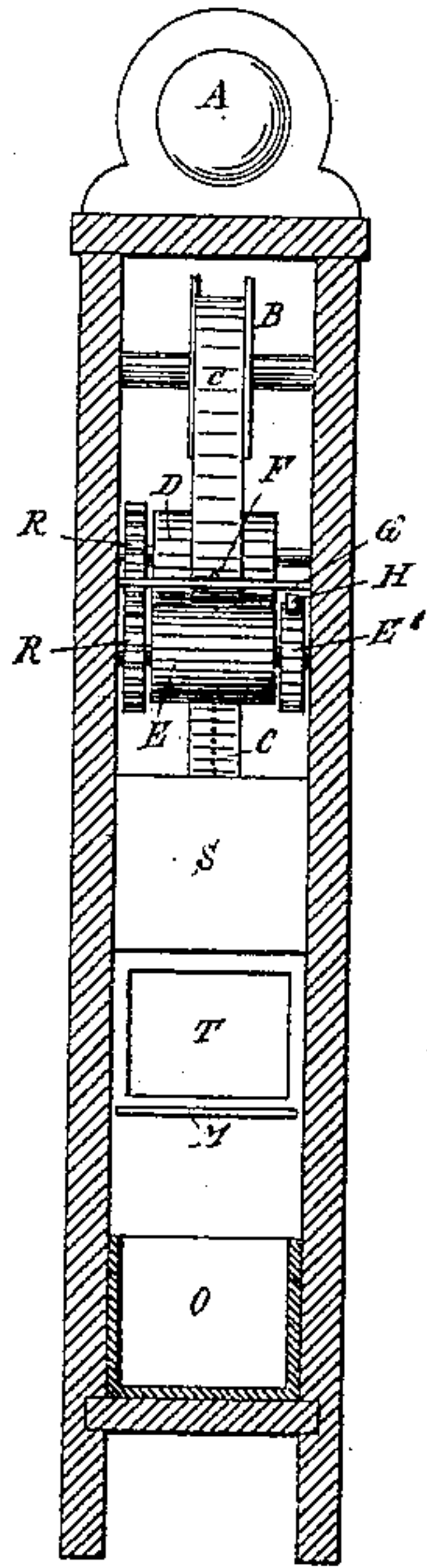
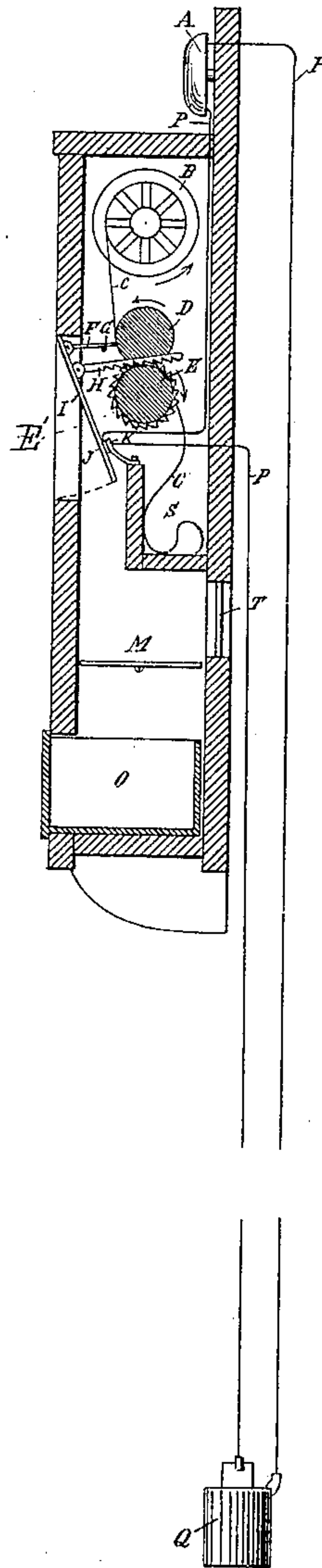


Fig. 2.



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UNITED STATES PATENT OFFICE.

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FARE-BOX.

SPECIFICATION forming part of Letters Patent No. 359,346, dated March 15, 1887.

Application filed May 20, 1886. Serial No. 202,732. (No model.)

To all whom it may concern:

Be it known that I, JOHN SINGLETARY CAPERS, a citizen of the United States of America, residing at New Orleans, in the parish of Orleans and State of Louisiana, have invented certain new and useful Improvements in Fare-Boxes, of which the following is a specification, reference being had therein to the accompanying drawings.

10 The object of my invention is to combine with a fare-box for street-cars and the like means whereby at the insertion of each fare a bell in circuit with an electric battery is caused to sound, and at the same time a perforation is made by means of a needle in a register-strip contained within the box and fed automatically from the roller upon which it is wound with each inward movement of the flap-door covering the inlet-opening.

20 In the accompanying drawings, illustrative of my invention, Figure 1 represents a front interior view of my fare-box, partly in section. Fig. 2 represents a side interior view, also partly in section.

25 Similar letters of reference indicate similar parts.

The main body of the fare-box is of the ordinary construction, provided with the receiving-drawer O, and pivoted drop M, and glass-covered inspection-opening T. At its upper portion is located the spool or drum B, upon which is wound the paper strip c. This strip passes between feed-rollers D E, and a receptacle, S, is provided for receiving it from said rollers. The feed-rollers are provided with the intermeshing cogs R R, and the lower one, E, with the ratchet-teeth E'. To the rear of the flap I, covering the inlet-opening of the fare-box, are connected the rack H, engaging with the ratchet E', and the needle perforator F, supported at its inner end upon the cross-bar G. A bell, A, in circuit with the battery Q, is located at the top of the box. The circuit is normally open, the metal contacts J K, one of

which is attached to the flap I and the other 45 to the receptacle S, being separated when the flap hangs in its ordinary position covering the inlet-opening.

The operation of my invention is as follows: When a fare is inserted, flap I is pushed inward until contact is made between J and K, thereby closing the battery-circuit and ringing the bell. At the same time the rack-bar H engages with the teeth of the ratchet E' and revolves the roller E, which in turn, by means 55 of the cogs R R, revolves the roller D in an opposite direction, thereby feeding off the strip c for a definite length from the drum B. At the termination of this feeding movement the needle perforator F strikes the strip and 6c punctures a small hole in it, thereby registering the fare.

I am aware that it is not broadly new to arrange a bell in circuit so as to be rung at the insertion of a fare, and I do not broadly claim 65 such as my invention; but

What I do claim, and desire to secure by Letters Patent, is—

1. In a fare-box provided with an inlet-opening, the combination, with the flap-door I, 70 having the needle perforator F and rack-bar H attached thereto, of the feed-rollers D E, having the intermeshing cogs R R and ratchet-wheel E', the paper strip c, and the drum B, substantially as described. 75

2. In a fare-box provided with an inlet-opening, the combination, with the bell A, conductor P, and battery Q, of the flap-door I, having the contact J, the paper strip, needle perforator, and the receptacle S, having the 80 contact K, substantially as described.

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

JOHN SINGLETARY CAPERS.

Witnesses:

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