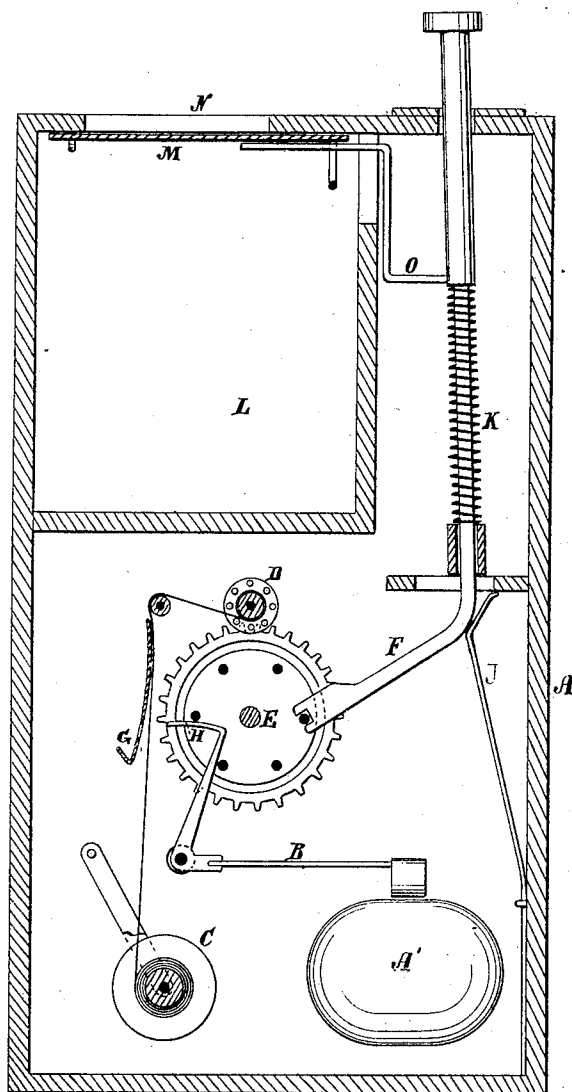


E. H. SCHNELL.

RECORDING AND SIGNAL FARE-BOX.

No. 170,022.

Patented Nov. 16, 1875.



WITNESSES:

A. Benneken & Co.
A. F. Terry

INVENTOR:

E. H. Schnell

BY

Munn & Co.

ATTORNEYS.

UNITED STATES PATENT OFFICE.

EDWARD HENRY SCHNELL, OF SOUTH NORWALK, CONNECTICUT.

IMPROVEMENT IN RECORDING AND SIGNAL FARE-BOXES.

Specification forming part of Letters Patent No. **170,022**, dated November 16, 1875; application filed March 20, 1875.

To all whom it may concern:

Be it known that I, EDWARD HENRY SCHNELL, of South Norwalk, in the county of Fairfield and State of Connecticut, have invented a new and Improved Recording and Signal Fare-Box, of which the following is a specification:

My invention consists of a recording and alarm fare-box, in which the record is made by punctures or slits formed in a piece of paper at the same time that the signal is sounded, and there is also a separate compartment in the case of the instrument for depositing tickets as they are collected by the conductor, with a door which only opens when the signal and recording devices are actuated, so that in order that the tickets shall agree with the record the conductor will be obliged to collect and deposit all the tickets; but for horse-cars where tickets are not given out this ticket-compartment may be dispensed with.

The drawing is a sectional elevation of my improved fare-box.

A represents the box, which contains a signal-bell, B, hammer C, paper-carrying rollers C D, actuating-wheel E, and push-pawl F, by which the signal is given, and at the same time the paper is moved along the rest G, and perforated by a point, H, the point being on

one of the arms of the bell-hammer. J is a spring for throwing the push-pawl onto the actuating-wheel, and K is a spring for throwing up the pawl. The case A also contains a compartment, L, for tickets, having an inside door, M, for closing the opening N, through which the tickets are dropped, and the arm O of the push-pawl closes it when the spring K throws the pawl back at each operation, so that the tickets can only be dropped in when a signal is given and a record made.

In practice the perforator will be arranged with a cutting-edge, so as to slit the paper, which moves along it while it is in the paper.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. The puncturing device, formed on or connected with the arm of the signal-hammer, substantially as specified.

2. The combination, with bell-hammer and rolls, of the wheel E, push-pawl F, rest G, point H, and springs J K, all substantially as shown and described.

EDWARD HENRY SCHNELL.

Witnesses:

T. B. MOSHER,
ALEX. F. ROBERTS.