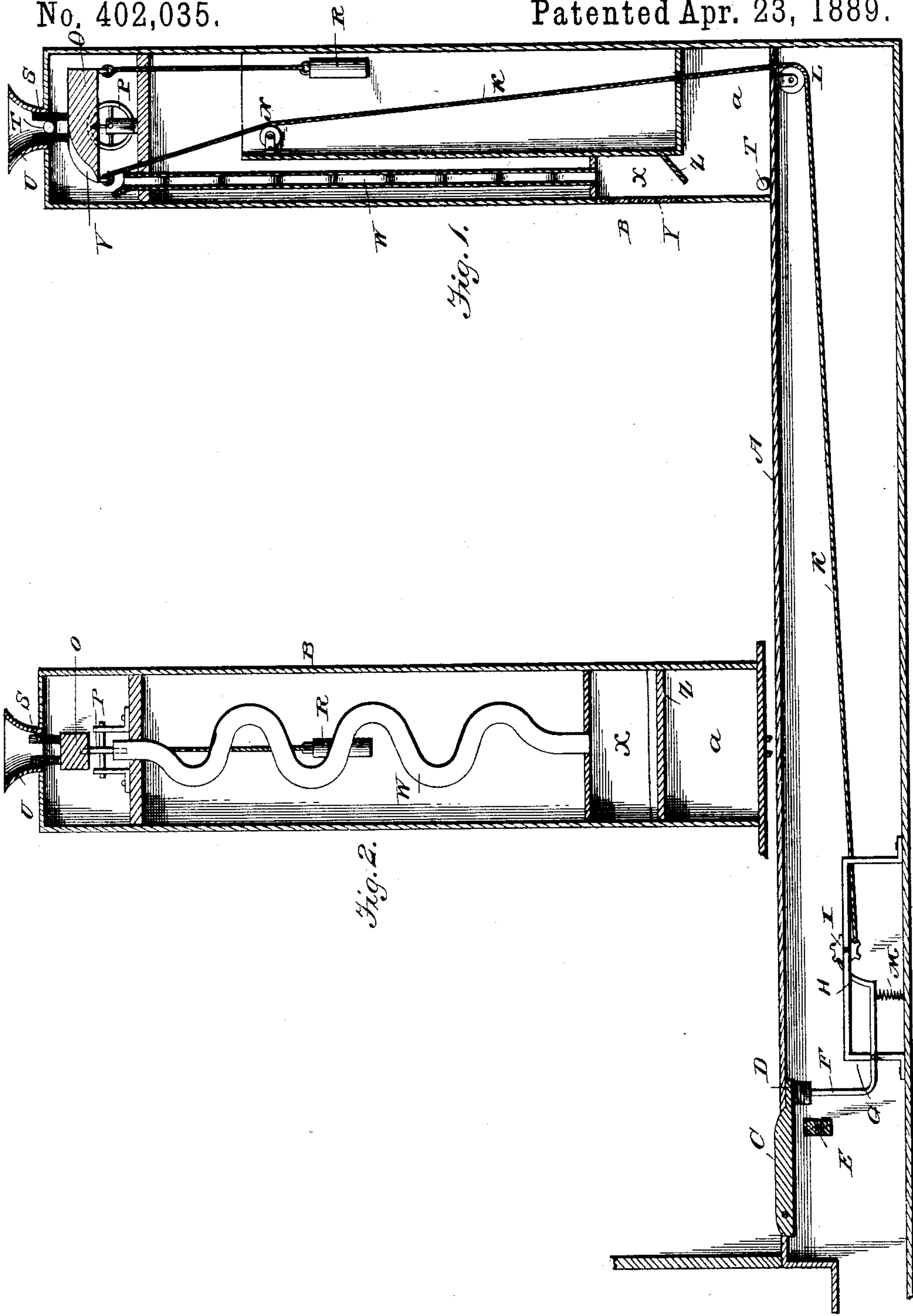


(No Model.)

A. ROMAIN.
PASSENGER REGISTER.

No. 402,035.

Patented Apr. 23, 1889.



Witnesses:

"Ashill"
James Sheehy

Inventor:

Arnold Romain.

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UNITED STATES PATENT OFFICE.

ARNOLD ROMAIN, OF NEW ORLEANS, LOUISIANA.

PASSENGER-REGISTER.

SPECIFICATION forming part of Letters Patent No. 402,035, dated April 23, 1889.

Application filed April 9, 1888. Serial No. 270,117. (No model.)

To all whom it may concern:

Be it known that I, ARNOLD ROMAIN, a citizen of the United States, residing at New Orleans, in the parish of Orleans and State of Louisiana, have invented certain new and useful Improvements in a Fare-Register; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in registering devices, and its object is to render such registration entirely automatic.

The invention consists in certain constructions and arrangements of parts hereinafter set forth.

In the drawings, Figure 1 is a longitudinal vertical section of the device as applied to a car, and Fig. 2 a vertical cross-section of the ball-box.

A is the car-floor, and B an upright case of any desired size, and preferably placed at one end of the car. Near the car-door is a trap, C, in the floor, and having pivots near one end, so that when a person steps on the trap the other end will sink. The end opposite the pivots is provided with a portion, D, extending under the car-floor to prevent the trap from moving above the floor-level. Beneath the free end of the trap is a transverse bar, E, which serves as a stop to limit its downward movement. Under the extension D is one end of a bent lever, F, having its fulcrum in a frame, G, and having the other end provided with a finger, H, to engage the teeth of a wheel, I, on a shaft journaled in the said frame. The downward movement of the lever F is opposed by a string, which returns the lever and trap to their normal position when pressure is relieved. Attached to the shaft so as to be wound thereon when the wheel is turned is a cord, K, which extends under the car-floor around a pulley, L, upward through the box or case B, over a pulley, N, to one end of a tilting table, O, at the top of the said case. This table O is supported on a wheel, P, so as to rest above the pivot, and has a weight, R, depending from the end opposite that to which is fastened the cord K. Depending from the hopper U are guides S, to receive balls, as T, and conduct them to a groove, V, in the table O. These guides

the proper movements of the table O. Beneath the said front corner of the table is a chute, W, preferably zigzag, so as to retard the downward movement of the ball. The chute opens at its lower end into a passage, X, having a glass front, Y, and an inclined shelf, Z, which will also retard the ball while in the glass-faced passage, so that it may be readily seen. From the passage X the ball falls into a receptacle, a.

When a passenger enters the car, he steps on the trap and depresses it, which movement causes the lever to tilt on its fulcrum and turn the wheel I and its shaft. This operation winds the rope K on the said shaft, thereby tilting the table O and causing a ball to roll down the groove V to the chute W, and thence through the passage X to the receiver a. When the pressure is removed, the spring M returns the lever and platform to normal position and the weight R returns the table, cord, and wheel I to normal position.

When the passenger gets off the car, the same operation is repeated, so that at the end of a trip the number of balls in the receiver a should be double that of the fares collected.

It is obvious that other devices than balls may be used otherwise than on cars.

Having described my invention, what I claim is—

1. An automatic register consisting of a box or case, B, the weighted tilting table O, the receptacle and chute leading from the table to the receptacle, the trap C, lever F, wheel I and its shaft, and the cord connecting the shaft and table O, substantially as and for the purpose specified.

2. An automatic register consisting of the box B, grooved and weighted tilting table O, zigzag chute W under one end of the table, the cord K, connected to the table, the wheel I and its shaft, to which the cord is attached, the bent lever F, acting on the wheel, and the trap C, all constructed substantially as specified.

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

ARNOLD ROMAIN.

Witnesses:

JOSEF ROMAIN,
PERCY D. PARKS.