

W. HELFRICHT.  
PASSENGER REGISTER.

No. 61,065.

Patented Jan. 8, 1867.

FIG. 2.

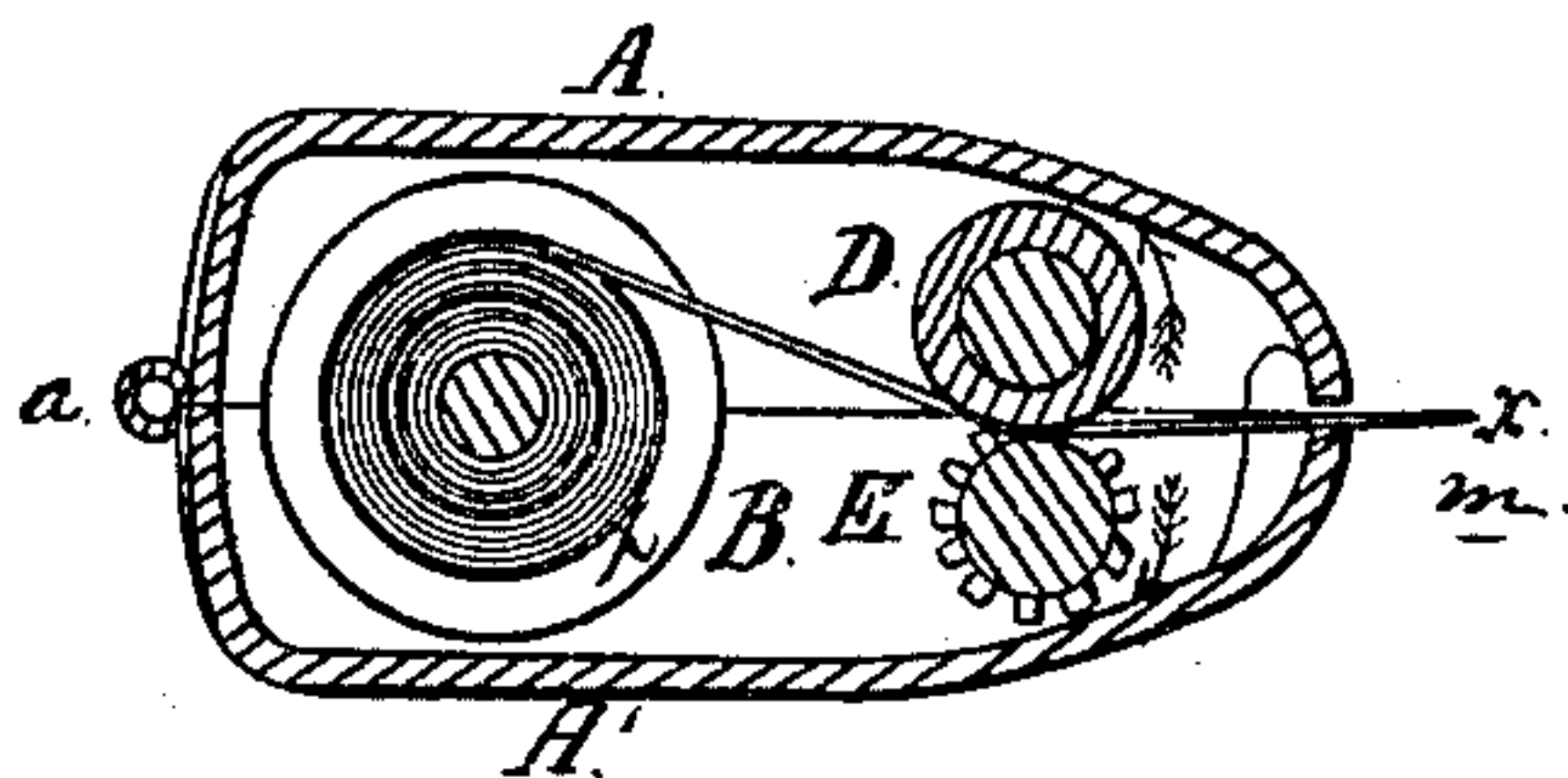


FIG. 1.

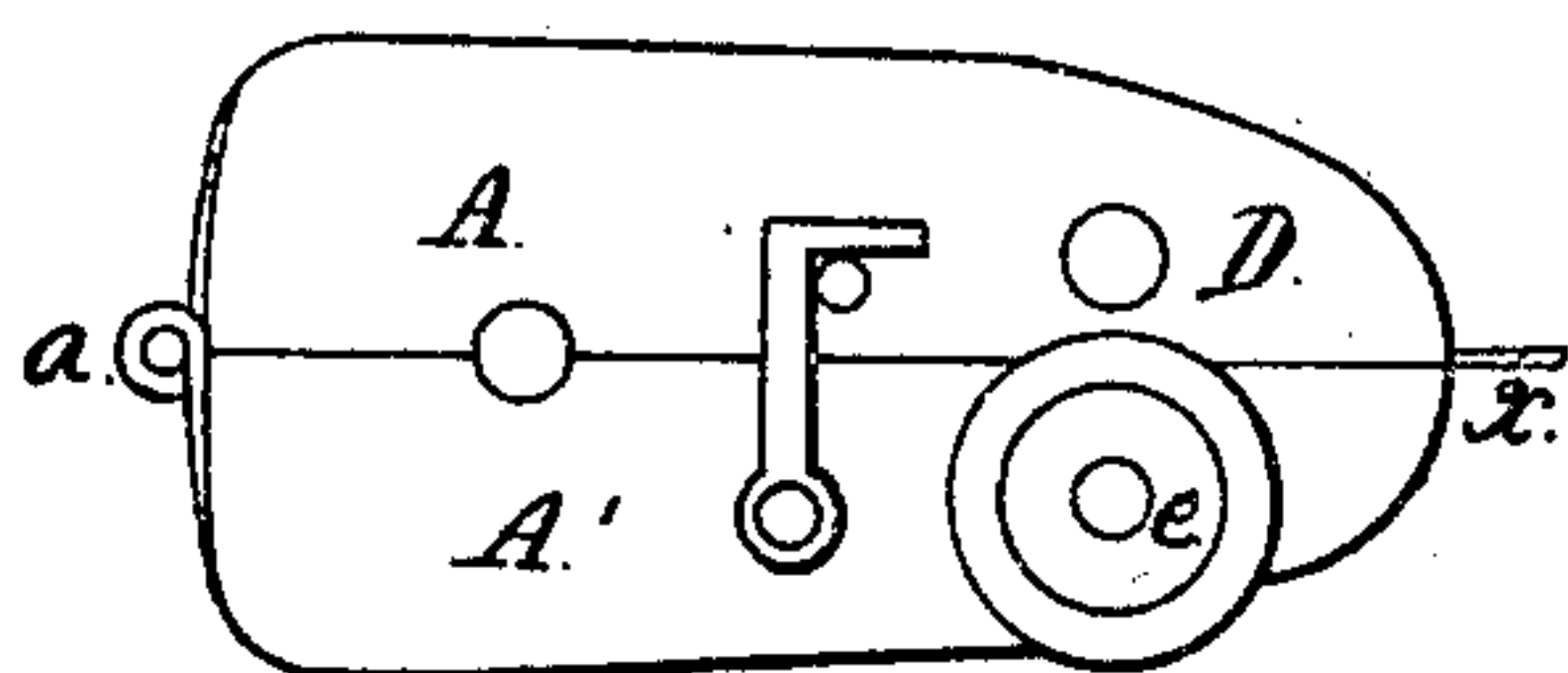
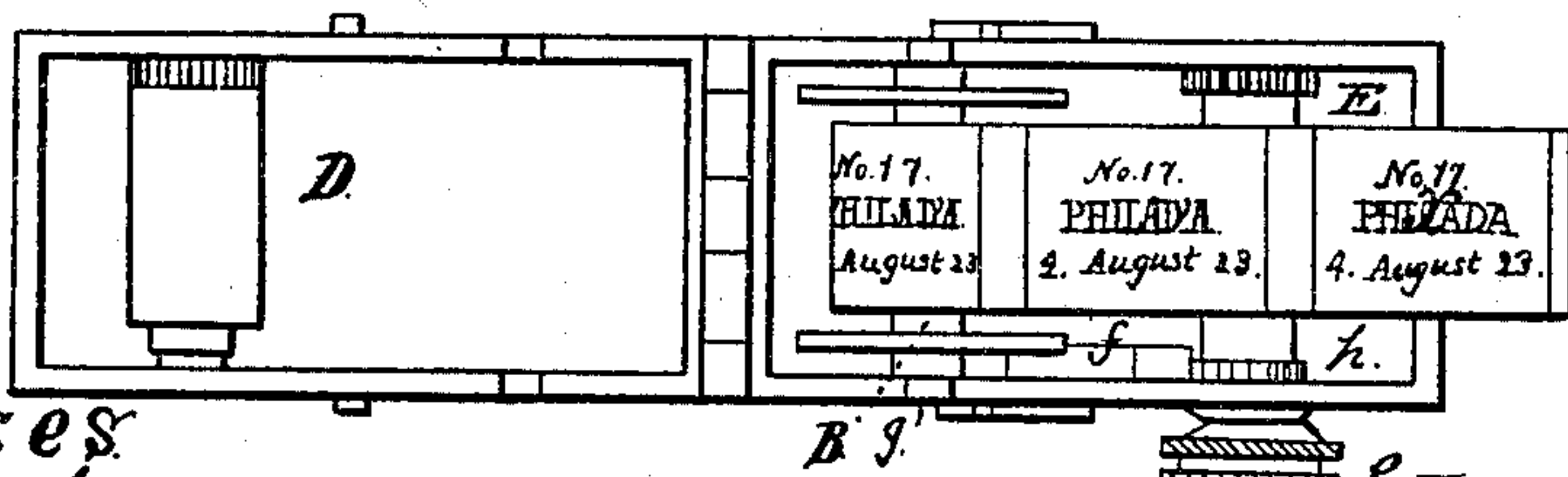


FIG. 3.



Witnesses  
Wm. Albert Steel  
John Parker

Inventor  
W. Helfricht  
By H. Hammon  
Atty

# United States Patent Office.

WILLIAM HELFFRICHT, OF PHILADELPHIA, PENNSYLVANIA.

Letters Patent No. 61,065, dated January 8, 1867

## IMPROVEMENT IN PASSENGER REGISTERS.

The Schedule referred to in these Letters Patent and making part of the same.

### TO ALL WHOM IT MAY CONCERN:

Be it known that I, WILLIAM HELFFRICHT, of Philadelphia, Pennsylvania, have invented a Passenger Register; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawing, and to the letters of reference marked thereon.

My invention consists of a portable box-like instrument, containing a pulley carrying a roll of paper, on which are printed a continuous series of tickets, the paper being passed through an opening or slit in front of the instrument by a conductor of a car, who tears off ticket after ticket to be delivered to passengers who have paid their fares; so that at the conclusion of a day's work, the proper officer can, by examining the remainder of the roll of paper, determine the amount of money received by the conductor.

In order to enable others to make and use my invention, I will now proceed to describe its construction and operation. On reference to the accompanying drawing, which forms a part of this specification—

Figure 1 is a side view of my improved passenger register.

Figure 2, a longitudinal section; and

Figure 3, the instrument as it appears when open.

Similar letters refer to similar parts throughout the several views.

The case of the instrument consists of two box-like pieces of metal, A and A', hinged together at *a*, and enclosing a space containing the flanged pulley B, and the two rollers D and E, the former being covered with a tube of gum elastic, or other equivalent material, and bearing against the roller E. The roller B is situated near the rear of the case, its spindle G turning in opposite sides of the same, on half of each bearing for each journal being in the upper portion, A, and the other half in the lower portion, A', of the case, so that on opening the latter, as seen in fig. 3, the pulley may be removed at pleasure. The journals of the roller D turn in the upper portion of the case, and those of the roller E in the lower portion, the two rollers being geared together, and one of the journals of the roller E projecting beyond the case, where it is furnished with a small serrated wheel, *e*. A spring pawl, *f*, hung to the interior of the case, and adapted to a ratchet-wheel, *h*, on the roller E, prevents the latter and the roller D from being turned in a direction contrary to that pointed out by the arrows. It is proposed to compel every conductor of a street car to carry one of these instruments, which he procures at the depot or headquarters of the company after a proper officer has coiled round the roller B a long strip of paper, on which are printed a continuous series of small tickets, each ticket bearing date of the day when the instrument is delivered to the conductor for use. If desired, the tickets may bear on their face consecutive numbers. The strip of paper is to pass between the rollers D and E, as shown in fig. 2, and thence through a narrow opening, *n*, in front of the case, between the upper and lower portions of the same. The conductor on receiving a fare hands to the passenger paying it a ticket, which he has torn from the strip, after which he turns the wheel *e* until another ticket projects from the end of the instrument, to be torn off and handed to the next paying passenger, and so on; the duty of the conductor being to hand every passenger a ticket on receiving his fare. The instrument is small, easily carried in the pocket, and the serving of a ticket is the act of a moment, as it is torn against the sharp edge of the opening through which it passes. After his day's duties, the conductor takes the instrument to the proper officer, at the headquarters, who proceeds to examine the remnants of the coiled strip of paper, and soon discovers how many tickets have been delivered, and the corresponding amount of money due from the conductor; hence it will be impossible for the latter to embezzle money he receives from passengers, unless he fails to deliver the ticket to each one who pays his fare, a neglect of duty which would expose him to the observation of and complaint from the passengers. The two portions of the case of the instrument may be secured together by latches in each side, similar to those seen in fig. 1, or by any other suitable fastening. The instrument may be employed to advantage by proprietors of places of public amusement, by compelling the money-taker to tear the tickets from a roll in the manner described above.

I claim as my invention, and desire to secure by Letters Patent—

1. A box, capable of being opened at pleasure, and containing a roll of paper on which is printed a continuous series of tickets; the paper passing through a slit or opening, against the edge of which it can be torn off, all substantially as and for the purpose set forth.

2. The combination of the pulley B containing the roll of paper, and the rollers D and E in combination with the casing or box A A', having a slit or opening in front for the passage of the paper, the whole being constructed and arranged substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WM. HELFFRICHT.

Witnesses:

CHARLES E. FOSTER,

H. HOWSON.