

No. 744,068.

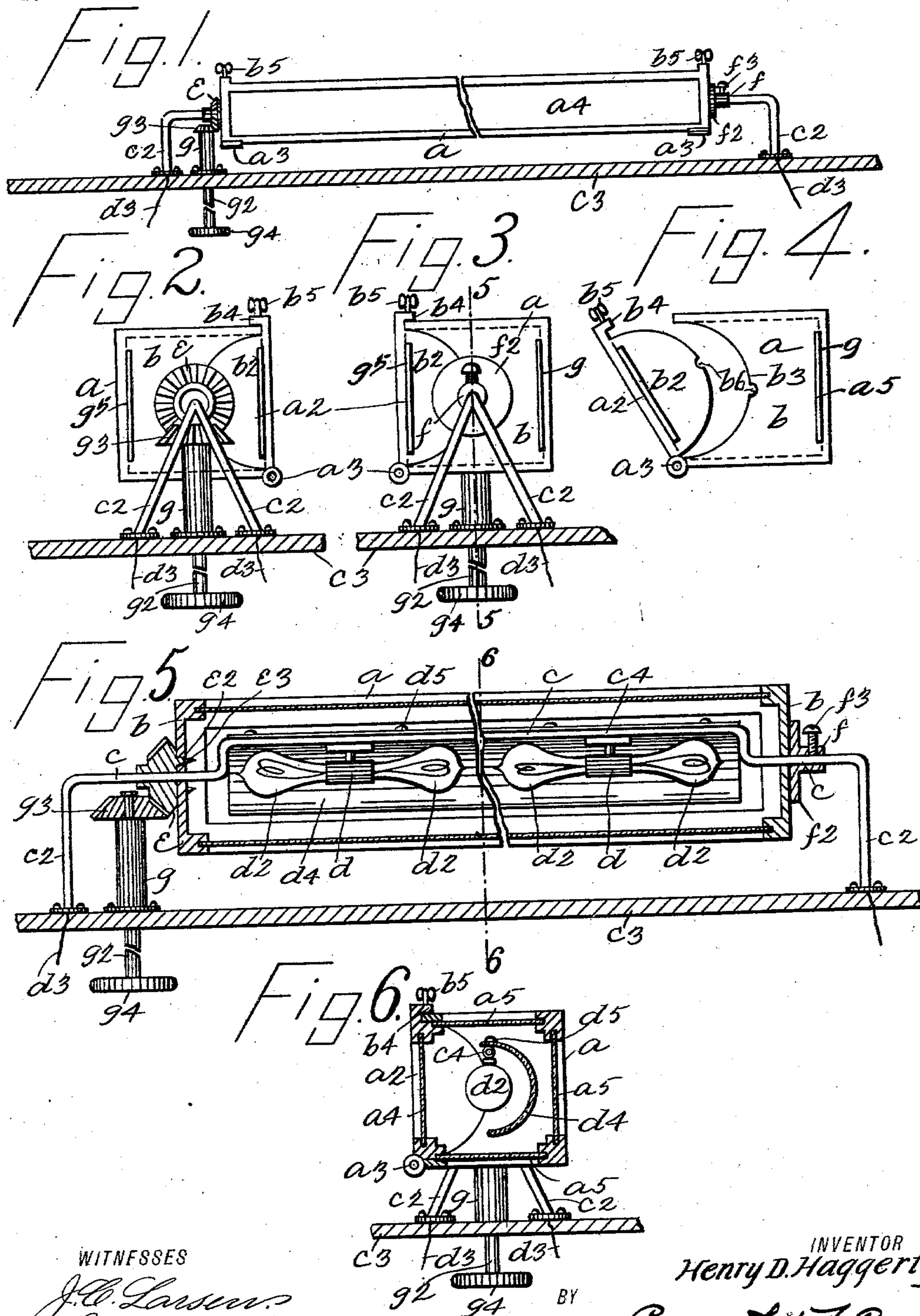
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CAR AND LINE INDICATOR FOR STREET RAILWAYS.

APPLICATION FILED FEB. 20, 1903.

NO MODEL.



WITNESSES

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CAR AND LINE INDICATOR FOR STREET-RAILWAYS.

SPECIFICATION forming part of Letters Patent No. 744,068, dated November 17, 1903.

Application filed February 20, 1903. Serial No. 144,198. (No model.)

To all whom it may concern:

Be it known that I, HENRY D. HAGGERTY, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Car and Line Indicators for Street-Railways, of which the following is a specification, such as will enable those skilled in the art to which it appertains to make and use the same.

The object of this invention is to provide an improved indicator device for street-railways adapted to be mounted or placed over the end of a car and to indicate the line to which the car belongs or the destination of the car; and with these and other objects in view the invention consists in a device of the class specified constructed as hereinafter described and claimed.

The invention is fully disclosed in the following specification, of which the accompanying drawings form a part, in which the separate parts of my improvement are designated by suitable reference characters in each of the views, and in which—

Figure 1 is a front elevation of my improved indicator device and showing the method of connecting it with a support; Fig. 2, a view of one end thereof; Fig. 3, a similar view of the opposite end thereof; Fig. 4, a view of one end of the indicator device, showing one side, which is hinged, partially open; Fig. 5, a view similar to Fig. 1, on an enlarged scale, and showing a longitudinal section on the line 5 5 of Fig. 3; and Fig. 6, a transverse section on the line 6 6 of Fig. 5.

In the practice of my invention I provide an oblong box or case a , which is rectangular in cross-section and provided at one side with a door a^2 , which is hinged at a^3 and provided with a glass or other transparent or translucent panel a^4 , and the said box or case is also provided in its other three sides with similar transparent or translucent panels a^5 .

The end portions of the box or case a are composed of two parts b and b^2 . The part b^2 is secured to the door a^2 ; and the adjacent edges of the parts b and b^2 are segmental in form, as shown at b^3 , and when the door is closed the part b^2 fits into the part b and form in connection therewith complete ends for the

box or case. The side of the door a^2 opposite the hinge a^3 thereof is provided with a flange b^4 , which overlaps the corresponding corner of the box or casing and through which is passed a set-screw or other fastening device b^5 , by means of which the door may be secured in a closed position; but any suitable fastening device may be employed for this purpose. Each end of the box or case is provided with a central opening b^6 , formed partly in the part b and partly in the part b^2 , and through these openings is passed a tubular shaft c , preferably provided at the ends thereof with brace members c^2 , which are also tubular in form, and these brace members are secured to a suitable support c^3 at one or both ends of the car, and said support may consist of the top portion of the car, as usual in this class of devices. The portions of the tubular shaft c which pass through the opposite ends of the box or case a are arranged horizontally; but that portion of said shaft within the box or case a is raised so as to be considerably above the longitudinal center of said box or case, as shown at c^4 , and suspended therefrom in any desired manner are two double-ended electric-light sockets d , with which are connected electric lights d^2 , and ordinary electric-light wires d^3 are passed through the shaft c and connected with the lights d^2 in the usual manner, and these wires may both be passed through the same end of said shaft or through the opposite ends thereof, as may be designed. That portion of the shaft c within the box or case also serves as a support for a reflector d^4 , which is connected therewith at d^5 in any desired manner, and said reflector is segmental in cross-section, and the concave side thereof is in the direction of the door a^2 .

Loosely mounted on and adapted to slide on one end of the shaft c is a beveled gear-wheel e , which is provided on its inner face with pins or teeth e^2 , adapted to pass through corresponding openings e^3 in the adjacent end of the box or case, and loosely mounted on the shaft c at the opposite end of said box or case is a collar f , provided with a flange f^2 , adapted to bear on said end of the box or case, and the beveled gear-wheel e and collar

f are free to slide on the shaft c , and the collar f is provided with a set-screw f^3 , by which it may be secured to said shaft.

Secured to the support c^3 , adjacent to the wheel e , is a vertically-arranged sleeve g , through which is passed a shaft g^2 , provided at its upper end with a beveled gear-wheel g^3 , which operates in connection with the wheel e , and the lower end of said shaft is provided with a handle-piece g^4 , by which it may be manipulated by the conductor or motorman, and when the parts are in the position shown in Figs. 5 and 6 it will be apparent that the box or case may be turned through a quarter, half, or a complete revolution whenever desired by means of the shaft g^2 . In practice the name of the car-line or the destination of the car, or both, are placed on the panels a^4 and a^5 in the usual manner, and the box may be turned so that either of said panels will be at the front, as may be desired, and as is customary in some places each of said panels may bear a different inscription, so as to indicate different destinations for the car and also different lines.

The door a^2 may be lowered or opened whenever necessary in order to examine or change the lights d^2 and also for the purpose of cleaning the box or case whenever necessary, and in order to clean the panel a^5 rearwardly of the reflector d the said panel may be made removable by means of slots or openings g , formed in the end or ends of the box or case, and the panel a^2 in the door may also be removed for a similar purpose through slots or openings g^5 .

As thus constructed it will be seen that the box or case a is free to slide on the shaft c or on the horizontal end portions thereof. The beveled gear-wheel e is also movable on said shaft, and the box or case may be moved longitudinally of said shaft by loosening the set-screw f^3 , and in order to place the box or case on said shaft the door a^2 is opened, and the end portions of said shaft are passed into that part of the openings b^6 in the ends of the box or case which are formed in the parts b of said ends, after which the door is closed and fastened. The box or case a is then moved up against the wheel e and the teeth or pins e^2 pass into the holes or openings e^3 in the adjacent end of the box or case, and the collar f is then moved up against the opposite end of the box or case and secured to the shaft c , and when the box or case is thus mounted on the shaft c it may be turned whenever desired by means of the shaft g^2 .

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

1. A car-indicator of the class described, comprising an oblong box or case having transparent or translucent side panels one of which is placed in a hinged door, a tubular shaft passing through the ends of the box or case and the opposite ends of which form

supports for said box or case and the central portion of which is raised above the longitudinal center of the box or case, electric lights suspended from the raised portion of said shaft, a collar loosely mounted on said shaft at one end of the box or case, a beveled gear-wheel loosely mounted on said shaft at the opposite end of the box or case and adapted to be connected with said end of the box or case, and devices operating in connection with said beveled gear-wheel for turning said box or case on said shaft, substantially as shown and described.

2. A car-indicator of the class described, comprising an oblong box or case having transparent or translucent side panels one of which is placed in a hinged door, a tubular shaft passing through the ends of the box or case and the opposite ends of which form supports for said box or case and the central portion of which is raised above the longitudinal center of the box or case, electric lights suspended from the raised portion of said shaft, a collar loosely mounted on said shaft at one end of the box or case, a beveled gear-wheel loosely mounted on said shaft at the opposite end of the box or case and adapted to be connected with said end of the box or case, and devices operating in connection with said beveled gear-wheel for turning said box or case on said shaft, the ends of said box or case being composed of two parts, one of which is connected with the door, substantially as shown and described.

3. A car-indicator of the class described, comprising an oblong box or case having transparent or translucent side panels one of which is placed in a hinged door, a tubular shaft passing through the ends of the box or case and the opposite ends of which form supports for said box or case and the central portion of which is raised above the longitudinal center of the box or case, electric lights suspended from the raised portion of said shaft, a collar loosely mounted on said shaft at one end of the box or case, a beveled gear-wheel loosely mounted on said shaft at the opposite end of the box or case and adapted to be connected with said end of the box or case, and devices operating in connection with said beveled gear-wheel for turning said box or case on said shaft, the ends of said box or case being composed of two parts, one of which is connected with the door, and a reflector connected with the raised portion of the shaft within the box or case, substantially as shown and described.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of the subscribing witnesses, this 19th day of February, 1903.

HENRY D. HAGGERTY.

Witnesses:

J. C. LARSEN,
T. A. STEWART.