

(No Model.)

G. W. HUNT.

DEVICE FOR LIGHTING THE STEPS OF CARS OR CARRIAGES.

No. 263,706.

Patented Sept. 5, 1882.

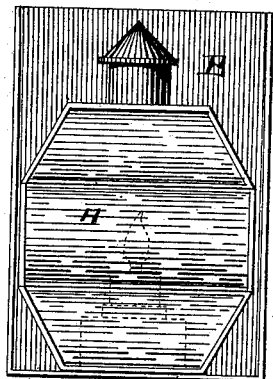


FIG. 1.

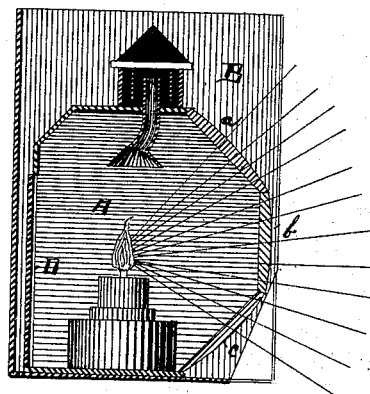


FIG. 2.

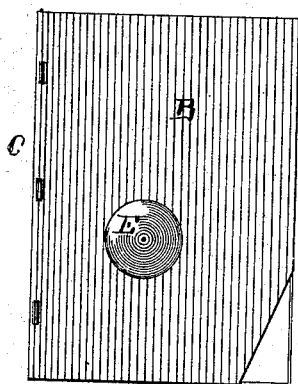


FIG. 3.

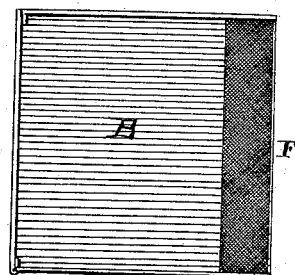


FIG. 4.

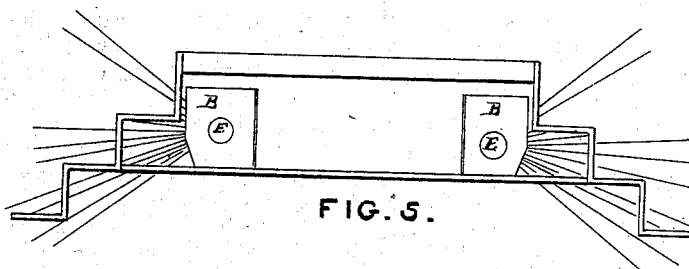
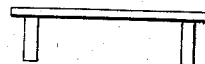


FIG. 5.



WITNESSES:

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DEVICE FOR LIGHTING THE STEPS OF CARS OR CARRIAGES.

SPECIFICATION forming part of Letters Patent No. 263,706, dated September 5, 1882.

Application filed July 21, 1882. (No model.)

To all whom it may concern:

Be it known that I, GEO. W. HUNT, a citizen of the United States, and a resident of the city and county of Philadelphia and State of Pennsylvania, have invented a new and useful Improvement in Devices for Lighting the Steps of Cars or Carriages, of which the following is a specification.

My invention relates in general to improvements on Letters Patent No. 260,100, granted me June 27, 1882, and particularly to the lantern and case for containing the same.

In the accompanying drawings, forming part of this specification, and in which similar letters of reference indicate like parts throughout the several views, Figure 1 represents a front view of my invention; Fig. 2, a sectional elevation of the same; Fig. 3, a side view of the lantern-case; Fig. 4, a top view of the same; and Fig. 5, a rear view of a car-platform, showing the arrangement of my lantern.

My lantern A has its front side constructed entirely of glass, and in the drawings this side consists of three lenses, *a*, *b*, and *c*. The rest of the lantern is of metal or glass, having a door, C, at its back, and is similar to the ordinary lantern generally in use, except that care is to be had that the joints are tight in order to exclude dust and dirt.

The case B, in which the lantern is to be placed, is made of metal or other suitable material, and is to be sufficiently strong to resist indentation from the stones, &c., which fly from the road-bed during the passage of a rapidly-moving train. This case is preferably a stationary fixture under the platform of the car, and, if necessary, it may be built directly under and having its front side conforming to the shape of the steps. The shape, however, which I think preferable is illustrated in Figs. 3 and 4. The case B is open at its front side

and at the top, and is provided with a door, C, at its back side, through which the lantern may be removed or access had to its interior. The side of this case which is toward the rear of the car is furnished with an aperture, E, covered with colored glass, through which light shines and forms a danger-signal. The bottom of the case does not extend completely across, but is cut off, as shown in the drawings, to allow the light to shine down upon the platforms of stations, &c., and the continuation of the case is formed of a stout wire screen, F, which will prevent injury to the lantern, and at the same time allow the light to pass through. If necessary, the top of the case may also be covered with wire.

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

1. The herein-described lantern, to be used for illuminating the steps of cars or carriages, consisting of the frame A, of metal or other suitable material, and lenses *a*, *b*, and *c*, substantially as and for the purposes set forth.

2. As a device for securing and preserving from injury the lantern A, situated beneath the steps of a car or carriage, the case B, constructed of metal or other suitable material, having its front and top open and sides beveled off, and having a door, C, at its back, substantially as described.

3. The herein-described case for securing a lantern for illuminating the steps of cars or carriages, consisting of the case B, made of metal or other suitable material, having its front and top open, and having a door, C, and aperture E, and having the screen F, substantially as and for the purposes set forth.

GEO. W. HUNT.

Witnesses:

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