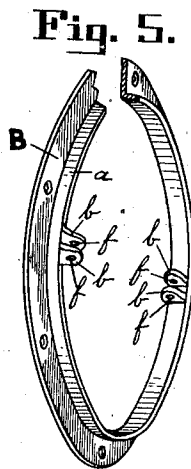
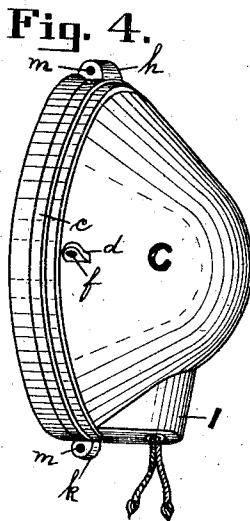
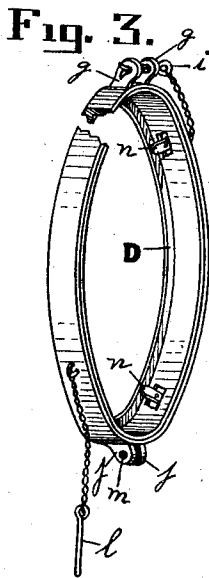
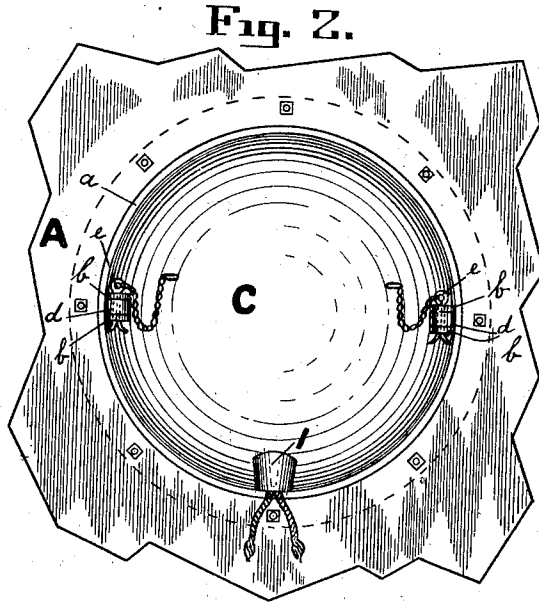
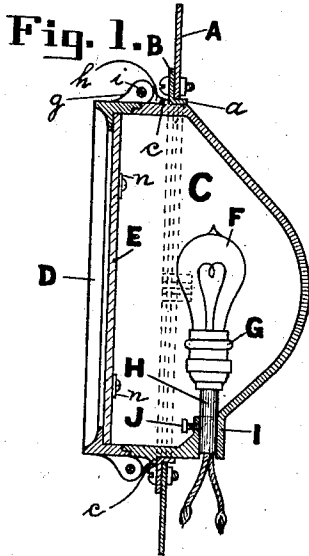


J. KIRBY, JR.
 DASH ELECTRIC HEADLIGHT.
 APPLICATION FILED APR. 10, 1911.

1,003,468.

Patented Sept. 19, 1911.



Attest.
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DASH ELECTRIC HEADLIGHT.

1,003,468.

Specification of Letters Patent. Patented Sept. 19, 1911.

Application filed April 10, 1911. Serial No. 620,105.

To all whom it may concern:

Be it known that I, JOHN KIRBY, Jr., a citizen of the United States, and a resident of the city of Dayton, in the county of Montgomery, in the State of Ohio, have invented certain new and useful Improvements in Dash Electric Headlights; and I do hereby 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, reference being had to the accompanying drawings, and to the letters of reference marked thereon, as forming a part of this specification.

My invention relates to improvements in dash electric headlights, such as are adapted to be inserted in the dash-boards of street or other railway cars and detachably held within a suitable holder secured thereto and forming a frame, hereinafter called collar, surrounding an opening therein, and permanently secured to the dash-board, as contradistinguished from the type of headlights which are inserted bodily through a hole in the dash-board and rigidly secured thereto.

It has for its object to provide a detachable headlight with a glass-holder hinged directly to the case or body thereof and the whole bodily and quickly removable from and placeable in its support permanently secured to the dash-board, together with certain other details of construction herein-after fully described, claimed and illustrated in the accompanying drawings, in which—

Figure 1 represents a vertical section through the center line of the headlight mounted in position in the dash-board and showing, in full, an incandescent electric lamp, lamp socket and socket holder mounted therein. Fig. 2 represents a back view of the headlight as seen in Fig. 1. Fig. 3 is a perspective view of the glass holder, detached from the case; Fig. 4 a perspective view of the headlight case and Fig. 5 a broken perspective view of a collar adapted to be permanently secured to the dash-board and to receive the headlight.

Similar letters of reference indicate corresponding parts throughout the drawings.

A represents the dash-board of a street railway car, and B a collar provided with a rearwardly projecting flange *a* which extends through an opening cut in the dash-

board to receive it and which may be permanently secured thereto by bolts as shown or by any other suitable means. From and integral with or secured to the collar B, or its flange *a*, there project lugs *b*, preferably two sets, located opposite each other, the function of which will presently appear.

C represents the headlight case which is in the form of a hollow-shell, open in front and closed at its rear, and which may have its inner surface enameled or it may be provided with a plated reflector, as the demands of trade may require, and its particular shape may be likewise governed, its front portion, however, is horizontally disposed and is adapted to register with the opening in the collar B in which it rests, an outwardly extending portion *c* being provided to form a stop or shoulder which rests against the said collar. Secured to or cast integral with the case are projecting lugs *d*, preferably on opposite sides thereof, which when the headlight is in position in the collar B, register with the lugs *b* and when in this position the headlight may be secured in place by means of cotter, or other pins *e*, inserted in holes *f* in the said lugs *b* and *d*, and thus it will be seen that by removing the cotter-pins the headlight can be removed bodily from the collar B and the dash-board A.

To the open front of the case C there is hinged, by means of ears *g* and *h*, a glass holder D which swings on a pintle *i*, which passes through perforations in the said ears *g* and *h*. Any suitable fastening may be employed to secure the glass holder in a closed position, and which for the sake of illustration I have shown a similar device to that described for the hinge, viz: ears *j* and *k* which, when the glass holder is in a closed position, register with each other and the glass holder is held closed by means of a cotter or other pin *l* passing through holes *m*.

A glass E is held in the holder D by means of clips *n* or by any other suitable means. An incandescent lamp F held in a socket G is carried by a socket-holder H, movable through a bored boss I and secured therein by a set screw J.

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

In combination with the dash-board of a

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10 railway car having an opening therein, a
collar registering with said opening and
permanently secured to the dash-board, a
headlight case carried by and extending
5 through said collar and said opening, and
means for retaining the whole structure
within said collar, said means consisting of
lugs projecting from said collar and said
case and adapted to register with each other
15 and pins passing therethrough, whereby the

headlight can readily be removed from said
collar and said dash-board.

In testimony that I claim the foregoing
as my own, I have hereunto affixed my sig-
nature, this 6th day of April, 1911, in the 15
presence of two witnesses.

JOHN KIRBY, JR.

Witnesses:

W. EMMONS, JR.,
E. L. SPENCER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
Washington, D. C."