

UNITED STATES PATENT OFFICE.

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LANTERN-HOLDER FOR VEHICLES.

SPECIFICATION forming part of Letters Patent No. 734,432, dated July 21, 1903.

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To all whom it may concern:

Be it known that I, ALBERT CHRISTIAN S. RUE, a citizen of the United States, residing at Northwood, in the county of Worth and State of Iowa, have invented certain new and useful Improvements in Lantern-Holders for Vehicles, of which the following is a specification.

This invention provides a novel form of holder for securing various makes of lanterns to the dashboard of a road vehicle or machine, said holder comprising in its make-up a frame, a clamp, a reflector, and lantern-grips, the latter being relatively adjustable and mounted in such a manner as to admit of the lantern being readily placed in position and removed for trimming or other purpose.

For a full description of the invention and the merits thereof and also to acquire a knowledge of the details of construction of the means for effecting the result reference is to be had to the following description and drawings hereto attached.

While the essential and characteristic features of the invention are susceptible of modification, still the preferred embodiment of the invention is illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of a lantern-holder embodying the invention, parts being broken away. Fig. 2 is a section of the clamp for securing the holder to the dashboard or other part of a vehicle. Fig. 3 is a detail view of the clamp.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

The frame of the holder comprises a bar 1, having its end portions curved in the same direction, so as to receive between them the lantern or other illuminating device. The upper forward end of the bar is thickened and widened and is provided with a tubular extension 2, in which is slidably mounted stem 3, provided at its upper end with flange 4 and ring 5. Plate 6 is secured to the lower end of stem 3, the latter being threaded and passed through an opening in the center of said plate and receiving a nut upon its lower end, thereby admitting of plate 6 being readily removed from stem 3 when desired for any

purpose. Spring 7 is mounted upon stem 3 and exerts a downward pressure upon plate 6 to cause it to grip the lantern or like device applied to the holder for illuminating purposes. Plate 6 is of concavo-convex form and is provided upon its lower side with rim 8 to make engagement with the upper portion of the lantern, so as to guard against lateral displacement. The lower end of the frame or bar 1 is widened and thickened and formed with a vertical opening 9, threaded to receive stem 10 of plate 11, the latter constituting a rest upon which the lantern is placed, said lantern being confined between plates 6 and 11, which, in effect, form grips by means of which the lantern is clamped when fitted to the holder.

The reflector 12 is preferably of metal, having the face adjacent to the lamp polished, and this reflector is constructed so as to concentrate the rays of light and throw same forward in parallel lines, said reflector having an approximately parabolic form. The upper portion of the reflector curves upward and forward, and the side portions curve so as to embrace the sides of the lantern. This reflector is secured to the frame by means of pairs of arms 13 and 14, located near the upper and lower ends of the frame and projected laterally therefrom in opposite directions and apertured to receive the fastenings by means of which the reflector is attached thereto. A bar 27 is applied to the lower end of the reflector and is centrally apertured to receive a machine screw or fastening 28, fitted into a threaded opening in the extremity of the lower end of frame 1, thereby serving in conjunction with arms 13 and 14 to secure the reflector, as well as bracing the frame.

The means for securing the holder to the vehicle consist of bracket 15, clamp-plates 16 and 17, and clamp-bolt 18, the latter cooperating with plates 16 and 17 to cause the latter to grip opposite sides of the dashboard or other part of the vehicle to which the device may be applied. Bracket 15 is adapted to be secured to frame 1 in such a manner as to admit of it being turned so as to occupy either a vertical or horizontal position, according as the clamp is to grip the upper edge of the dashboard or the side thereof. The upright member of bracket 13 is provided with bolt-

opening 19 and openings 20 and 21, openings 20 being disposed at a right angle to openings 21, and the sets of openings adapted to receive studs 22, projected from a thickened part 23 of frame 1. Fastening-bolt 24 is adapted to pass through bolt-opening 19 and secure bracket 15 to the frame either in a vertical or a horizontal position. The horizontal member of the bracket is provided with a series of T-shaped openings 25, adapted to receive T-shaped projection 26 at the upper end of clamp-plate 17, thereby admitting of said plate being adjusted to a greater or less distance from clamp-plate 16, according to the thickness of the part to which the holder is to be clamped. Bolt 18 passes through registering openings in clamp-plates 16 and 17 and is provided with a spring adapted to be compressed by clamp-nut of said bolt to prevent plates 16 and 17 from injuriously gripping the part to which the holder may be applied.

Having thus described the invention, what is claimed as new is—

1. In a lantern-holder, a frame comprising forwardly-extended parts having vertical openings, one of said openings being threaded, a plate having a threaded stem mounted in said threaded opening, a companion plate having a stem slidably mounted in the other opening, and a spring interposed between the last-mentioned plate and the adjacent forward portion of the frame, substantially as set forth.

2. In a lantern-holder, a frame having forwardly-extended parts, one of said parts having a threaded opening, a plate having a threaded stem adjustably mounted in said threaded opening, a tubular extension applied to the other part of the frame, a stem slidably mounted in said tubular extension,

a plate fitted to the lower end of said stem, and a spring mounted upon said stem and confined between the plate and part of the frame having said tubular extension, substantially as specified.

3. In a lantern-holder, a bar constituting a frame and having its end portions extended forwardly and provided with lantern-grips, a reflector, and upper and lower pairs of arms projected from said bar and serving to secure the reflector thereto, substantially as set forth.

4. In a lantern-holder, a frame comprising a bar having its end portions forwardly extended and provided with lantern-grips, a reflector, a bar connecting lower side portions of the reflector, a fastening for securing said bar to the lower forward ends of the frame, and upper and lower sets of arms projected from said bar and secured to said reflector, substantially as set forth.

5. In a lantern-holder, and in combination with the frame, a clamp reversibly fitted to said frame, and means for securing said clamp to the frame comprising a single fastening and a pair of studs and corresponding openings, substantially as set forth.

6. In a lantern-holder, and in combination with the frame, a clamp comprising a fixed member, a support therefor provided with a series of T-shaped openings, an adjustable member having a T-shaped projection for co-operation with any one of said T-shaped openings, and a clamp-bolt for connecting the clamp member, substantially as set forth.

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

ALBERT CHRISTIAN S. RUE. [L. S.]

Witnesses:

E. H. EVANSON,
DOW SIMMONDS.