Nov. 3, 1925. 1,560,408

P. L. CHARLEBOIS

GLARESHIELD

Filed Nov. 6. 1924

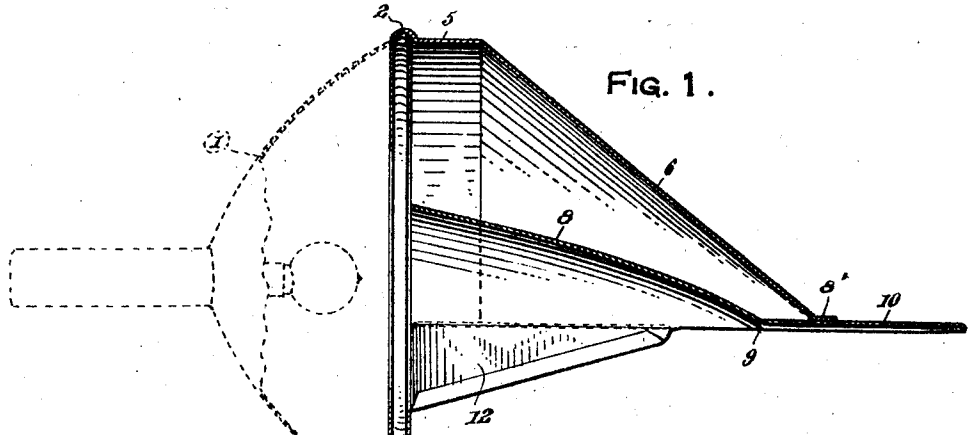


FIG. 1.

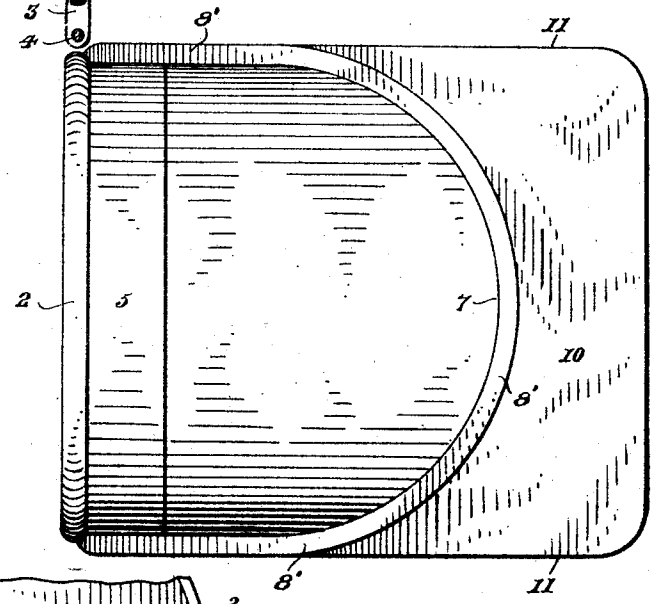


FIG. 2.

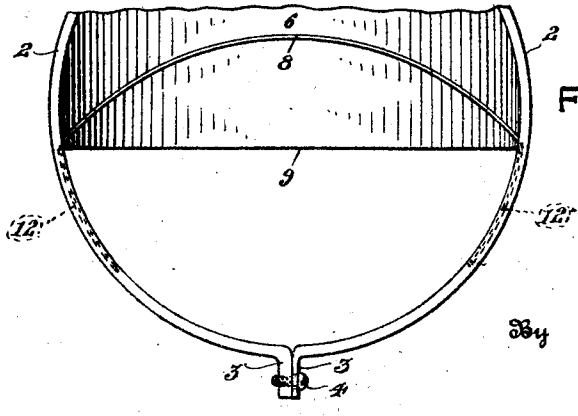


FIG. 3.

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UNITED STATES PATENT OFFICE.

PETER L. CHARLEBOIS, OF PORTLAND, OREGON.

GLARESHIELD.

Application filed November 6, 1924. Serial No. 748,183.

To all whom it may concern:

Be it known that I, PETER L. CHARLEBOIS, a subject of the King of Great Britain, residing at Portland, in the county of Multnomah and State of Oregon, have invented certain new and useful Improvements in Glareshields, of which the following is a specification.

This invention relates to certain new and useful improvements in glare shields and has for its primary object to reduce and practically eliminate the blinding glare of headlights, spotlights and the like of automobiles to prevent the glare or light rays of the lamp being projected above the horizontal axis of the lamp for protecting the drivers of approaching vehicles.

Another object of the invention is to provide a glare shield in the form of an arched hood adapted for mounting upon the forward edge of a lamp casing and being in the form of a hood positioned forwardly of the lamp casing and substantially covering the upper portion thereof above the horizontal median line and embodying a reflector in the hood for directing the light rays downwardly, the forward edge of the hood having a flat plate section to prevent the projection of the light rays above the horizontal axis of the lamp.

With the above and other objects in view that will become apparent as the nature of the invention is better understood, the same consists of the novel form, combination and arrangement of parts hereinafter more fully described, shown in the accompanying drawing and claimed.

In the drawing, wherein like reference characters designate corresponding parts throughout the several views,

Figure 1 is a vertical longitudinal sectional view of a glare shield constructed in accordance with the present invention, the portion of a spot light lamp casing being illustrated by dotted lines with the glare shield operatively mounted thereon,

Figure 2 is a top plan view of the glare shield, and

Figure 3 is a fragmentary rear elevational view of the shield.

Referring more in detail to the accompanying drawing, it being of course, understood that the glare shield is capable of being mounted upon projection lamps of different types, such as the headlight lamps or spotlight lamps generally associated with motor vehicles, there being illustrated by the reference numeral 1, a spotlight lamp casing upon which the glare shield is mounted.

The glare shield embodies a split clamping ring 2 carrying outwardly directed lugs 3 that are secured together in clamping engagement with the forward edge of the lamp casing 1 by the set screw 4 passing thru said lugs as shown in Figs. 1 and 3. The hood portion of the shield embodies a horizontal wall section 5 that is longitudinally curved as shown and preferably forms an integral part of the clamping ring 2 as illustrated in Fig. 1, the wall section 5 having its opposite sides terminating at a point slightly below the transverse median line of the lamp casing 1. A downwardly directed inclined wall 6 projects forwardly of the horizontal wall section 5 with the lower forward edge thereof of curved formation as illustrated by the reference numeral 7 terminating in a horizontal flange 8, the forward curved edge 7 of the inclined wall 6 merging into the opposite lower ends of the wall section 5.

A transversely curved and forwardly declined reflecting wall 8 has its opposite edges secured to the lower side of the wall sections 5 and 6 of the hood, the reflecting wall 8 being longitudinally arched as shown in Figs. 1 and 3 with the forward edge 9 of the arched portion of the plate terminating slightly in rear of the forward portion of the flange 8′ of the hood section 6. A substantially rectangular flat wall section 10 projects forwardly of the reflecting wall 8 and also outwardly of the lower flanged edge of the hood section 6 with the opposite side edges 11 of the plate 10 forming continuations of the side portions of the hood flanges 8′. The rear transversely arched edge of the reflecting wall 8 has its central portion disposed slightly above the horizontal axis of

the lamp casing 1 while the opposite side edges thereof merge into the lower edges of the wall and hood sections 5 and 6 respectively.

Depending light guards 12 of substantially triangular formation in side elevation and transversely arched as shown by dotted lines in Fig. 3, depend from the side portions of the wall and hood sections 5 and 6, with the rear edges thereof anchored in the clamping ring 2 as shown.

From the above detailed description of the invention, it is believed that the construction and operation thereof will at once be understood, it being noted that the light rays from the lamp in the casing 1 will be deflected by the reflecting wall 8 in a downwardly and lateral direction while the horizontal wall section 10 prevents the upward projection of the light rays above the horizontal axis of the lamp casing. The side guards 12 tend to concentrate the light rays and eliminate the lateral dispersion thereof. The shield is extremely simple in construction and may be attached to the ordinary head lamp or spot light of an automobile.

While there is herein shown and described the preferred embodiment of the present invention, it is nevertheless to be understood that minor changes may be made therein without departing from the spirit and scope of the invention as claimed.

What is claimed as new is:—

1. In a glare shield of the type described, a clamping ring, a declined transversely curved hood section having its inner edge held in spaced relation to the ring by a transversely flat wall and projecting forwardly of said ring with the opposite side edges thereof terminating adjacent the horizontal axis of the ring and a transversely curved forwardly arched declined reflecting wall inclosed in the hood section.

2. In a glare shield of the type described, a clamping ring, a declined transversely curved hood section having its inner edge held in spaced relation to the ring by a transversely flat wall and projecting forwardly of said ring with the opposite side edges thereof terminating adjacent the horizontal axis of the ring and a transversely curved forwardly arched declined reflecting wall inclosed in the hood section, with the forward edge of the arched portion of the reflecting wall terminating inwardly of the forward edge of the hood section.

3. In a glare shield of the type described, a clamping ring, a declined transversely curved hood section projecting forwardly of the ring with the opposite side edges thereof terminating adjacent the horizontal axis of the ring, a transversely curved forwardly arched declined reflecting wall inclosed in the hood section with the forward edge of the arched portion of the reflecting wall terminating inwardly of the forward edge of the hood section, and a horizontal wall section carried by the forward edge of the reflecting wall and projecting forwardly of the hood section.

4. In a glare shield of the type described, a clamping ring, a declined transversely curved hood section projecting forwardly of the ring with the opposite side edges thereof terminating adjacent the horizontal axis of the ring, a transversely curved forwardly arched declined reflecting wall inclosed in the hood section with the forward edge of the arched portion of the reflecting wall terminating inwardly of the forward edge of the hood section, and the rear edge of the reflecting wall having its central portion spaced above the horizontal axis of the ring while the opposite side edges thereof are spaced below the horizontal axis.

5. In a glare shield of the type described, a clamping ring, a declined transversely curved hood section projecting forwardly of the ring with the opposite side edges thereof terminating adjacent the horizontal axis of the ring, a transversely curved forwardly arched declined reflecting wall inclosed in the hood section with the forward edge of the arched portion of the reflecting wall terminating inwardly of the forward edge of the hood section, a horizontal wall section carried by the forward edge of the reflecting wall and projecting forwardly of the hood section, and the rear edge of the reflecting wall having its central portions spaced above the horizontal axis of the ring while the opposite side edges thereof are spaced below the horizontal axis.

6. In a glare shield of the type described, a clamping ring, a declined transversely curved hood section projecting forwardly of the ring with the opposite side edges thereof terminating adjacent the horizontal axis of the ring, a transversely curved forwardly arched declined reflecting wall inclosed in the hood section with the forward edge of the arched portion of the reflecting wall terminating inwardly of the forward edge of the hood section, the rear edge of the reflecting wall having its central portion spaced above the horizontal axis of the ring while the opposite side edges thereof are spaced below the horizontal axis, and side light guards depending from opposite side edges of the hood section and reflecting wall.

7. In a glare shield of the type described, a clamping ring, a declined transversely curved hood section projecting forwardly of the ring with the opposite side edges thereof terminating adjacent the horizontal axis of the ring, a transversely curved forwardly arched declined reflecting wall inclosed in the hood section with the forward edge of the arched portion of the reflecting

wall terminating inwardly of the forward edge of the hood section, a horizontal wall section carried by the forward edge of the reflecting wall and projecting forwardly of the hood section, the rear edge of the reflecting wall having its central portions spaced above the horizontal axis of the ring while the opposite side edges thereof are spaced below the horizontal axis, and side light guards depending from opposite side edges of the hood section and reflecting wall.

In testimony whereof I affix my signature.

PETER L. CHARLEBOIS.