G. A. HARKEN.

LIGHT DEFLECTOR.

APPLICATION FILED OCT. 22, 1915.

1,177,772. Patented Apr. 4, 1916.

Fig. 1.

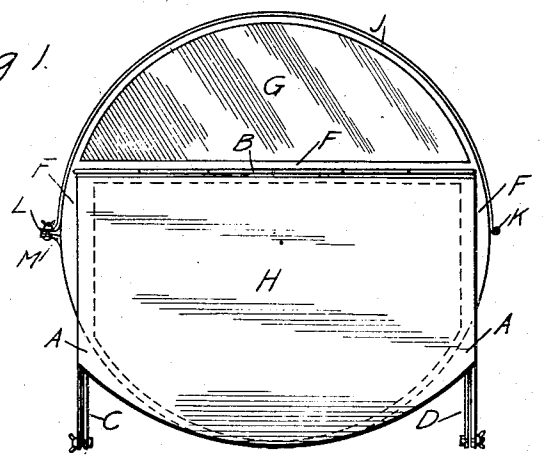


Fig. 2.

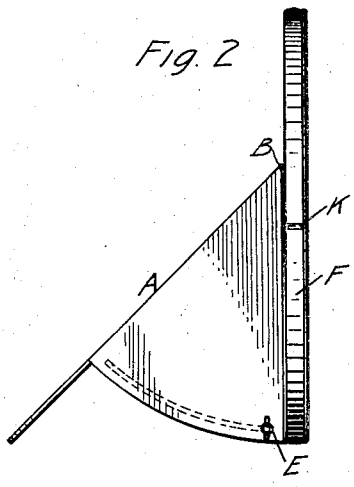


Fig. 3.

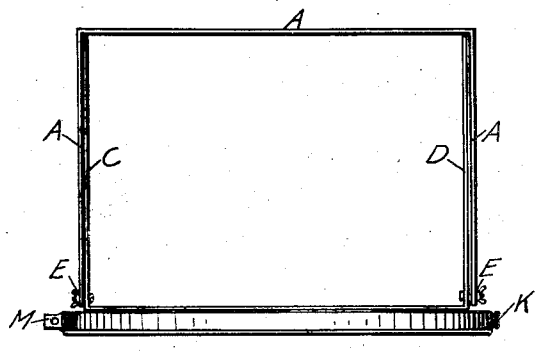


Fig. 4.

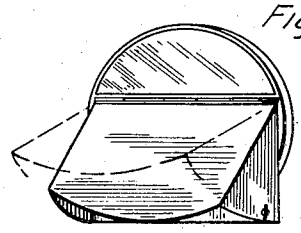


Fig. 5.

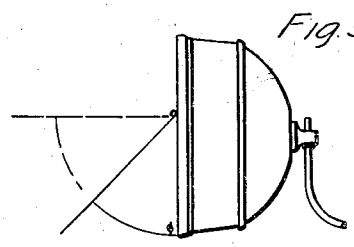


Fig. 6.

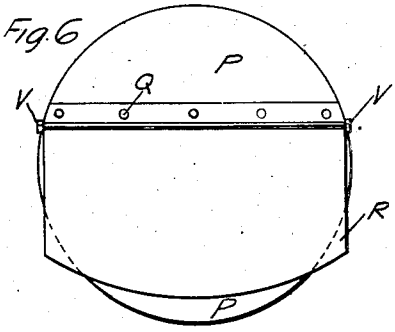
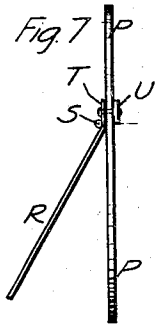


Fig. 7.



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GEORGE A. HARKEN, OF NEW YORK, N. Y.

LIGHT-DEFLECTOR.

1,177,772. Specification of Letters Patent. Patented Apr. 4, 1916.

Application filed October 22, 1915. Serial No. 57,383.

To all whom it may concern:

Be it known that I, GEORGE A. HARKEN, a citizen of the United States, residing at No. 1656 Woodhaven avenue, borough of Queens, in the city and State of New York, have invented a new and useful Light-Deflector or Accessory to an Illuminating-Lamp in the Form of a Light-Rays Deflector, of which the following is a specification.

The device consists essentially of a hood or deflector, fastened to a frame, the rim of which is fastened around the periphery of the lamp; the object of this hood being to deflect the rays of light coming from an illuminating lamp to almost any angle desired by means of adjusting the angle of the hood or deflector, and furthermore, to afford a means of diverting the glaring rays from being directly thrown upon pedestrians and vehicles, when such modification in the light rays is necessary to conform with city regulations.

Figure 1. is a front view of the hood and frame. Fig. 2. is a side elevation. Fig. 3. is an end view. Fig. 4. is a perspective sketch looking almost directly to the front. Fig. 5. is another sketch showing hood and frame attached to lamp. Figs. 6 and 7 are front and side views respectively of a modification.

Similar letters refer to similar parts in the several views.

The device consists of a hood and frame. The three sided hood, A, which is hinged at B, is shown in Figs. 2 and 3, in its normal position deflecting the light downward. From this position it can be swung outward until the top of the hood is in a horizontal position. The two standards or guides C. and D. can be slotted, as shown in dotted lines in Fig. 2. and a bolt and winged nut can be passed through the slot and hole E in hood and fastened to the sides of the hood to the standards, in this way, allowing for adjustment of hood. Any other method for adjusting hood could be used. The standards C are rigidly fastened to frame F.

G and H are glass panels; G preferably of a translucent nature.

The device is fastened to the lamp by means of a semi-circular band J, which is hinged at K and fastened at L by means of an adjustable bolt and winged screw passing through a hole in the lug M on the rim.

The dash outlines on Fig. 4 and Fig. 5 show the hood in different positions, other than normal.

Figs. 6 and 7 show the principle of the hood in its simplest form. P is the glass originally in the lamp; Q are holes drilled in glass. The hood R is fastened to a metallic strip T by means of a hinge at S. Another metallic strip U is placed on other side of glass and both strips U and T are fastened together by means of bolts passing through holes Q. An adjustable device (of any kind) can be placed at V to hold hood or deflecting plate R at any desired angle. Furthermore, the upper panel of glass could be whitened or made translucent in any other way.

I claim:—

A cover for headlights comprising an attaching and supporting frame, a translucent glass supported in the upper part of said frame and covering the upper portion of the headlight, a screen mounted to swing on a horizontal axis from a plane inclined to the front of the headlight to a horizontal plane, and means for securing the screen in either plane or in an intermediate plane comprising vertical forwardly projecting plates attached to the frame, and overlapping rearwardly directed plates attached to the edges of the screen, one of the former plates having an arcuate slot and the corresponding of the latter plates carrying a winged nut to slide in said slot and to secure the screen in any desired plane.

GEORGE A. HARKEN.

In presence of—
MAURICE M. STERN,
JOHN BAUER.