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C. B. FRIERSON
HEADLIGHT ATTACHMENT
Filed March 30, 1926

FIG. 1.

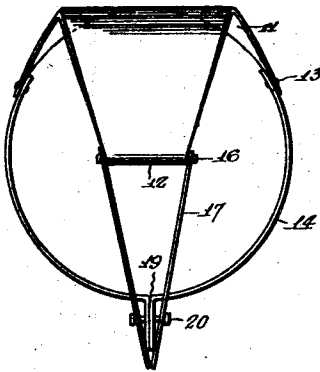


FIG. 2.

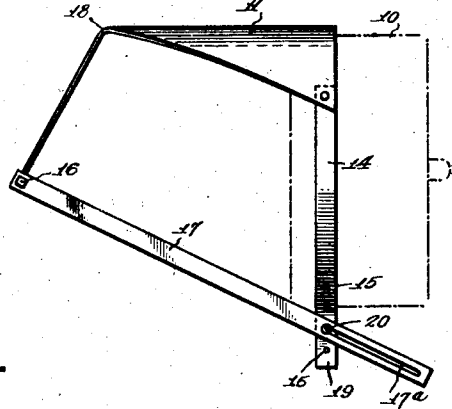


FIG. 3.

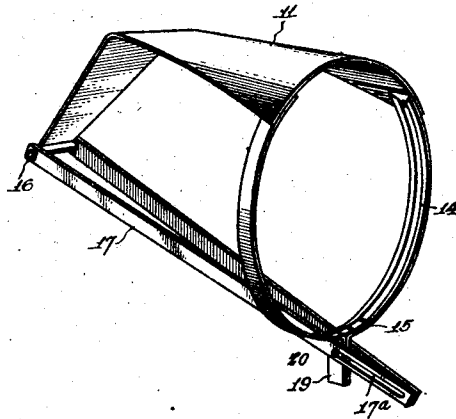
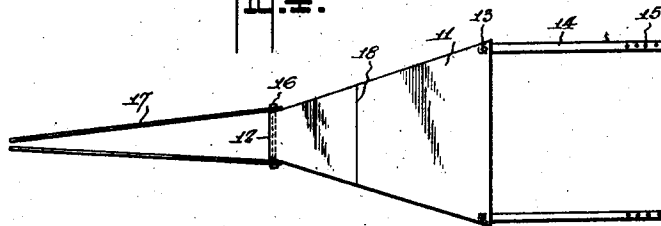


FIG. 4.



WITNESSES

Frank J. Pappas
Franklin J. Foster

INVENTOR

C. B. Frierson

BY

Mum Co
ATTORNEYS

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UNITED STATES PATENT OFFICE.

CARRIE B. FRIERSON, OF CLEVELAND, MISSISSIPPI.

HEADLIGHT ATTACHMENT.

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The present invention is concerned with the provision of an attachment for the head lights of automotive vehicles which serves the purpose of preventing glare without in any way minimizing the light thrown upon the road.

A further object of the invention is to provide a device which will prevent the blinding rays of a head light from being thrown in the eyes of pedestrians, or the eyes of the drivers of approaching cars without dimming the light.

A further object of the invention is to provide an antiglare shield of this character which may be expeditiously and securely attached to any ordinary automobile head light without requiring the services of a mechanic.

Further objects of the invention are to provide a head light attachment which will not detract from the appearance of a car, an attachment of simple, practical construction which will be durable and efficient in use, an attachment which may be manufactured with comparative economy, and an attachment which is universally adjustable to receive any standard size of head light casing.

With the above noted and other objects in view, the invention consists in certain novel features of construction and combinations and arrangements of parts, as will be more fully hereinafter set forth and pointed out in the claims. The invention may be more fully understood from the following description in connection with the accompanying drawings, wherein—

Fig. 1 is a view in front elevation of an attachment embodying the present invention showing the same in assembled condition.

Fig. 2 is a view in side elevation of Fig. 1, indicating in dot and dash lines a head light casing to which my improved antiglare shield is attached.

Fig. 3 is a perspective view of the shield assembled.

Fig. 4 is a plan view of the shield in the flat condition in which it is shipped.

In the drawings a conventional type of cylindrical head light casing has been indicated in dotted lines at 10, and to such casing the antiglare shield attachment of the present invention may be readily secured.

In Fig. 4 I have shown the appearance of the attachment before it is assembled on the head light. It will be noted that it includes

a substantially triangular shield or plate portion 11. Plate 11 as a matter of fact is in the form of a regular trapezium having one parallel side 12 so short, that the plate is of approximately triangular shape. At the corners of the longer parallel side of the plate, I pivotally attach, as by a rivet 13, the ends of bendable metallic head light clamping bands 14 formed with a series of screw or bolt holes 15 in their free extremities. Under the shorter opposite side of the plate 11 there is secured a pivot bolt 16 to the ends of which are pivoted the ends of substantially rigid bracing bars 17. Near their free ends these bars are formed with longitudinally extending slots 17^a for purposes of adjustment, as will be later described.

The plate 11 is of flexible bendable metal so that the longer parallel side thereof may be transversely bent to conform to the curvature of a head light casing, and so that the reduced forward end thereof may be bent downwardly on the transverse fold line indicated at 18.

In assembling the device upon the head light casing, the longer parallel side of the plate 11 is transversely bent as best seen in Figs. 1 and 3 to conform to the peripheral curvature of the casing 10. The bendable straps 14 are wrapped or bent about the casing 10, and the end portions which would overlap turned at right angles to provide depending apertured extensions 19. The section of the plate 11 forwardly of the line 18 is then bent downwardly until it just conceals the lamp bulb (not shown) disposed at the center of a light casing from the view of one directly in front of the head light. The two rigid bracing bars 17 are then swung rearwardly and a securing device such as a screw or bolt 20 passed through the aligned slots 17^a in the bracing bars and a pair of aligned apertures 15 in the extremities 19 of the clamping bar 14. The bars 14 are of such a length that they may embrace any standard size of head light and leave depending extremities 19 of greater or less length in accordance with the size of the head light. The slots 17^a in the bars 17 permit axial adjustment of these bars to pull the forward end of the shield 11 downwardly to the desired extent. With the screw 20 in place, the antiglare shield is firmly locked against vibration independently of the head light casing.

In practice the under face of the plate or

shield 11 will be of reflecting material. The upper face of the plate 11 and the outer surface of the clamping bars 14 will be painted in conformity with the car to which the device is attached, and the bracing bars 17 may be painted, nicked or otherwise treated in accordance with the taste of a user.

With the antiglare deflector in place, the forwardly and downwardly inclined end of the glare shield will screen the light source from the eyes of the drivers of approaching cars. Light from the main body of the plate 11 will be reflected downwardly on to the road and forwardly of the shield.

Various changes and alterations might be made in the general form and arrangement of parts described without departing from the invention. Hence I do not wish to limit myself to the details set forth, but shall consider myself at liberty to make such changes and alterations as fairly fall within the spirit and scope of the appended claims.

I claim:

1. A glare shield attachment for automobile head lights including a bendable vizor-like tapered plate adapted to have its transversely curved rear edge secured to a head light casing the rear portion of the plate being parallel with the central longitudinal axis of the casing and including a bendable tapered forward extension adapted to screen the forwardly projected horizontal rays of a light in the casing, said extension being bent forwardly and downwardly at a sharp angle and terminating below the plane of the central longitudinal axis of the casing.

2. A glare shield attachment for automobile head lights including a bendable

visor-like tapered plate adapted to have its transversely curved rear edge secured to a head light casing and including a bendable tapered forward extension adapted to screen the forwardly projected horizontal rays of a light in the casing, said extension being bent forwardly and downwardly below the plane of the central longitudinal axis of the casing, means for rigidly attaching the forward end of the extension to the casing, including a pair of inclined bracing bars, and bendable casing embracing straps secured to the rear end of the plate and adjustably detachably engaged at their ends with the rear end of the bracing bars by a common securing device.

3. A device of the class described in claim 2, wherein the casing embracing straps include downwardly turned ends having aligned openings therein, and the bracing bars have longitudinal slots aligning with said openings to adjustably receive the common securing device.

4. A glare shield attachment for automobile head lights including a bendable plate shaped as a regular trapezium and having a transverse bending line parallel with the parallel edges thereof, the longer parallel edge of the plate being adapted to be bent around a head light casing, so that the larger end of the plate will constitute a vizor, that portion of the plate between the bending line and the shorter parallel edge being bent forwardly and downwardly below the plane of the central longitudinal axis of the head light casing to screen direct forwardly presented rays of light from the casing.

CARRIE B. FRIERSON.