June 24, 1930. H. STALLINGS 1,766,696

ATTACHMENT FOR HEADLIGHT LAMPS

Filed April 29, 1929

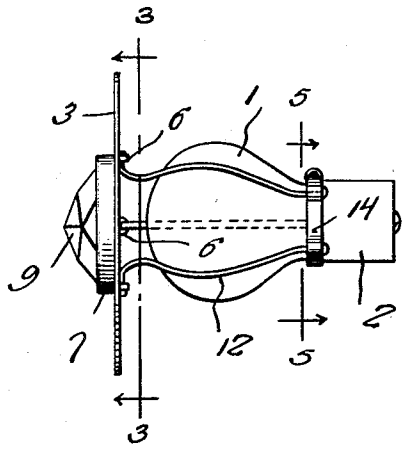
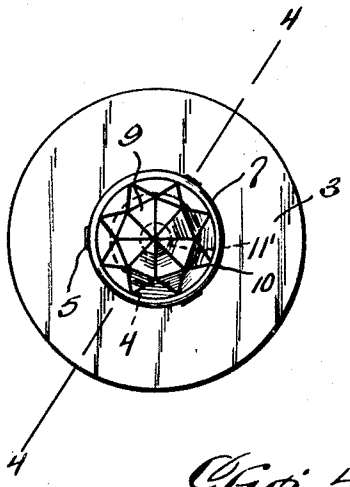


Fig. 1.

Fig. 2.

Fig. 3.



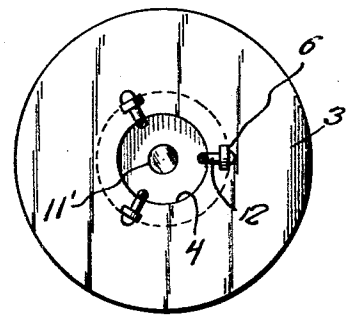
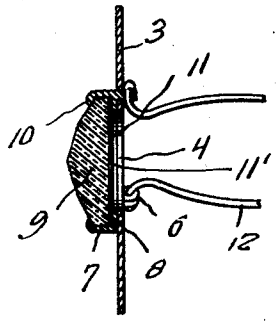
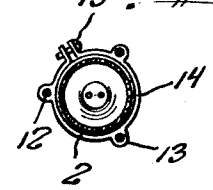


Fig. 4.

Fig. 5.





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UNITED STATES PATENT OFFICE

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ATTACHMENT FOR HEADLIGHT LAMPS

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The present invention relates to improvements in attachments for headlight lamps and has for its principal object to provide a signal forming unit for association with each of the headlight lamps so that when riding at night, approaching drivers can readily ascertain how close they can approach an automobile equipped with my improved lamp attachment without any danger of a collision, the attachment further constituting a glare reducing means to prevent blinding effects.

One of the important objects of the present invention is to provide an attachment of the above-mentioned character wherein different colored bull's-eyes are adapted to be supported directly in front of the respective headlight lamps.

Another important object is to provide an attachment of the above-mentioned character that includes a novel means for supporting the bull's-eye in front of each headlight lamp, the supporting means being of such construction as to permit the same to be mounted on the lamp base without necessitating any material alterations.

Another object is to provide a lamp attachment of the above-mentioned character that will at all times be positive and efficient in carrying out the purposes of which it is designed, the same being further simple in construction, inexpensive, strong and durable.

Other objects and advantages of the invention will become apparent from the following description when taken in connection with the accompanying drawing.

In the accompanying drawing wherein like reference characters indicate corresponding parts throughout the same:

Figure 1 is a side elevation of an automobile headlight lamp showing my improved attachment applied thereto.

Figure 2 is a front elevation thereof.

Figure 3 is a vertical section taken approximately on the line 3—3 of Figure 1 looking in the direction of the arrows.

Figure 4 is a cross sectional view taken approximately on the line 4—4 of Figure 2; and

Figure 5 is a vertical section taken approximately on the line 5—5 of Figure 1 looking in the direction of the arrows.

In the drawing wherein for the purpose of illustration is shown the preferred embodiment of my invention, the numeral 1 designates a headlight lamp, the base therefor being indicated at 2 and this base is adapted to be secured within the usual socket provided therefor in the headlight casing, not shown, in the manner well known in the art.

My attachment constitutes a circular disc 3 that is formed with a central opening 4 and the spaced slots 5 adjacent the opening 4 to accommodate the laterally extending apertured tongues 6 that are formed on the rear face of a bull's-eye supporting member 7 that is adapted to be disposed against the front face of the disc around the opening 4.

This supporting member 7 is in the form of a ring and is formed with the annular flange 8 that extends inwardly adjacent the rear edge portion of said ring for disposition against the front face of the disc 3 as is more clearly shown in Figure 4. A bull's-eye 9 is mounted in the ring 7 and the forward edge of the ring is bent inwardly to provide a retaining flange 10 whereby to maintain the bull's-eye within the supporting ring.

The bull's eye that is associated with the left headlight is preferably colored red while the bull's-eye that is associated with the right headlight lamp is preferably colored green in a manner similar to the arrangement of the signal lamps that are mounted on the star board and port of a ship.

A silver coating 11 is applied to the flat rear face of each bull's-eye and this coating covers substantially the entire rear surface of the bull's-eye with the exception of a small central area 11′ as indicated also very clearly in Figure 4.

The attachment further comprises the spring wire arms 12, the forward ends thereof being disposed laterally through the respective apertured tongues or ears 6 and the extremities of these spring wire arms are upset. The rear ends of these spring wire arms are connected to the respective apertured lugs 13 that project radially from the split band 14

that encircles the lamp base 2 and the free ends of the split band 14 are disposed laterally for receiving an appropriate fastening means indicated at 15 in Figure 5 whereby said split band is detachably secured around the base of the lamp. The spring wire arms 12 engage with the lamp 1 so as to rigidly support the disc 3 in a vertical manner slightly forwardly of the lamp as shown very clearly in Figure 1.

When my attachment is mounted on the respective headlight lamps, the rays of light will project through the uncoated area 11′ of the bull's-eyes as well as against the colored bull's-eyes and will be reflected outwardly of the headlight casing to project a green and a red ray of light thus producing a signalling effect to approaching drivers. At the same time, the road will be illuminated sufficiently to enable the driver to clearly see the road while driving at night. The purpose of coating the rear portion of each bull's-eye with a reflecting substance is to enable the driver of an approaching vehicle to readily ascertain how close his automobile is to the left hand side of the automobile equipped with my lamp attachments when either of the lamps with which the attachments are associated have burned out.

The simplicity of my device enables the same to be readily and easily attached on each headlight lamp without necessitating any alteration and the device will at all times be positive and efficient in preventing a blinding glare and at the same time will afford the proper signalling medium to approaching drivers.

While I have shown the preferred embodiment of my invention, it is to be understood that minor changes in the size, shape and arrangement of parts may be resorted to without departing from the spirit of the invention or the scope of the appended claim.

What I claim is:

The combination with a headlight lamp, of a disc arranged vertically in front of the lamp and being formed with a central opening, and slots adjacent the opening, a bull's-eye positioned over the front side of the opening, a supporting member for the bull's-eye, tongues projecting rearwardly from said supporting member through the respective slots in the disc, a band encircling the base of the lamp, and spring arms engaging with the lamp, the forward ends of the spring arms passing through openings in said tongues to hold the supporting member rigid with the disk, the rear ends of the arms being connected to the band.

In testimony whereof I affix my signature.

HARRY STALLINGS.