June 17, 1930. C. W. SHIPPEE 1,764,474

AUTOMOBILE HEADLIGHT

Original Filed Sept. 17, 1927

Fig. 1.

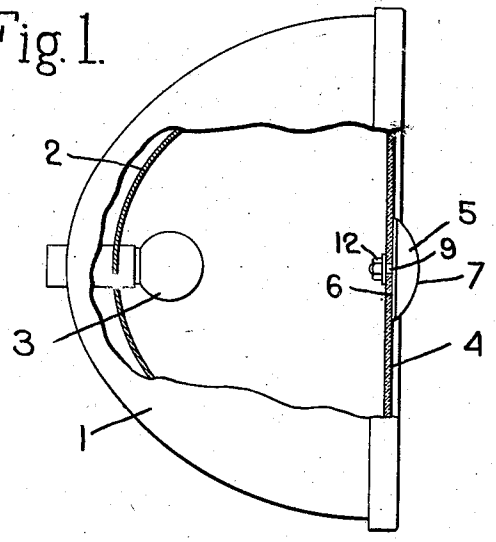


Fig. 2.

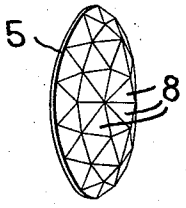


Fig. 3.

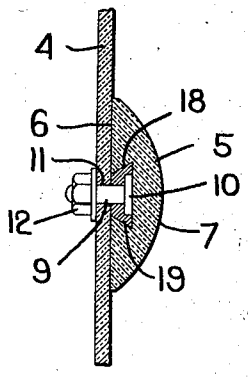
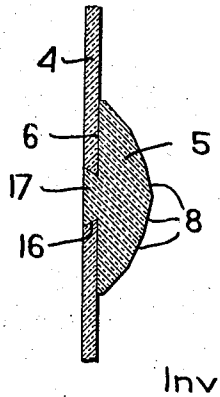


Fig. 4.



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UNITED STATES PATENT OFFICE

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AUTOMOBILE HEADLIGHT

Application filed September 17, 1927, Serial No. 220,070. Renewed December 27, 1929.

This invention relates to automobile headlights and has for its principle object to provide a novel construction by which the glaring effect of the headlight is modified or softened.

In order to give an understanding of the invention I have illustrated in the drawings a selected embodiment thereof which will now be described after which the novel features will be pointed out in the appended claim.

Fig. 1 is a fragmentary sectional view illustrating a headlight equipped with my invention;

Fig. 2 is a perspective view of one of the glare-reducing elements;

Fig. 3 is a fragmentary sectional view illustrating how this element may be secured to the lens of the headlight.

Fig. 4 is a fragmentary sectional view illustrating another way of securing the glare-preventing element to the lens of the headlight.

In the drawings 1 indicates generally the headlight of an automobile which is equipped with the usual reflector 2, bulb or lamp 3 and lens or glass 4.

In accordance with my invention I apply to the lens 4 in the axial line of the lamp 3 a glare-preventing member 5 which is preferably of glass having a color contrasting with that of the lens. This element 5 will also preferably be translucent. In an ordinary headlight which has a plain glass 4 I will preferably make the member 5 of a red colored glass. This member 5 may be a plain disk with parallel faces or may be in the form of a so-called crystal, that is, with one plain rear face 6 adapted to fit the face of the lens 4 and a convex outer or front face 7. This face 7 may be formed on a plain curve or may be formed with individual faces 8 as desired.

This member 5 may be secured to the lens 4 in any suitable way. As herein shown said member is provided on its rear side with a pocket or recess 18 which is larger at the bottom than at the top and in which is anchored an attaching screw 9.

The head 10 of the screw is located in the recess 8 and then the recess is filled with lead or some other similar material 19 which will serve to securely anchor the screw to the member 5. The lens 4 may be provided with an aperture 11 through which the screw extends, said screw being provided with a clamping nut 12 to clamp the member 5 in position. This member 5 is situated in the direct axial line of the lamp 3 and when located in this way it intercepts the rays of light coming directly from the lamp 3 and in this way tends to reduce the glare. Owing to the translucent character of the member 5 some of the light rays will pass through it but because of its color these rays are not glaring rays.

With my invention the beam of light coming from a headlight will have a red center and an annular portion of white light. By having the center of the beam of a color contrasting with the white light I find that the glaring effect is materially reduced.

In Fig. 4 I have shown a different way of attaching the glare-preventing member 5 to the lens 4. In this embodiment said member 5 is formed initially with a dovetail boss 17 which fits in a corresponding opening 16 formed in the lens 4. This construction may be formed by casting one of the elements about the other.

It is also possible to apply my invention to tail lights in which case the member 5 will be of some color which contrasts with the red color of the tail light glass or lens.

I claim:

In an automobile light, the combination with a lamp body having a lens, of a bulb within the lamp body, and a glare-preventing element of translucent glass on the front face of the lens in the axial line of the lamp, said glare-preventing element having a flat rear

face which fits against the front face of the lens, which rear face is provided with a dovetail recess, an anchoring bolt extending through the lens and having its head occupying the recess, said recess being filled with a filling material which anchors the head therein, the front face of the lens having a general convex shape but being formed with a plurality of individual flat faces, and said glare-preventing element having a color contrasting with that of the lens.

In testimony whereof I have signed my name to this specification.

CHARLES W. SHIPPEE.