May 26, 1925. 1,539,753

T. J. McCAIN

HEADLIGHT

Filed July 9, 1923 2 Sheets-Sheet 1

Fig. 1.

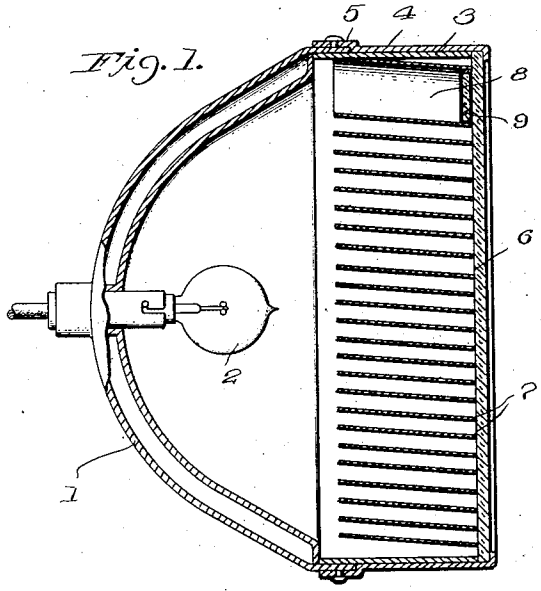
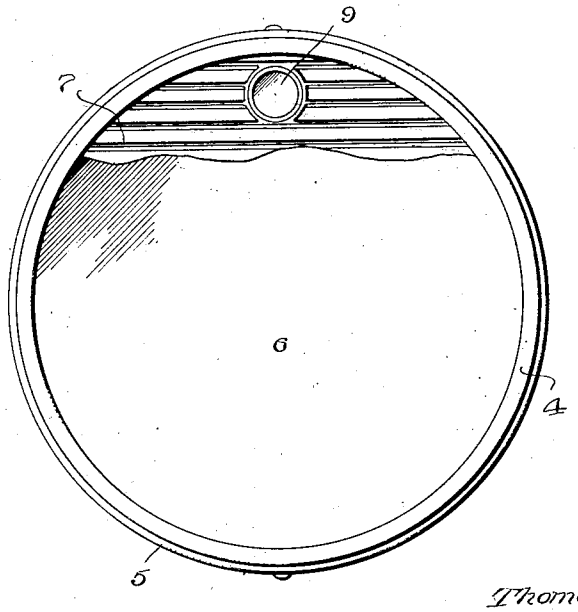


Fig. 2.



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Fig. 3.

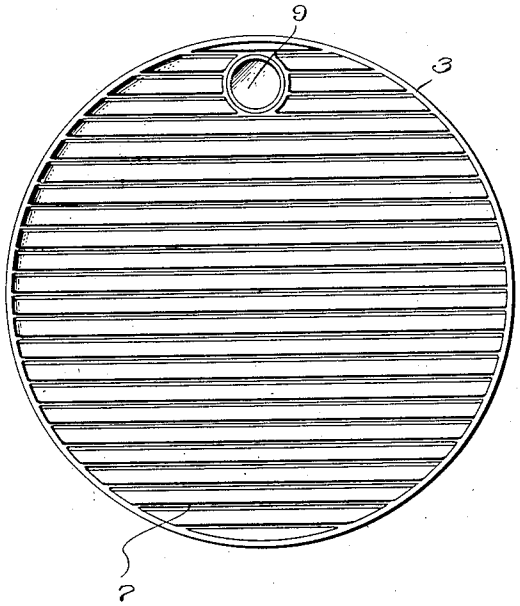


Fig. 4.

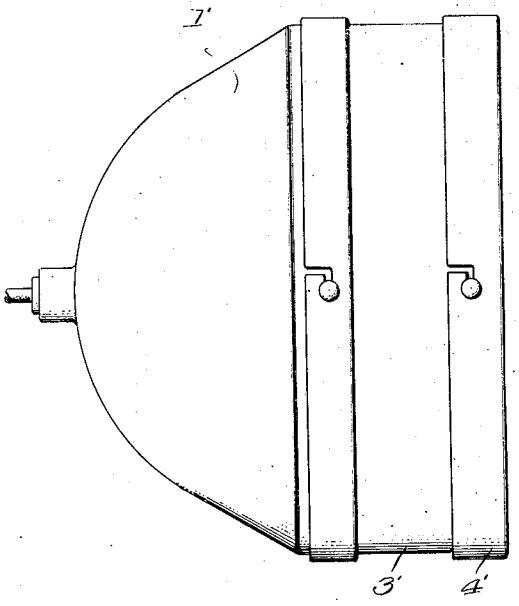
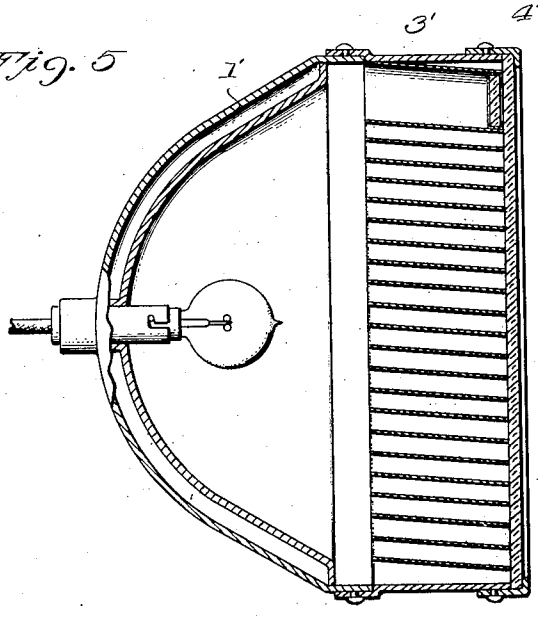


Fig. 5



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Patented May 26, 1925. 1,539,753

UNITED STATES PATENT OFFICE.

THOMAS J. McCAIN, OF ARCH CREEK, FLORIDA.

HEADLIGHT.

Application filed July 9, 1923. Serial No. 650,461.

To all whom it may concern:

Be it known that I, THOMAS J. McCAIN, a citizen of the United States, residing at Arch Creek, in the county of Dade and State of Florida, have invented new and useful Improvements in Headlights, of which the following is a specification.

This invention relates to a head lamp for motor vehicles and the like, the general object of the invention being to provide means for directing the rays of light downwardly so as to prevent glare from the lamp blinding persons on the road in front of the vehicle.

Another object of the invention is to provide means for permitting some of the rays of light to pass through a colored transparent member so that the drivers of other cars can readily see the car to which the device is attached.

This invention also consists in certain other features of construction and in the combination and arrangement of the several parts, to be hereinafter fully described, illustrated in the accompanying drawings and specifically pointed out in the appended claim.

In describing my invention in detail, reference will be had to the accompanying drawings wherein like characters denote like or corresponding parts throughout the several views, and in which:—

Figure 1 is a sectional view through a lamp constructed in accordance with this invention.

Figure 2 is a front view.

Figures 3 and 4 are detail views of the central member.

Figure 5 is a sectional view showing a modification.

In these views 1 indicates the body of the lamp which can be made of any desired shape, though the drawings show it of semicircular shape. This body carries the usual socket for holding the bulb 2. A cylindrical member 3 is arranged to partly fit within the front part of the body and to be enclosed by a front part 4 which has its rear part 5 overlapping the front part of the body. This part 4 carries a transparent disc 6. The member 3 is provided with a plurality of cross strips 7 which are arranged on a slight inclination and are spaced apart so that the rays of light must pass through them and thus be directed downwardly upon the road. These strips are placed at such an inclination that persons standing in front of the vehicle will not be blinded by the rays from the lamp. A horizontal opening 8 is formed in the upper part of the central member by cutting away portions of the strips 7 at the top of the member and the outer end of this opening carries a lens 9 of colored glass so that some of the rays of light will pass through this lens and can be readily seen by drivers or pedestrians in front of the vehicle. This will permit the other drivers to properly gage the distance between the approaching vehicle and his own vehicle as the downwardly deflected rays might confuse drivers approaching a vehicle equipped with this device.

In the modification the central member 3′ is so formed that it overlaps the front part of the body 1′ and its front part is overlapped by the front section 4′. In other respects this lamp is similar to that before described. In the modification a part of the member 3′ is exposed while in the first form said central member is located entirely within the lamp body.

It is thought from the foregoing description that the advantages and novel features of my invention will be readily apparent.

I desire it to be understood that I may make changes in the construction and in the combination and arrangement of the several parts, provided that such changes fall within the scope of the appended claim.

What I claim is:—

A lamp of the character described comprising a body, a relatively wide cylindrical member including a plurality of transversely extending downwardly inclined spaced rows of strips, a transparent lens positioned in advance of said strips, the upper portion of said cylindrical shaped member having horizontal openings therein formed in the upper part of the cylindrical member by cutting away portions of the strips at the top of the member and carrying in advance of said openings an auxiliary translucent member which may be readily seen by approaching drivers or pedestrians.

In testimony whereof I affix my signature.

THOMAS J. McCAIN.