Nov. 20, 1923. 1,474,714

C. A. HARTMANN

AUTOMOBILE HEADLIGHT DEVICE

Filed Dec. 14, 1921

Fig. 1.

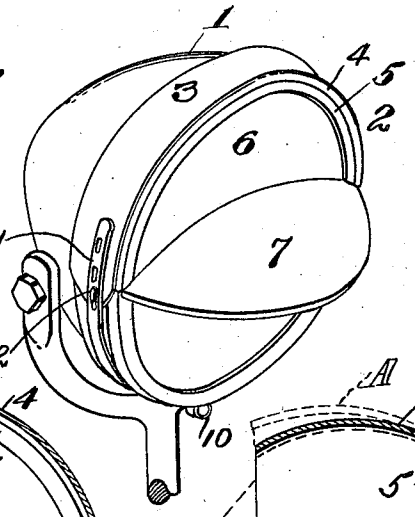


Fig. 3.

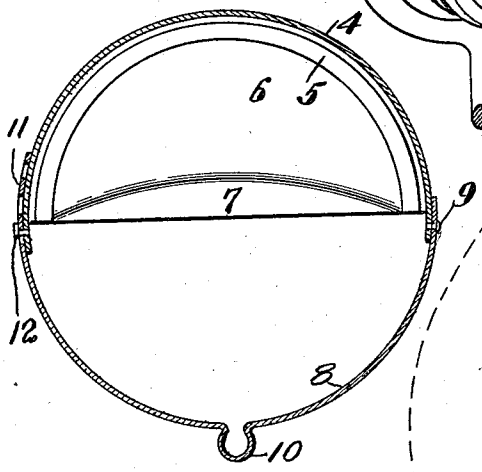


Fig. 2.

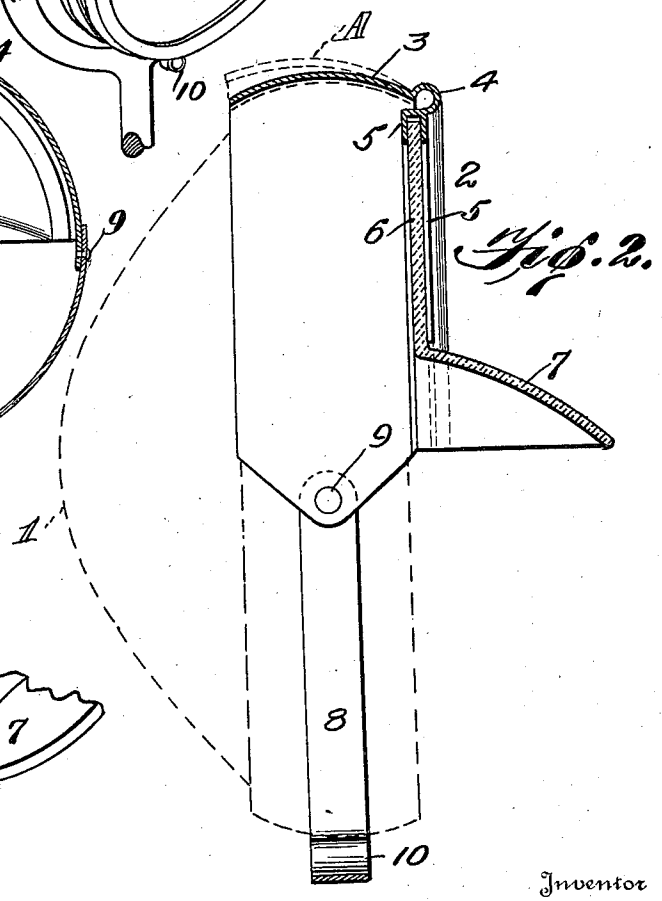
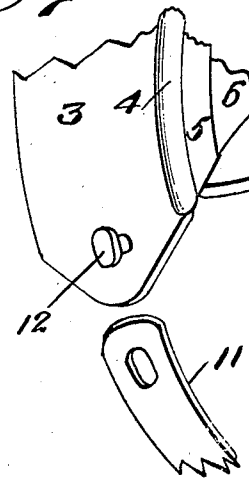


Fig. 4



Inventor

Charles A. Hartmann

By E. C. Groome & Co.,

His Attorneys

Patented Nov. 20, 1923. 1,474,714

UNITED STATES PATENT OFFICE.

CHARLES A. HARTMANN, OF SAN ANTONIO, TEXAS.

AUTOMOBILE HEADLIGHT DEVICE.

Application filed December 14, 1921. Serial No. 522,269.

To all whom it may concern:

Be it known that I, CHARLES A. HARTMANN, a citizen of the United States, residing at San Antonio, in the county of Bexar and State of Texas, have invented certain new and useful Improvements in Automobile Headlight Devices, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to an automobile headlight device for dimming or throwing the rays of the headlight downwardly, and the object of the invention is the construction of a simple and efficient device that can be quickly attached to, or detached from a headlight.

With this and other objects in view, my invention comprises certain novel combinations, constructions and arrangements of parts as will be hereinafter described, illustrated in the accompanying drawings, and more particularly pointed out in the appended claim.

In the drawings:

Figure 1 is a perspective view of a device constructed in accordance with the present invention on a lamp.

Figure 2 is a vertical, transverse, sectional view of the device, while

Figure 3 is a vertical, longitudinal, sectional view of the same.

Figure 4 is a fragmentary, perspective view of the device showing particularly the locking portion of the locking band.

Referring to the drawings by numerals, 1 designates the headlamp of a motor vehicle and 2 is my device thereon (Fig. 1).

The device 2 comprises a resilient body 3 formed of yielding metal that has an integral bow 4 formed along one of its edges, this spring bow terminating at its outer end in a glass holder 5, which holder is substantially U-shape in cross section (Fig. 2). In holder 5 is placed a glass 6, which glass is preferably of sufficient density, or is colored sufficiently to prevent the rays from the lamp shining too strongly therethrough; the main body of the glass 6 terminates at its lower end in an outwardly-extending curved brim 7 that is suitably treated on its inner or under face for reflecting the rays from the lamp 1 downwardly toward the ground or road.

The glass body 6 is held securely within the holder 5, whereas, the spring bow 4 allows the body 3 to have a sufficient expanding action, as shown in dotted lines at "A", Fig. 2, to readily fit upon lamps of varying sizes; this expansible or yieldable body 3 also facilitates the quick adjustment, or placement of my device upon a lamp.

To positively hold the device upon the lamp, a locking band 8 is pivotally mounted, at 9, upon the body 3, and this band is provided with a springy loop or grip portion 10, which allows the band to be stretched to place the apertured end 11 upon the headed stud 12, after the device 2 has been placed upon lamp 1; this band 8 constitutes locking means for positively holding the device upon a lamp.

It is to be understood that there will be a certain amount of light shown through the glass body 6, whereas, the brim 7 will be practically non-transparent and will be used to reflect the rays downwardly that strike against the inner face of the brim.

While I have described the preferred embodiment of my invention, and have illustrated the same in the accompanying drawings, certain minor changes or alterations may appear to one skilled in the art to which this invention relates, during the extensive manufacture of the same and I, therefore, reserve the right to make such alterations or changes as shall fairly fall within the scope of the appended claim.

What I claim is:

In a device of the character described, the combination of a body formed of resilient material and curved longitudinally and transversely and provided at its forward edge with an integral spring bow substantially circular in cross section and having a free edge portion extending beneath the forward edge portion of the body and provided with depending flanges forming a seat, a dimmer plate for the upper portion of a head-light lens having its peripheral edge portions fitting in said seat and adapted to be positioned in front of the head-light lens when the body is in place upon the upper portion of the head-light, and a fastener strip for extending about the lower portion of the head-light and engaging the ends of said body to draw the body into close engagement with the head-light.

In testimony whereof I hereunto affix my signature.

CHARLES A. HARTMANN.