

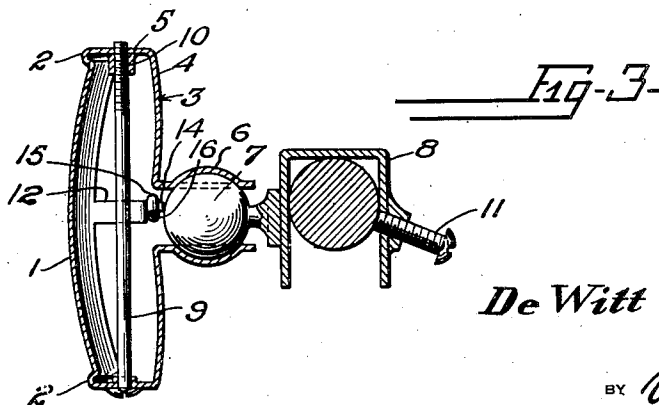
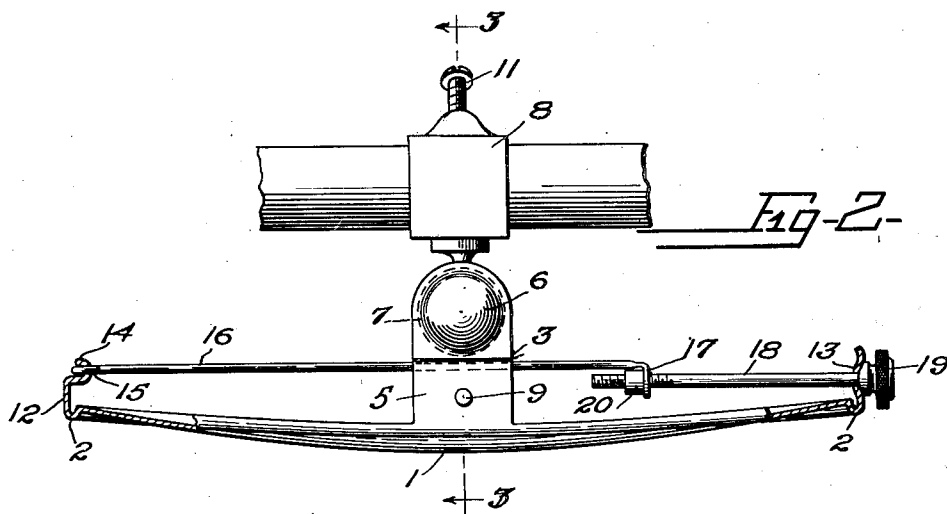
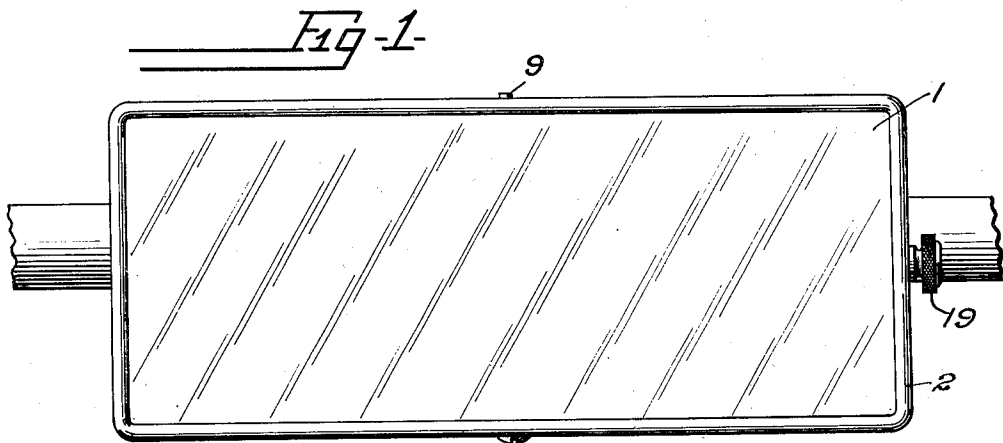
May 23, 1933.

DE WITT T. MOATS

1,910,119

AUTOMOBILE REAR VIEW REFLECTOR

Filed May 23, 1932



De Witt T. Moats

INVENTOR

BY *Victor J. Evans & Co.*

ATTORNEY

WITNESS:
H. J. Meader

UNITED STATES PATENT OFFICE

DE WITT T. MOATS, OF COLUMBUS, OHIO

AUTOMOBILE REAR VIEW REFLECTOR

Application filed May 23, 1932. Serial No. 613,067.

This invention relates to rear view reflectors and has for the primary object, the provision of a device of the above stated character having a reflecting surface capable of flexation and means for varying the amount the reflecting surface may be flexed so that smaller and greater areas may be reflected by the device.

Another object of this invention is the provision of a reflecting device of the above stated character which is practical and indestructible and having means for permitting adjustment of the device relative to its support which also permits the device to be easily and quickly mounted and demounted when desired.

With these and other objects in view, this invention consists in certain novel features of construction, combination and arrangement of parts to be hereinafter more fully described and claimed.

For a complete understanding of my invention, reference is to be had to the following description and accompanying drawing, in which

Figure 1 is a front elevation illustrating a rear view reflector constructed in accordance with my invention.

Figure 2 is a top plan view partly in section illustrating the same.

Figure 3 is a sectional view taken on the line 3—3 of Figure 2.

Referring in detail to the drawing, the numeral 1 indicates a reflecting plate, one face of which is highly polished so as to readily reflect. A marginal beading 2 is provided for the plate by crimping said plate at the edges thereof. The plate 1 is curved longitudinally and transversely to provide its reflecting surface of convex formation both transversely and longitudinally thereof.

Attaching arms 3 are formed integrally with the upper and lower edges of the plate 1 and extend rearwardly from the reflecting face or surface thereof. The arms 3 include angularly related portions 4, 5 and 6, the portions 6 being concave to cooperate with each other in receiving a ball or sphere 7 formed on an attaching bracket 8. One

of the portions 5 is apertured to receive a headed bolt 9 which is threaded through an enlarged apertured portion 10 formed on the other portion 5 so as to bring about a frictional gripping of the portions 6 to the ball or sphere 7, consequently permitting the plate 1 to be adjusted at various angles relative to its bracket 8 or the support to which the bracket is applied. The bracket 8 is anchored to a support by a set bolt 11.

Rearwardly extending ears 12 and 13 are formed on the ends of the plate and the ear 12 is bent to form a hook 14 engaging an eye 15 on a rod 16. The rod 16 at its opposite end is provided with an apertured eye 17 to receive an adjusting bolt 18 journaled in an aperture within the ear 13 and provided with a finger piece 19 to facilitate the rotation thereof. An internally screw threaded enlargement or bearing 20 is formed on the apertured ear 17 and has the adjusting bolt 18 threaded thereto so that the curvature of the plate 1 longitudinally thereof may be increased and decreased as desired which permits or causes the reflecting surface or face of the plate to reflect smaller or greater areas, as desired.

A reflector constructed in accordance with the foregoing description and as shown in the drawing and due to the material from which it is made will to a great extent retard the condensing of moisture or frosting thereon and will be economical to manufacture and assemble, and further will be light in weight which will materially reduce vibration, frequently occurring in conventional types of reflectors that employ heavy plate glass mirrors.

While I have shown and described the preferred embodiment of my invention, it will be understood that minor changes in construction, combination and arrangement of parts may be made without departing from the spirit and scope of my invention, as claimed.

Having thus described my invention, what I claim is:—

1. A rear view reflector comprising a flexible plate having a reflecting surface and transversely and longitudinally curved to

form said reflecting surface of convex formation, ears on said plate, a rod connected to one of said ears, and an adjusting rod carried by the other ear and adjustably connected to said rod for flexing the plate to vary the curvature of the reflecting surface.

2. A rear view reflector comprising a flexible plate having a reflecting surface and transversely and longitudinally curved to form said reflecting surface of convex formation, ears on said plate, a rod connected to one of said ears, an adjusting rod carried by the other ear and adjustably connected to said rod for flexing the plate to vary the curvature of the reflecting surface, arms on said plate and having concave portions, a sphere received by said portions, an attaching bracket for the sphere, and an adjustable means between said arms.

3. A rear view reflector comprising a flexible plate having a reflecting surface and transversely and longitudinally curved to form said reflecting surface of convex formation, ears on said plate, a rod connected to one of said ears, an adjusting rod carried by the other ear and adjustably connected to said rod for flexing the plate to vary the curvature of the reflecting surface, arms on said plate and having concave portions, a sphere received by said portions, an attaching bracket for the sphere, and a headed bolt extending through one of the arms and threaded to the other arm.

In testimony whereof I affix my signature.

DE WITT T. MOATS.