E. E. SAYLOR.

WIND SHIELD PROTECTING AND SHADING ATTACHMENT.

APPLICATION FILED MAR. 31, 1917.

1,285,804.

Patented Nov. 26, 1918.

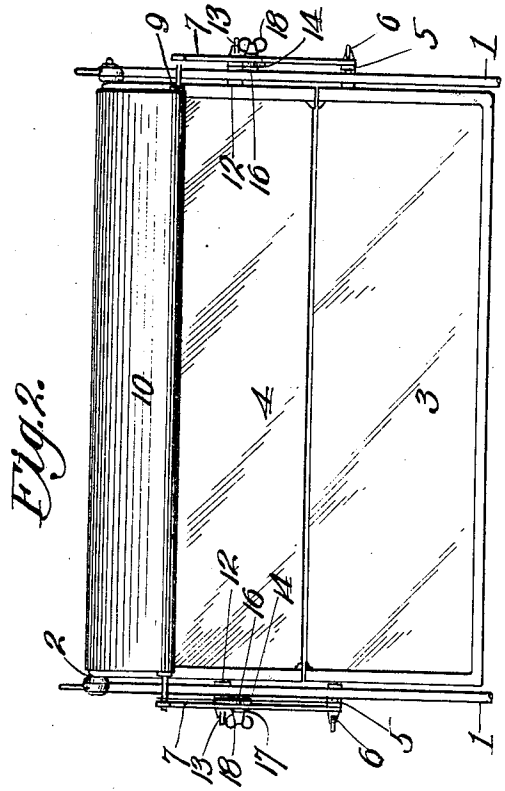


Fig. 2.

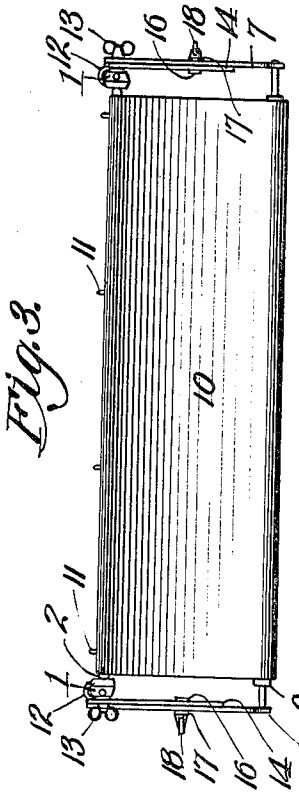


Fig. 3.

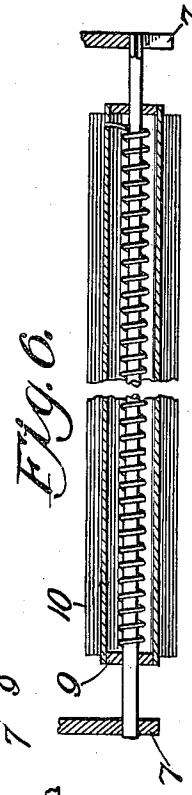


Fig. 6.

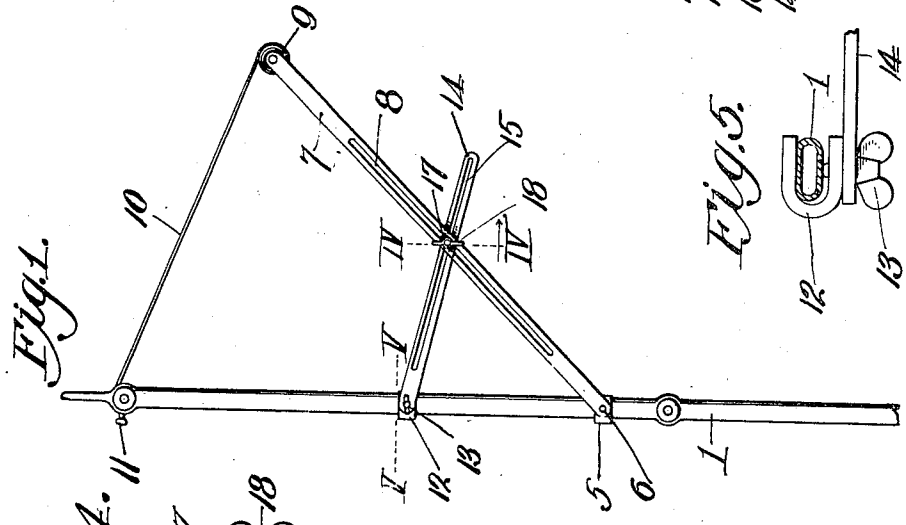


Fig. 1.

Fig. 5.

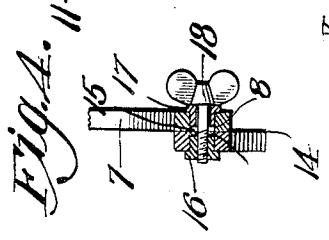


Fig. 4.

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WIND-SHIELD PROTECTING AND SHADING ATTACHMENT.

1,285,804. Specification of Letters Patent. Patented Nov. 26, 1918.

Application filed March 31, 1917. Serial No. 159,019.

To all whom it may concern:

Be it known that I, EARL E. SAYLOR, a citizen of the United States, residing at Bladen, in the county of Webster and State of Nebraska, have invented certain new and useful Improvements in Wind-Shield Protecting and Shading Attachments, of which the following is a specification.

This invention relates to wind shield protecting and shading attachments, and my object is to produce a device by which the upper part or member of the wind shield of an automobile can not only be kept clear of rain or snow but also can be shaded and protected.

A further object is to produce an attachment for efficiently performing the functions mentioned, which can be manufactured cheaply, and which can be easily and quickly applied in or removed from operative position.

To these ends the invention consists in certain novel features of construction and combinations of parts as hereinafter described and claimed; and in order that the invention may be fully understood reference is to be had to the accompanying drawing, in which:

Figure 1, is a side view of a wind shield equipped with an attachment embodying my invention.

Fig. 2, is a front view of the same on a scale one-half of that of Fig. 1.

Fig. 3, is a top view on the same scale as Fig. 2.

Fig. 4, is an enlarged section on the line IV—IV of Fig. 1.

Fig. 5, is an enlarged vertical section on the line V—V of Fig. 1.

Fig. 6, is a broken longitudinal section of the attachment.

In the said drawing, 1 indicates the vertical sides, 2 the top bar connecting the sides and 3 the lower member and 4 the upper member of what is known as a clear vision wind shield, though it is to be understood that the attachment is adapted for use on any kind of a wind shield.

The attachment is constructed as follows: 5 is a pair of substantially U-shaped clamps fitting upon the sides 1 and secured firmly thereto by clamping screws 6, and said screws form pivots for a pair of swing bars 7. The swing bars are provided with longitudinal slots 8 and pivoted in the upper ends of said bars is a spring roller 9, corresponding in all substantial respects to an ordinary shade roller except that it lacks devices for locking it against rotation in either direction, and secured at one end to the said roller is a mohair or equivalent shade 10, the same extending over the top bar 2 and being attached thereto, preferably by buttoning it upon a series of buttons 11 projecting from the rear side of said top bar, as shown most clearly in Fig. 3.

12 is a pair of clamps corresponding to those already described and secured by clamping screws 13 upon the sides 1 of the wind shield, at a suitable height above clamps 5, and pivoted on said set screws are braces 14 which fit flatly against the swing bars 8 and are provided with longitudinal slots 15.

As shown the braces 14 are preferably disposed at the inner sides of swing bars 7, and fitting in the slots and capable of sliding adjustment therein are blocks 16. Blocks 17 fit slidingly in the slots 8 of swing bars 7, and journaled in blocks 17 and screwed into the adjacent blocks 16 are clamping screws 18. When said screws are screwed home, they draw the blocks 16 and 17 together and thus clamp the swing bars and braces rigidly together at the angle desired to hold the swing bars in operative position, that is swung forward to a position where the shade shall perform its function of protecting the upper member of the wind shield from rain or snow, so that the vision of the driver shall be unobstructed and therefore the operation of the car made less hazardous than is the case in rainy and snowy weather with an unprotected wind shield. It is also apparent that the shade can be set in operative position so as to remove the glare of the sun from the upper part of the wind shield, thereby not only making the operation of the car safer but relieving the operator's eyes of considerable strain.

When the operator desires to set the attachment in inoperative position, he slightly loosens clamping screws 18. As this is accomplished the pull of the spring to wind the shade upon the roller results in swinging the swing bars 7 back toward the wind shield, and as the parts are shown it is possible for the bars 7 to swing back until they are approximately parallel with the sides 1, that is until the roller with the shade fully wound thereon, is disposed against the top

bar of the wind shield. In disposing the attachment in inoperative position it may be desirable to resist the spring roller if too strong, by holding onto the swing bars and thus preventing the attachment from coming back against the wind shield with undesirable force. When the swing bars swing back to the position mentioned, the braces will swing upward, and the clamping blocks and screws 16 to 18 inclusive, will slide in said slots, to accommodate the swinging of the swing bars and braces around different centers.

To set the attachment in operative position, the bars 7 are simply swung forward and the clamping screws 18 turned to clamp the braces and swing bars in rigid relation.

From the above description it will be apparent that I have produced a protecting and shading attachment for wind shields which will not only prove efficient in the respects mentioned in the statement of the object of the invention, but will also act to some extent as a protection against thrown or batted balls.

While the embodiment disclosed is that which now seems to me the preferred construction, it will be understood that I reserve the right to make such changes in form, proportion, detail construction and arrangement of the parts as properly fall within the spirit and scope of the appended claims.

I claim:

1. The combination with a wind shield of a pair of swinging arms bearing a pivoted relation at their lower ends to the sides of the wind shield, braces bearing a pivotal and slidable relation to the sides of the wind shield and extending across said swing bars respectively, means for clamping the braces and swing bars together at their points of intersection, a shade extending between the upper ends of the swing bars and the top of the wind shield and detachably secured at one end, and a journaled spring roller attached to the other end of the shade and adapted for automatically winding the same upon the roller to effect movement of the swing bars toward a vertical position.

2. The combination with a wind shield embodying vertical side bars, a pair of hooks slidably engaging said side bars, a pair of swing bars pivoted to said hooks, a spring roller journaled in the upper ends of said swing bars, a shade secured at one end on said roller and extending and detachably secured to the upper end of the wind shield, a pair of hooks slidably engaging said side bars above the first-named hooks, braces pivoted to said second pair of hooks and extending across said swing arms, and means adjustable longitudinally of both the swing arms and the braces, for firmly clamping the same together to prevent pivotal operation of said swing bars.

In testimony whereof, I affix my signature, in the presence of two witnesses.

EARL E. SAYLOR.

Witnesses:
C. A. EASTERLY,
V. A. HALL.