Sept. 11, 1923. 1,467,766

S. MEADOWS

SHADE FOR WINDSHIELDS OF AUTOMOBILES

Filed Oct. 28, 1921 2 Sheets-Sheet 1

Fig. 1.

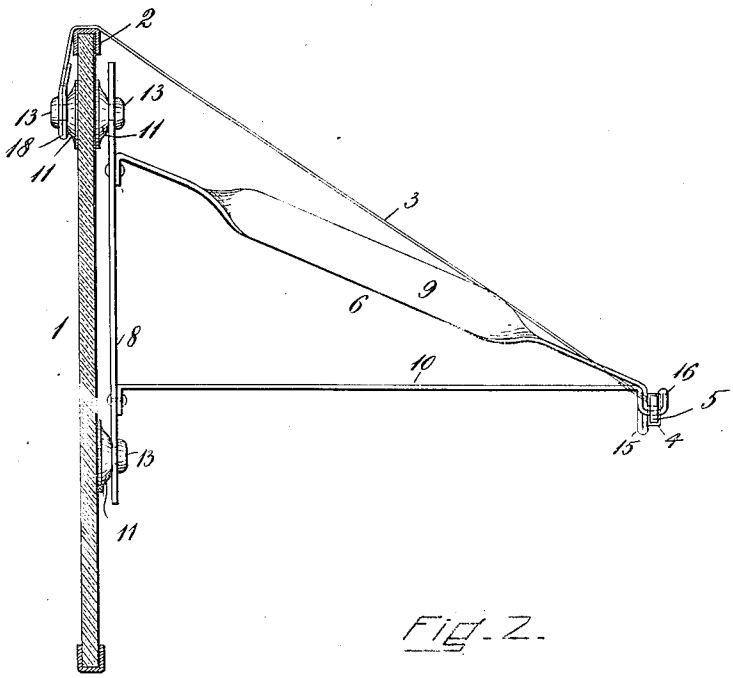
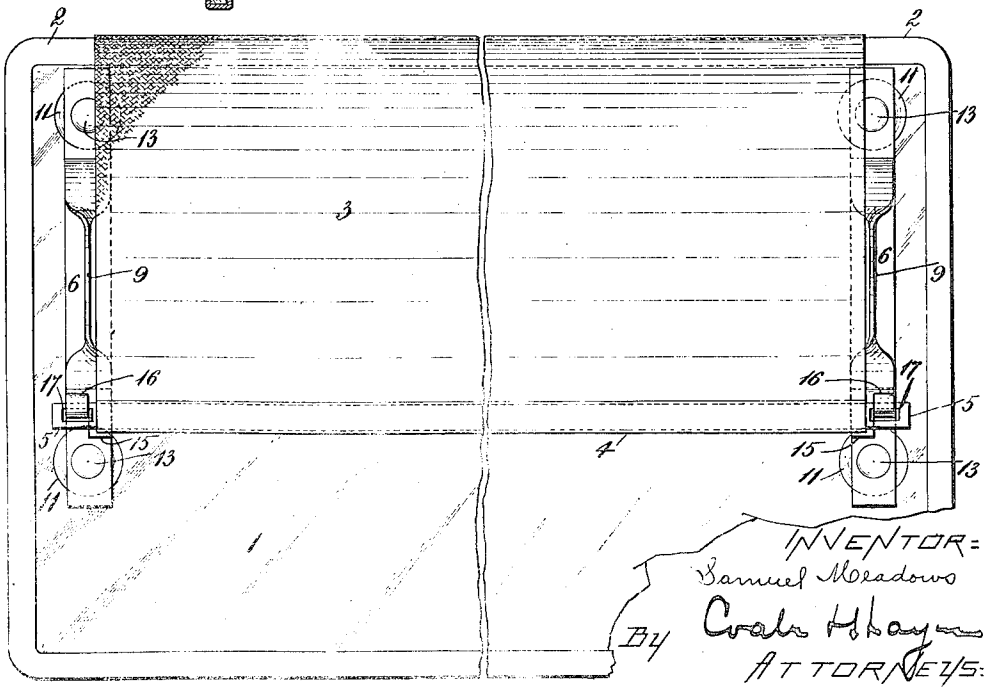


Fig. 2.



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Fig. 3.

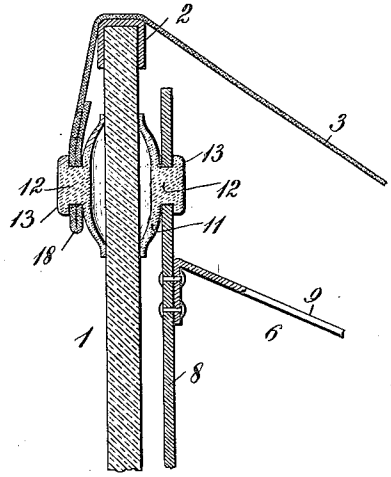


Fig. 4.

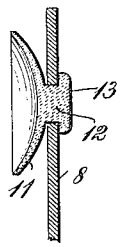


Fig. 5.

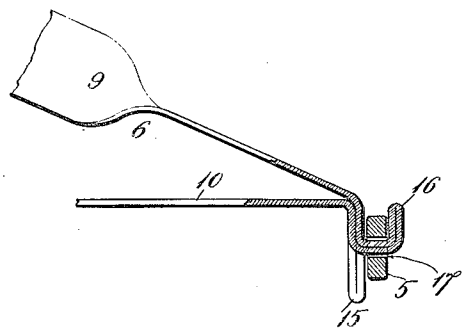
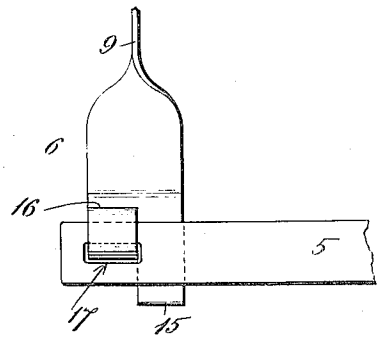


Fig. 6.



INVENTOR:
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ATTORNEY.

Patented Sept. 11, 1923. 1,467,766

UNITED STATES PATENT OFFICE.

SAMUEL MEADOWS, OF BOSTON, MASSACHUSETTS.

SHADE FOR WINDSHIELDS OF AUTOMOBILES.

Application filed October 28, 1921. Serial No. 511,169.

To all whom it may concern:

Be it known that I, SAMUEL MEADOWS, of Boston, in the county of Suffolk and State of Massachusetts, a citizen of the United States, have invented a new and useful Improvement in Shades for Windshields of Automobiles, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part of this specification in explaining its nature.

The invention relates to a shade or curtain overhanging the windshield of an automobile for protecting it from rain and also for cutting off rays of sunlight from the eyes of the driver.

While a shade of the above character is a most desirable adjunct, yet occasions when it is required are more or less infrequent and a shade of a permanent character is hardly necessary, irrespective of the expense involved.

The object of my invention is to provide an attachable shade consisting of a few assembled parts which can be easily applied to the windshield when occasion demands or removed from it and, when removed, disassembled to occupy a very small space so that it may be conveniently carried.

It is a further object of my invention to provide a shade that will be efficient for accomplishing the purpose for which it is designed and one that can be manufactured and sold at a relatively low cost.

The invention can best be seen and understood by reference to the drawings, in which—

Figure 1 is a side elevation of the shade applied to a windshield.

Fig. 2 is a front elevation thereof.

Figs. 3 and 4 are vertical sections of portions of the shade to which reference will hereinafter be made.

Fig. 5 is a view partly in side elevation and partly in section of certain parts of the shade, and

Fig. 6 is a front elevation of the parts shown in Fig. 5.

Referring to the drawings:—

1 represents the glass of the windshield and 2 that portion of the sash extending along the top of the glass.

3 represents a curtain which may consist of any suitable material. A flexible waterproofed textile material is preferably employed, which can be folded when not in use.

The outer edge 4 of the curtain is doubled and hemmed to form a pocket through which extends a rod 5. This rod is borne by fixtures 6, 6 attached to the glass on the face or front side of the windshield. These fixtures are alike each comprising bars 8, 9 and 10, respectively, preferably made of some relatively thin sheet metal of sufficient stiffness to serve as a supporting frame for the curtain.

Of these bars the bars 8 are designed to assume a relatively vertical position on the front of the glass at either side thereof and are secured to the glass by suction disks 11 located at the top and bottom of the respective bars. Each of the disks has a neck portion 12 and flange-forming head 13. The heads 13 are passed through openings formed in the bars 8 and overlap the openings with the neck portions of the disks contained within the openings by which means the disks are held securely in place fixed to the bars.

The bars 9 and 10 are attached to the bars 8 preferably by riveting and project forward therefrom in a manner suitable for supporting the curtain rod. It is preferred that the bars 9 and 10 be made integral and folded to form an outer dependent edge portion 15, there being cut from this edge portion a curved tongue 16 on which the curtain rod is hung by means of openings 17 at either end of the rod and through which the tongues extend. Thus supported the curtain rod will hang upon the tongues 16 with bearing against the edges 15 of the fixtures and the curtain on the rod, with the fixtures in place, will incline upwardly over the fixtures.

The curtain is of sufficient length to extend upwardly over the sash bar 2 along the top of the glass and thence downwardly by the rear side of the glass where the curtain is provided with a doubled end portion 18 which is secured to the rear side of the glass adjacent its top edge by means of suction disks 11 like those carried by the bars 8, the disks being secured to the doubled end of the curtain in the same manner as the disks are secured to said bars.

Thus formed the curtain is composed of separate parts comprising the curtain, curtain rod and the two separate fixtures. For assembling the parts the curtain rod is first passed through the pocket in the outer end of the curtain and then hung upon the

tongues of the respective fixtures. The fixtures are then applied to the glass and the curtain extended over the top of the glass drawn taut and the inner end thereof fastened to inner side of the glass.

The removal of the shade and disassembling of the parts are by an operation precisely reverse to the application to the windshield as above described.

The shade is one admitting of considerable variation in the inclination or extent of overhang of the curtain, this being essentially accomplished by locating the fixtures on the glass. The manner in which the inner end of the curtain is secured enables all slack in the curtain to be conveniently taken up.

The shade is usually attached to the pivoting glass of the windshield when such is used and when so attached does not interfere with the pivoting of the glass for opening, closing or otherwise positioning it.

Having thus fully described my invention, I claim and desire to secure by Letters Patent of the United States:—

1. An attachable shade for the windshield of an automobile having a glass panel, comprising a curtain, fixtures releasably attachable to the face of the glass on the front of the windshield, means for securing such attachment, means whereby the outer end of the curtain may be supported from off said fixtures when attached to the windshield and the curtain incline upwardly to extend over the windshield, and means whereby the inner end of the curtain may be releasably secured to the face of the glass on the back of the windshield.

2. An attachable shade for the windshield of an automobile having a glass panel, a set of fixtures releasably attachable to the face of the glass on the front of the windshield to occupy spaced positions in relation to one another, means carried by the fixtures for securing such attachment, a curtain, a curtain rod at the outer end of the curtain attachable to said fixtures whereby the rod may be retained thereby and the curtain incline upwardly to extend over the top of the windshield when the fixtures are in place attached thereto, and means carried by the curtain for securing the inner ends thereof to the face of the glass on the back of the windshield.

SAMUEL MEADOWS.