April 7, 1925. 1,532,308

R. DOWNING

GLARESHIELD

Filed Feb. 28, 1924

Fig. 1.

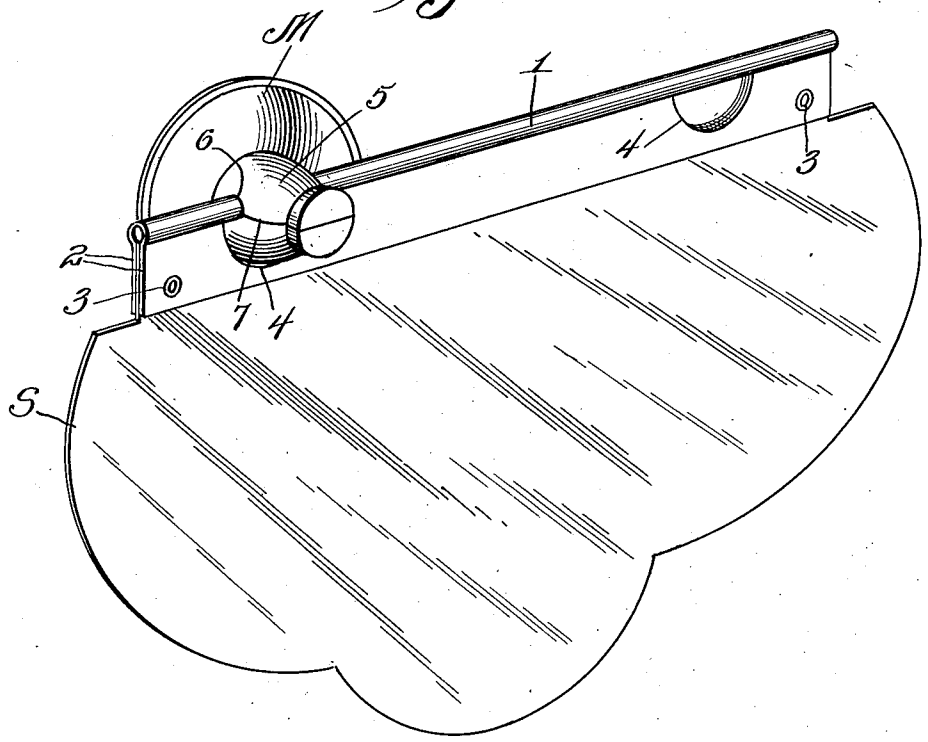


Fig. 2.

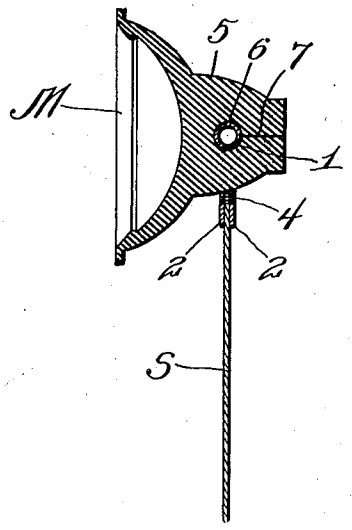
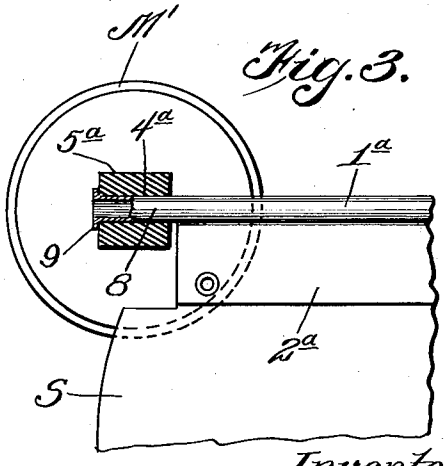


Fig. 3.



Inventor
Roswell Downing
Watson E. Coleman
Atty

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UNITED STATES PATENT OFFICE.

ROSWELL DOWNING, OF ONEIDA, NEW YORK.

GLARESHIELD.

Application filed February 28, 1924. Serial No. 695,772.

To all whom it may concern:

Be it known that I, ROSWELL DOWNING, a citizen of the United States, residing at Oneida, in the county of Madison and State of New York, have invented certain new and useful Improvements in Glareshields, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to certain improvements in glare shields and it is an object of the invention to provide a device of this general character comprising a light obstructing shield or screen together with a supporting or holding means therefor, said screen supporting or holding means embodying a novel and improved structure whereby the same may be assembled.

The invention consists in the details of construction and in the combination and arrangement of the several parts of my improved glare shield whereby certain important advantages are attained and the device rendered simpler, less expensive and otherwise more convenient and advantageous for use, as will be hereinafter more fully set forth.

The novel features of my invention will hereinafter be definitely claimed.

In order that my invention may be the better understood, I will now proceed to describe the same with reference to the accompanying drawings, wherein:—

Figure 1 is a view in perspective illustrating a glare shield constructed in accordance with an embodiment of my invention, one of the securing members being omitted;

Figure 2 is a sectional view taken through the device as illustrated in Figure 1; and

Figure 3 is a view partly in elevation and partly in section illustrating a glare shield constructed in accordance with a further embodiment of my invention.

As disclosed in the accompanying drawings, 1 denotes an elongated barrel split longitudinally and having its free longitudinal edges defined by the outstanding plates 2 between which is disposed a marginal portion of a shield or screen S, said barrel 1 and plates 2 constituting a clip. The shield or screen S and the overlapping plates 2 are secured one to the other, as at 3, in any desired manner. The screen or shield S is of colored, semi-opaque or opaque material. The plates 2 and the interposed marginal portion of the screen or shield S at predetermined points spaced longitudinally of the barrel 1 are provided with the openings 4, said openings being immediately adjacent to the barrel 1.

Associated with the barrel 1 are the attaching or securing members M, each constituting a vacuum cup having extending from its rear a relatively heavy boss or lug 5 of yieldable material such as the conventional rubber compound. The boss or lug 5 immediately adjacent to the cup M proper has disposed therethrough an opening 6, the outer end portion of said boss or lug having disposed therethrough a cut 7 in communication with the opening 6. By this means, the boss or lug 5 may be readily engaged around the barrel 1, an adjacent opening 4 permitting the opposed faces of the cut 7 to have close contact one with the other whereby the wall of the opening 6 will have tight frictional contact with the barrel 1. By this means, the screen or shield S may be held in its various swinging or rocking adjustments by the action of the boss or lug 5 on the barrel 1.

In practice, after the cups M have been properly engaged with the barrel 1, the device in its entirety may be secured at substantially any point upon a windshield or the like as the requirements of practice may necessitate and particularly in such position to protect the driver of an automobile against the rays from the headlights of an approaching car.

In the embodiment of my invention as disclosed in Figure 3, the barrel 1^a is extended beyond the ends of the plates 2^a and said extended portions 8 are disposed through an opening 4^a provided in the solid boss or lug 5^a extending rearwardly from a supporting member M′ herein disclosed as a vacuum cup. After the member M′ has been applied, the outer end of the adjacent extension 8 is spread, as at 9, so that the applied member M′ is effectively held against displacement.

The opening 4^a is of such size to assure tight frictional contact of the boss or lug 5^a with its associated extension 8 so that the screen or shield S may be effectively maintained in different swinging or rocking adjustments.

From the foregoing description it is thought to be obvious that a glare shield

constructed in accordance with my invention is particularly well adapted for use by reason of the convenience and facility with which it may be assembled and operated, and it will also be obvious that my invention is susceptible of some change and modification without departing from the principles and spirit thereof and for this reason I do not wish to be understood as limiting myself to the precise arrangement and formation of the several parts herein shown in carrying out my invention in practice except as hereinafter claimed.

I claim:—

1. A device of the character described comprising, in combination, a securing member provided with an outstanding lug of yieldable material having a diametral opening therethrough, and a screen having a part disposed through the opening of the lug and in close frictional engagement with said lug.

2. A device of the character described comprising, in combination, a securing member provided with an outstanding lug of yieldable material having an opening therethrough, and a screen having a part disposed through the opening of the lug and in close frictional engagement with said lug, said lug having a cut in communication with the opening therein, said cut providing an entrance to the opening in the lug to permit the requisite assembly of the screen and securing member.

3. A device of the class described comprising, in combination, a suction cup provided with an outstanding lug having a diametral opening therethrough, and a screen having a part disposed through the opening of the lug to permit the screen and suction cup to have relative swinging movement.

4. A device of the class described comprising, in combination, a suction cup provided with an outstanding lug having a diametral opening therethrough, and a screen having a part disposed through the opening of the lug to permit the screen and suction cup to have relative swinging movement, said lug being of yieldable material and having close frictional engagement with the part of the screen disposed through the opening of the lug.

5. A device of the class described comprising, in combination, a plurality of suction cups provided with outstanding lugs, a clip having parts disposed through the lugs whereby the clip and lugs are connected for relative swinging movement, and a screen carried by said clip.

In testimony whereof I hereunto affix my signature.

ROSWELL DOWNING.