Feb. 9, 1932. C. F. LITTLEJOHN 1,844,289

GLARE SHIELD

Filed Feb. 19, 1929

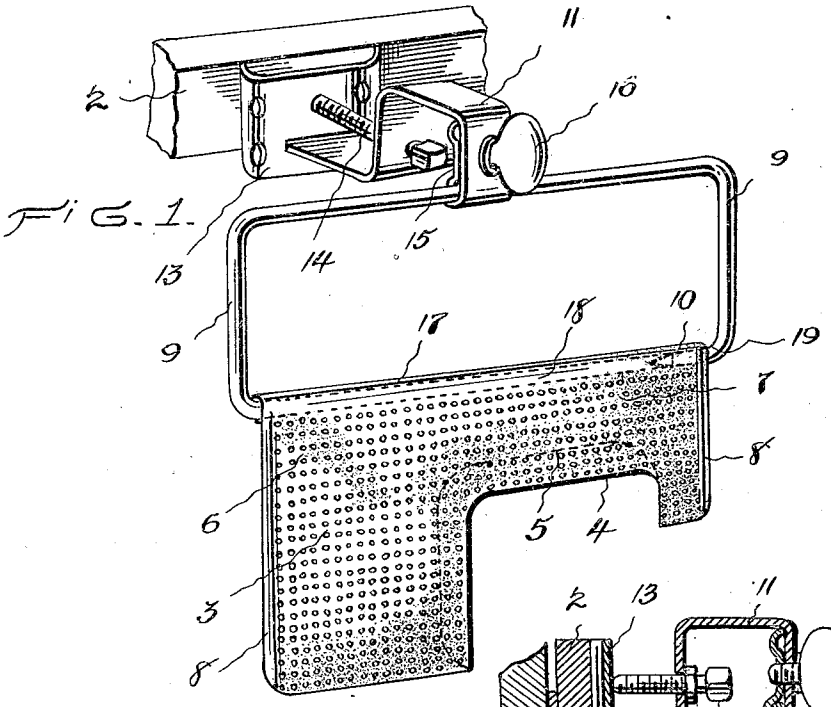


FIG. 1.

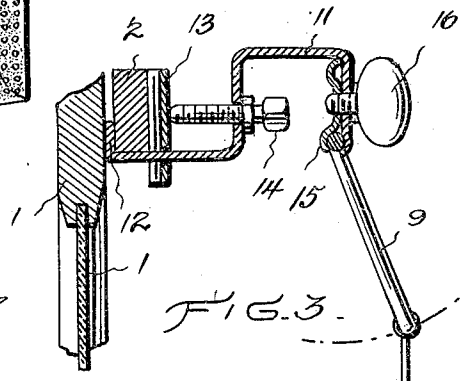


FIG. 3.

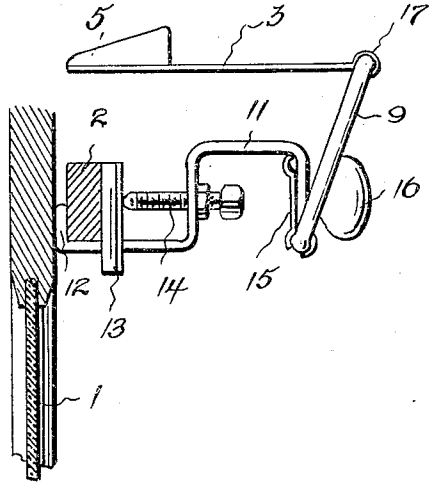
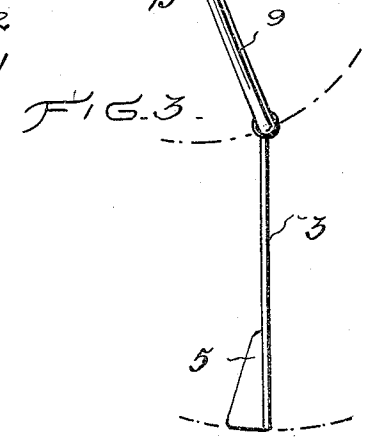


FIG. 2.



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UNITED STATES PATENT OFFICE

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GLARE SHIELD

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The present invention relates to glare shields or devices employed especially with automobiles to nullify the bad effect of glare from brilliant headlights of approaching automobiles. Heretofore, various forms of glare shields have been proposed which employ a disc or sheet composed of translucent material, such for example, as colored glass, celluloid or a sheet of finely perforated metal. Different means of support have been proposed and it is the main object of this invention, amongst others to provide an efficient supporting means whereby said sheet or glare shield may be readily adjusted into positions to meet the variable requirements. Another object is to support the shield rigidly so as to eliminate undesirable independent vibration of the shield. Still another object is to provide a supporting means which may be readily attached in operative relations with the wind shield of either open or closed automobiles.

An embodiment of the invention will be more particularly described hereinafter with reference to the accompanying drawings wherein—

Figure 1 is a perspective view showing the complete glare shield and support in one operative position.

Figure 2 is a side elevation partly in section showing the improved device in the preferred folded position, and

Figure 3 is a sectional view of the improved glare shield and support showing the shield in another adjusted position.

Referring to said drawings, the improved glare shield is shown as applied to the windshield 1, of a closed automobile, and in which case there is the usual cross bar 2 which provides a convenient support for its supporting means. The glare shield as shown, is composed preferably of a sheet 3 of perforated metal which is of a size and shape that will best meet the requirements. The glare shield shown is of substantially rectangular shape having one corner thereof cut away at 4. This cut away portion leaves an opening which is bound by visor 5. The glare shield so constructed has a major part 6 at one side and the lateral extending portion 7, which latter is located above the opening 4. The glare shield is further ribbed at 8, so as to stiffen the edges thereof.

The support for the above described glare shield comprises the continuous elongated frame or hanger 9, which is capable of being opened at the point 10 where the two ends come together. The frame 9 is adjustably carried by the bracket 11. This bracket 11 is secured to the cross bar 2 by means of the hooked end 12 of the bracket in conjunction with the loose plate 13. The plate 13 is securely held against the bar 2 by means of the screw 14 and which screw has a head whereby it may be tightened by means of a wrench so as to insure the rigid fixing of the bracket in the desired position. The frame 9 is secured to the bracket by means of a clamping device comprising the plate 15 and the thumb-nut 16.

The upper edge of the glare shield is rolled over at 17 and to assemble the device, the longest leg 18 of the frame 9 is inserted into the rolled over edge 17. The short leg 19 of the frame 9 was sprung apart from the leg 18 to permit of easy assembling and when the latter is effected, the short leg is then sprung back, so that the pointed end thereof, will be engaged in the recess in the other end of the other leg 18. It will be noted that the glare shield is capable of turning on the frame 9, and the frame 9 is capable of turning in the clamp 15, which connects the frame to the bracket. Also the frame 9 is capable of sliding in the clamp whereby the frame carrying the glare shield, may be adjusted laterally.

The above described means for supporting the glare shield can be adjusted into various operative positions to meet different requirements. Furthermore, the improved support, besides permitting practically unlimited adjustment, also provides a rigid support for the glare shield. The latter support being suspended from the closed supporting frame and the latter being held by a rigid bracket, comparatively little vibration occurs with the shield as in the case where the shield is carried by an arm supported only at one end. It will be noted that the thumb-screw 16 is preferably loosened when adjustment is to

be made and again tightened to hold the glare shield in any operative or in-operative position.

The bracket and connections employed with the supporting device are so constructed that they may be reversed or otherwise arranged to make them adaptable for direct securing to the wind-shield of an open automobile or said support may be readily adjusted in such instances where there are slight structural changes in the frame work of the automobile.

Various modifications may be made in carrying out this invention and it is to be understood any modification coming fairly within the terms of the appended claim shall be covered thereby.

I claim—

A device of the class described comprising a fixed bracket or support, a hanger, a glare shield suspended from said hanger, said hanger and glare shield being separately adjustable relatively to each other and with said bracket into determinable horizontal and vertical positions, said bracket being detachably secured to a fixed point adjacent to the inside surface of a wind-sheld, said hanger comprising an inverted substantially U-shaped member arranged to slide horizontally to and turn on said bracket, and said hanger having inturned ends lying within a rolled over edge of said glare shield whereby said glare shield is pivotally suspended from said hanger under frictional restraint.

Signed at New Haven, county of New Haven, State of Connecticut.

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