J. J. RICHARDS, JR.

GLARE SCREEN.

APPLICATION FILED OCT. 12, 1914.

1,158,005. Patented Oct. 26, 1915.

Fig. 1.

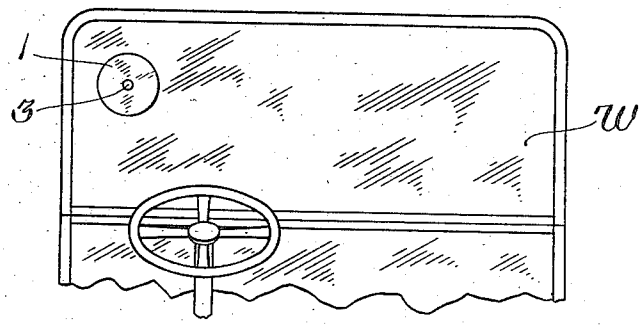


Fig. 2.

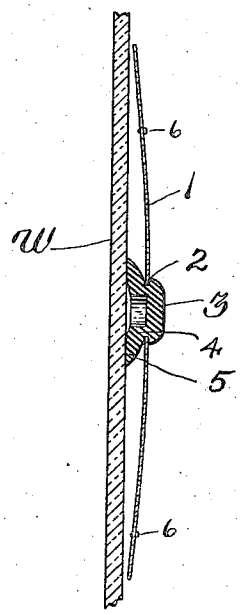


Fig. 3.

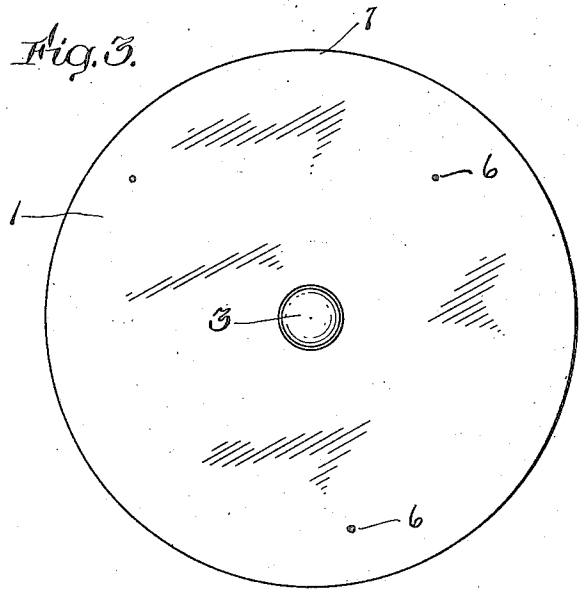
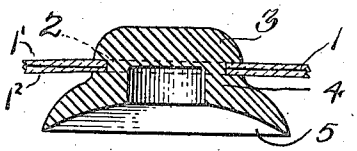


Fig. 4.



Witnesses:
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UNITED STATES PATENT OFFICE.

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GLARE-SCREEN.

1,158,005. Specification of Letters Patent. Patented Oct. 26, 1915.

Application filed October 12, 1914. Serial No. 866,220.

To all whom it may concern:

Be it known that I, JOHN J. RICHARDS, Jr., a citizen of the United States, residing at Brookline, county of Norfolk, Commonwealth of Massachusetts, have invented certain new and useful Improvements in Glare-Screens, of which the following is a specification.

This invention relates to devices for protecting the eyes of the driver of an automobile from the overpowering glare of the headlights of an approaching car. As is well known, the direct beams of even the usual headlight are so intense as to blind the eyes of an oppositely traveling driver.

My present invention contemplates a simple and effective device for protecting the eyes of the driver by reducing the illuminated headlight to dull images or spots capable of being intently observed without danger or disconfort to the naked eye, and one capable of quick and facile installation as well as of such simple construction as to render it capable of low cost production and general adaptation.

The construction and operation of my device will be more fully described in the specification which follows.

A preferred embodiment is described in the specification and illustrated in the drawings as illustrative of the principles involved.

Throughout specification and drawings like reference numerals are employed to indicate corresponding parts, and in the drawings: Figure 1 is a view of my protector in use, Fig. 2 is an edge view, Fig. 3 a front view, and Fig. 4 an enlarged section through the vacuum boss.

My device consists of a disk 1 preferably of celluloid colored in any suitable absorbing shade as in green, amber, or the like. This screen is preferably of such absorptive quality as to reduce the image of a fully illuminated headlight to a mere bright spot which may be observed without injury or discomfort to the otherwise naked eye.

The disk 1 is perforated centrally as at 2 to receive the head 3 of a boss or button 4 having on its lower face a cup 5. The boss or button 4 is preferably of rubber and the cup 5 forms a compression or suction cup adapted to be set by compression and released upon the smooth surface of the glass and shield. The head 3 is compressed and inserted through the opening 2 of the disk 1, thus permanently engaging it and at the same time this head 3 affords a convenient knob for disengagment of the device by breaking the suction of the cup 5. The guard is therefore capable of easy adjustment or removal. It may be set at any place on the wind shield and when in place is firmly held, even against constant vibration or transverse wind.

The sheet 1 is shown integral in Fig. 2 but in practice is preferably made laminated as indicated in Fig. 4 by the reference numerals 1^1 and 1^2. This prevents the curling tendency common in celluloid. The sheets may be riveted as at 6 if desired or may have an inclosing rim 7 or both. The screen formed by the disk 1 shows the headlights of an approaching car merely as two bright spots or images which may be watched and avoided without discomfort.

Various modifications in the form and construction of my device may obviously be resorted to if within the limits of the appended claims.

What I therefore claim and desire to secure by Letters Patent is:

1. A screen for automobile windshields comprising a light absorption member designed to occupy a position substantially parallel with and in close juxtaposition to one face of the windshield, and a device for engaging the windshield and having a connection to said member for supporting it in such position, said member having a flexible portion yielding away from the windshield to permit the insertion of the fingers between said member and the windshield for removing said member from the windshield without disturbing the connection between said device and member.

2. A screen for automobile windshields, comprising a light absorption member designed to occupy a position substantially parallel with and in close juxtaposition to one face of the windshield, said member having an opening therethrough, and a mount for said member having a compressible portion disposed through said opening, said member having a flexible margin yielding away from the windshield to permit the insertion of the fingers between the light absorption member and the windshield for removing said member without dislodging said mount from said opening.

3. A screen for use with a transparent plate, comprising a substantially flat, flexible

light absorption member, and a suction device secured to said member and designed to be attached to said plate for supporting said member in substantial parallelism therewith and in juxtaposition to one face thereof.

4. A fastening device for use with a member having an opening therethrough, consisting of a suction cup member having a relatively short neck thereon terminating in an integral head of greater diameter than the opening through said member to be supported, a relatively narrow channel being provided about said neck in which the wall of the opening in said member to be supported is located when said head is projected through said opening, opposite walls of the channel embracing the member.

5. A device of the class described comprising a laminated screen consisting of a plurality of light absorbing members and a vacuum member centrally of said screen and adapted to be set upon an automobile wind shield.

6. A device of the class described for automobile wind shields comprising a light absorption member consisting of a plurality of sheets each having an opening therethrough and a mount consisting of a suction cup and a compressible button on said cup and disposed through the opening of said sheet.

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

JOHN J. RICHARDS, JR.

Witnesses:
GEO. B. RAWLINGS,
MARION C. HOBBS.