C. W. KIRCHNER.

GLARE ARRESTER ATTACHMENT FOR HATS OR CAPS.

APPLICATION FILED MAR. 6, 1916.

1,232,812. Patented July 10, 1917.



Fig. 1.

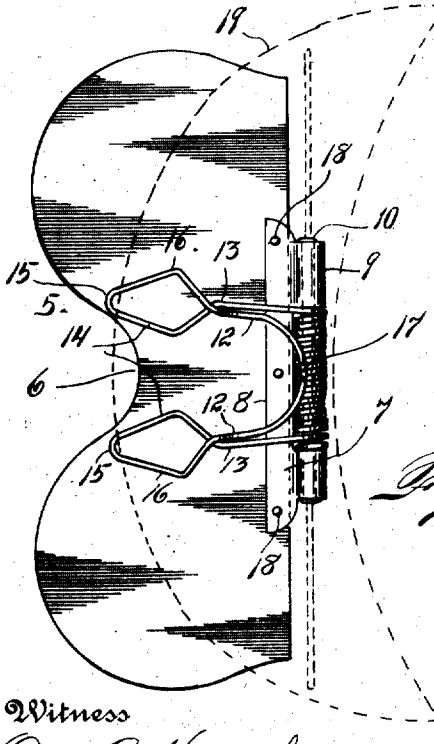


Fig. 2

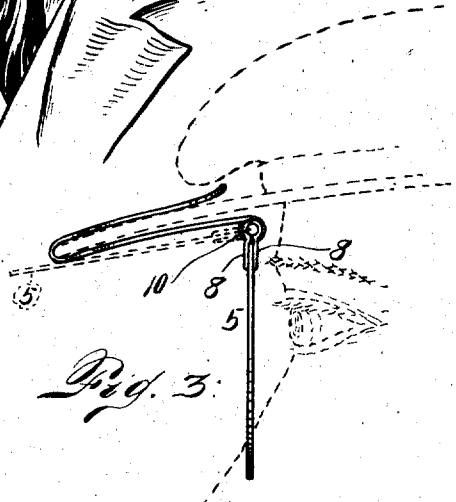


Fig. 3.

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GLARE-ARRESTER ATTACHMENT FOR HATS OR CAPS.

1,232,812. Specification of Letters Patent. Patented July 10, 1917.

Application filed March 6, 1916. Serial No. 82,303.

To all whom it may concern:

Be it known that I, CHARLES W. KIRCHNER, a citizen of the United States, residing at the city and county of Denver and State of Colorado, have invented certain new and useful Improvements in Glare-Arrester Attachments for Hats or Caps; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the characters of reference marked thereon, which form a part of this specification.

My invention relates to a device adapted to be attached to a hat or cap and adjustable whereby it may be employed to arrest the glare from the bright lights of automobiles. The invention is more specially adapted for use by chauffeurs and others who are riding in automobiles, though the device is of value in many other relations as will be readily understood.

It is well known that beyond the limits of cities there is no requirement that dimmers shall be employed on automobile lamps. Furthermore, even within the limits of cities the ordinances are not always fully complied with by automobile owners and chauffeurs. For this reason it very frequently happens that the glare of the lights of an approaching automobile is so strong as to make it practically impossible for the driver of a machine to properly guide and control the latter, since the lights from the approaching machine have a blinding influence.

Attempts have been made to apply devices to the wind shield in front of the chauffeur in order to overcome the aforesaid difficulty, but experience has proven that these devices being so far from the eyes of the chauffeur, obstruct the view too much and render it difficult for the chauffeur to see with sufficient clearness.

My object is to provide a device adapted to overcome these difficulties, and to this end my improvement consists of a device adapted to be attached to a hat or cap and readily removable therefrom, and which is equipped with a piece of properly colored or semi-transparent material, as celluloid, the holder for this piece of material being hingedly connected with a spring clasp adapted to retain the device in place upon the front part of the hat or cap. When the device is not needed, the semi-transparent member, may be thrown up to a position parallel and in contact with the front portion of the hat or cap in which position it will be retained until needed, and when needed it may be thrown down into position for the proper performance of its function.

Having briefly outlined the device, as well as the function it is intended to perform, I will proceed to describe the same in detail, reference being made to the accompanying drawing, in which is illustrated an embodiment thereof. In this drawing,—

Figure 1 is a perspective view of the device shown in position for use.

Fig. 2 is a detail top plan view of the device shown on a larger scale, the position of the front piece of a cap, when the device is applied, being indicated by dotted lines.

Fig. 3 is a detail view of the device in side elevation, the front portion of a cap to which the device is applied being indicated by dotted lines and in position on the head of the wearer, also shown in dotted outline. In this view the glare arresting member is shown in two positions, one in full lines and the other in dotted lines.

The same reference characters indicate the same parts in all the views.

Let the numeral 5 designate a piece of material as celluloid, which is colored in such a manner as to arrest the glare of lights which in the absence of an arresting device would have a blinding influence upon the eyes. This glare arresting member may be of any desired color which will perform the aforesaid function and at the same time sufficiently transparent to permit the user to see with such clearness as will enable him to properly perform his work, as, for instance, in controlling the machine where he is acting in the capacity of driver or chauffeur. It will, therefore, be understood that this glare arresting member may be composed of any suitable material. So far as color is concerned I prefer to employ yellow, as indicated by the shading in Fig. 1, though, of course, it will be understood that the invention is not limited to any particular color. This glare arresting member should be shaped to shade both eyes of the wearer and at the same time centrally cut away or hollowed out as shown at 6 to make room for the nose. This member is secured to a holder 7 consisting of two parts 8 which, as shown in the drawing, are integral and ar-

ranged in parallel relation, being connected by a cylindrical bend 9 which fits around a pin 10 upon which is mounted a spring clasp 12 which, as shown in the drawing, is formed from an integral piece of spring wire which is coiled around the pin 10 so that the holder, the glare arresting member and the pin are in hinged relation with the spring clasp. As shown in the drawing, this clasp is composed of forwardly extending parts 13 whose outer portions are bent inwardly as shown at 14. These parts 13 and 14 terminate at bends 15 from which the wire is first bent outwardly and then inwardly as shown at 16 and then is formed into a loop 17. Attention is called to the fact that one of the parts 13 comprises a portion of one extremity of the spring wire and the end of this part 13 is bent around the pin 10 between two convolutions of the other extremity of said spring wire which is wound around the said pin. When the device is in use this loop together with the parts 16 of the wire clasp, occupy a position above the front piece of the cap or hat, while the other portions 13 and 14 of the clasp are below the front piece. This clasp serves to securely maintain the device upon the hat or cap, while at the same time it is readily removable.

As shown in the drawing, the glare arresting member 5 is secured to the holder 7 by means of small rivets 18, though it must, of course, be understood that this connection may be made in any suitable manner.

From the foregoing description the use and operation of my improved glare arrester will be readily understood. It is applied to the front piece 19 of a cap 20, or to the front portion of a hat or other head gear, by passing the front piece between the two members of the spring clasp 12. When the device is not needed, the member 5 is thrown upwardly to the position shown by dotted lines in Fig. 3 and by full lines in Fig. 2, while when in use for glare arresting purposes, it is moved to the position shown in full lines in Figs. 1 and 3, and by dotted lines in Fig. 2. The friction between the spring clasp and the pin 10 which is carried by the holder 7, is such that the glare arresting member will be maintained in any desired position of adjustment, while at the same time it may be quickly and easily adjusted.

Having thus described my invention, what I claim is,—

A glare-arresting attachment for hats or caps, comprising a pin, a glare-arresting member provided with spaced parts adapted to surround the said pin, a spring also surrounding the pin between the said spaced parts and adapted to press against the latter, the spring being provided with means for attaching the device to a cap or hat.

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

CHARLES W. KIRCHNER.

Witnesses:
A. J. O'BRIEN,
GRACE HUSTON.