Jan. 24, 1961 M. D. VIVOLO 2,968,812

EYE-SHIELDS

Filed Feb. 24, 1959

FIG. 1

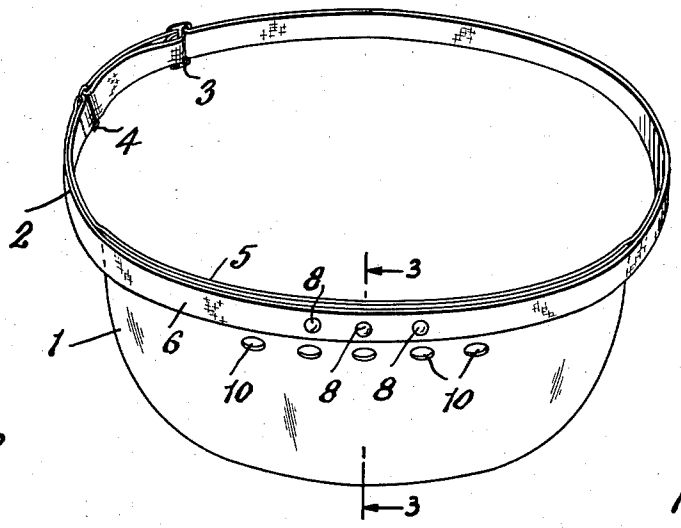



FIG. 2

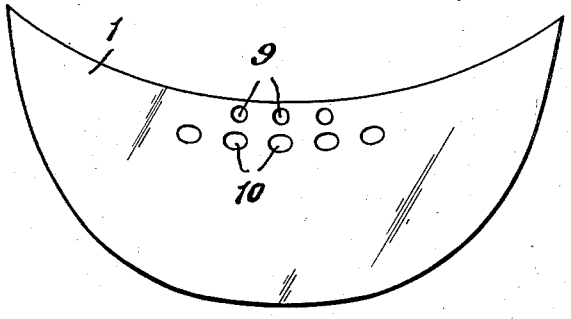
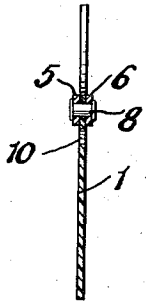



FIG. 3



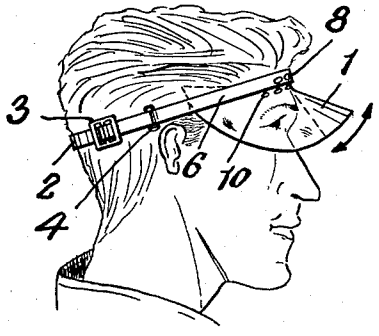




FIG. 4

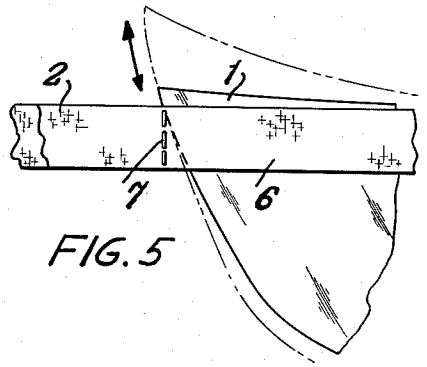



FIG. 5

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# EYE-SHIELDS

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2 Claims. (Cl. 2—12)

This invention relates to eye-shields or vizors, and particularly to those of the type used by workmen in various industries, sportsmen, automobilists and others for protection for the eyes from the glare of the sun or from strong lighting.

Many of these types of vizors or eye-shields are composed of a crescent-shaped piece of material, often of colored transparent nature and sometimes of opaque material. The body of the eye-shield is usually held in position on the forehead by means of a strap or tying string extending around the back of the head. One of the objections encountered in eye-shields of known construction is the inability of the user to adapt or fit the shield in position above the eyes in a manner to meet not only individual requirements due to physical conformation of the head and face, but to meet variations in lighting.

It is therefore one of the objects of the present invention to provide an eye shield which shall have its vizor so fitted and connected to the head-strap that adjustability of the shield relative to the strap can be easily had thereby enabling each user to secure maximum protection and satisfaction from the eye-shield.

More particularly, the invention contemplates the provision of an eye-shield which shall be provided with a crescent-shaped vizor secured to a head-strap and capable of fitment thereon in a number of different positions to thereby meet the requirements of each individual user or to meet extraordinary lighting conditions. It is an object of the invention to provide, in an eye shield of this character, a vizor which can be attached to a head strap in a manner to permit of pivotal movement of the vizor relatively to the strap, thereby permitting of special adjustment of the vizor.

These and other objects are attained by the invention, a more particular description of which will hereinafter appear and be set forth in detail in the claims appended hereto.

In the accompanying drawing, wherein an illustrative embodiment of the invention is disclosed,

Fig. 1 is a front elevational view of an eye-shield constructed according to the invention;

Fig. 2 is a front elevational view of the vizor of the eye-shield;

Fig. 3 is a sectional view, taken substantially on the line 3—3 of Fig. 1, looking in the direction of the arrows;

Fig. 4 shows the eye-shield as it appears in use; and

Fig. 5 is a detail view, showing how the shield may be adjusted to suit requirements.

In the drawing, 1 indicates the body of the vizor of the eye-shield, the same being made in any suitable way from a flexible sheet material and preferably of a transparent, semi-transparent or even opaque nature, such as green-tinted Celluloid or plastic material. In the form shown, the vizor is substantially crescent shape.

The head band or encircling strap is generally indicated at 2, and the same is made adjustable as to size by means



of the adjusting buckle 3 and co-operating loop member 4. The front portion of the head strap is composed of two overlying sections, indicated respectively at 5 and 6, these sections of the head band or strap being secured together by the transverse stitches shown at 7.

The upper marginal edge portion of the vizor fits between the front sections 5 and 6 of the head band or strap and the same is adapted to be adjustably secured to these parts of the strap by means of one or more rivets 8 or equivalent fastening means. For this purpose, the vizor is provided in its upper marginal edge portion with a plurality of holes indicated at 9 and through which one or more of the rivets can be extended as shown in Fig. 3. The row of holes shown at 10 is primarily intended for ventilation.

From the foregoing, the uses and advantages of the improved eye-shield will be apparent. When one rivet 8 is employed to secure the vizor to the head band or strap, the rivet will serve as a pivotal point for the vizor, permitting the same to be pivotally shifted, as indicated in dotted lines in Fig. 5 to meet the requirements of the individual user or to meet prevailing lighting conditions. Even if several rivets are employed, a pivotal movement of the shield or vizor is possible. If the fore-portions 5 and 6 of the head band or strap are made of expansible or elastic material, such as elastic webbing, the transverse stitches 7 will be resiliently urged against the edge portion 11 of the vizor, thus tending to hold the vizor in any selected position of adjustment.

Through the arrangement described, it will be apparent that an eye-shield is provided in which regulation of position of the vizor relatively to the head band is attained with the result that the vizor may be tilted and adjustably fitted relatively to the eyes to meet requirements.

Having described a single embodiment of the invention, it is obvious that the same is not to be restricted thereto, but is broad enough to cover all structures coming within the scope of the annexed claims.

What I claim is:

1. An eye-shield comprising a head band, a crescent-shaped vizor pivotally secured at a central point adjacent to its upper edge to the head band, the head band including a pair of overlying sections of uniform width and between which the upper edge portion of the vizor is extended, spaced lines of stitching extending through the overlying sections of the head band, said lines of stitching being operative to engage against the opposite ends of the vizor to hold the vizor in selected positions of adjustment.

2. An eye-shield comprising a crescent-shaped vizor having a plurality of holes through its upper marginal edge portions, the holes being arranged in side-by-side relation, a head band of two overlying front portions between which the apertured upper edge portion of the vizor is inserted, a fastening element extending through the two sections of the head band and through a selected one of the holes for pivotally attaching the vizor to the head band, and stitching extending transversely across the overlying sections of the head band, closely adjacent to the opposite ends of the vizor, with the vizor being confined between the stitching and having its pivotal movement restricted by the stitching.

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