

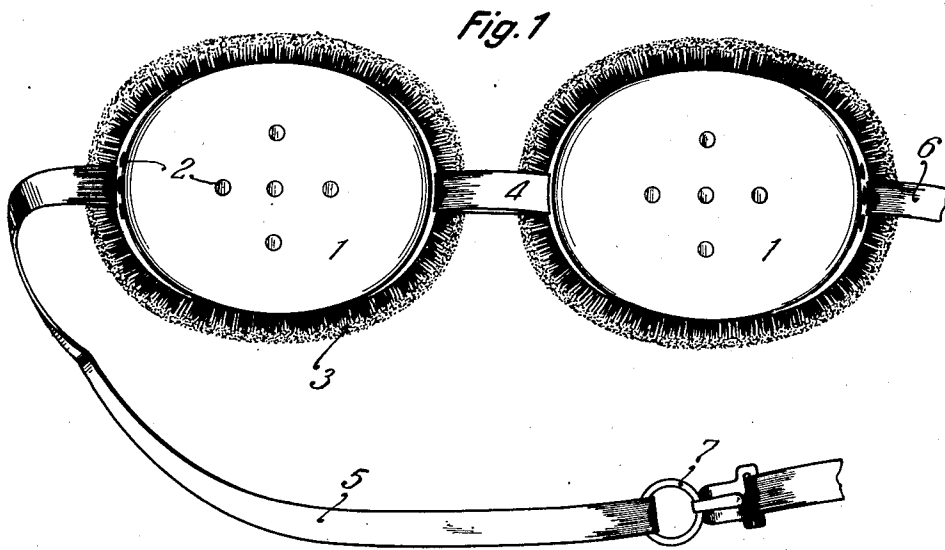
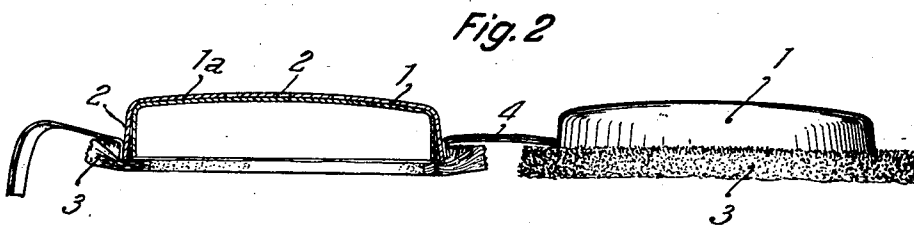
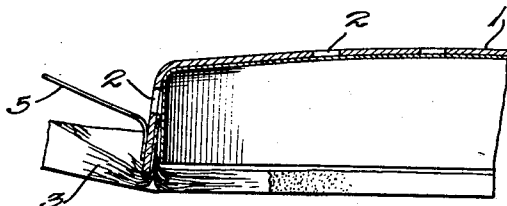
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C. ZICKMANTEL

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EYE PROTECTOR

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EYE PROTECTOR

Application filed July 21, 1928, Serial No. 294,503, and in Germany August 3, 1927.

My invention relates to eye protectors which keep away light from the eye without interfering with the circulation of the air in the region which they cover.

To this end I so design my eye protector that on the one hand it is opaque and on the other is permeable for air.

The object of my novel protector is to allow the wearer to sleep during the day time in the open air, or to sleep in rooms from which the light cannot, or not to a sufficient extent, be excluded.

My protector may be designed as a single cap for both eyes or as two caps, one for each eye, which are connected by a stay, as in spectacles or in a pince-nez. Any suitable means may be provided for holding the protector on the head of the wearer.

In the accompanying drawing, a protector of the spectacle type with a rubber strap for holding it on the wearer's head, is illustrated by way of example.

In the drawing

Fig. 1 is an elevation of the protector,

Fig. 2 is a plan view thereof, with the cap for the left eye shown in section.

Fig. 3 is an enlarged vertical sectional detail view.

As will appear from the drawing the protector comprises two caps 1 of considerable depth and preferably elliptical configuration which are so made at the edges as to fit the head in the vicinity of the eyes and to permit opening and closing of the eyelids, and may be of any opaque substance, as black celluloid, tightly woven wire or horse hair, stiff fabric, etc. 2 are perforations for permitting circulation of the air and preventing unpleasant heating of the eyes which may be provided in the front and side walls of the caps in any desired position, 1^a is a lining of an opaque material as tightly woven black silk, or the like which will not interfere with the circulation of the air, and 3 is a packing secured to the edge of the caps which may be a strip of velvet, rubber, chenille, or any other soft and flexible material which absolutely prevents access of light at the rims of the caps.

4 is a stay of rubber or the like connect-

ing the caps 1, and 5, 6 are bands of rubber secured to the caps opposite the stay 4 and provided with a hook and an eye 7, or any other suitable connecting means.

The caps 1, 1 are applied to the eyes and the bands 5, 6 are placed about the back of the wearer's head and connected by the hook and eye 7. Instead, each cap may be equipped with a resilient loop or an arm of the kind which is used in spectacles, these parts being held by the ears of the wearer in the usual manner, or a clamp like that of a pince-nez may be provided for holding the protector on the wearer's nose.

Instead of two separate caps, 1, 1, a single cap or resilient tie may be provided for covering both eyes which obviously, like separate caps, must be so deep as not to interfere with the movement of the eyelids, and is equipped with means for shutting out the light and permitting air circulation, and with fastening means as described for the separate caps. This modification has not been illustrated as it will readily be understood.

The protector which is preferably made of a material that is not liable to break, and possesses minimum weight, is readily folded so that it can conveniently be carried in the pocket.

I claim:

An eye protector comprising a pair of perforated caps of substantially rigid material adapted for covering the eyes, a connection between the caps, an opaque and air permeable lining arranged on the inner surface of each cap for covering the perforations in the cap to prevent light rays passing through the perforations yet permitting of the passage of air therethrough, and an elastic packing on each cap between the outer edge of the rim and the lining, substantially as and for the purposes set forth.

In testimony whereof I have signed my name to this specification.

CARL ZICKMANTEL.