Dec. 11, 1945. M. D'ORSAY 2,390,523

NOSE GUARD FOR EYEGLASSES

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FIG. 1.

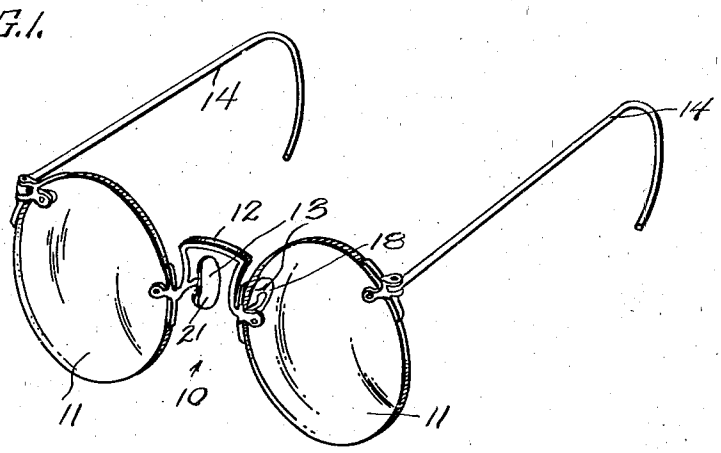


FIG. 3.

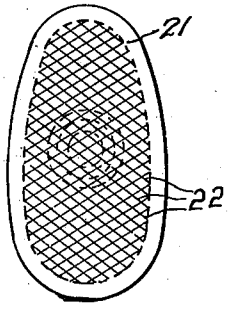
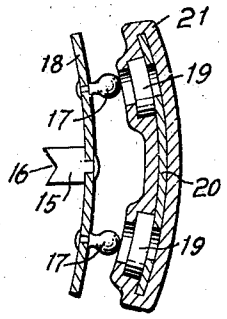


FIG. 2.



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NOSE GUARD FOR EYEGLASSES

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2 Claims. (Cl. 88—48)

My present invention relates to eye-glasses, spectacles and the like, and more particularly to the guards thereof or, those portions of the framework coming into contact with the nose of the wearer.

It has heretofore been the practice to shape the guards of the eye-glasses to conform to the shape of the nose at the point of contact therewith, and in some cases, to flexibly mount the guards so as to permit them to conform to the irregularities of the surface of the nose. Attempts have also been made to provide the surface of the guards with various resilient pads or suction devices to cause them to more closely adhere to the skin. Some of the styles and types of resilient pads heretofore used have been more or less satisfactory but, in the main, they have not been practical because they were not readily replaceable.

Having these many prior experiments and types in mind, it is the main object of my present invention to overcome these defects and to provide a practical guard unit which may readily be removed and replaced with a new one either by the optician or, the wearer himself.

Another object of my invention is to provide a nose guard having a readily removable unit including a soft resilient material of a nature impervious to the oils, greases, etc. of the skin and one which will not discolor or become unduly soft or misshapen in use.

A still further object is to provide a removable guard unit with a type of fastener generally familiar to the average person and, one wherein the several elements thereof are readily assembled in use.

The many additional objects and advantages of my invention will be readily apparent to those skilled in the art and more particularly so after a careful study of the following specification and the drawing attached hereto and made a part hereof.

In said drawing like reference characters indicate like parts throughout the several views and wherein:

Figure 1 is a perspective view of a pair of spectacles illustrating a form of my nose guard in position;

Figure 2, a cross-sectional view of my nose guard showing a plurality of securing devices;

Figure 3, an elevational view of said guard showing a "non-skid" surface thereon.

In the drawing, I have illustrated what I consider to be a simple, practical and efficient adaptation of my invention and although I have illustrated such a construction it is to be clearly understood that my invention broadly comprehends a two unit guard comprising first, a receptor unit rigidly secured to the frame of the glasses and secondly, a detachably mounted resilient guard pad—both units being detachably united by means of a suitable separable fastener means.

In the form of my invention illustrated, the numeral 10 designates a pair of spectacles generally, 11 the lenses, 12 the bridge, 13 the guards, and 14 the temples. The guards may be of any practical type either rigidly or flexibly mounted on the bridge and, in the form illustrated, I use a metal stud 15 which has a bifurcated rear end 16 for rigidly securing it to the bridge. A metal plate 18 is secured to the stud 15 and generally conforms in contour to the area of the nose to be contacted by the guard pad. The plate may be of any type of rigid material and of any desired shape.

The snap fasteners comprise the male elements 17 and the female elements 19. The male elements 17 are fixedly secured to the plate 18 as by riveting and the female elements 19 are fixedly secured to a reinforcement plate 20 as by solder or the like, in alignment with the male elements, as shown in Fig. 2. The details of the female elements are not described or illustrated because they are so well known. The member 20 may be of rigid or semi-rigid material and is generally of a shape and size corresponding to the guards of the eye-glasses. Various methods may be employed for positioning a layer of resilient material, such as rubber or the like, 21, upon the plate 20, but I prefer to dip the plate one or more times in a latex compound until the plate is covered entirely with the correct thickness of rubber. Obviously, that portion of the rubber immediately adjacent the opening in the female member of the snap fastener is removed in any convenient manner.

In Figure 2 I illustrate a form of my invention wherein two snap fasteners are used to secure the guard pads 20 to the guards 18. A plurality of fasteners may even be resorted to in cases where the guard pads are large or, where there is a tendency to pivot about the knobs 17, as will be understood.

Figure 3 illustrates a form of guard pad wherein the nose contacting surface of the guard pad is provided with a "non-skid" design or, a roughened surface 22, to increase the frictional contact between the guard pad and the nose of the wearer. It is obvious that such a surface may

be produced in various ways, as by molding in a suitable mold, or by the use of abrasives, or by impressing the desired design into the rubber before the rubber has finally set or become completely vulcanized.

It is also within the scope of this invention to mold the rubber stock of layers of rubber of different compounds so that the resultant pad will have a soft resilient nose engaging surface and a stiffer guard engaging surface as will be understood.

In use my improved nose guards operate as follows: If the type of eye-glasses in use do not have my improved guards thereon, the optician will first remove the guards and their pivots and in place thereof mount one of the studs or arms **15** carrying the plate **18** to which are secured the knob members **17** and then snap on to the knob members **17** one of my rubber guard pads. Should the guard pads become worn or hard from use the wearer may himself, or engage an optician for the purpose, secure new guard pads and, after removing the old guard pads, snap the new guard pads into position. The operation of removing the old pads is quite simple. It may be done by inserting the finger nails between the rubber covered plate **20** and the plate **18** and prying the pad outwardly away from the plate **18**, or by inserting the end of a knife or small screw-driver therebetween and prying the pad outwardly as will be understood.

From the foregoing, it will be seen that I have evolved a simple but very practical guard for eye-glasses and one which may be very easily attached to all forms of glasses and the nose contacting unit thereof, replaced from time to time as desired. While I have described and illustrated a practical embodiment of my invention it is to be clearly understood that other forms may be resorted to, or other materials and shapes and designs, without departing from the spirit and scope of my invention. For example, it is obviously within the spirit and scope of my invention to reverse the position of the snap-fastener elements and secure the female members **19** to the plate **18**, and secure the male members to the plate **20**.

I claim:

1. A nose guard for eye-glasses comprising a plate secured to the bridge by a stud, two male members of snap-fastener means mounted upon said plate, a detachable pad member consisting of a rubber pad conforming in size and shape to the area of the nose to be contacted and having embedded therein a metal support to which are secured the female members of said snap-fastener means in alignment with said male members, the first named plate conforming in size and shape to the opposed surface of said pad member.

2. A nose guard for eye-glasses comprising a stud rigidly secured to the bridge, a plate mounted on said stud, a member of a detachable snap-fastener means mounted upon said plate, a detachable rubber pad member having embedded therein a metal support for the opposite member of said snap-fastener means, said plate and pad member conforming in size and shape to the area of the nose to be contacted.

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