

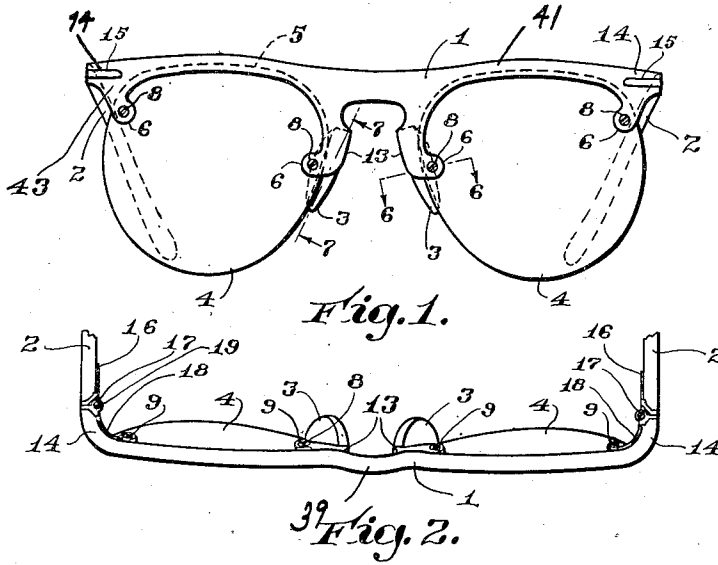
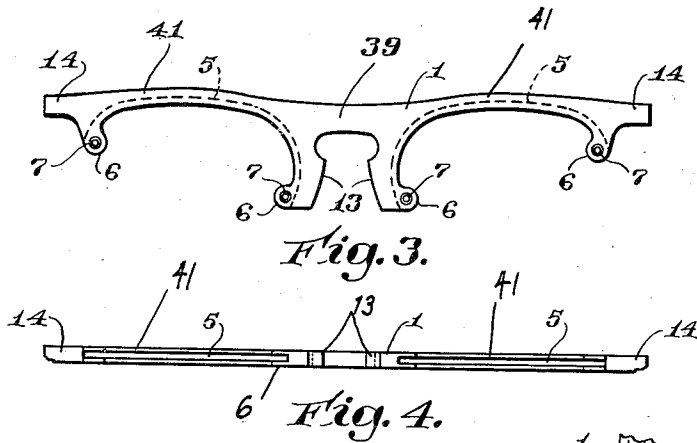
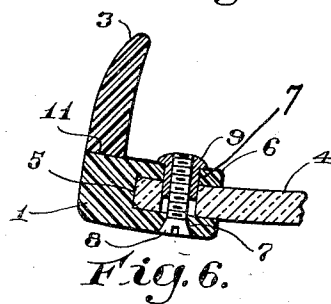
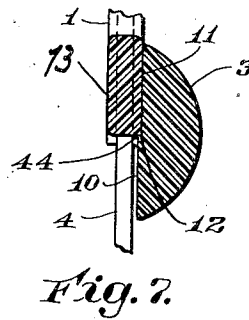
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A. DITTO

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OPHTHALMIC MOUNTING

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UNITED STATES PATENT OFFICE

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OPHTHALMIC MOUNTING

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1 Claim. (Cl. 88—41)

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The present invention relates to ophthalmic mountings.

It is an object of the present invention to provide new and improved attractive spectacles of the semi-rimless type that shall be provided with novel nose guards.

Other and further objects will be explained hereinafter and will be particularly pointed out in the appended claim.

The invention will now be described more fully in connection with the accompanying drawings, in which Fig. 1 is a front elevation of an ophthalmic mounting constructed according to a preferred embodiment of the present invention, showing also the lenses in place; Fig. 2 is a plan of the same; Fig. 3 is a front elevation similar to Fig. 1, illustrating a blank formed out of a sheet of suitable plastic or other stock from which the front of the ophthalmic mounting shown in Figs. 1 and 2 may be manufactured; Fig. 4 is an underside plan of the same; Fig. 5 is a perspective of a nose guard prior to its assembly with the blank shown in Figs. 3 and 4; and Figs. 6 and 7 are sections, upon a larger scale, taken respectively upon the lines 6—6 and 7—7 of Fig. 1, looking in the directions of the respective arrows.

The ophthalmic mounting of the present invention may be manufactured by first forming a suitable blank 1 out of non-metal sheet material. The blank 1 may, of course, be manufactured in other ways also, as by molding. However manufactured, the blank 1 comprises a unitary bridge member 39 and two lens-holding members. Each lens-holding member is shown comprising a depending arm 13 and outwardly extending bars 41, extending on opposite sides of the bridge member 39. Each depending arm 13 terminates at its lower end in a nose-guard support and a lens strap 6. Each bar 41 terminates at its outer end in a curved temple-connecting end piece 14, from which depends a curved arm 43 terminating in a lens strap 6.

The material of the blank 1 may be constituted of the nitrocellulose products known as "Zylonite" or "Celluloid," a compound of pyroxylin, camphor and alcohol. It may, however, be constituted also of any other suitable plastic, such as nylon plastic, or a plasticized vinyl resin polymer obtained, for example, by polymerizing one or more vinyl derivatives. For molding, cellulose acetate may be employed, though this material may be used in sheet form also. The attractiveness of the mounting may be increased by

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having the non-metal material transparent, and either colored or uncolored.

Each lens-holding member of the blank 1 may be provided with a lens-receiving groove 5. The shape of the grooves 5 does not constitute any part of the present invention. The shape of the upper edges of the lenses 4 is fixed by the shape of the grooves, but the lower edges of the lenses 4 may assume a variety of shapes.

Nose guards 3 may be blanked out of similar non-metal sheet material, each with an intermediately disposed L-shaped recess in its face 10. The arms of the L are shown at 11 and 12. The length of the shorter arm 12 of the L-shaped recess is shown smaller than the thickness of the unitary non-metal sheet blank 1. The nose-guard blanks are then positioned at right angles to the plane of the unitary non-metal-sheet blank 1, with the lower terminations of the nose-guard supports of the respective depending arm 13 received in the respective L-shaped recesses, and with the face 10 of the nose-guard blanks disposed behind the planes of the lenses 4, as shown more particularly in Fig. 7. In this position, with the nose-guards 3 extending below the lens-receiving grooves 5, the rear and lower faces of the depending arms 13 are united to the respective larger and shorter arms of the respective L-shaped recesses in any desired manner, as by means of a suitable cement applied to the blank 1 and the arms 11 and 12 of the L-shaped recess in contact therewith. The non-metal sheet blank 1, with its bridge member 39, its bars 41, its end pieces 14 and its lens straps 6, becomes thus united with its nose guards 3 into a unitary one-piece non-metal spectacle front of the semi-rimless type. The junctions between the depending arms 13, on the one hand, and the nose-guards 3, with their lens straps 6 at the lower ends of the lens-receiving grooves 5, on the other hand, are shown at 44.

The lenses 4 may be held in place by screws 8 extending through perforations 7 in the lens straps 6, aligned perforations in the lenses 4, and tubular nuts 9 that extend backward into the lenses 4.

The non-metal front of Figs. 1 and 2 is shown provided with temples 2 of the same non-metal material as the fronts. A metal hinge is provided for connecting each temple 2 to one of the end pieces 14. Each hinge comprises two L-shaped metal members 16 and 18, pivoted together at 17, the former for securing to one of the temples 2 and the latter for securing to one of the curved end pieces 14. Two elongated curved metal mem-

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bers 15 are curved to conform to the shape of the front faces of the curved end pieces 14 and two elongated metal members not shown) are similarly provided for the front faces of the temples 2. The parts are held together as described in co-
 pending application, Serial No. 8,608, filed February 16, 1948.

Further modifications will occur to persons skilled in the art, and all such are considered to fall within the spirit and scope of the invention 10 as defined in the appended claim.

What is claimed is:

A spectacle front of the semi-rimless type comprising a unitary one-piece sheet of non-metal material provided with a bridge member and two lens-holding members each comprising a depending arm terminating at its lower end in a nose-guard support and an outwardly extending bar terminating at its outer end in a temple-connecting end piece, and two non-metal nose guards 20 carried by the respective nose-guard supports, each provided with an intermediately disposed L-shaped recess the length of the shorter arm of which is smaller than the thickness of the unitary one-piece sheet of non-metal material, the nose-guards being disposed substantially at right angles to the plane of the unitary

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one-piece sheet of non-metal material with the depending arms received in the respective L-shaped recesses and with the rear and lower faces of the depending arms united to the respective larger and shorter arms of the respective L-shaped recesses.

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