June 30, 1953 F. I. MINER ET AL 2,643,580

OPHTHALMIC MOUNTING

Filed Oct. 28, 1950

Fig. 1.

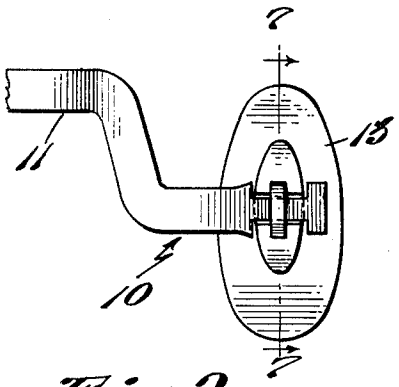


Fig. 3.

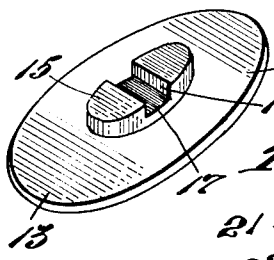


Fig. 4.

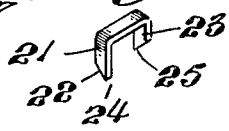


Fig. 2.

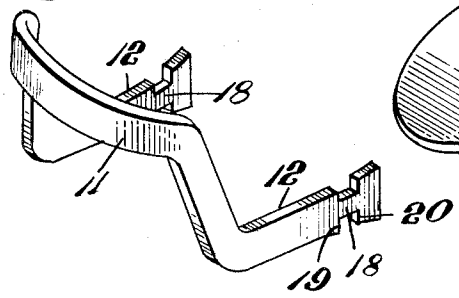


Fig. 5.

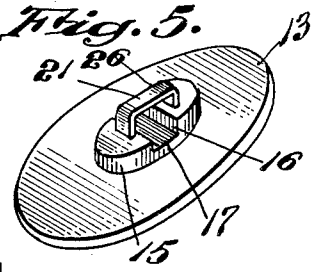


Fig. 6.

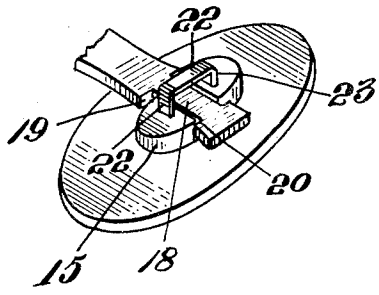
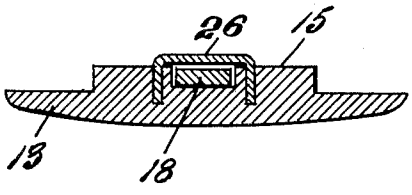


Fig. 7.



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OPHTHALMIC MOUNTING

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2 Claims. (Cl. 88—50)

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This invention relates to an improvement in an ophthalmic mounting, particularly to a connecting or securing means for uniting parts of the mounting.

An object of the invention is to simplify the assembly of parts of an ophthalmic mounting so as to provide for economy in manufacture.

A more specific object of the invention is to provide a nose pad and supporting arm therefor so constructed as to simplify the assembly of the pad and the arm.

With these and other objects in view, the invention consists of certain novel features of construction, as will be more fully described and particularly pointed out in the appended claims.

In the accompanying drawings:

Figure 1 is a side elevational view of a fragmental portion of a bridge with a nose pad connected thereto;

Figure 2 is a perspective view of the bridge shown in Figure 1;

Figure 3 is a perspective view of a nose pad;

Figure 4 is a perspective view of a fastening member for securing the pad to the arm of the bridge;

Figure 5 is a perspective view similar to that shown in Figure 3 but with the fastening member of Figure 5 partially driven into the pad;

Figure 6 is a view similar to that shown in Figure 5 but with the supporting arm in position for assembly with the pad; and

Figure 7 is a sectional view after assembly taken substantially along line 7—7 of Figure 1 and looking in the direction of the arrows thereon.

In carrying out our invention, we mold the nose pad of non-metallic material with a raised surface or projection on one side thereof. The projection is provided with a groove extending across the same and opens into the top and sides thereof. The supporting arm which may be integral with the bridge is provided with recesses on opposite edges forming a head with a neck portion joining it to the body of the arm which neck is loosely positioned within the groove so as to provide for a rocking motion between the pad and the arm and is secured in place by means of a staple-like member driven into the projection on both sides of the neck portion.

Referring to the drawings for a more detailed description of the invention, 10 designates generally an ophthalmic mounting comprising a bridge 11 provided with similar arms 12 on the end portion of which there is attached nose pad 13.

Each pad 13 is molded of a non-metallic material to form a body 14, one side of which has a raised projection 15 centrally positioned thereon. The projection 15 has a lateral groove 16 opening in the top and sides of the projection with the bottom wall 17 of the groove spaced a substantial distance from the side of the body 14 from which it projects as shown in Figure 3.

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Each arm 12, which may be integral with the bridge 11, has a reduced portion adjacent the free end of the arm providing a head with a neck portion 18 connecting the head to the main portion of the arm and forming opposite shoulders 19 and 20 on the side edges of the arm. The neck 18 is received in the groove 16 and the distance between shoulders 19 and 20 is slightly greater than the corresponding dimension of the projection or length of the groove 16 so as to limit the axial movement of said arm relative to said pad.

The arm is secured to the pad by means of a U-shape member 21 having opposite arms 22 and 23 projecting from a bridging portion which arms are adapted to be driven into the projection on opposite sides of the said neck portion 18. The member 21 is in the form of a staple with the arm 22 formed so as to provide a pointed end 24 at one side edge of the member 21 and a pointed end 25 on the arm 23 at the other side edge of the member 21. In assembling a pad and arm, the member 21 is first partly driven into the projection 15, as shown in Figure 5, and the arm is passed through the loop thus formed with the neck portion thereof located in the groove 16. Thereafter the member 21 may be struck or pressed to be further driven into the pad so that the bridge portion 26 thereof will extend nearly flush with the top surface of the projection 15 so as to limit the upward movement of the arm within the groove. The thickness of the arm, at least at the neck portion, is slightly less than the depth of the groove 16 to permit for a relative rocking motion between the pad and the arm.

We claim:

1. A nose guard comprising a non-metallic pad having a body provided with a raised portion on one side thereof and having a groove therein with the bottom wall of said groove spaced a substantial distance from the adjacent side of said back, an arm for supporting said pad having a portion positioned inwardly from its end and located in said groove with a thickness less than the depth of said groove, spaced means at each end of said portion co-operating with the edges of the raised portion at each end of said groove to restrict longitudinal movement of said

arm, and fastening strap means extending across said groove and neck portion to loosely secure said pad to said arm.

2. A nose guard comprising a molded non-metallic pad having a body provided with a projection on one side thereof molded integral with said body and having a groove therein with the bottom of said groove spaced a substantial distance from the adjacent side of said body, an arm for supporting said pad having a portion thereof located in said groove, said portion having a thickness less than the depth of said groove to be loose therein, said nose pad arm being provided with spaced opposite shoulders thereon positioned at each end of said portion to be on the opposite sides of said projection and limit the lengthwise movement of said arm in said groove, and a U-shaped fastening member having the bight thereof extending across said arm and groove for securing said pad to said arm.

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