D. F. GREEN.

LENS MOUNTING.

APPLICATION FILED SEPT. 24, 1913.

1,130,397. Patented Mar. 2, 1915.

Fig. 1.

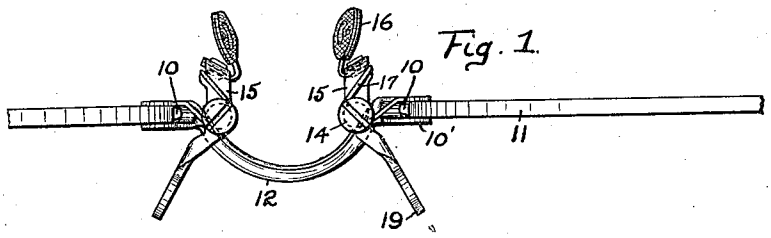
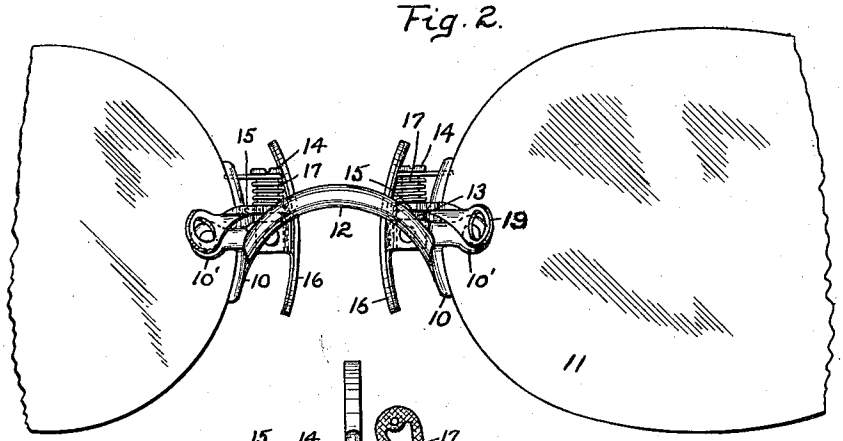


Fig. 2.



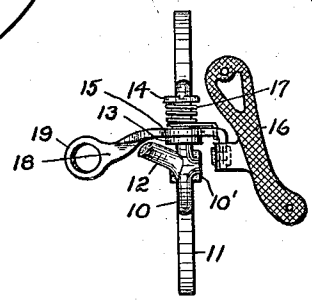


Fig. 3.

WITNESSES

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LENS-MOUNTING.

1,130,397. Specification of Letters Patent. Patented Mar. 2, 1915.

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To all whom it may concern:

Be it known that I, DALLAS F. GREEN, a citizen of the United States, and resident of Fort Wayne, in the county of Allen and State of Indiana, have invented new and useful Improvements in Lens-Mountings, of which the following is a specification.

The present invention relates to the construction of lens mountings and particularly to the type or form of mounting commonly known as "finger piece mounting." The majority of finger piece mountings now commonly in use comprise a post or extension which projects at a right angle from the face of each lens box or strap toward the other box or strap. The ends of the bridge are secured to these posts or extensions and the pivots which support the guard arms are also secured to the same. The posts or extensions must be of sufficient length to permit the guard arms to have easy movement and wide opening; consequently the arch of the bridge terminates at the ends of the posts, and there is between the lower end of the bridge and the inner end of the lens this post or extension which throws the lens outwardly from the nose of the wearer and prevents the use of as large a lens as is desirable because too large a lens will interfere with the pupillary distance of the eyeglasses.

The object of my invention is to overcome the above objections by providing a mounting of the type described in which I have eliminated the post or extension and attached the end of the bridge directly to the lens box or strap so that the arch of the bridge is continued by the portion of the lens box or strap lying beneath the point of attachment of the bridge and I have mounted the guard arm above the said end of the bridge so that the wide opening of and perfect freedom of motion to the arm is possible. The elimination of the posts or extensions enables me to bring the inner ends of the lenses closer together than heretofore, thereby enabling me to use a maximum size of lens with the above type of mounting, and thereby greatly improving the appearance of the eyeglasses, which is most desirable.

In the drawings I illustrate the preferred form of my invention, in which—

Figure 1 is a plan view of a pair of eyeglasses provided with my invention; Fig. 2, a front elevation of the same and Fig. 3, an end elevation of one lens, with one side of the mounting attached thereto.

Referring to the drawings, the construction of the mounting is the same at each end of the bridge; hence, it will be necessary only to describe one end of the same.

10 is a box or strap which is rigidly secured to the lens 11 in any suitable manner, as by a screw which is passed through ears 10′ on the strap and a hole in the lens. The bridge 12 is secured by soldering its opposite ends to the faces of the boxes and it curves forwardly and upwardly immediately from its point of connection with the boxes. It will be noted that the arch formed by the bridge merges into the portion of the box or strap beneath the point of attachment so that said portion is substantially a continuation of the bridge. Above the point of connection of the bridge to the box is a lug 13, which is integral with or suitably secured to the box and in alinement with the box and adjacent portion of the lens. A pin or pivot 14 is fixed to lug 13 and projects upwardly from the same.

15 is the guard arm of nose guard 16 and it is movably mounted on pivot 14, its motion being in a horizontal direction relatively to the lens. A spring 17 is coiled about the pivot, one end thereof bearing against box 10 or other suitable fixed part of the mounting, and the other end engaging the arm. The tension on the spring is such that the guard is continuously pressed toward the other lens, or into its gripping position. The forward end 18 of the guard arm 15 is provided with a suitable finger piece 19. By grasping both finger pieces and drawing them toward each other the guards are separated to permit the user to place the eyeglasses upon the nose, the guards grasping the latter immediately upon the release of the finger pieces. The guard arm mounting being entirely above the bridge enables the lenses to be brought closer together than heretofore, thereby permitting the use of a much larger lens than has heretofore been possible. The guards also have perfect freedom of motion.

I contemplate applying my invention to all forms of lens engaging boxes or straps and hence do not wish to be limited to the form of box or strap heretofore described and illustrated in the drawings, and by the

use of the word "box" in the claims, I mean any suitable lens-attachment device.

What I claim is:

1. A lens mounting comprising a box for attachment to a lens, a bridge secured at one end to the box and extending immediately forwardly and upwardly from its point of attachment to the box, and a spring-pressed guard having its pivoted support above the point of attachment of the bridge and box and in the plane of the lens.

2. A lens mounting comprising a box for attachment to a lens, a bridge secured at one end to the box and extending immediately forwardly and upwardly from its point of attachment to the box, a lug projecting from the box in the plane of the lens and above the point of attachment of the bridge to the box and a spring-pressed guard arm pivotally mounted on the lug.

3. A lens mounting comprising a box for attachment to a lens, a bridge rigidly secured at one extremity to the face of the box and extending immediately forwardly and upwardly, with respect to the plane of the lens, from its point of connection with the box, a lug projecting from the face of the box above the said point of connection and extending in the plane of the lens and a spring guard pivotally mounted on the lug.

In witness whereof I hereunto sign my name September, 1913.

DALLAS F. GREEN.

Witnesses:

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