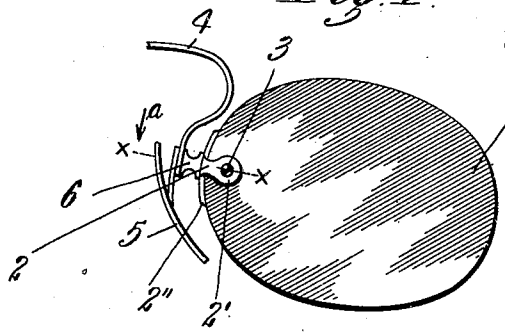
No. 809,156. PATENTED JAN. 2, 1906.

G. W. WELLS.

EYEGLASS MOUNTING.

APPLICATION FILED MAY 26, 1905.

Fig. 1.



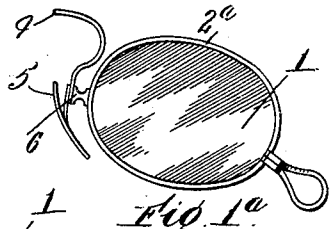


Fig. 1a

Fig. 2.

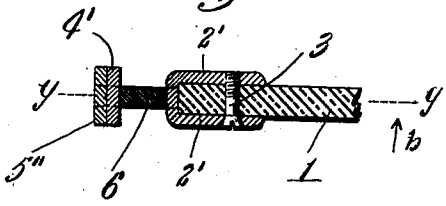


Fig. 3.

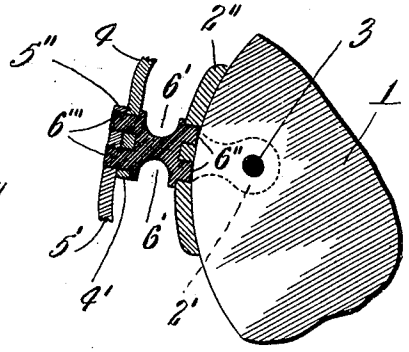


Fig. 4.

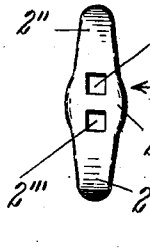


Fig. 5.

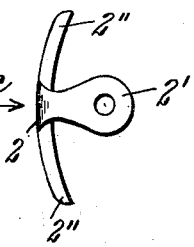


Fig. 6.

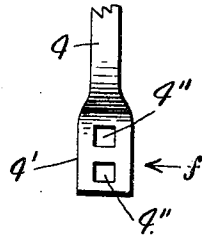


Fig. 7.

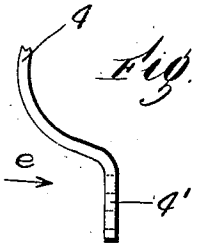


Fig. 8.

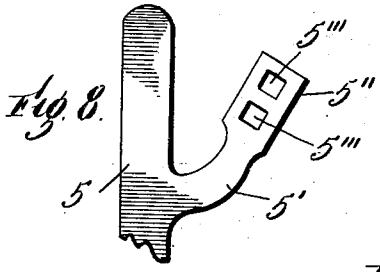
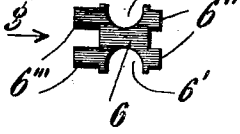


Fig. 9.



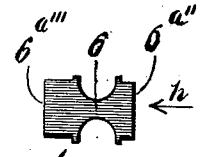


Fig. 11.

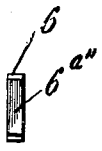
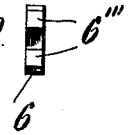


Fig. 12.

Fig. 10.



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UNITED STATES PATENT OFFICE.

GEORGE W. WELLS, OF SOUTHBRIDGE, MASSACHUSETTS.

EYEGLASS-MOUNTING.

No. 809,156. Specification of Letters Patent. Patented Jan. 2, 1906.

Application filed May 26, 1905. Serial No. 262,326.

To all whom it may concern:

Be it known that I, GEORGE W. WELLS, a citizen of the United States, residing at Southbridge, in the county of Worcester and State of Massachusetts, have invented certain new and useful Improvements in Eyeglass-Mountings, of which the following is a specification.

My invention relates to improvements in eyeglass-mountings, and more particularly to improvements in that part of the mounting between the rim or strap on the lens and the nose-bridge and nose-guard, ordinarily termed the "post." In the ordinary construction of this part of the mounting termed the "post" said part is made round and has a headed end or box considerably larger than the post soldered on one end thereof to receive the attaching end of the nose-bridge and the attaching end of the nose-guard. The other end of the post is soldered to the rim on the lens or to the strap which is secured to the lens. In this construction considerable metal is used in making the post, which in the case of gold adds to the expense, and the post has to be secured to the other parts of the mounting by solder, which is objectionable, as it softens the metal and increases the expense of the mounting.

The object of my invention is to improve upon the ordinary post construction above referred to and to provide a post, preferably made from a piece of metal of flat or non-circular shape in cross-section and having a projection or projections on one or both ends to extend through holes in the lens-rim or the strap secured to the lens and also through holes in the attaching end of the nose-bridge and the attaching end of the nose-guard, said projections being headed or riveted to secure the parts together.

With my improved post I obtain a very firm construction and a very economical post in the amount of gold used, and I do away entirely with soldering, which, as above stated, adds to the expense of the mounting and softens the metal.

I have shown in the drawings my improvements in connection with a rimless lens and a strap and a rim-lens and a nose-bridge and a nose-guard of ordinary and well-known construction.

Referring to the drawings, Figure 1 shows a rimless lens, a strap secured thereto, a nose-guard, and a portion of a nose-bridge, and my improvements in a post combined therewith. Fig. 1ª shows, on a smaller scale, a rim-lens and my improvements in a post combined therewith. Fig. 2 is a section on line $x\,x$, Fig. 1, looking in the direction of arrow a, same figure. Fig. 3 is a section on line $y\,y$, Fig. 2, looking in the direction of arrow b, same figure. Fig. 4 is an edge view of the lens-strap detached looking in the direction of arrow c, Fig. 5. Fig. 5 is a side view of the strap shown in Fig. 4 looking in the direction of arrow d, same figure. Fig. 6 shows one end of the nose-bridge detached looking in the direction of arrow e, Fig. 7. Fig. 7 is an edge view of the parts shown in Fig. 6 looking in the direction of arrow f, same figure. Fig. 8 shows a front view of the attaching-arm of the nose-guard detached. Fig. 9 shows the flat metal post detached. Fig. 10 is an end view of the parts shown in Fig. 9 looking in the direction of arrow g, same figure. Fig. 11 shows a modified construction of the parts shown in Fig. 9. Fig. 12 is an end view of the parts shown in Fig. 11 looking in the direction of arrow h, same figure. Figs. 2 to 12, inclusive, are shown on an enlarged scale.

In the accompanying drawings, 1 is a lens, shown as rimless in Fig. 1.

2 is a metal strap or loop having the attaching-lugs 2′, each having a hole therethrough to receive the attaching-screw 3 in the ordinary way. The strap 2 has wings or bearing-surfaces 2″, which extend upon the inner edge of the lens in the usual way. Through the central portion of the strap 2, which extends upon the edge of the lens, are, in this instance two, holes 2‴, preferably of non-circular shape, in this instance square.

4 is a nose-bridge, which may be of any ordinary shape and having the attaching end 4′ preferably broadened and with two holes 4″ therethrough, one above the other, (see Fig. 6,) and preferably of non-circular shape, in this instance square.

5 is a nose-guard, which may be of any ordinary shape and construction, and in this instance has the attaching-arm 5′ with the broadened attaching end 5″, having two holes 5‴ therethrough, preferably of non-circular shape, in this instance square.

In connection with the strap 2, nose-bridge 4, and nose-guard 5 I use my improved post, which preferably consists of a piece of metal 6 of flat or non-circular shape in cross-section and having its opposite edges preferably recessed, as shown at 6′, Fig. 9, and having on each end, preferably, two attaching-

lugs. The attaching-lugs 6''' on one end of the plate 6 are longer to extend through the openings 4'' and 5''' in the nose-bridge 4 and nose-guard 5, respectively, and the lugs 6'' on the other end extend through the openings 2''' in the strap 2, as shown in Fig. 3. The attaching lugs or projections 6'' and 6''' on the plate 6 are preferably of the same shape as the openings 2''' in the strap 2 and the openings 4'' and 5''' in the nose-bridge 4 and nose-guard 5 and a little smaller than the size of said openings to enter the same freely.

After the lugs 6'' and 6''' on the plate or post 6 have been inserted into the openings 2''' in the strap 2 and the openings 4'' and 5''' in the attaching ends of the nose-bridge 4 and the nose-guard 5 they are headed or riveted to secure the post 6 firmly to the strap 2 and to the nose-bridge 4 and nose-guard 5, as shown in Fig. 3.

In Figs. 11 and 12 is shown a modified construction of the plate or post 6. There is a single attaching lug or projection $6^{a''}$ and $6^{a'''}$ on each end of the plate 6. In using the modified construction shown in Figs. 11 and 12 there will be a single opening in the strap 2 and in the attaching end of the nose-bridge 4 and nose-guard 5 to receive the single projections on the plate 6.

In Fig. 1^{a} I have shown a lens 1 with a rim 2^{a} thereon. The rim or wire 2^{a} may be of ordinary construction and has my improved post secured thereto at one end thereof, and the other end of the post is secured to the nose-bridge 4 and the nose-guard 5, as above described.

It will be understood that the details of construction of my improvements may be varied, if desired. I prefer to have the openings in the strap 2 and in the attaching ends of the nose-bridge 4 and the nose-guard 5 of non-circular shape and also the projections 6'' and 6''' on the post 6 of non-circular shape.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In an eyeglass-mounting, a post of flat or non-circular shape in cross-section, and having two attaching lugs or projections on each end thereof.

2. In an eyeglass-mounting, a post having two attaching lugs or projections on each end thereof.

3. In an eyeglass-mounting, the combination with a lens strap or rim, having an opening therein, and the nose-bridge and nose-guard, each having an opening in its attaching end, of a post having an attaching lug or projection on each end, to enter said opening in the strap or rim and said openings in the attaching end of the nose-bridge and nose-guard, and be secured therein.

4. In an eyeglass-mounting, the combination with the lens-strap having an opening therein, and the nose-bridge and nose-guard, each having an opening in its attaching end, of a post of flat or non-circular shape in cross-section, and having an attaching lug or projection on each end, to enter said opening in the strap and said openings in the attaching end of the nose-bridge and nose-guard, and be riveted therein.

5. In an eyeglass-mounting, the combination with a lens strap or wire, and the nose-bridge and nose-guard, each having an opening in its attaching end, of a post secured to the lens strap or wire, and having an attaching lug or projection thereon, to enter the openings in the attaching end of the nose-bridge and nose-guard, and be secured therein.

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