

G. R. HARE.
EYEGGLASS MOUNTING.
APPLICATION FILED MAY 16, 1911.

1,008,540.

Patented Nov. 14, 1911.

Fig. 1.

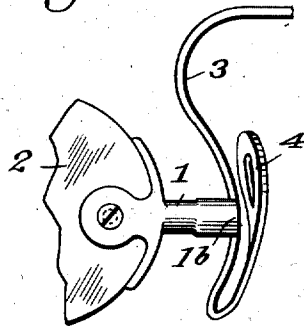


Fig. 2.

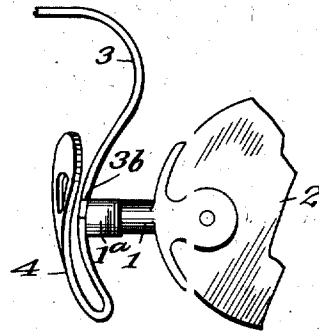


Fig. 3.

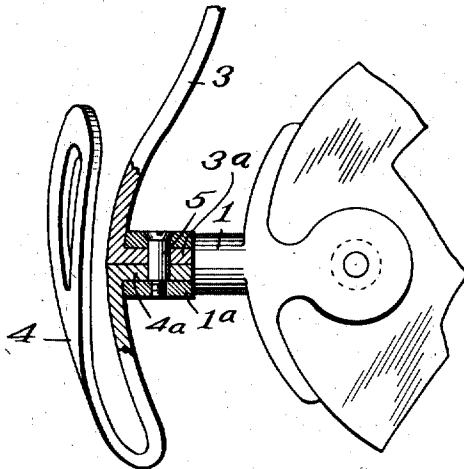


Fig. 4.

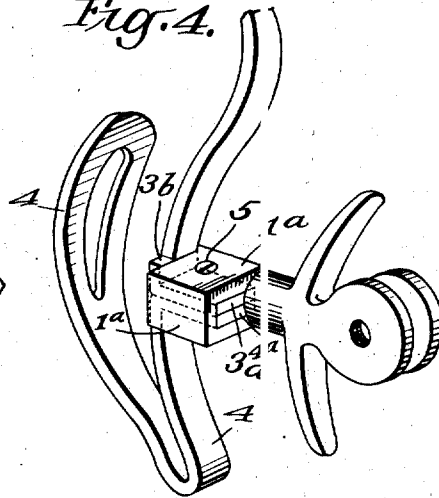


Fig. 5.

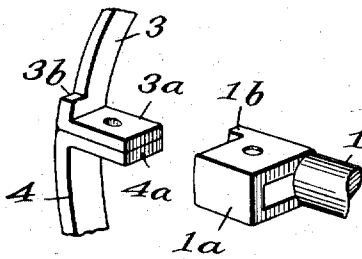
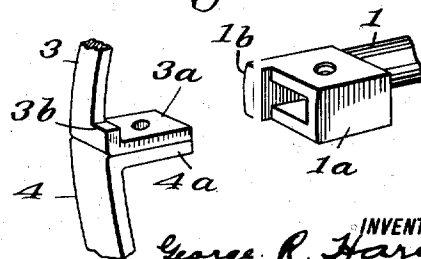


Fig. 5.



WITNESSES
H. Crocker
Wm. Ashley Kelly

INVENTOR
George R. Hare
Henry B. Williams
ATTORNEY

UNITED STATES PATENT OFFICE.

GEORGE R. HARE, OF NEW YORK, N. Y.

EYEGGLASS-MOUNTING.

1,008,540.

Specification of Letters Patent.

Patented Nov. 14, 1911.

Application filed May 16, 1911. Serial No. 627,502.

To all whom it may concern:

Be it known that I, GEORGE R. HARE, a citizen of the United States, residing at the borough of Manhattan, city of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Eyeglass-Mountings, of which the following is a specification, reference being had therein to the accompanying drawings, forming part thereof.

My invention relates to eyeglass mountings or frames, and the object of my invention is to obtain a mounting of simple construction and inexpensive of manufacture in which the joined parts will not loosen but will maintain their original rigid relation; a common fault of eyeglasses as usually constructed being the frequent annoying loosening of the parts and sometimes their separation and loss.

My invention is more particularly applicable to that type of mounting in which the lens-supporting posts, a connecting bow or spring, and glass-retaining nose-engaging guards are formed of separate pieces secured together.

My invention includes a post provided at its inner end with a box having a recess extending longitudinally of the post and opening at the inner end of the post, the spring or bow and the guard having corresponding outturned projections which are of equal dimensions and lie alongside one another such as the spring projection above and the guard projection below, and together fit into the recess in the box, suitable means being provided for firmly holding these projections in the box, such as a pin passing vertically through the box and through the contained projections of the bow and the guard, these projections in one effective construction embodying my invention, being flat and rectangular, the recess in the box being of corresponding rectangular shape and the box being offset rearwardly from the post, to present a smooth outward appearance, which is further heightened and the joint strengthened by providing a lug at the front of the post projecting longitudinally therefrom at the front of and in contact with the forward edges of the bow and guard and constituting a part of my invention.

My invention also includes other features of construction and combinations of parts, as will hereinafter appear.

I shall now describe the mounting illustrated in the accompanying drawings and embodying my invention and shall thereafter point out my invention in claims.

Figure 1 is a front elevation of the post and guard, a part of the spring and a part of one lens of a pair of eyeglasses. Fig. 2 is a partial rear elevation of the same. Fig. 3 is an enlarged partial rear elevation partly in vertical longitudinal section. Fig. 4 is an enlarged perspective view of the right half of the mounting looking from the rear and inwardly. Fig. 5 is a similar view of the parts at and in immediate proximity to the joint with the spring and guard separated from the lens-supporting post. Fig. 6 is a view similar to Fig. 5 but looking from the rear and outward instead of from the rear and inward, as in Figs. 4 and 5.

Because of the fact that the eye-glasses illustrated in the drawings are symmetrical from side to side, that is, from right to left, it is only necessary to show one side thereof, and accordingly the construction at the right side only (adjacent to the right eye of the wearer) of such glasses is shown and described herein, it being understood that a similar construction is employed also at the left side.

In the construction illustrated, a lens-supporting post 1 supports a lens 2 (shown as partly broken away in Figs. 1, 2 and 3) in a usual manner at the outer end of the post. At its inner end the post 1 is provided with a rectangularly and longitudinally recessed box 1^a offset rearwardly from the post and opening at the inner end of the post to the full extent of the recess and opening also partially to the extent of the recess at the rear of the post and outwardly from the box. The inner end of the post 1 is also provided with a lug 1^b which projects longitudinally inwardly beyond the box at the front of the post, forming a continuation of the post at this point and having a front surface continuous with the front surface of the post, the rear surface of this lug being in alignment with and forming a continuation of the forward wall of the recess in the box 1^a.

A bridge or bow is provided and is shown as a spring bow 3, substantially the right half only of this part appearing in the drawings. A guard 4 is provided and is shown as of recurved spring construction. In the mounting shown, the spring bow 3 approaches the inner end of the post 1 from above, and the spring guard 4 approaches from below. The spring bow 3 has an outturned flat rectangular end projection 3^a wider than the adjacent vertical portion of the bow and offset rearwardly therefrom. At such offset the bow 3 has an upwardly extending flange 3^b of the same width as the offset. The guard 4 has an outturned flat rectangular end projection 4^a of the same width and length as the projection 3^a of the bow and also shown as of the same width as the adjacent portion of the guard 4. The projections 3^a and 4^a are adapted to lie alongside of and in contact with one another, as more particularly shown in Figs. 5 and 6, with the projection 3^a above and the projection 4^a below; and these projections are together adapted to enter and fill the outwardly-opening longitudinal recess in the box 1^a of the post 1, as particularly shown in Figs. 3 and 4. When the projections 3^a and 4^a are thus contained in the box 1^a, the forward edges of the bow 3 and of the guard 4 abut against the rear surface of the lug 1^b, thereby forming a stronger and more rigid joint. The flange 3^b fits against the inner end of the box 1^a, being of a height flush with the upper surface thereof, and strengthens the bow 3 at the point of the junction of the projection 3^a, besides adding to the finish of the mounting.

A retaining pin 5 passes vertically through the box 1^a and through the contained projections 3^a and 4^a and firmly locks these parts together. This pin is shown as having at its lower end a slightly reduced screw-threaded portion engageable with corresponding screw-threads in the lower wall of the box 1^a, and as also having a slightly enlarged slotted upper end.

By reason of the construction above described the parts are firmly and rigidly locked together, without lost motion or liability to loosen. The opening outwardly of the box 1^a at the rear of the post, permits the use of a tool to force the mounting apart, and also permits the full length of the box 1^a to be utilized for the reception of the projections 3^a and 4^a of the bow 3 and guard 4, respectively.

It is obvious that various modifications may be made in the construction shown in the drawings and above particularly described within the principle and scope of my invention.

I claim:

1. An eyeglass mounting comprising a post provided at its inner end with a box

having therein a recess open at the inner end of the post and closed above and below and at the front and at the rear, a bow having an outturned end entering the box, a guard having an outturned end entering the box alongside of the bow end, and a retaining pin passing transversely through the box and engaging the bow end and the guard end to lock together the post and the bow and the guard.

2. An eyeglass mounting comprising a post provided at its inner end with a box having therein a horizontally flattened rectangular recess opening at the inner end of the post, a bow having a horizontally flattened outturned end fitting the upper side of the recess, a guard having a similar flattened outturned end fitting the lower side of the recess below and alongside of the bow end, and a vertical retaining pin passing through the box and its contents to thereby lock together the post and the bow and the guard.

3. An eyeglass mounting comprising a post provided at its inner end with a box offset rearwardly from the post and having therein a rectangular recess opening at the inner end of the post, the post also being provided with a lug projecting longitudinally inwardly beyond the box at the front of the post and with the rear side of the lug in alinement with and forming a continuation of the forward wall of the recess, a bow abutting at its forward edge against the lug and having an outturned flat end fitting into the recess, a guard also abutting at its forward edge against the lug and having a similar outturned flat end fitting into the recess alongside of the bow end, and retaining means for holding the ends of the bow and guard in the recess.

4. An eyeglass mounting comprising a post provided at its inner end with a box offset rearwardly from the post and having therein a rectangular recess opening at the inner end of the post and extending longitudinally through the box and also opening outwardly of the box at the rear of the post, the post also being provided with a lug projecting longitudinally inwardly beyond the box at the front of the post and with the rear side of the lug in alinement with and forming a continuation of the forward wall of the recess, a bow approaching the inner end of the post from above and abutting at its forward edge against the lug and having an outturned flat end wider than the adjacent portion of the spring and to that extent offset rearwardly therefrom, such outturned end fitting into the recess, the bow also having an upwardly turned flange inward of the outturned end and rearward from the adjacent narrower part of the spring, such flange being of uniform width with the rearward offset of the outturned

end and being of a height flush with the upper surface of the box, a guard having a part approaching the inner end of the post from below and also abutting at its forward edge against the inwardly projecting lug at the front of the post and having an outturned flat end fitting into the recess below and alongside of the bow end and being of the same width, and retaining means for

holding the ends of the spring and guard 10 in the recess.

In testimony whereof I have affixed my signature in presence of two witnesses.

GEORGE R. HARE.

Witnesses:

BERNARD COWEN,
HARRY LEWIS.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."