

G. A. BADER.
EYEGLASS MOUNTING.
APPLICATION FILED JAN. 17, 1912.

1,037,849.

Patented Sept. 10, 1912.

Fig. 1.

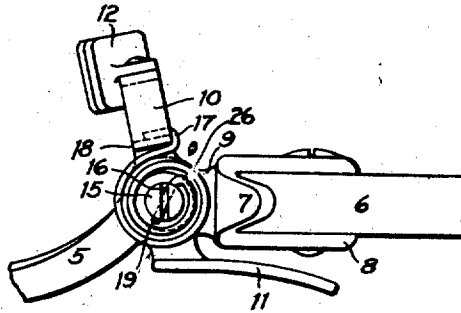


Fig. 2.

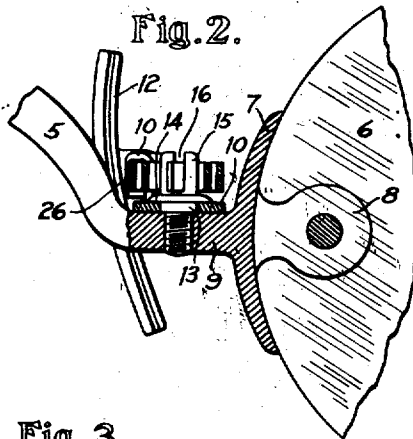


Fig. 3.

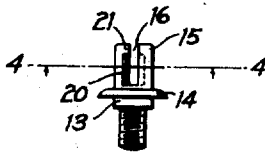
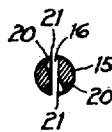


Fig. 4.



Witnesses:
Clarence W. Carroll
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Inventor:
Gustav A. Bader
by his attorneys
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UNITED STATES PATENT OFFICE.

GUSTAV A. BADER, OF ROCHESTER, NEW YORK.

EYEGLASS-MOUNTING.

1,037,849.

Specification of Letters Patent.

Patented Sept. 10, 1912.

Application filed January 17, 1912. Serial No. 671,724.

To all whom it may concern:

Be it known that I, GUSTAV A. BADER, a citizen of the United States, and resident of Rochester, in the county of Monroe and State of New York, have invented certain new and useful Improvements in Eyeglass-Mountings, of which the following is a specification.

This invention relates to eyeglass-mountings of the type in which the nose-clamps are mounted upon levers which are pivotally movable, and which are controlled by the action of coiled springs.

One object of the invention is to provide an eyeglass-mounting, of the type in question, with a simple and convenient device for supporting the coiled spring removably in operative position. To this end I employ a slotted post adapted to receive the coiled portion of the spring, with one end of the spring seated in the slot to anchor the spring, and in order to retain this end of the spring securely in place, while the eyeglass-mounting is in use, the post is provided, at the upper end of the slot, with inwardly-projecting members or lugs, these members normally overhanging and retaining the spring in the slot, owing to the angular position assumed by the end of the spring in consequence of the torsional action thereof.

Another object of the invention is to produce an eyeglass-mounting in which both the nose-clamp lever, or finger-lever, and the spring, may be mounted upon a single post or projection, the spring being also anchored at one end by said post, and being readily removable therefrom. To this end I employ a construction in which the lever in question is pivoted upon a post, this post having a flange, outside of the lever, to confine the latter against its bearing, and the post being also slotted, beyond said flange, to receive the end of a coiled spring which is removably mounted upon the post.

In the accompanying drawings:—Figure 1 is a plan-view, on a greatly enlarged scale, of a portion of an eyeglass-mounting embodying the present invention; Fig. 2 is a front-elevation, partly in section, showing the same parts; Fig. 3 is a side-elevation of the post illustrated in Figs. 1 and 2; and Fig. 4 is a horizontal section, looking upwardly, on the line 4—4 in Fig. 3.

The invention is illustrated as embodied in an eyeglass-mounting in which the gen-

eral form is familiar. Figs. 1 and 2 show a portion of the bridge 5 and one of the lenses 6, together with lens-straps 7, lens-clips 8, and a bearing-member or body 9 connecting these parts, and all of ordinary form. These figures also show a nose-clamp lever 10 of ordinary form, provided with the usual finger-piece 11 for actuating it, and with a nose-clamp 12 carried upon its inner end.

The invention resides particularly in the post by which the nose-clamp lever 10 is pivoted upon the bearing-member 9, and which supports and secures in place the spring for actuating the nose-clamp lever.

The nose-clamp lever is seated upon the upper surface of the bearing-member 9, and is pivoted upon a stud or post 13, which has a screw-threaded lower extremity screwed into the bearing-member. This post is provided with a flange 14 which lies just above the nose-clamp lever, thus confining the latter closely against the bearing-member, and restricting it to swinging movements in a horizontal plane. The portion 15 of the post above or beyond the flange serves as a support for a coiled spring 26 of flat spiral form, by which the nose-clamp lever is actuated. The outer end 17 of this spring is in the form of a hook, which engages a vertical portion 18 of the nose-clamp lever. The inner end 19 of the spring is straight, as shown in Fig. 1. The portion 15 of the post is slotted inwardly from its end, and in the slot so formed the straight end 19 of the spring may be readily introduced before the hooked end 17 engaged with the nose-clamp lever.

A feature of the present invention resides particularly in the means employed to retain the end 19 of the spring in the slot 16. To this end the post is provided, at the upper end of the slot, with inwardly projecting lugs or overhanging portions 21, which, in the illustrated embodiment of the invention, are produced by cutting away or beveling the metal at points 20 on opposite sides of the slot, as shown particularly in Figs. 3 and 4. Accordingly, when the hooked end 17 of the spring is engaged with the nose-clamp lever, the resulting torsion in the spring causes the end 19 to assume the angular position shown in Figs. 1 and 2, whereby it firmly engages the surface of the post beneath the lugs 21, being thus locked in place by the latter. Owing to this ar-

5 rangement, the spring cannot work off from the post during the use of the eyeglass mounting. When it is necessary, however, to replace or repair the spring, it can be very easily removed by first detaching the hooked end 17 and then swinging the end 19 into position to register with the upper extremity of the slot 16, so as to disengage it from the lugs 21 and permit the spring 10 to be withdrawn lengthwise of the post.

15 The arrangement above described, in addition to the novel and effective means for locking the spring in place, has the further advantage that it produces a simple and compact arrangement in which the nose-clamp lever and the spring are both mounted upon the same post, while the spring may readily be removed from the post without releasing the nose-clamp lever from operative position.

20 The threaded extremity of the post 13 is illustrated, in Fig. 2, as being threaded in a right-hand direction, so that the torsional action of the spring 16 cannot rotate and unscrew the post. Obviously, a left-hand thread should be used where the tendency of the spring is to rotate the post in a left-hand direction. The use of a threaded extremity on the post is not essential, however, 30 as other well-known expedients may be employed to fix the post to the bearing-member.

I claim:—

1. An eyeglass-mounting having, in combination, with a nose-clamp and a pivotally-movable lever connected therewith, a coiled spring connected, at one end, with said lever, and a post upon which the coiled portion of the spring is mounted, the post being slotted to receive the other end of the spring and having inward projections at the upper end of the slot, adapted to retain the spring on the post when its end assumes an angular position in the slot in consequence of the torsional action of the spring. 45

2. An eyeglass-mounting having, in combination, a nose-clamp, a lever upon which the nose-clamp is mounted, a flat bearing-member engaging one side of the lever, a stud, projecting from said bearing-member, upon which said lever is pivoted, the stud having a flange engaging said lever on the opposite side from the bearing-member and being slotted longitudinally from its end, and a coiled spring mounted on the stud beyond said flange and removable over the end thereof, one end of the spring being connected with said lever and the other end being seated in said slot. 55

GUSTAV A. BADER.

Witnesses:

FARNUM F. DORSEY,
D. GURNEE.

Correction in Letters Patent No. 1,037,84

It is hereby certified that in Letters Patent No. 1,037,849, granted September 10, 1912, upon the application of Gustav A. Bader, of Rochester, New York, for an improvement in "Eyeglass-Mountings," an error appears in the printed specification requiring correction as follows: Page 1, line 93, after the reference-numeral "17", insert the word *is*; and that the said Letters Patent should be read with this correction therein that the same may conform to the record of the case in the Patent Office.

Signed and sealed this 8th day of October, A. D., 1912.

[SEAL.]

C. C. BILLINGS,

Acting Commissioner of Patents.

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2. An eyeglass-mounting having, in combination, a nose-clamp, a lever upon which the nose-clamp is mounted, a flat bearing-member engaging one side of the lever, a stud, projecting from said bearing-member, upon which said lever is pivoted, the stud having a flange engaging said lever on the opposite side from the bearing-member and being slotted longitudinally from its end, and a coiled spring mounted on the stud beyond said flange and removable over the end thereof, one end of the spring being connected with said lever and the other end being seated in said slot. 55

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