

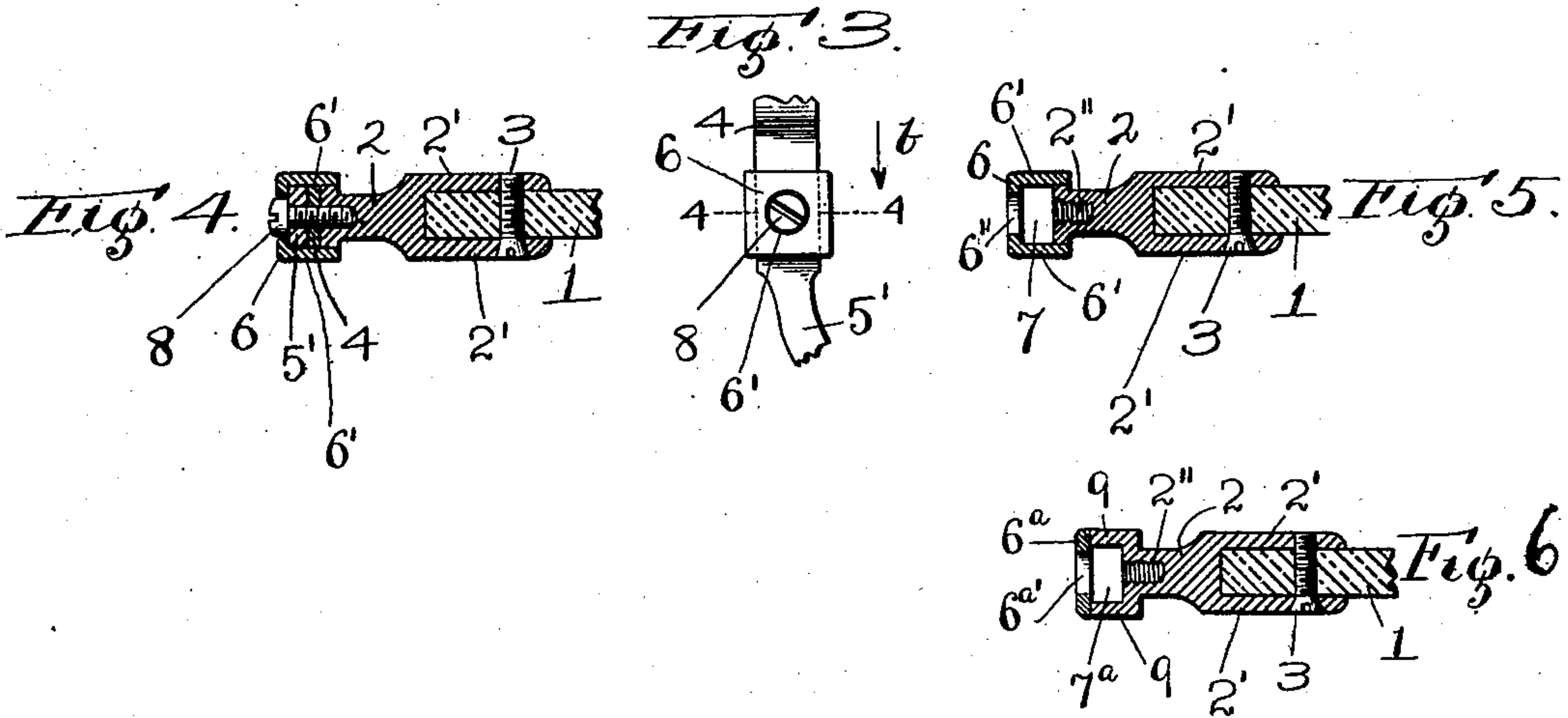
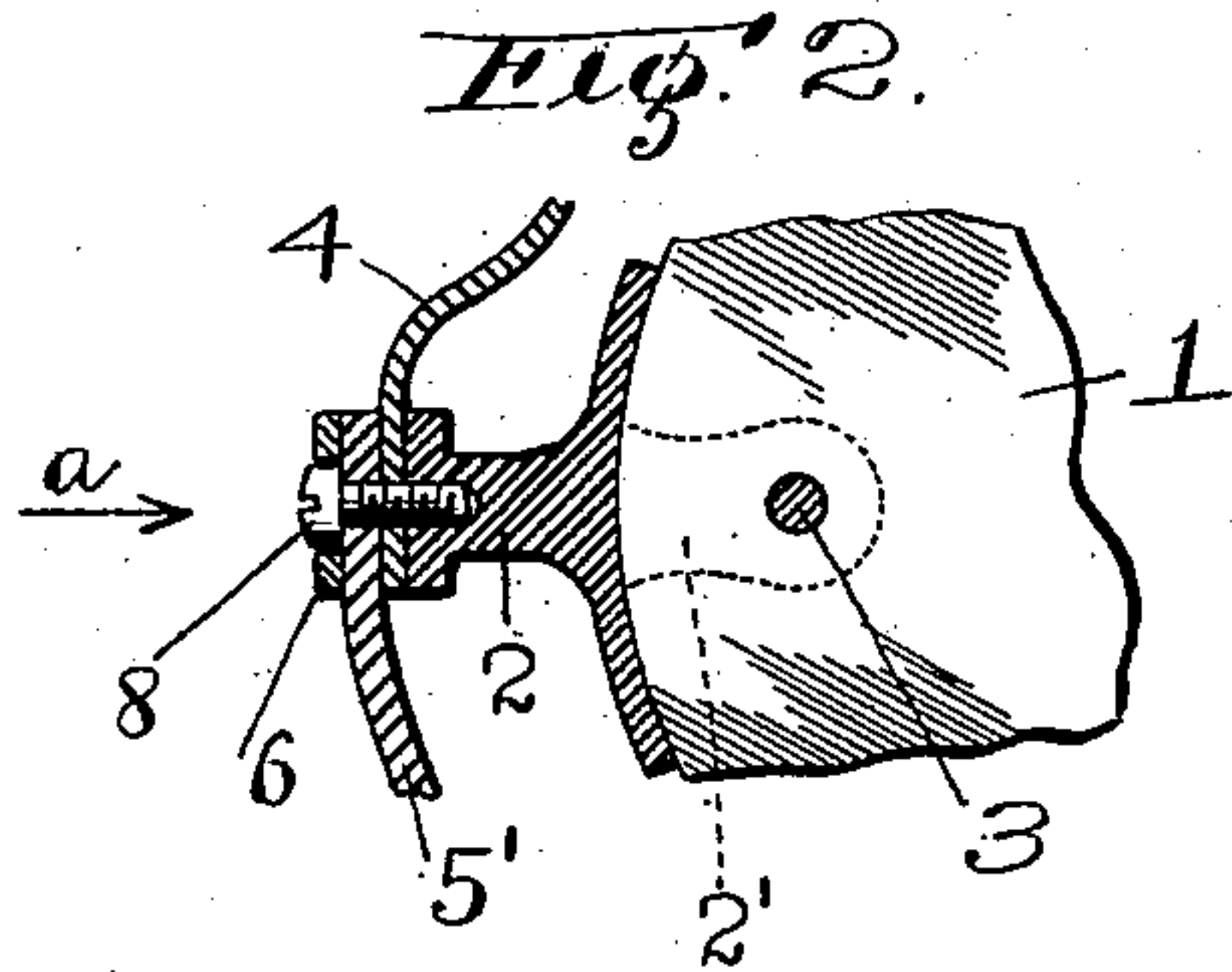
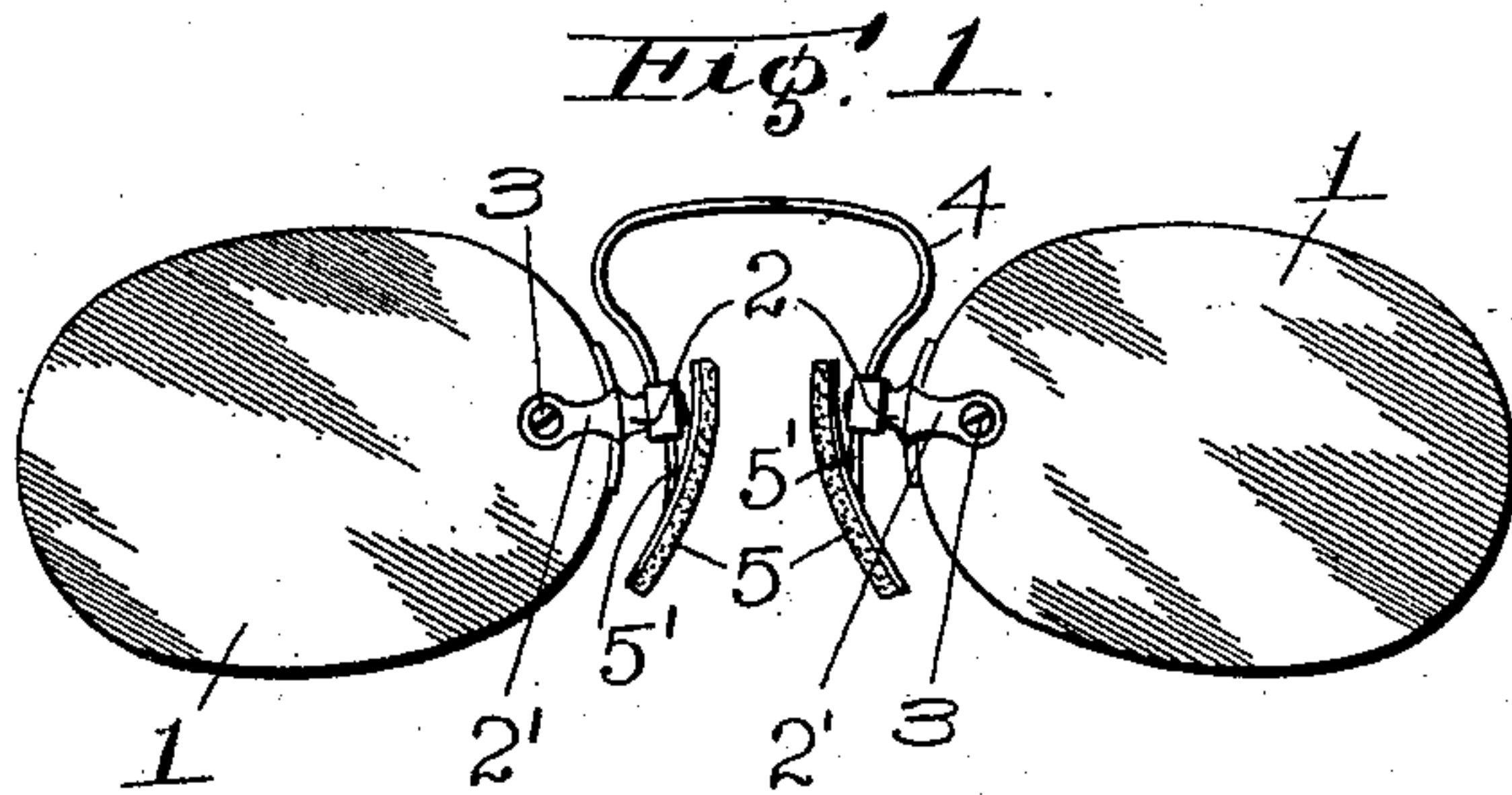
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Patented Dec. 24, 1901.

G. W. WELLS.
EYEGLASSES.

(Application filed Apr. 29, 1901.)

(No Model.)



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UNITED STATES PATENT OFFICE.

GEORGE W. WELLS, OF SOUTHBRIDGE, MASSACHUSETTS.

EYEGLASSES.

SPECIFICATION forming part of Letters Patent No. 689,664, dated December 24, 1901.

Application filed April 29, 1901. Serial No. 57,919. (No model.)

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 Eyeglasses, of which the following is a specification.

My invention relates to eyeglasses, and more particularly to the post in which are secured the end of the bow-spring and the end of the nose-guard.

In the ordinary construction of the post in eyeglasses the inner end is slotted or recessed to receive the end of the bow-spring and the end of the nose-guard, and a screw extends loosely through holes in said ends and is screwed into the post to secure the parts together. In this construction of the post the flanges or walls on the end of the post from overstrain or lack of strength are liable to spread sufficiently to allow of a slight movement of the end of the bow-spring and the end of the nose-guard edgewise. This movement will tend to turn out the screw and loosen the parts.

The object of my invention is to prevent any spreading of the flanges or walls on the end of the post, between which the end of the bow-spring and the end of the nose-guard extend, and consequently any edgewise movement of the bow-spring and the nose-guard to cause the holding-screw to be moved out and the parts loosened.

In my improved construction of the post I preferably make the inner end of the post without the usual projecting flanges, between which the bow-spring and nose-guard extend, and I provide a rigid or solid cap or end for the post of the same width as the post and having sides extending down over the sides of the post and soldered thereto to form an aperture or opening at the end of the post to receive the end of the bow-spring and the end of the nose-guard. There is an opening in the end of the cap, through which extends loosely the holding-screw, which also extends through a hole in the end of the nose-guard and the end of the bow-spring and is screwed into the post in the usual way. I prefer to have the hole in the end of the cap of sufficient size to allow the head of the holding-screw to come in contact with the end of the

nose-guard. It will be seen that with the rigid cap on the end of the post and a construction to be described there will be no spreading or opening to allow an endwise movement of the bow-spring and nose-guard.

My invention consists in certain novel features of construction of my improvements in eyeglass-posts, as will be hereinafter fully described.

Referring to the drawings, Figure 1 is a front view of an eyeglass having eyeglass-posts embodying my improvements. Fig. 2 is a vertical section through the post shown in Fig. 1. Fig. 3 is an end view of the parts shown in Fig. 2 looking in the direction of arrow *a*, same figure. Fig. 4 is a horizontal section through the post at a point indicated by lines 4-4, Fig. 3, looking in the direction of arrow *b*, same figure. Fig. 5 corresponds to Fig. 4; but the nose-guard, bow-spring, and screw are not shown. Fig. 6 corresponds to Fig. 5, but shows a modified construction of the post. Figs. 2 to 6, inclusive, are on an enlarged scale.

In the accompanying drawings, 1 represents the lenses, which in this instance are shown as rimless.

2 represents the posts, each of which has a pair of attaching lugs or ears 2', between which the inner edge of the lens 1 extends, and is secured in place by a screw 3 in the ordinary way.

4 is the bow-spring of any ordinary shape, and 5 the nose-guards, which in this instance are shown as offset and provided with an attaching-arm 5'.

I will now describe the construction of the post to which, as above stated, my invention particularly relates.

The inner end of the post 2 is made without the usual projecting lips or flanges, forming a recess to receive the end of the bow-spring and the end of the arm on the nose-guard. A cap 6 of the same width as the end of the post, as shown in Fig. 3, and preferably made of sheet metal, with its two sides 6' bent at right angles to the end, is fitted onto the end of the post 2, and the sides 6' of the cap 6 soldered to the sides of the post 2 to rigidly secure the cap thereon and leave an aperture or opening 7, as shown in Fig. 5. Within the opening 7 extends the end of the

bow-spring 4 and the end of the supporting-arm 5' on the nose-guard 5, as shown in Fig. 2. The end of the cap 6 has a central opening 6'' therein, and a binding-screw 8 extends loosely through said opening 6'' and through a hole in the end of the supporting-arm of the nose-guard and in the end of the bow-spring, with its head extending loosely in the opening 6'' in the cap 6. The screw 8 is screwed into a threaded hole 2'' in the post 2 to cause the head on the screw 8 to bear against the end of the supporting-arm 5' on the nose-guard 5 and secure said end and the end of the bow-spring within the aperture or opening 7 in the post, as shown in Figs. 2 and 4.

It will be understood that the details of construction of my improvements in eyeglass-posts may be varied, if desired. For example, the post may be made in the usual way, as shown in Fig. 6, with the flanges 9 on its inner end, between which the end of the nose-guard and the end of the bow-spring extend, and a cap or plate 6^a, having a central opening 6^a' therein, soldered or fastened on the end of the flanges to form the opening 7^a, corresponding to the opening 7 shown in Fig. 5.

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

1. An eyeglass-post, a nose-guard and bow-spring, a cap having side apertures or openings to receive the ends of the nose-guard and

bow-spring, said cap being also provided with a central opening, and a screw passing loosely through said central opening and bearing directly on the nose-guard or bow-spring for clamping the same between the end of the post and head of the screw.

2. An eyeglass-post, a nose-guard and bow-spring, a cap having its sides fitted about the end of the post and secured thereto, said cap having a central opening and an aperture or opening to receive the end of the nose-guard and bow-spring, and a screw for securing the nose-guard and bow-spring within the cap, the said screw passing loosely through said central opening and binding the nose-guard and bow-spring between the head of the screw and end of the post.

3. An eyeglass-post, a nose-guard and bow-spring, a cap having its sides fitted about the end of the post and soldered thereto, said cap having a central opening and an aperture or opening to receive the end of the nose-guard and bow-spring, and a screw for securing the nose-guard and bow-spring within the cap, the said screw passing loosely through said central opening and binding the nose-guard and bow-spring between the head of the screw and the end of the post.

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