

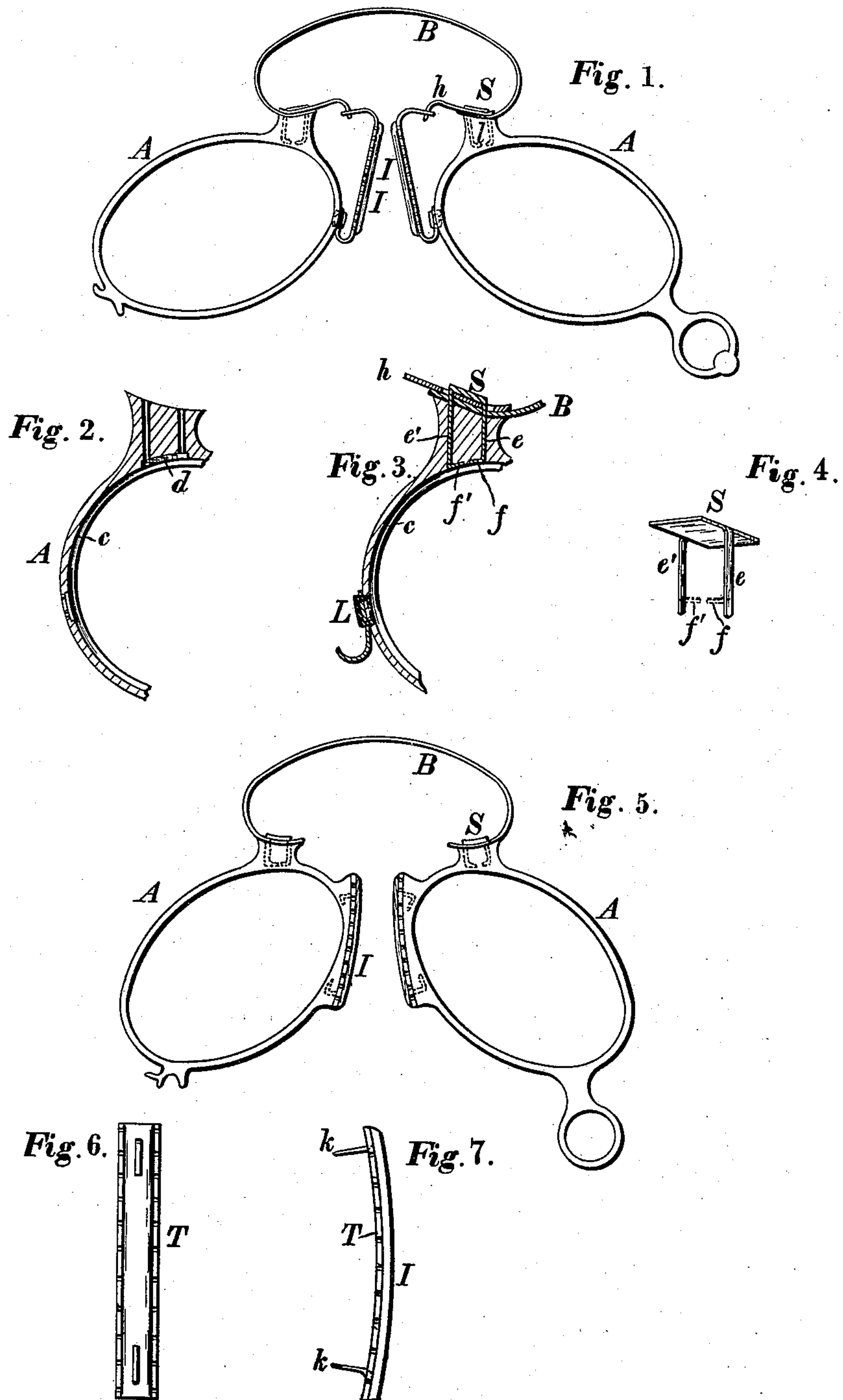
(No Model.)

J. J. BAUSCH.

EYEGLASSES.

No. 322,673.

Patented July 21, 1885.



WITNESSES.

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JOHN J. BAUSCH, OF ROCHESTER, NEW YORK, ASSIGNOR TO THE BAUSCH & LOMB OPTICAL COMPANY, OF SAME PLACE.

EYEGLASS.

SPECIFICATION forming part of Letters Patent No. 322,673, dated July 21, 1885.

Application filed April 22, 1885. (No model.)

To all whom it may concern:

Be it known that I, JOHN J. BAUSCH, of Rochester, New York, have invented certain Improvements in Eyeglasses, of which the following is a specification, reference being had to the accompanying drawings.

My present invention relates to certain improvements in eyeglasses, which improvements are fully described in the following specification, and the novel features thereof specified in the annexed claims.

In the accompanying drawings, representing my improvements in eyeglasses, Figure 1 is an elevation. Fig. 2 is a longitudinal section through a portion of one of the eyeglass-frames. Fig. 3 is also a longitudinal section through one of the frames, showing the means for attaching the bow and nose-piece thereto. Fig. 4 represents the staple detached. Fig. 5 is an elevation of a pair of eyeglasses of modified form. Fig. 6 represents the nose-piece detached, as seen from the side which is applied to the frame. Fig. 7 is a side view of the nose-piece detached.

My present invention relates to improved means of attaching the bows or nose-pieces to the frames of eyeglasses, and is designed to be employed as a substitute for the small screws or rivets by which these parts are ordinarily fastened together. In the attachment of these various pieces to each other, I employ a clamp or staple of substantially such a form as represented in Fig. 4 of the drawings. This staple is easily and cheaply formed by suitable machinery from sheet metal, and the manner of using it to secure the various parts together will be readily understood from the illustrations, the two ends or legs *e e'* of the staple being passed through holes in the bow and frame, and their inner ends being bent over within the groove *c* in the frame which receives the glass, as indicated at *f f'*, so as to form a firm connection between the bow or other parts and the frame. If the frame consists of hard material, I form a recess, *d*, Fig. 2, in the groove in the inner side of the frame for the reception of the bent end or ends of the staple. This recess may be readily made by a suitable rotary milling-tool. For frames of soft materials—such as rubber, horn, or celluloid—the ends of the staple may be forced into the substance of the frame to a sufficient depth to permit the introduction of the glass. I prefer to provide the staple with

the enlarged flat head, as represented in the drawings, in order to secure a better finish; but the enlargement is not essential. The ends of the staple may be bent over inside the groove by any suitable instrument. I prefer to use a pair of pliers for this purpose, one of the jaws of which is made of a form adapted to enter the groove and to bend the ends of the staple over therein. In some forms of construction I also attach the guide *h* of the nose-piece to the frame by means of the staple *S*, as indicated in Figs. 1 and 3. I also use an elongated staple for the purpose of attaching the nose-piece to the frames in some styles of eyeglasses, as represented in Figs. 5, 6, and 7. In this form the nose-piece, which may be of cork, rubber, or other suitable material, is attached to the frame by means of the metallic fastening or staple *T*, secured to the frame by the projecting arms or lugs *k k*, which are inserted through openings in the frames and bent over within the groove inside the frame. The nose-piece *I* is attached to the staple *T* by the edges of the latter, which are bent over the sides of the nose piece, being slit or notched to facilitate this operation.

My invention is superior to any other means heretofore employed for attaching the parts of eyeglasses to each other, in that it is cheaper, more quickly applied, forms a stronger and more durable fastening, and permits of repairs with much greater facility.

I claim—

1. The herein-described eyeglass-frame *A*, having an internal groove, *c*, adapted to receive the glass, said groove being provided with a recess, *d*, for the reception of the bent end of the staple or fastening device, substantially as described.

2. The combination, with the frame *A* and bow *B*, of the staple *S*, having its inner ends, *f f'*, bent over within the groove in the frame, substantially as described.

3. The combination, with the frame *A*, of the nose-piece *I*, attached to the frame by means of the staple *T*, provided with tongues *k k*, having their inner ends bent over within the groove in the frame, substantially as described.

JOHN J. BAUSCH.

Witnesses:

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