(No Model.)

W. BOWKER.

EYEGLASSES.

No. 440,392. Patented Nov. 11, 1890.

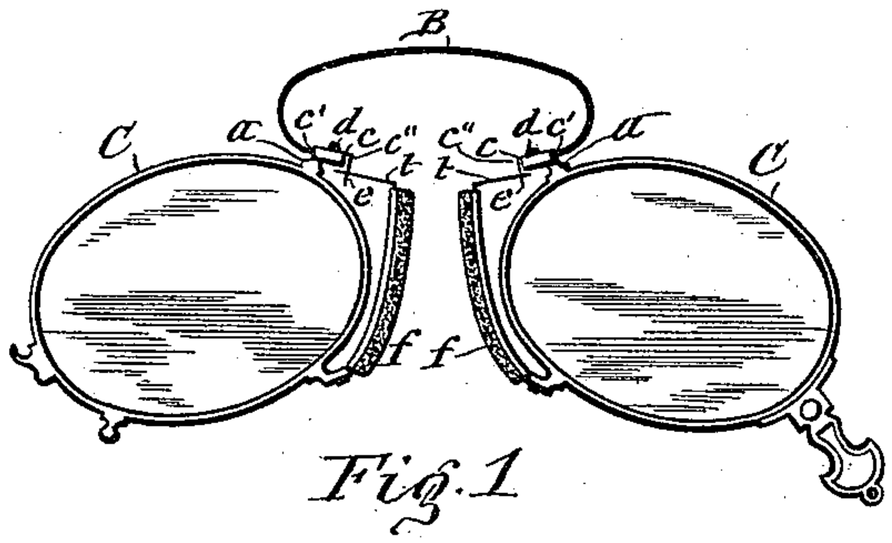

Fig. 1

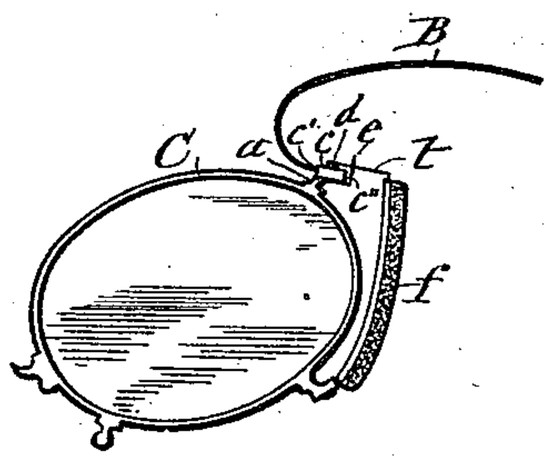

Fig. 2

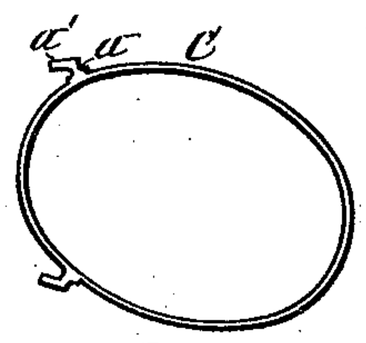

Fig. 3

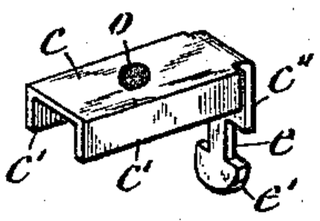

Fig. 4

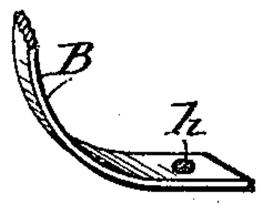

Fig. 5

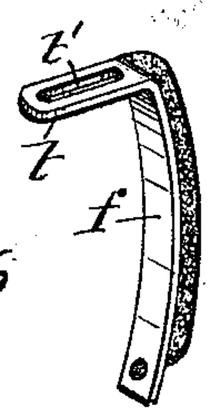

Fig. 6

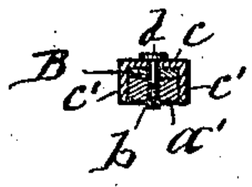

Fig. 7

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WILLIAM BOWKER, OF GENEVA, NEW YORK.

EYEGLASSES.

SPECIFICATION forming part of Letters Patent No. 440,392, dated November 11, 1890.

Application filed July 12, 1890. Serial No. 358,548. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM BOWKER, of Geneva, in the county of Ontario, in the State of New York, have invented new and useful Improvements in Eyeglasses, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

This invention relates to the connection of the upper end of a flexible nose-piece and end of the bow-spring to the lens-frame; and the invention consists in a novel construction and combination of parts, which effect the aforesaid connection in a perfectly secure manner and by the employment of a single screw, all as hereinafter more fully described, and specifically set forth in the claims.

In the annexed drawings, Figure 1 is a front view of a pair of eyeglasses embodying my improvements. Fig. 2 illustrates a modification of the same. Fig. 3 is a detached front view of that portion of the eyeglass-frame to which the spring-bow and upper end of the nose-piece are connected. Fig. 4 is an enlarged detached perspective view of the shoe employed in the connection of the aforesaid parts. Fig. 5 is an enlarged perspective view of one of the end portions of the spring-bow. Fig. 6 is an enlarged perspective view of the nose-piece, and Fig. 7 is an enlarged transverse section on line $x\,x$, Fig. 1.

Similar letters of reference indicate corresponding parts.

C C represent the lens-frames, B the spring-bow which connects said frames, and $f\,f$ designate the nose-pieces.

The upper part of each of the frames C, I provide with a stud a, which is rigidly attached to or integral with the frame and formed with a limb a', which projects nearly or quite horizontally from the top of the stud, as best seen in Fig. 3 of the drawings. Said limb is provided with a vertical screw-threaded eye b for the purpose hereinafter explained. The end portion of the spring-bow rests upon the limb a', and is provided with a perforation h, coinciding with the eye b. Upon said end portion of the spring-bow is mounted a metallic shoe c, which is formed with downwardly-projecting side flanges $c'\,c'$ and end flange c'', by which it embraces the edges of the spring-bow and subjacent limb a', as clearly shown in Fig. 7 of the drawings. This shoe is also provided with a perforation o for the reception of the screw d, which passes vertically through the shoe and underlying portion of the spring-bow and engages the eye b of the limb a', so as to securely fasten to the latter the aforesaid superposed parts. The hold of the side flanges $c'\,c'$ and end flange c'' of the shoe on the edges of the subjacent parts relieves the screw from lateral strain and effectually retains said parts in their requisite relative positions.

The end flange c'' of the shoe is formed with a vertical spur e, which may project either downward, as shown in Fig. 1 of the drawings, or upward, as represented in Fig. 2 of the drawings, and is preferably formed with a head e', as illustrated in Fig. 4 of the drawings.

The nose-piece f is flexibly connected at its lower end to the lower portion of the lens-frame C in any suitable or well-known manner. The upper end of the nose-piece is formed with a horizontal or approximately horizontal tongue t, which is slotted longitudinally, as represented at t' in Fig. 6 of the drawings.

Into the slot t' of the tongue t is inserted the spur e, which is accomplished before the shoe is fastened by the screw d and by turning the shoe so as to bring the flat side of the head e' of the spur e parallel with the slot t' and allow it to pass through said slot and then turning the shoe back into its position over the limb a'.

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

The combination, with the lens-frame C, of the stud a, formed with the projecting limb a' and provided with a vertical screw-threaded eye b in said limb, the bow B, resting with its end upon the limb a' and perforated corresponding to the eye b, the shoe c, mounted on the end portion of the bow and

embracing the edges of the bow and limb and perforated correspondingly and formed with the vertical spur *e*, the screw *d*, passing through the shoe and spring-bow and engaging the eye *b*, and the nose-piece *f*, formed with the tongue *t*, slotted longitudinally and receiving through it the spur *e*, substantially as described and shown.

In testimony whereof I have hereunto signed my name this 9th day of July, 1890.

WILLIAM BOWKER. [L. S.]

Witnesses:
C. N. HEMIUP,
L. W. KEYES.