No. 708,141. Patented Sept. 2, 1902.

A. K. HAWKES.

EYEGLASSES.

(Application filed Jan. 16, 1902.)

(No Model.)

Fig. 1.

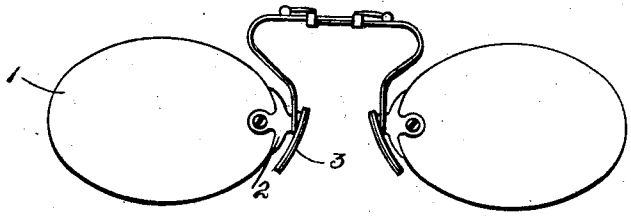


Fig. 2.

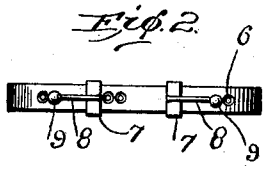
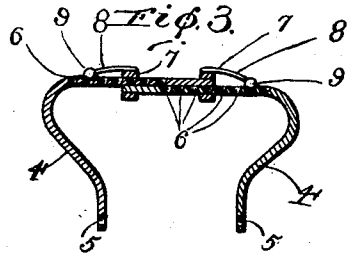


Fig. 3.



Witnesses:
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UNITED STATES PATENT OFFICE.

ALBERT K. HAWKES, OF ATLANTA, GEORGIA.

EYEGLASSES.

SPECIFICATION forming part of Letters Patent No. 708,141, dated September 2, 1902.

Application filed January 16, 1902. Serial No. 90,035. (No model.)

To all whom it may concern:

Be it known that I, ALBERT K. HAWKES, a citizen of the United States, residing at Atlanta, in the county of Fulton and State of Georgia, have invented certain new and useful Improvements in Eyeglasses, of which the following is a specification.

In the drawings, Figure 1 represents an elevation of a pair of eyeglasses embodying my invention. Fig. 2 is a top plan view of the same, the lens being removed. Fig. 3 is a vertical longitudinal section of Fig. 2.

The object of my invention is to provide means whereby the tension upon the spring-bow may be regulated and the width of the bow adjusted to suit noses of different widths.

My invention consists of a clasp on the end of each spring encircling the overlapping spring and carrying a horn formed at its ends with a ball that enters a series of seats or depressions, so as to form a detent that will resist the tendency of the glasses to part when in use, but will yield to abnormal pressure when the glasses are to be adjusted; and my invention consists, further, of the parts and combination of parts, as will be hereinafter more fully pointed out.

1 represents the lens, 2 the lens-clasp, and 3 the nose-guard, all of approved construction.

4 represents one of the tension-springs constructed according to my invention and having the usual perforation 5 at its lower end, whereby it may be attached to the lens-clasp and nose in the usual manner, as by a small screw. (Not shown.) This spring member 4 is of the usual shape; but the upper flat arm is provided with a series of seats or depressions 6, while the outer end of this spring is encircled by a collar or band 7, from which projects a depending horn 8, carrying a ball 9 upon its lower end. The other spring member is constructed in accordance with the description just given. It will thus be seen that my invention comprises a clasp 7 on the end of each spring 4, which encircles the overlapping spring and carries the horn 8 at its end, whereby the ball 9 is in a position to enter the series of seats 6, so as to form a detent that will resist the tendency of the glasses to part when in use, but at the same time will yield to abnormal pressure when the glasses are to be adjusted on the nose. This construction is such that causing the flexure of the spring in one direction the joint will slide very freely, and bending in the direction in which the springs are forced when in use causes the detent to grip tighter, as will be obvious to those skilled in the art.

What I claim as new, and desire to secure by Letters Patent, is—

1. A spring-bow for eyeglasses, comprising two separate spring members, a series of detents formed in said members, and a horn depending from the end of each member adapted to engage the detents in the other member and lock the members against movement.

2. In combination with the lens of eyeglasses, the connecting-spring made in two separate parts, bands carried by the upper end of each spring, the bands of one spring adapted to encircle the other spring, and means mounted upon each of such bands adapted to clasp the spring passing under it.

3. In combination with the lens of eyeglasses, the connecting-spring made in two separate parts, bands carried by the ends of each spring, the band of one spring adapted to encircle the other spring, of a ratchet connection between said bands and said springs.

4. In combination with the lens of eyeglasses, the connecting-spring made in two separate parts, a series of detents or seats formed in said spring and a band carried by the end of each spring; a horn depending from each of said bands and a ball secured upon the lower end of each horn adapted to engage the said series of detents or seats.

The foregoing specification signed this 14th day of January, 1902.

ALBERT K. HAWKES.

In presence of—

D. B. DE SAUSSURE,

LEO STILLMAN.