

No. 850,213.

PATENTED APR. 16, 1907.

A. A. DAY.
EYEGLASSES.

APPLICATION FILED OCT. 3, 1906.

Fig. 1.

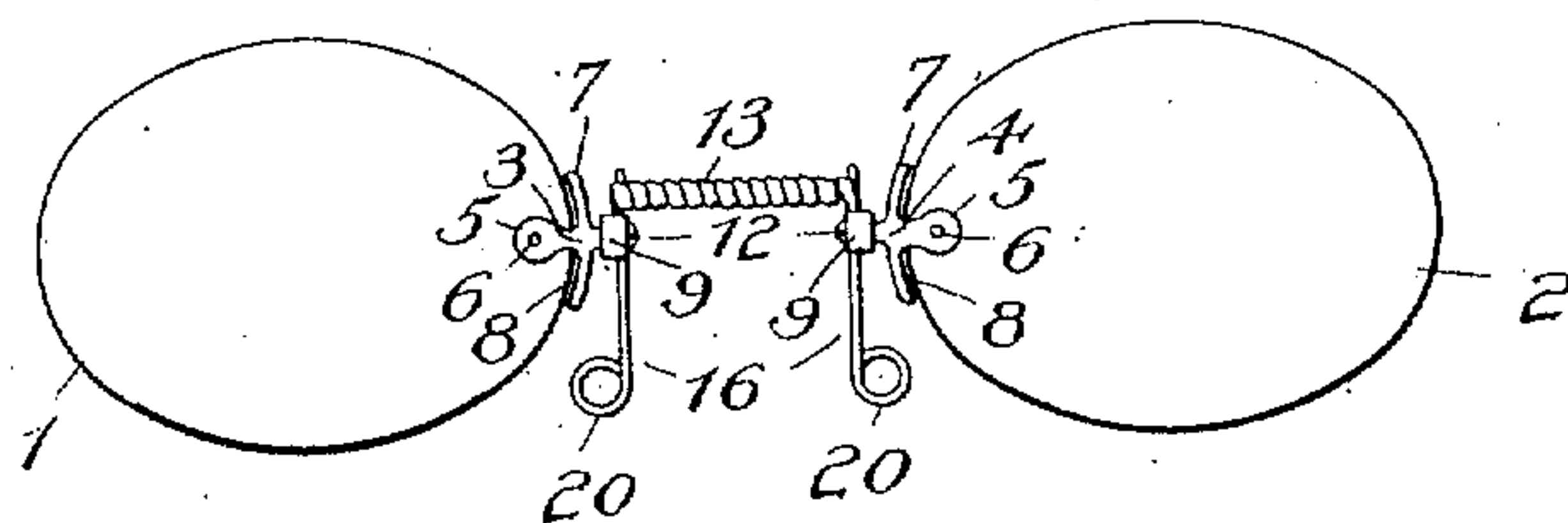


Fig. 2.

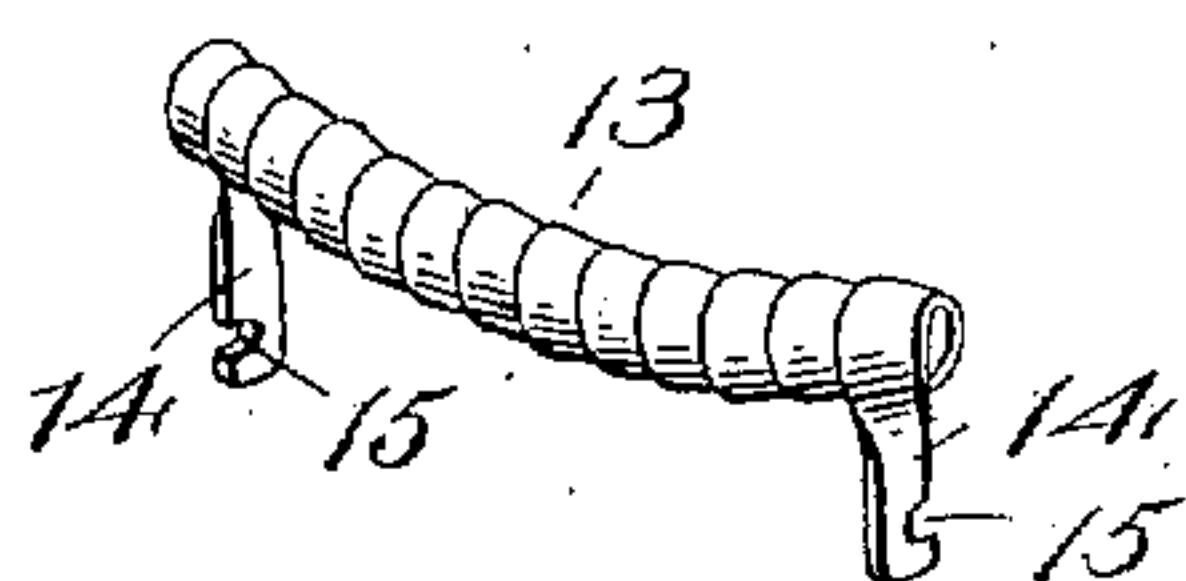


Fig. 3.

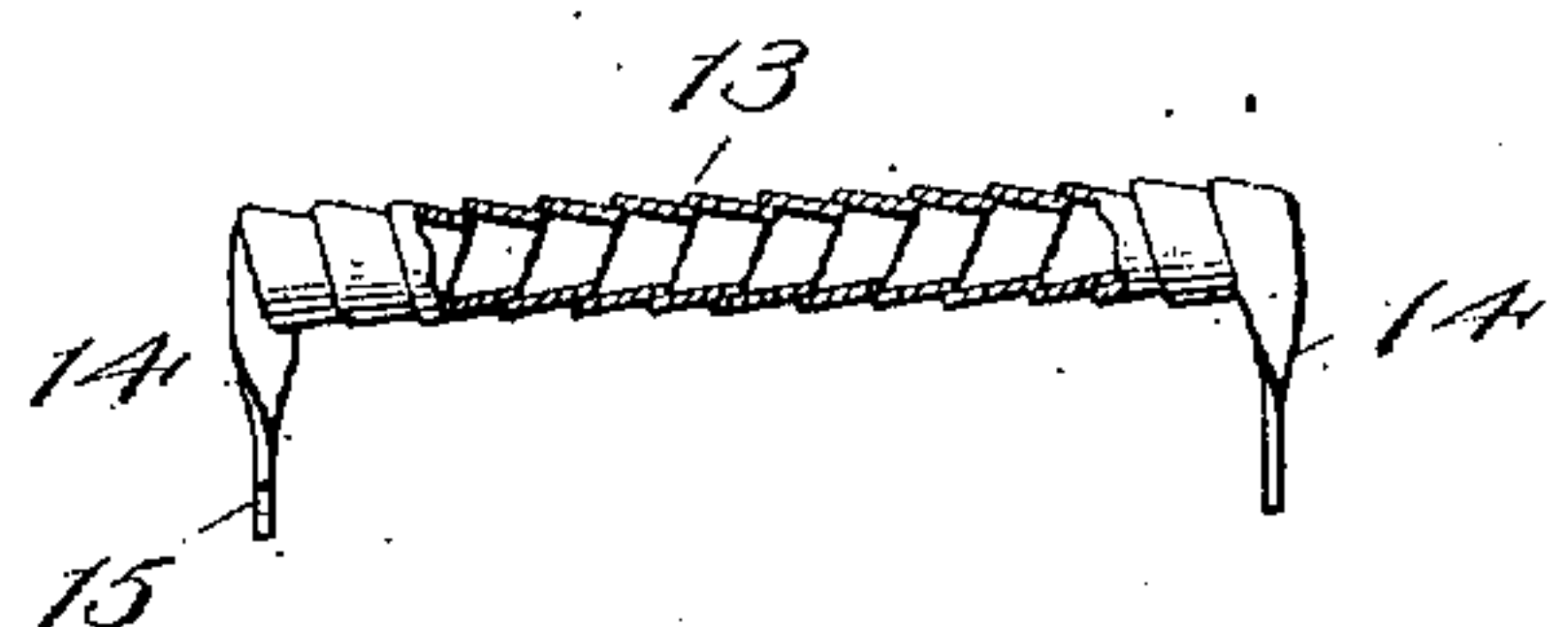


Fig. 7.

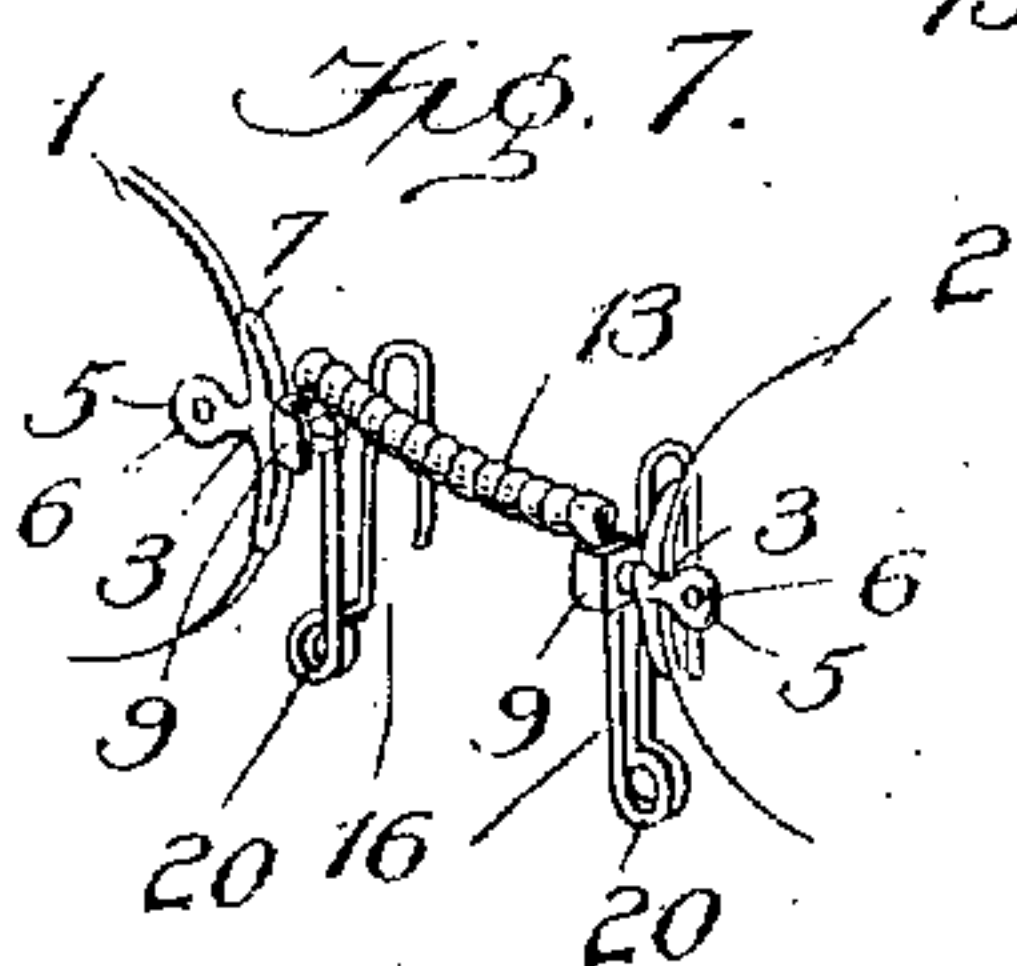


Fig. 4.

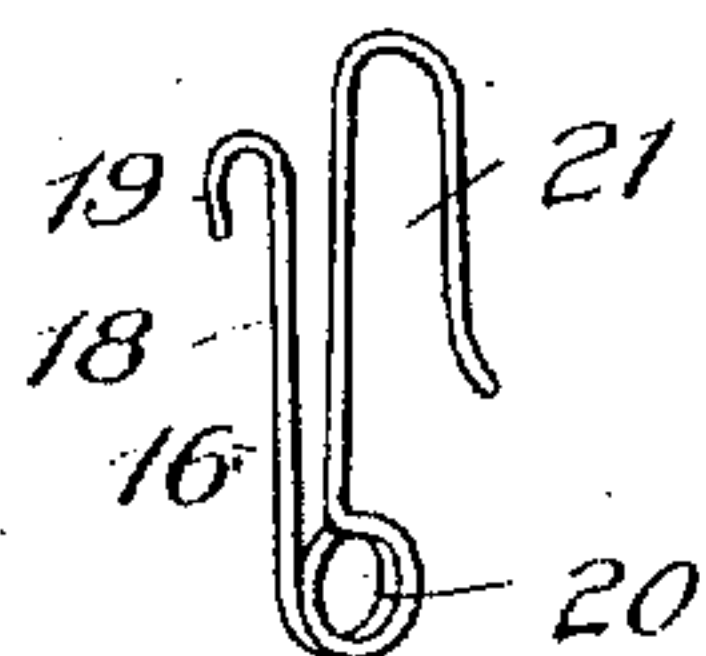


Fig. 5.

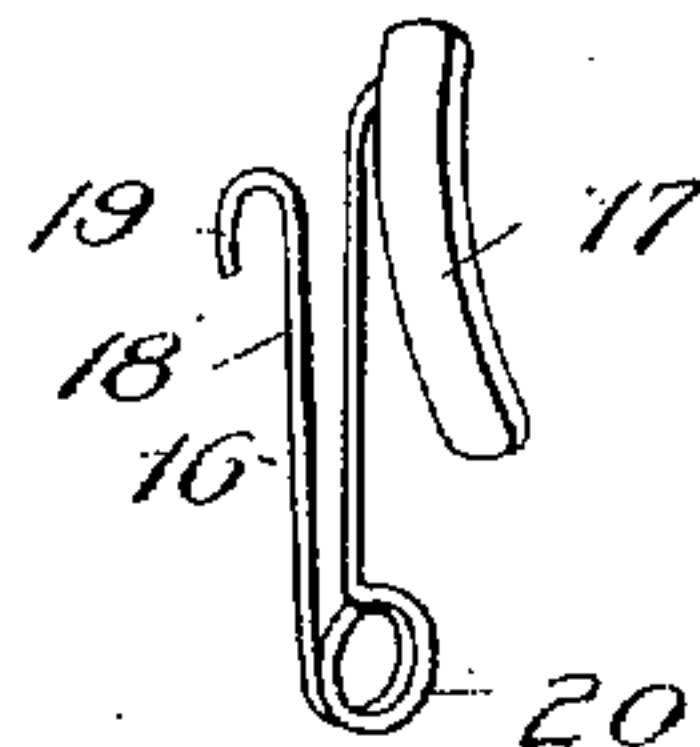
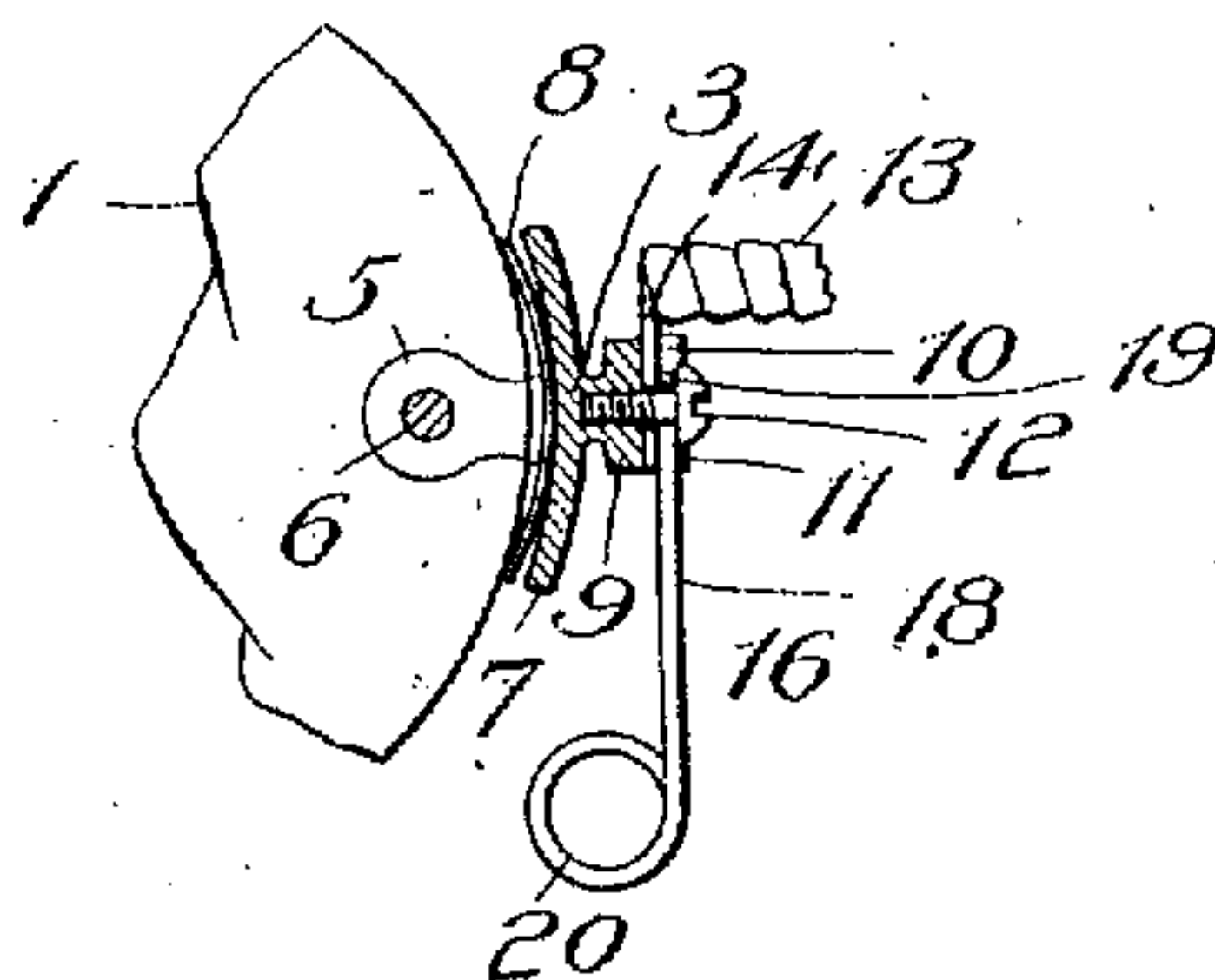


Fig. 6.



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ALFRED A. DAY, OF BROCKTON, MASSACHUSETTS.

EYEGLASSES.

No. 850,213.

Specification of Letters Patent.

Patented April 16, 1907.

Application filed October 3, 1906. Serial No. 337,208.

To all whom it may concern:

Be it known that I, ALFRED A. DAY, a citizen of the United States, residing at 43 Main street, Brockton, in the county of Plymouth and State of Massachusetts, have invented new and useful Improvements in Eyeglasses, of which the following is a specification.

The invention relates to eyeglasses, and has for its purpose or object to provide an eyeglass possessing an improved arrangement of nose-bridge and nose-piece, whereby a very simple, economical, secure and efficient lens-glass mounting is obtained.

With the foregoing and other objects in view the invention consists of the novel construction, combination, and arrangement of parts, as hereinafter more specifically set forth, and illustrated in the accompanying drawings, wherein is shown the preferred embodiment of the invention; but it is to be understood that changes, variations, and modifications can be resorted to which come within the scope of the claims hereunto appended.

In describing the invention in detail reference is had to the accompanying drawings, wherein like reference characters denote corresponding parts throughout the several views, and in which—

Figure 1 is an elevation of a part of eyeglasses in accordance with this invention. Fig. 2 is a view of the nose-bridge detached, somewhat enlarged. Fig. 3 is a longitudinal sectional view of the nose-bridge, somewhat enlarged. Fig. 4 is a detail showing one of the nose-pieces. Fig. 5 is a view of one of the nose-pieces carrying a nose-guard, and Fig. 6 is an enlarged sectional detail showing the manner of securing a nose-bridge and a nose-piece to one of the lenses. Fig. 7 is a detail perspective of the nose-bridge and nose-piece.

Referring to the drawings by reference characters, 1 2 denote the lenses, and 3 4 the lens-posts, each having a bifurcated end 5 to receive the lens, the latter secured to the bifurcated end of a post through the medium of a holdfast device 6. Each of the lens-posts at the beginning of the bifurcated end is formed with a pair of laterally-extending curvilinear flanges 7, which conform in contour to the edge of the lens, and interposed between the flanges 7 and the lens is a bow-shaped spring-washer 8, of a size substantially equal to the pair of flanges 7, so that

the washer will not project beyond said flanges, and thus prevent an unsightly appearance. The spring-washer 8 holds the lens in a rigid manner and minimizes liability of the lens working loose. It often occurs that the opening through the lens for the holdfast device 6 is cut too near the edge of the lens, and when the lens is mounted it permits of play of the lens, which is very objectionable, as the flanges 7 will not firmly press against the edge of the lens. If such be the case, the objection is readily overcome by the interposition of the washer 8, the latter taking up and compensating for the play of the lens, and thereby causing the lens to become absolutely rigid relative to its mounting. Each of the lens-posts 3 4 at what may be termed its "inner end" is squared, as at 9, with the said squared portion channeled from top to bottom, as 10, so as to provide a pair of ribs 11, between which one end of the nose-bridge and one end of the nose-piece is secured through the medium of the holdfast device 12 engaging in the post from the rear.

The nose-bridge 13 is formed of a coiled strip of spring metal, the coil being in contact or closed against each other, and preferably the coils overlap, so that there will be no danger whatsoever of the bridge pinching the flesh of the nose at any time, as owing to the closing or overlapping of the coils when the bridge is bowed the coils will not separate to such an extent that the flesh of the nose can be caught and pinched between the edges of the coils. The nose-bridge 13 is substantially straight, but possesses the necessary flexibility and resiliency so that it can be bowed to the desired position and will, furthermore, comfortably bridge the nose of the wearer, yet seat with the spring-pressure requisite to retain the glasses in position. Each end of the bridge 13 is formed with a depending arm 14, notched, as at 15. The arms 14 are positioned in the channels 10 and fixedly secured to lens-posts 3 4 by the holdfast devices 12. The notches 15 of the arms 14 permit of the passage of the holdfast devices 12.

The nose-pieces 16, which may or may not be provided with the guards 17, each consists of a piece of spring-wire bent to form a depending arm 18, having a hooked-shaped upper end 19, which is adapted to be seated between the ribs 11 and engaged by a holdfast device 12 for fixedly securing the nose-

piece to a lens-post. The lower end of the arm 18 terminates in a spring-coil 20, which extends at right angles with respect to said arm 18 and terminates in an upwardly-extending inverted-U-shaped arm 21, one of the members thereof preferably being shorter than the other. The inverted-U-shaped arm 21 extends at right angles with respect to the coil 20. Owing to the manner in which the nose-pieces are set up the maximum of flexibility and resiliency is obtained so as to afford a gentle spring-pressure against the nose and at the same time firmly engage the nose to assist in maintaining the glasses in position in use.

Although the nose-pieces and the nose-bridge are shown as being formed of three independent elements, yet it is obvious within the scope of my invention they can be formed as a unitary structure with the nose-pieces as a continuation of the nose-bridge.

Having fully described the invention, what is claimed as new, and desired to be secured by Letters Patent, is—

1. A pair of eyeglasses having a pair of nose-pieces each formed of a depending and an upwardly-extending inverted-U-shaped arm and a spring-coil connecting the arms together; said coil extending at right angles with respect to said arms.

2. A pair of eyeglasses having a pair of nose-pieces each formed of a depending and an upwardly-extending inverted-U-shaped arm and a spring-coil connecting the arms together; said coil extending at right angles

with respect to said arms, said depending arm having a hooked-shaped upper end.

3. A pair of eyeglasses comprising a pair of lens-posts, a lens secured to each of the posts, a closely-coiled spring member constituting a nose-bridge and having a notched arm at each end, and a pair of nose-pieces each provided with a pair of arms one of which having its upper end hooked shaped, and means engaging said notched arms and hooked-shaped arms for securing the bridge and nose-pieces in position.

4. In an eyeglass a pair of nose-pieces each formed of a depending arm and an upwardly-extending inverted-U-shaped arm, and a spring coil connecting the arms together, a spring nose-bridge consisting of coiled material, and lens-posts to which said nose-pieces and bridge are connected.

5. A pair of eyeglasses comprising a pair of lens-posts, lens secured to said posts; a coiled spring member constituting a nose-bridge and having an arm at each end, a pair of nose-pieces each provided with arms, and means for securing the arms of the nose-pieces and the arms of the nose-bridge to the lens-posts.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

ALFRED A. DAY.

Witnesses:

ARTHUR L. RICH,
GRACE DOWNING.