

No. 701,819.

Patented June 3, 1902.

F. A. STEVENS.
EYEGASSES.

(Application filed Feb. 3, 1902.)

(No Model.)

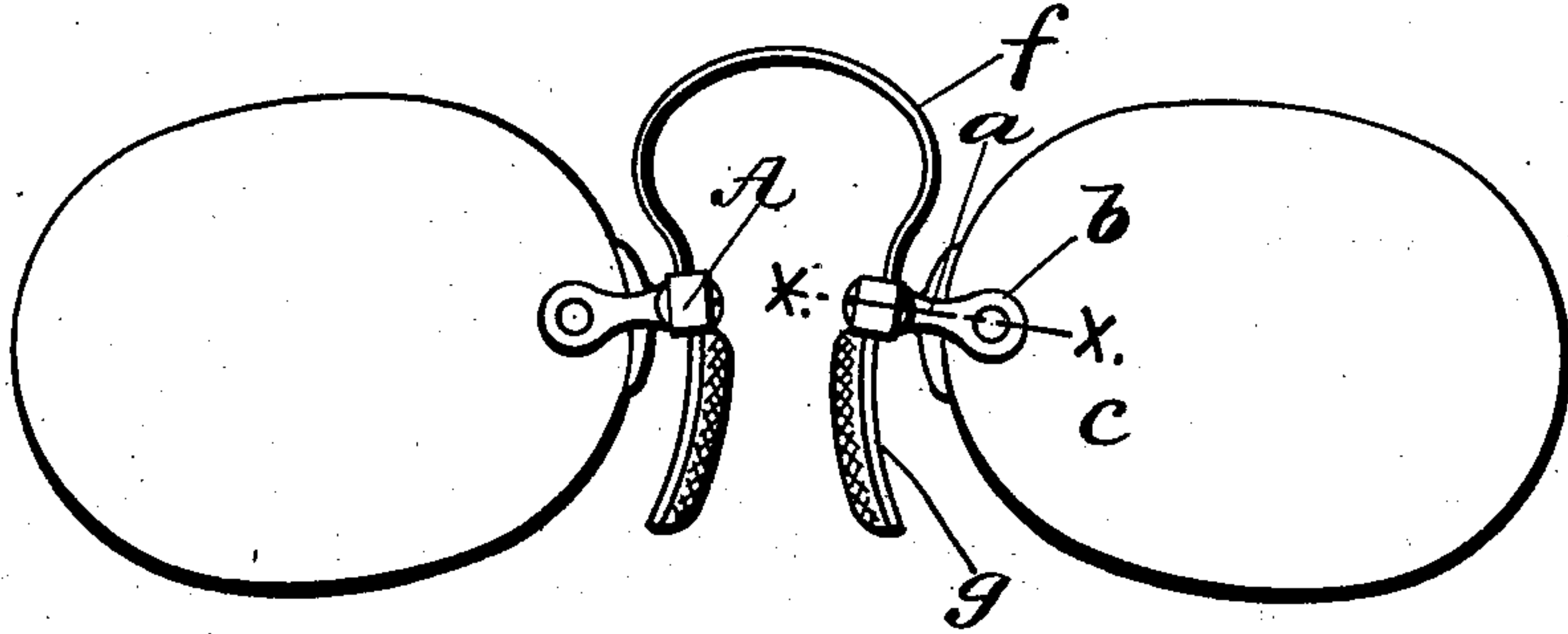


FIG. 1.

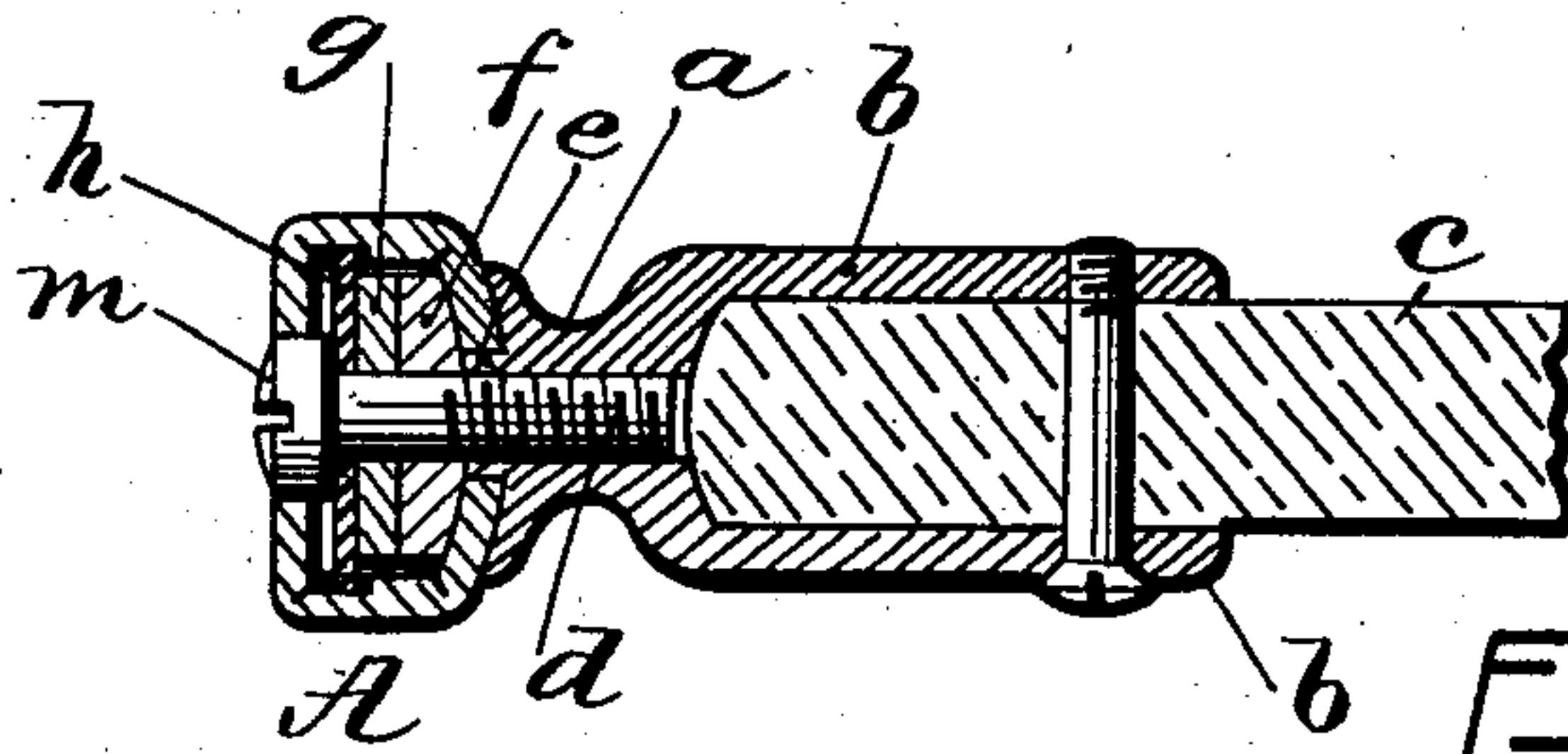


FIG. 2.

FIG. 3.

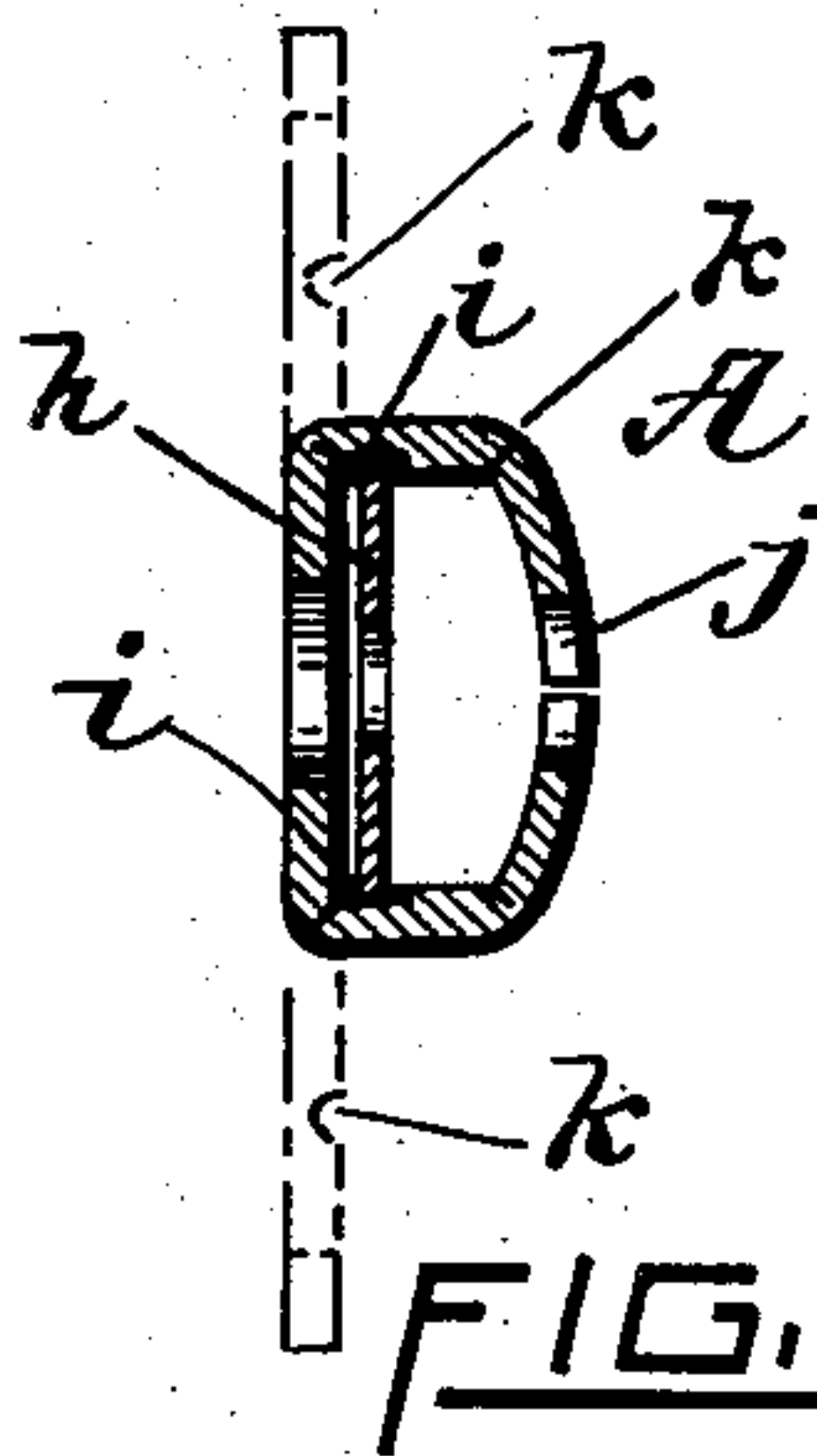
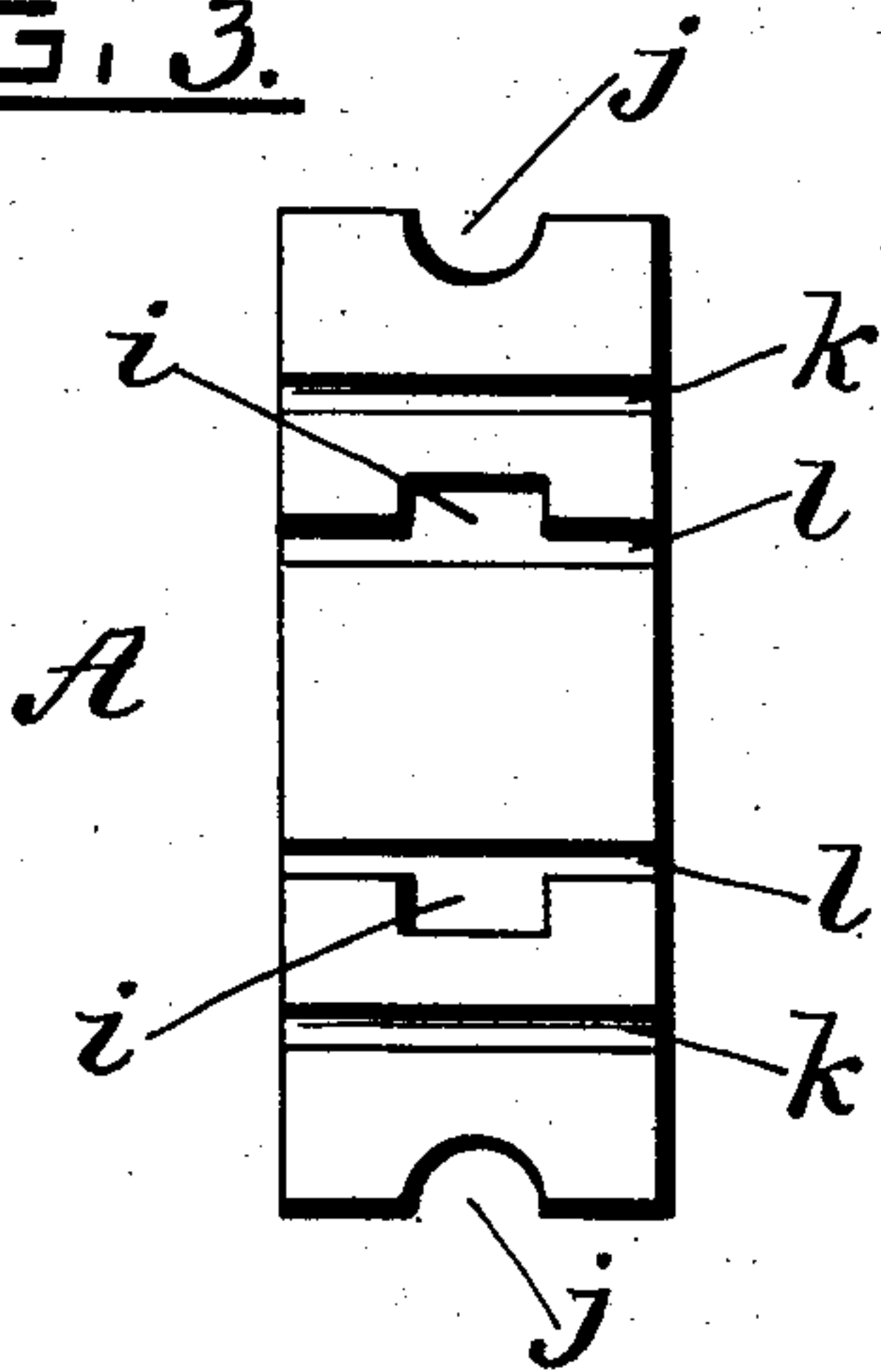


FIG. 4.

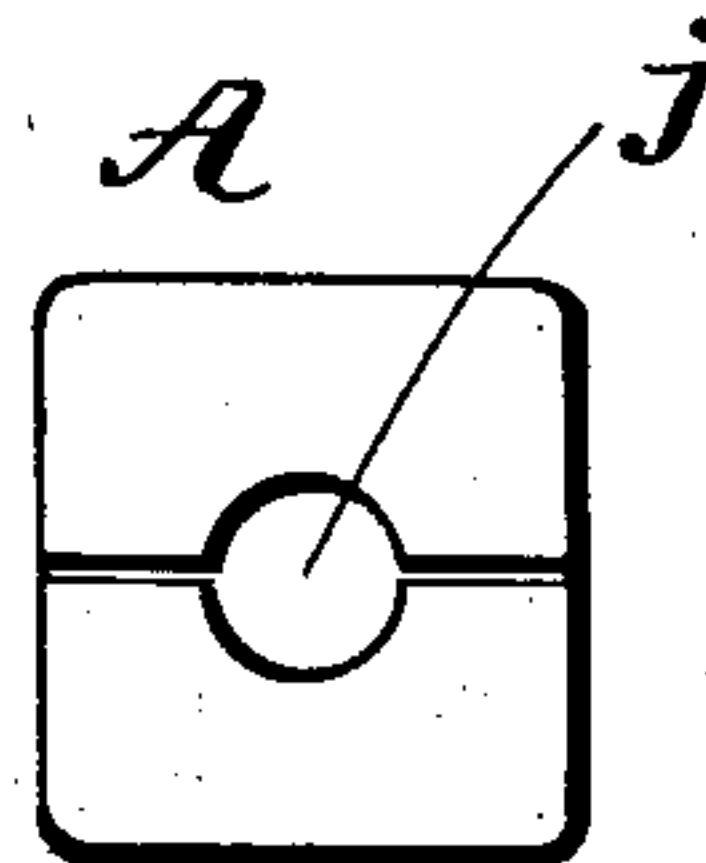


FIG. 5.

FIG. 6.

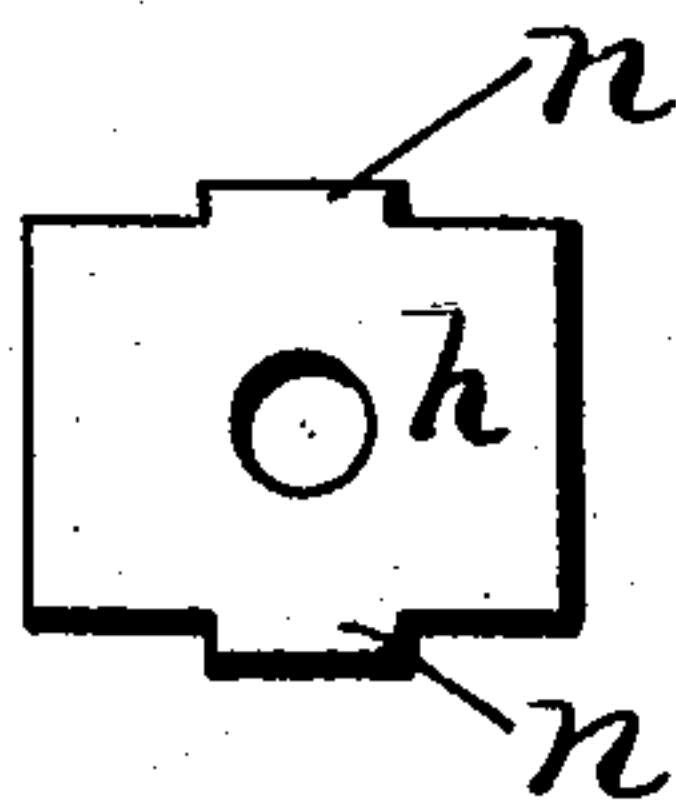
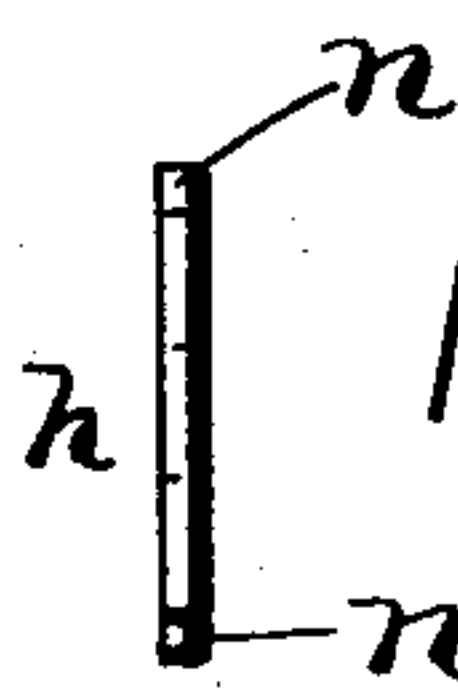


FIG. 7.



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UNITED STATES PATENT OFFICE.

FREDERICK A. STEVENS, OF PROVIDENCE, RHODE ISLAND, ASSIGNOR OF
ONE-HALF TO ALBERT E. LENZ, OF PROVIDENCE, RHODE ISLAND.

EYEGLASSES.

SPECIFICATION forming part of Letters Patent No. 701,819, dated June 3, 1902.

Application filed February 3, 1902. Serial No. 92,488. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK A. STEVENS, a citizen of the United States, residing at Providence, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in Eyeglasses, of which the following is a specification.

My invention relates particularly to the binding means for securing the post, nose-guard, and spring, also to the peculiar construction of the stud-terminal.

The common form of eyeglass comprises a post terminating in a rectangular socket for the reception of a spring and nose-guard, which are retained in the socket by means of a binding screw-head alone or by a detachable plate beneath the head. From necessity a variation in width of the spring and guard frequently leaves room for lateral or pivotal movement of these parts in the socket, which movement from left to right is imparted to the contacting screw-head, and the parts are thereby loosened.

The purpose of my invention is to obviate this and other current defects by a novel and inexpensive structure; and it consists in the novel construction and combination of parts hereinafter described, and illustrated in the accompanying drawings, wherein—

Figure 1 is a front view of a pair of eyeglasses embodying my invention; Fig. 2, a section on line xx of Fig. 1; Fig. 3, a plan view of the box-blank previous to folding; Fig. 4, a longitudinal central section of the same after folding; Fig. 5, an elevation of the bottom of the completed box; and Figs. 6 and 7, top and edge views, respectively, of the washer.

Like marks of reference indicate similar parts throughout the views.

Referring to the drawings by letters, a designates the lens-post, engaged by clamps b with the lens c . The post has a central cylindrical projection e upon its free end and is longitudinally bored to receive the screw d , which traverses the box A , the nose bow or spring f , the guard g , and the washer h .

In detail the box A is formed, as illustrated in Fig. 3, from an oblong blank having across its lower face transverse channels k , inter-

mediate of which are similar channels l , augmented midway their length by rectangular slots or depressions i . The channels aforesaid facilitate the subsequent folding of the blank. The opposite ends of the blank are centrally provided with semicircular openings j . By means of a plunger or suitable tool the blank is folded into the form of a box, as shown in Figs. 4 and 5, having a circular opening j for engagement with the projection e of the post a , to which the bottom of the box A is soldered. The top of the box is pierced to allow admission of the head m of screw d . The latter is seated upon the washer h . This washer is rectangular in outline, with integral ears or lugs n upon opposite sides adapted to register in the vertical slots i of the box A . The edges of the washer h are in frictional contact with the walls of the box, and hence will not turn in response to any movement of the guard or spring. While the washer is permanently retained in engagement with the box by means of its ears engaged in the slots i , the friction is not sufficiently pronounced to prevent longitudinal compensative adjustment to accommodate admission into the box A of guards or springs of varying thickness.

It is evident that the integral inclosed box employed herein greatly strengthens the entire structure, while the novel construction of the same is inexpensive.

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

1. In eyeglasses, the combination with a post of a closed box composed of a single piece affixed thereto, slots at the opposite sides of said box, a spring and a guard within the box, a washer intermediate the top wall of the box and the spring and guard, said washer having lateral ears longitudinally movable in said slots, and a threaded member traversing the washer, spring and guard.

2. In eyeglasses, the combination with a post of a closed box composed of a single piece affixed thereto, slots at the opposite sides of said box, a spring and a guard within the box, a washer intermediate the top wall of the box and the spring and guard longitudinally mov-

able in said slots, and a screw-threaded member whose head is seated upon the washer traversing the washer, spring and guard.

3. In eyeglasses, the combination with a
5 post of a closed box composed of a single piece affixed thereto, slots at the opposite sides of said box, a spring and guard within the box, a washer intermediate the top wall of the box and the spring and guard, said washer hav-
10 ing lateral ears longitudinally movable in said slots and a binding-screw whose head is seated upon the washer traversing the washer, spring and guard.

4. As a new article of manufacture, a blank
15 for an eyeglass-stud consisting of an oblong metallic strip, four transverse channels upon the inner face of the same, two of which channels lie within the other two channels and upon either side of the center of the strip,
20 and slots adjacent the two inner channels to receive the edges of an inclosed washer after the strip is folded.

5. As a new article of manufacture, a blank for an eyeglass-stud consisting of an oblong

metallic strip, four transverse channels upon 25 the inner face of the same, two of which channels lie within the other two channels and upon either side of the center of the strip, and rectangular slots adjacent the two inner channels to receive the edges of an inclosed 30 washer after the strip is folded.

6. As a new article of manufacture, a blank for an eyeglass-stud consisting of an oblong metallic strip, transverse channels upon the inner face of the same, two of which channels 35 lie nearer the center of the strip than the other channels, slots adjacent the two inner channels to register with the lugs of an inclosed washer, and openings in one end of the strip adapted to register when the strip is 40 folded.

In testimony whereof I have affixed my signature in presence of two witnesses.

FREDERICK A. STEVENS.

Witnesses:

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