

(No Model.)

H. E. KIRSTEIN.
EYEGLASSES.

No. 444,362.

Patented Jan. 6, 1891.

FIG. 1.

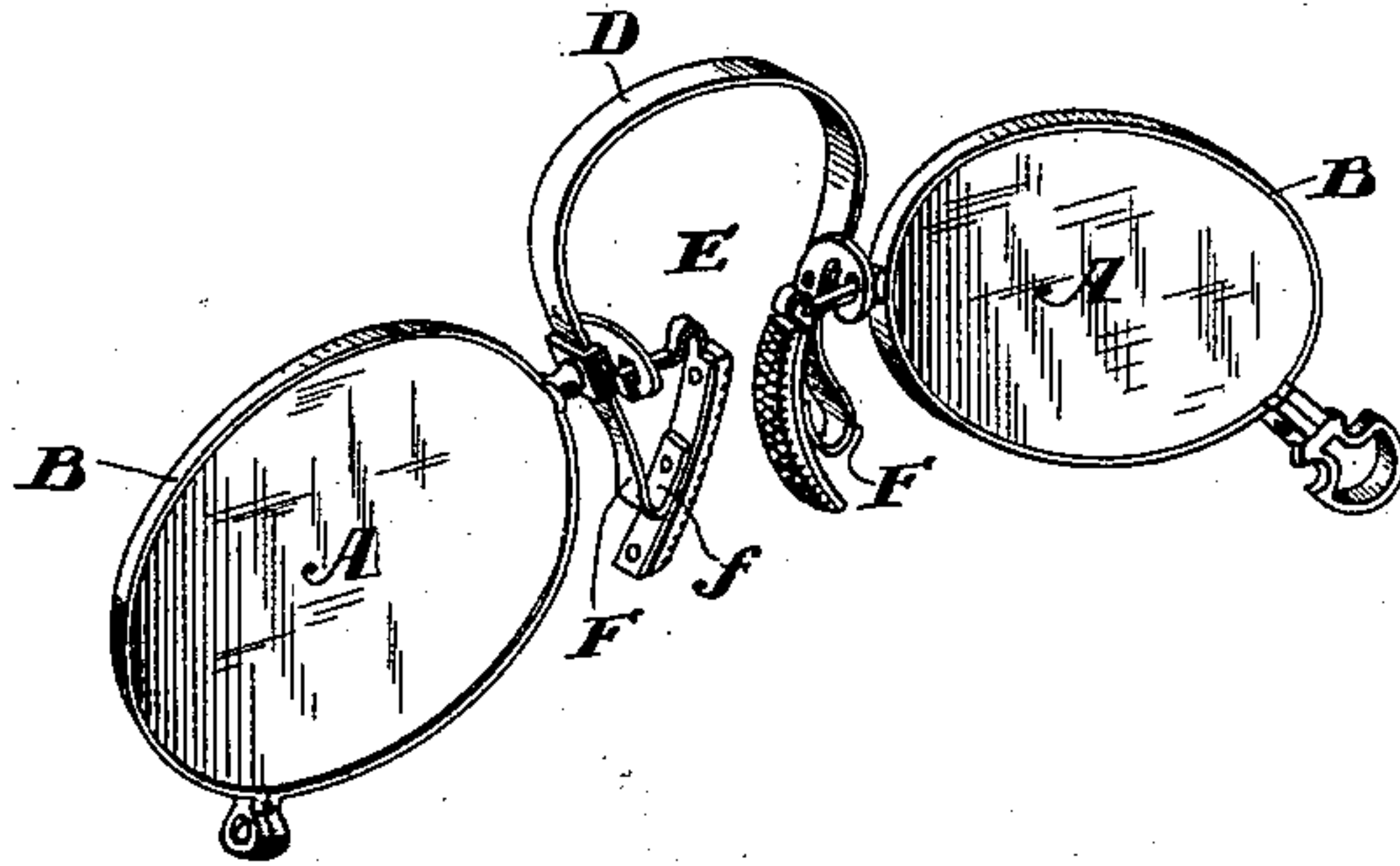


FIG. 2.

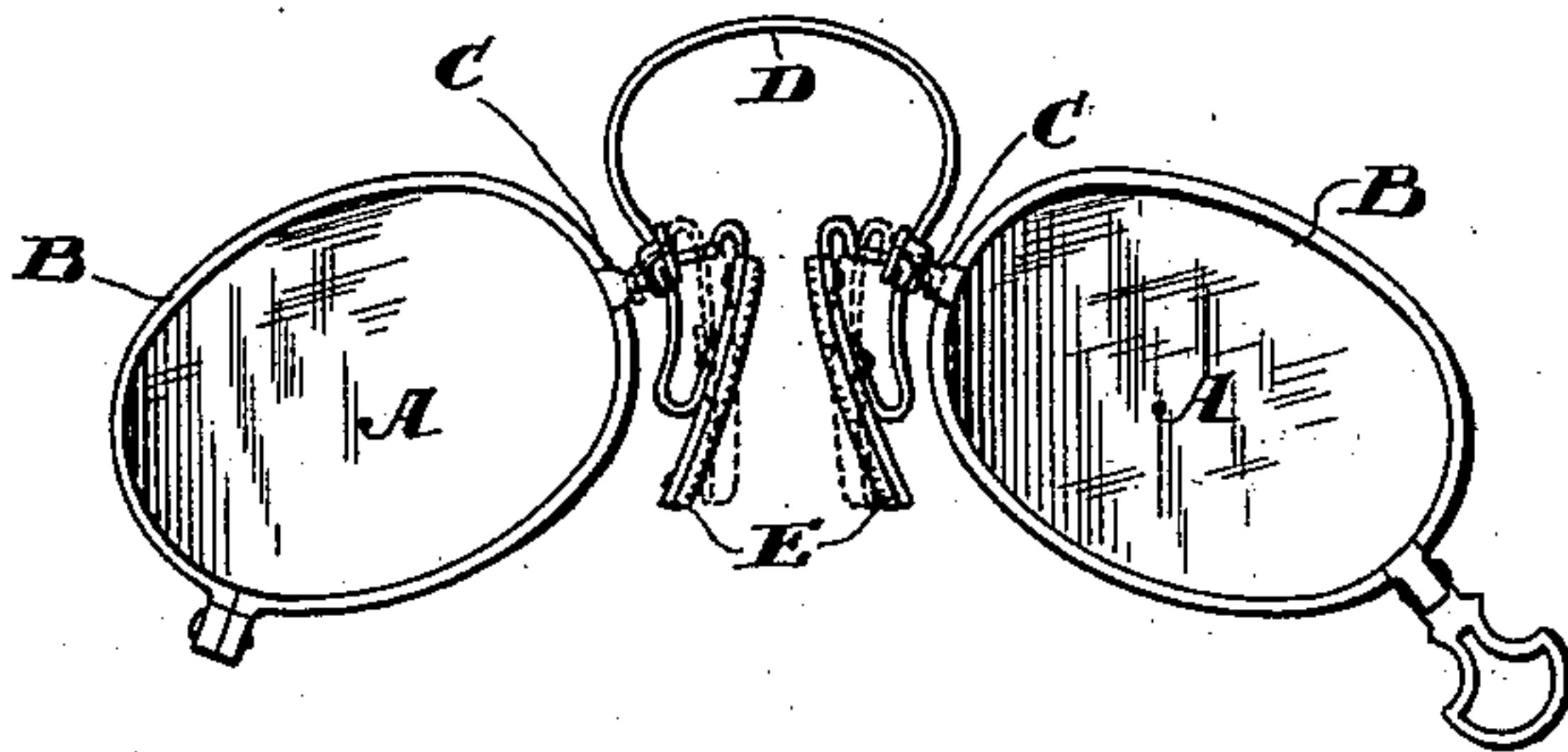
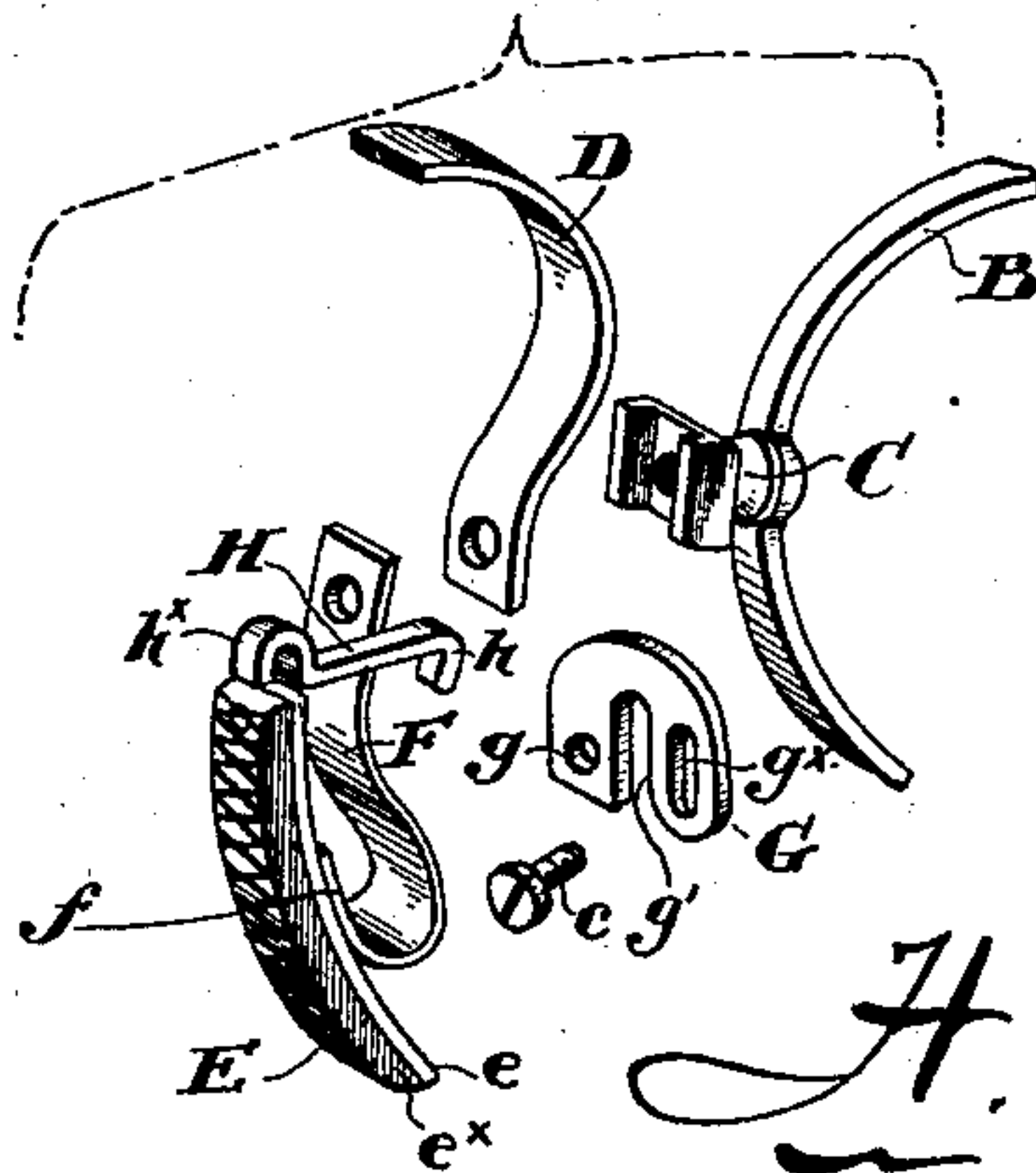


FIG. 3.



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UNITED STATES PATENT OFFICE.

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EYEGLASSES.

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Application filed April 8, 1890. Serial No. 347,115. (No model.)

To all whom it may concern:

Be it known that I, HENRY E. KIRSTEIN, a citizen of the United States, residing in the city of Rochester, in the county of Monroe, in the State of New York, have invented certain new and useful Improvements in Eyeglass Nose Pieces, of which the following is a specification.

In the drawings, Figure 1 is a view in perspective of a pair of eyeglasses equipped with nose pieces embodying my invention. Fig. 2 is a front elevational view of the same, exhibiting in full and dotted lines respectively two different positions which the nose-pieces may, within the range of their adjustability, occupy. Fig. 3 is a fragmentary detail of the devices which together constitute one of the nose pieces shown in Figs. 1 and 2, separated from each other.

Similar letters of reference indicate corresponding parts.

In the drawings, A A are the lenses, B B the lens frames, and C C the clamp posts.

D is the bow spring.

F F are arms, formed of resilient metal and each as to one end secured by a screw *c* to one of the posts C. Both arms as to their body portions extend downward a proper distance and are then bent first toward each other and then upward. In their bending upward they are also bent edgewise outward so that the upturned ends *f* extend outward from, and at an acute angle with respect to, the planes of the lenses.

E E are nose pieces, each preferably formed of a pliable metal back *e*, provided with a facing of cork or other material *e*^x, and both are somewhat curved or bent, as shown. One of these nose pieces is mounted upon each of the arms F by being secured as to its back *e* to and against the face of the upwardly and outwardly turned end *f* of said arm.

The construction and arrangement described constitutes a nose-piece which is desirable in that the elasticity of the arms F permits of great freedom of movement of the nose pieces bodily toward and from each other. A further advantage resides in the fact that the nose pieces are capable of a rocking movement upon the arms as pivots; a further advantage is that one size of arm

may be employed irrespective of the length of the nose piece. Other advantages are that both ends of the nose piece are left free so that one end may be curved independently of the other, and that when the nose pieces are inclined from the plane of the glasses (which is the usual but not the invariable construction) the angle of such inclination may be varied by a simple adjustment of the arm by pliers.

The construction so far described is not novel with me. In practice it has been found that nose pieces of the foregoing construction, by reason of the unrestricted freedom of the rocking movement of each nose piece upon its arm as a pivot, are, in case of slight accident, carried or swung so far as to destroy their fit upon the nose of the wearer, and, therefore, require the services of an optician to reset them. This fact impairs their desirability and usefulness.

It is the object of my invention to construct a neat light and compact device applicable to nose pieces of the foregoing character, and adapted to limit the rocking movement aforesaid.

To such end my invention comprehends the provision of a device in the nature of a clip mounted upon the clamp post, and a device in the nature of a tongue mounted upon the nose-piece and engaged in said clip.

In the drawings G is the clip, the form shown being that employed in the connection with a nose piece which is offset or lies out of the plane of the glasses, the same being a plate embodying an aperture *g* near one of its edges, through which the screw *c* may pass to secure it to the clamp post C, and embodying near its opposite edge a tongue orifice *g*^x.

H is the tongue, the same being a small strip of metal, which is secured as to one end to the upper extremity of the nose piece, and which as to its other end extends to and through the tongue orifice *g*^x of the clip, beyond which it is turned downward to form a retaining hook *h*. In the vicinity of the nose piece the tongue embodies a bend *h*^x. In the movement of the nose piece the tongue plays through the tongue orifice, its inward movement being limited by the contact of the bend *h*^x with the clip, and its outward movement

being limited by the contact of the hook *h* with the opposite side of the clip. It is apparent that the bend and the hook of said tongue may be formed at any desired points in its length. It will now be obvious that the tongue and clip control or limit the movement both inward and outward of both the upper and lower extremities of the nose piece, and at the same time leave both said ends free for the purposes of ordinary movement or adjustment. The notch *g'* in the clip is simply to render it lighter in appearance.

It is obvious that the clip may be formed as a catch and the tongue be slotted to engage with said clip so formed as a catch, this construction being the obvious equivalent of that shown and hereinbefore described in which the clip embodies the slot and the tongue is the catch which operates with respect to the slot.

It is obvious that the gist of the construction resides in the provision, in connection with a nose piece carried upon a bent spring arm which springs from and is connected only with the post, and which nose piece is connected at a point near its own center with the lower extremity of said bent spring, of a tongue and clip or other catch contrivance applied between the upper extremity of the nose piece and the clip, by which the limit of the adjustability of the nose piece is controlled, and its movement steadied and regulated.

Having thus described my invention, I claim—

1. In an eyeglass, in combination, a clamp post, an arm springing from the clamp post, a nose piece mounted free for rocking or adjusting movement upon said arm, the connection between the arm and the nose piece being at the central portion of the latter so as to leave its extremities free, and a tongue springing from the nose piece and adjustably engaged with but free for limited movement with respect to a fixed clip, substantially as set forth.

2. In an eyeglass, in combination with a clamp post, a nose piece, a bent spring arm secured to said post and the central portion of said nose piece respectively, so that said nose piece is capable of rocking movement about its own center as an axis, while its extremities are free, and a tongue and clip con-

nection by which the movement of the nose piece is limited, substantially as set forth.

3. In an eyeglass, in combination, a clamp post, a nose piece consisting of a flat or slightly curved plate, an arm formed of resilient metal one extremity of which is secured to the clamp post, while its body extends downward but terminates in a return bend, which return bend is secured against the central portion of the rear face of the nose piece thus leaving the extremities of the latter free, a tongue projecting from said nose piece, and a clip secured to said clamp post and adapted to receive the tongue, substantially as set forth.

4. In an eyeglass, in combination, a clamp post, a clip secured thereto and embodying a tongue recess, a nose piece secured as to its central portion upon the extremity of an arm of resilient metal bent substantially in the manner set forth, the extremities of which nose piece are free, and a tongue mounted upon one free end of said nose piece and entered free for limited longitudinal movement in the tongue recess of the clip, substantially as set forth.

5. The combination, in an eyeglass, of a clamp post, a clip secured thereto and embodying a tongue orifice, a nose piece, an arm embodying a bend and having one end attached to the clamp post and the other to the central portion of the nose piece so that the extremities of the latter are free, and a tongue mounted upon said nose piece, embodying a hook and a bend, and entered in said tongue orifice, substantially as set forth.

6. In an eyeglass, in combination with a nose piece, an arm upon which said nose piece is mounted free for rocking movement, and a clip and tongue connection which limits said rocking movement, one member of which connection is mounted upon said nose piece, the inner end of the arm, and the other member of the clip and tongue connection being both secured to a common clamp post, substantially as set forth.

In testimony that I claim the foregoing as my invention I have hereunto signed my name this 14th day of March, A. D. 1890.

HENRY E. KIRSTEIN.

In presence of—

GEO. W. WELLS,
C. D. MONROE.