

J. F. TRAUB.
Eye-Glass.

No. 204,266.

Patented May 28, 1878.

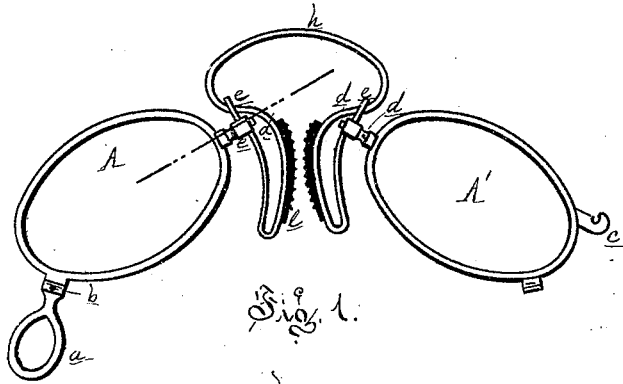


Fig. 1.

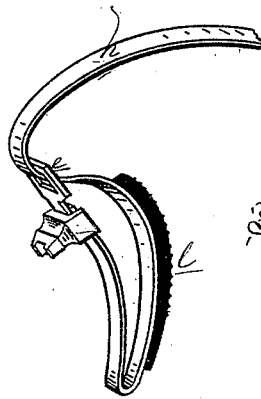


Fig. 2.

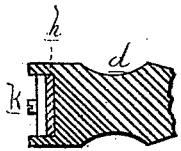


Fig. 3.

Witness:

H. L. Aulls
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Inventor:

J. F. Traub
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UNITED STATES PATENT OFFICE.

JACOB F. TRAUB, OF DETROIT, MICHIGAN.

IMPROVEMENT IN EYEGLASSES.

Specification forming part of Letters Patent No. 204,266, dated May 28, 1878; application filed April 3, 1878.

To all whom it may concern:

Be it known that I, JACOB F. TRAUB, of Detroit, in the county of Wayne and State of Michigan, have invented an Improvement in Nose or Eye Glasses, of which the following is a specification:

The nature of my invention relates to new and useful construction of springs for nose or eye glasses, by means of which a greater flexibility is obtained, and more ease to the wearer is had than by the employment of the springs as ordinarily constructed.

The invention consists in the peculiar construction of the spring and the method of attaching and securing the same to the bows or glass-frames, as more fully hereinafter described.

Figure 1 is a plan view of a pair of glass-frames with my improved spring. Fig. 2 is a perspective view of the same, showing the loops upon the studs and the spring passing through said loops. Fig. 3 is an enlarged sectional and detached view of one of the studs, and showing how the springs and loops are secured in place.

Like letters indicate like parts in each figure.

In the drawings, A A' represent a pair of bows or glass-frames, one of which is provided with a handle, *a*, and stud *b*, and the other with the hook *c*, by means of which the two bows are locked together when closed, and in the usual manner. To each of these frames is secured a stud, *d*, and the outer faces of these studs are recessed to receive the metallic loop *e*, with which each stud is provided. The ends of the spring *h* are also placed in the recesses, and a set-screw, *k*, passing through each end of the spring and through each of the loops' ends, secures them in place in the recesses, the flanges of which prevent the spring or loops from turning. The end of the spring, being thus secured to the stud attached to

the frame A, passes downward, slightly curving outwardly, then bends inwardly and upwardly to a point nearly opposite the stud; thence it curves outwardly and passes through the loop attached to the stud; thence it curves in the opposite direction, as shown, to form the bridge; thence it curves inwardly again, passing through the loop attached to the stud on the frame A'; thence the curvature is downward and outward to a return bend; and thence upwardly to the last-mentioned stud, where it is secured in the manner already described.

To the contact-faces of the spring are secured the roughened plates *l*, although these latter may be dispensed with by roughening the corresponding faces of the spring.

A spring thus constructed is a continuous one, secured rigidly to the bows only at the ends, and, by passing through loops, as described, the spring is not only retained in place, but is more flexible than if secured rigidly to more than one point on each bow.

I am aware that studs and set-screws have been used for securing the springs to eyeglass-frames; but I am not aware that the faces of said studs have been recessed, as and for the purposes I have described.

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

In spectacles or eyeglasses, the combination, with the recessed studs *d*, attached to the frames A A', of the slotted plates *e* secured in the recesses in said studs by screws, and the spring *h* passing through the slots in the plates *e*, and fastened at its ends in the said recesses, constructed and arranged substantially as described and shown.

JACOB F. TRAUB.

Witnesses:

H. S. SPRAGUE,
PETER E. DE MILL, Jr.