

(No Model.)

G. W. HASSELLUND

EYEGLASSES.

No. 354,317.

Patented Dec. 14, 1886.

Fig. 1.

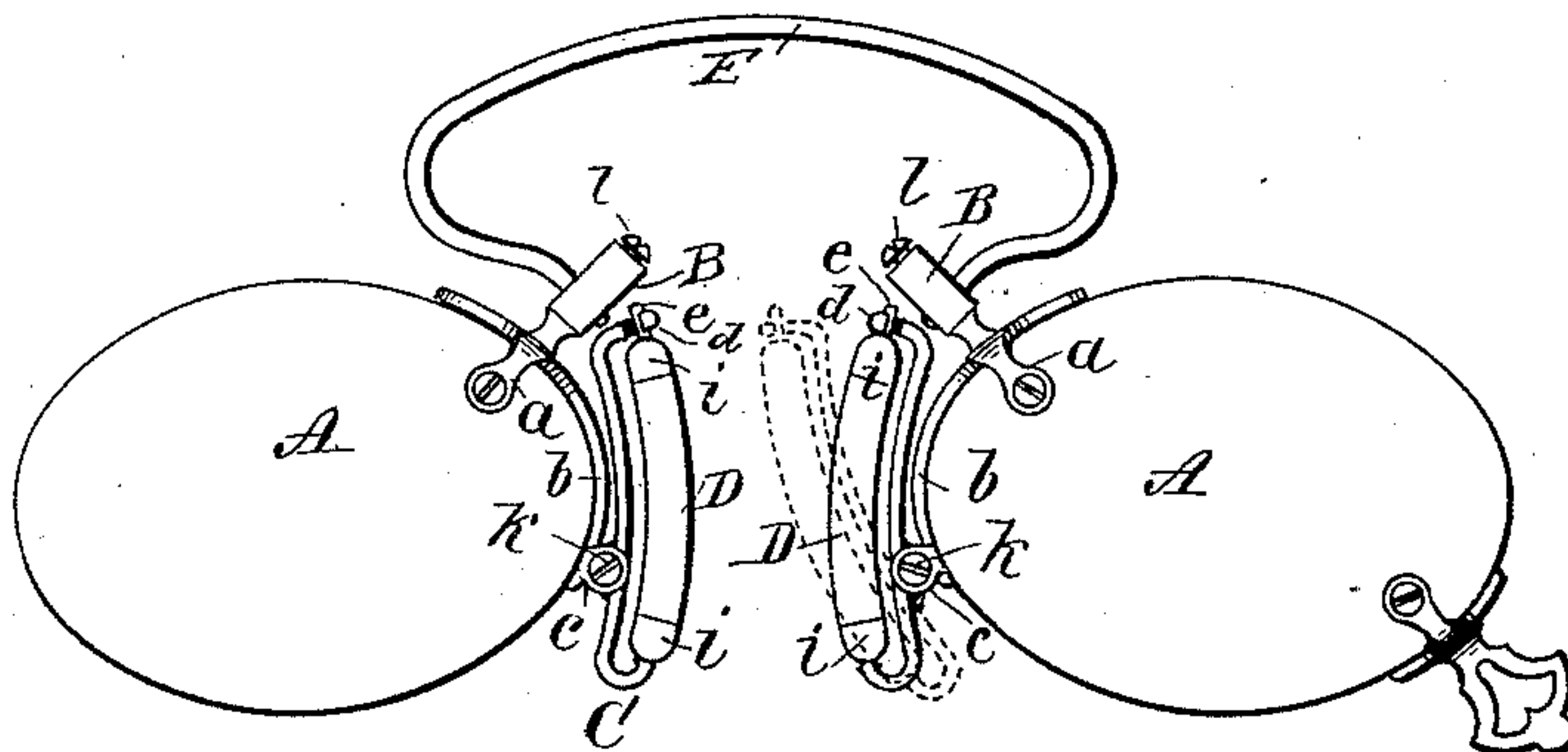


Fig. 2.

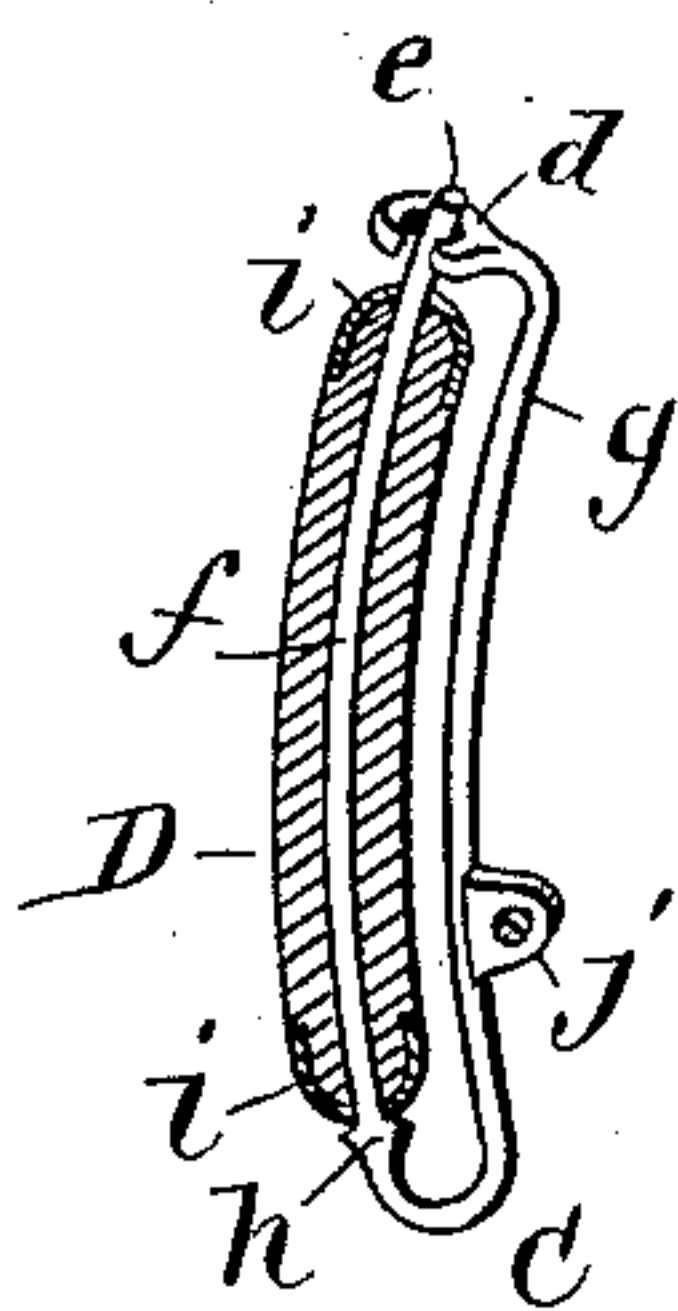


Fig. 3.



WITNESSES:

J. D. Lafferty
A. E. Brinkerhoff

INVENTOR:

G. W. Hassellund.
BY *Munn & Co.*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

GEORGE W. HASSELLUND, OF NEW CASTLE, NEW YORK.

EYEGLASSES.

SPECIFICATION forming part of Letters Patent No. 354,317, dated December 14, 1886.

Application filed July 23, 1886. Serial No. 203,861. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. HASSELLUND, of New Castle, in the county of Westchester and State of New York, have invented
5 a new and useful Improvement in Eyeglasses, of which the following is a specification, reference being had to the annexed drawings, forming a part thereof, in which—

Figure 1 is a side elevation. Fig. 2 is a detail sectional perspective view of one of the
10 nose-pieces, and Fig. 3 is a perspective sectional view of the nose-spring.

Similar letters of reference indicate corresponding parts in the different figures of the
15 drawings.

The object of my invention is to provide an efficient nose-piece, the contact-surface of which may be readily removed and replaced; also, to provide a protection for the ends of
20 the contact-surfaces.

My invention consists in the combination, with the frames or connecting devices of a pair of eyeglasses, of pivoted nose-pieces provided with removable cylindrical yielding contact-pieces.
25

It also consists in a spring of peculiar form for connecting the eyeglasses.

I have shown my improvement as applied to rimless eyeglasses; but it is obvious that it
30 is equally applicable to glasses having the usual frames.

To the eye-lenses A are secured bolsters B by means of clips *a*, formed on the bolsters and extending over the sides of the lenses, and
35 secured by screws passing through apertures in the lenses and binding the clips in their places.

To each clip is secured an arm, *b*, which extends a short distance around the periphery
40 of the lens, and is provided with a pair of ears, *c*, between which is pivoted the nose-piece C. The nose-piece C is formed of a strip of metal doubled or returned parallel to itself, one end of the strip being provided with
45 a hook, *d*, the opposite end, *e*, of the strip being adapted to enter the hook. The arms, *f g*, thus formed are curved slightly or made outwardly convex, to adapt them to the side of the nose. The arm *f* is preferably made elliptical or angular in cross-section, and is provided with a shoulder, *h*, near the bend of
50 the nose-piece, and upon the arm *f* is placed

an axially-bored yielding cylindrical piece, D, of cork or analogous material. The ends
of the cork are made convex and provided 55 with hemispherical or centrally-apertured caps or ferrules *i*, for protecting the ends of the cork and preventing them from splitting off from the arm *f*. The arm *g*, near the bend of the nose-piece, is provided with an aper-
60 tured ear, *j*, which is received between the ears *c* on the arm *b*, and swings on a pivot, *k*, which passes through one of the ears *c*, through the ear *j*, and screws into the remaining ear *c*. The arm *f* is arranged to spring
65 outwardly, so that when its end *e* is placed in the hook *d* it will tend to retain its position in the hook. When the arm *f* is released from the hook *d*, the yielding cylindrical piece D may be readily removed and replaced. 70

Although I have described the body of the yielding contact received on the arm *f* as being cylindrical, I do not confine myself to this form, as it may have an elliptical or oval cross-section. 75

The bolsters B are apertured transversely in a direction parallel with the edges of the lenses A, and are provided with binding-screws
80 *l*. To give the curved spring E, which connects the two bolsters, the required elasticity, and at the same time resistance to torsion, it is formed of a half-round wire. The ends of the nose-springs are inserted in holes in the bolsters B and clamped therein by the binding-screws *l*. 85

When my improvement is applied to eyeglasses having frames of the usual description, the ears *c* and bolsters B will be soldered to the frames and the clips *a* will be omitted.

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

1. The combination, with the lenses A and devices connecting the lenses, of pivoted nose-piece C, having curved arms *f g*, a fastening
95 device, substantially as shown and described, for connecting the free ends of the arms, and a yielding contact-piece placed on the arm *f*.

2. In an eyeglass-frame, the combination, with the yielding contact-piece D, of caps *i*,
100 placed on opposite ends thereof, substantially as shown and described.

3. The combination, with the bolsters of the eyeglasses, of a curved connecting-spring

formed of a wire having a half-round cross-section, the said half-round wire forming a highly-elastic spring capable of resisting torsion, substantially as shown and described.

- 5 4. As an improved article of manufacture, a pair of eyeglasses provided with bolsters B and ears c, having the nose-piece C, pivoted between the ears and provided with the removable contact-piece D, having caps i upon

opposite ends thereof, and a curved half-round connecting-spring having round ends and a flat middle part, substantially as shown and described.

GEORGE W. HASSELLUND.

Witnesses:

PAUL MOEWS,

T. ELLWOOD CARPENTER.