

(No Model.)

F. A. SCHORR.
EYEGLASSES.

No. 306,287.

Patented Oct. 7, 1884.

Fig. 1.

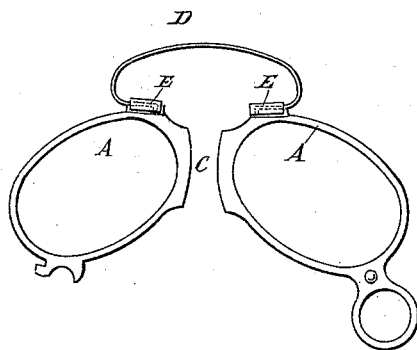


Fig. 2.

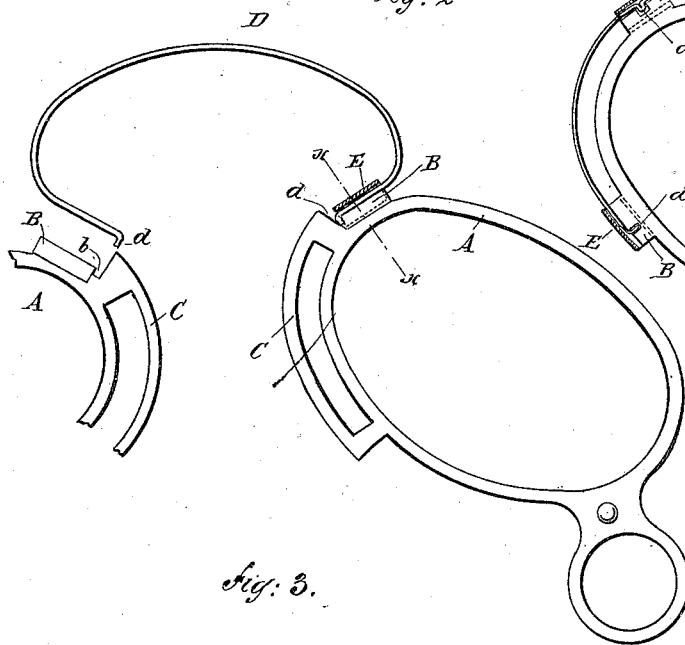


Fig. 4.

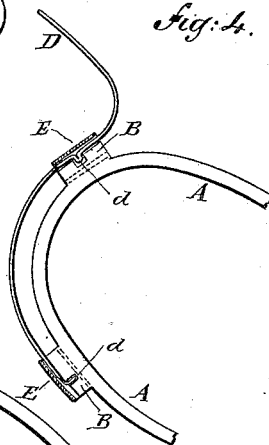
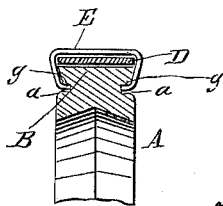


Fig. 3.



WITNESSES:

Henry Blaup
Fredrick Clauf

INVENTOR:

Friedrich Anton Schorr

UNITED STATES PATENT OFFICE.

FRIEDRICH ANTON SCHORR, OF ELIZABETH, NEW JERSEY.

EYEGLASSES.

SPECIFICATION forming part of Letters Patent No. 306,287, dated October 7, 1884.

Application filed May 5, 1884. (No model.)

To all whom it may concern:

Be it known that I, FRIEDRICH ANTON SCHORR, a citizen of the United States, and a resident of Elizabeth, in the county of Union and State of New Jersey, have invented certain new and useful Improvements in Eyeglasses, of which the following is a specification.

This invention relates to certain new and useful improvements in securing the holding-spring on the lens-frames in such a manner that the said frames are not weakened by screw-holes, and the spring is thus held firmly and securely on the said frame.

The invention consists in forming ridges on the frames, placing the spring on the ridges, and passing a dovetail clamp over the spring and the corresponding ridge to hold the spring on the said ridges, all as will be fully set forth and described hereinafter.

In the accompanying drawings, forming a part of this specification, Figure 1 is a longitudinal or face view of an eyeglass provided with my improvement. Fig. 2 is an enlarged view of parts of another eyeglass, parts being detached, others broken out, and others shown in section. Fig. 3 is an enlarged cross-sectional elevation of the same on the line *x x*, Fig. 2. Fig. 4 shows a modification.

Corresponding letters indicate like parts.

On the outer edge of each lens-frame A a longitudinal ridge, B, is formed above the nose-rest C, which ridge has longitudinal grooves *a* in its sides, and which ridge is slightly dovetailed—that is, the width increases from the bottom to the top. Where the top of the nose-rest is some distance below the end of the ridge B, the end of the ridge B forms a shoulder; but if the nose-rest extends up to the end of the ridge B a notch or recess, *b*, must be formed in the front end of the ridge to form a shoulder. The spring D has its ends bent down to form short springs *d*, adapted to rest against the shoulders formed by or on the ends of the ridges. A clamp, E, having a U-shaped or dovetail cross-section, has the edges *g* of its flanges bent toward each other and adapted to pass into the side grooves, *a*, of the ridges B. The ends of the spring D are placed on top of the ridges B, the prongs *d* of the springs resting against the shoulders

or ends of the ridges B in the manner shown in Fig. 2, and then the clamp E is passed over the ridge B and the end of the spring on the said ridge, whereby the end of the spring is clamped securely and held on the ridge, and is thus held on the lens-frame; or the ends of the spring D can be placed on the ridges B, the sides of the clamp E opened, and the clamps placed on the springs on the ridges, and then the sides of the clamps are pressed together—that is, against the sides of the ridge—to force the inwardly-bent edges of the clamps into the grooves *a*, whereby the clamps are held securely on the ridges and hold the spring on the frame.

Screw-holes need not be made in the springs or frames, which is of great importance, especially in celluloid or like frames, and the springs can be secured easily and rapidly.

The clamps E are to be made of metal.

In the construction shown in Fig. 4 the spring and nose-piece are made in one continuous piece, and two clamps E are used to hold each end part of the spring on two ridges on each frame, the spring being provided with a prong *d* at each end and a prong *d* at the upper end of the nose-rest part.

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

1. The combination, with two eyeglass-frames, each having ridges formed on the outer edge at the inner ends of the frames, which ridges have longitudinal grooves in the sides, of a spring having its end parts placed on the ridges and clamps placed on the ridges and over the springs, and having their inwardly-projecting side edges passed into the side grooves in the ridges, substantially as set forth.

2. The combination, with two eyeglass-frames, each having a ridge on its outer edge, of a spring having its ends bent down to form shoulders *d* to fit against the ends of the ridges, and of clamps passed over the ridges and the corresponding ends of the spring, substantially as herein shown and described.

FRIEDRICH ANTON SCHORR.

Witnesses:

GEORGE J. CLAUSS,
FREDERICK CLAUSS.