(No Model.)

C. M. HAYNES.

EYEGLASSES.

No. 507,434. Patented Oct. 24, 1893.

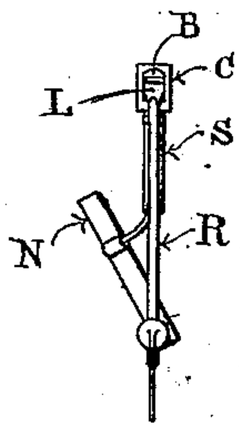

Fig. 2.

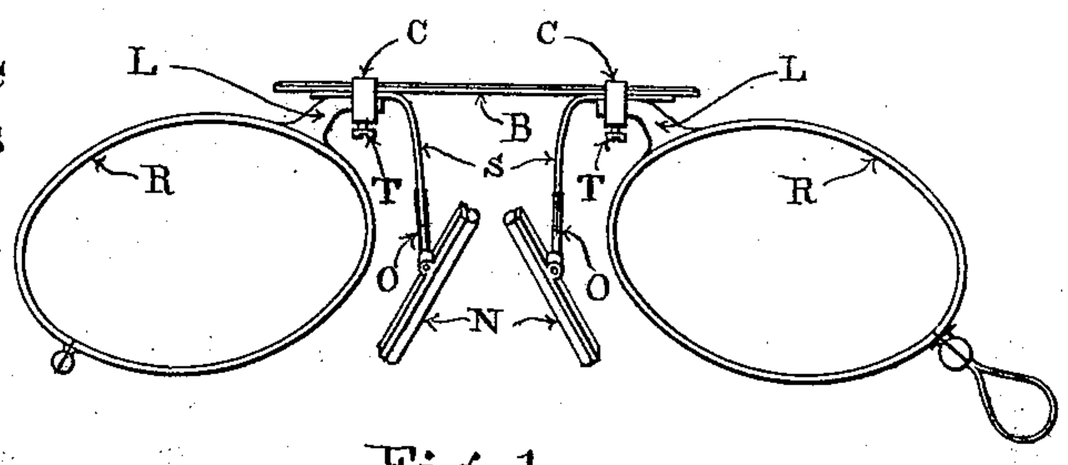

Fig. 1.

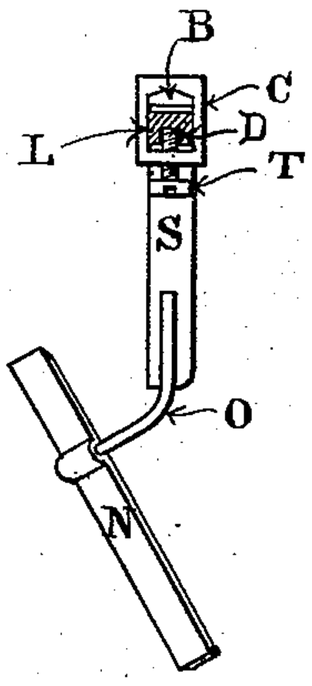

Fig. 4.

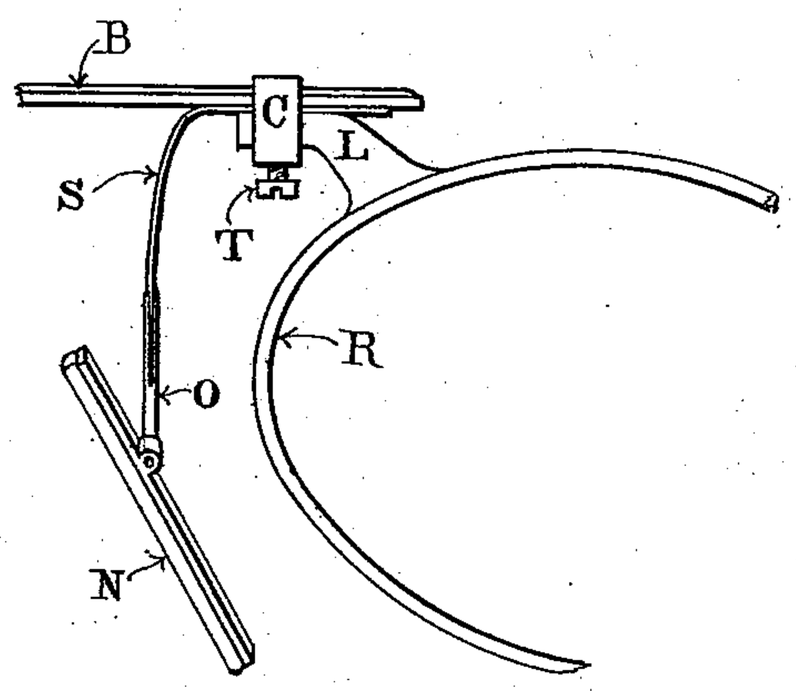

Fig. 3.

Witnesses:
Willy G. Hyde
Frank Cordsmann

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UNITED STATES PATENT OFFICE.

CHARLES M. HAYNES, OF CHILLICOTHE, OHIO.

EYEGLASSES.

SPECIFICATION forming part of Letters Patent No. 507,434, dated October 24, 1893.

Application filed April 3, 1891. Serial No. 387,569. (No model.)

To all whom it may concern:

Be it known that I, CHARLES M. HAYNES, residing at Chillicothe, county of Ross, and State of Ohio, have invented new and useful Improvements in Eyeglasses, of which the following is a specification.

The objects of my invention are first, to provide a means of adjusting the distance between the centers of the lenses to the pupillary distance; second, to provide a means for adjusting the distance between the springs holding the nose pieces to the width of the nose, and this without interfering with the adjustment of the centers of the lenses to the pupillary distance; third, to provide a self adjusting nose piece. I attain these objects by the devices illustrated in the accompanying drawings, in which—

Figure 1 is a front view of the entire frame; Fig. 2 a side view of the entire frame; Fig. 3 an enlarged view of the right half of the frame. Fig. 4 is a side view of the spring and nose piece, and also a vertical section through the center of the clamp for holding the adjustable bar and spring.

Similar letters refer to similar parts throughout the views.

B is a rigid bar.

C and T are the respective parts of a clamp.

C is a band so shaped as to make an orifice of such size and form as to admit the easy passage through it of the bar B, the spring S, and the projection L, and provided with a threaded hole on the under side.

T is a set screw passing through the threaded hole in the under side of band C.

S is a spring, as above stated, the upper end of which passes through the clamp C T. By means of the clamps C T and C T and bar B, the position of the lens rims R and R may be so shifted as to bring the centers of the lenses directly before the pupils of the eyes, and by changing the position of the upper end and horizontal part of the spring S, the distance between the springs S and S may be adjusted so as to accommodate the width of the nose. The spring S at a point about one-half to three-fourths of an inch from its upper end is bent downward in an almost vertical direction, as shown in Figs. 1 and 3. To the lower end of said spring S is attached a wire projection O bent downwardly and inwardly as shown in Fig. 4, at the end of which the nose piece N is pivoted at such an angle as to be almost, if not quite, parallel to the upper line of the nose of the wearer. The nose piece N is pivoted on its upper side at a point about one third the distance of its whole length from its upper end to the wire projection O, thus assuring the nose pieces N and N such a position as to be most easily placed upon the nose.

L is a projection fastened to the rim R of such shape and proportion as shown in the figure. Its upper surface where it passes through the clamp C T is plane and on its under side is a depression D into which the set screw T fits. Thus the rim R is kept in its position when the set screw T is slightly loosened to adjust the bar B or the spring S.

I claim—

1. In an eye-glass frame, the combination of the single bar B, the rims R adjustably secured to the bar B by means of the clamps C, the springs S, adjustable relatively to the bar B and provided with the projections O bent inwardly and downwardly, and the yielding nose-pieces N on the said projections, substantially as shown and described.

2. In an eye glass frame, the combination of the bar B, the rims R provided with the projections L, and the nose piece springs S, with suitable clamps such as C embracing the bar B, projections L and springs S for securing the parts together, whereby one part may be independently adjusted with relation to the others, as set forth.

CHARLES M. HAYNES.

Witnesses:

WILBY G. HYDE,

FRANK ERDMANN.