S. J. CLULEE.

EYEGLASSES.

APPLICATION FILED AUG. 10, 1908.

1,048,497. Patented Dec. 31, 1912.

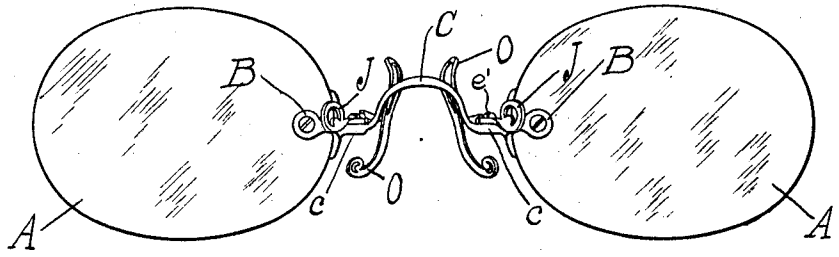

FIG. 1.

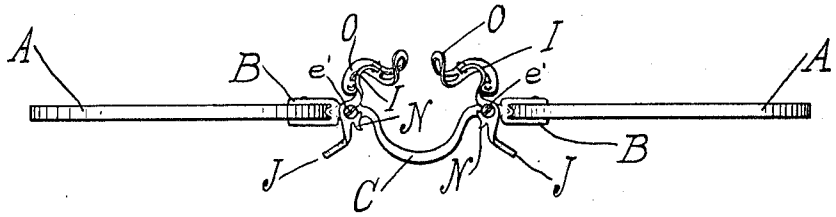

FIG. 2.

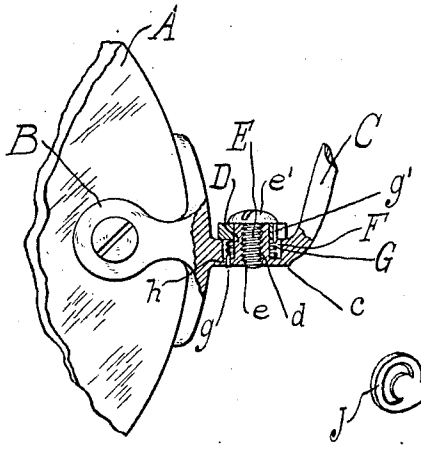

FIG. 4.

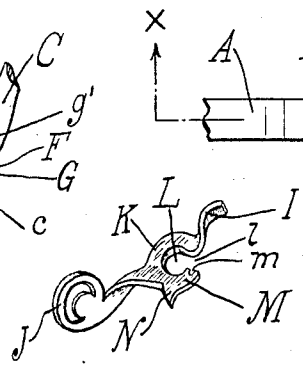

FIG. 5.

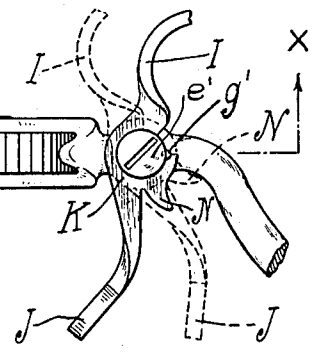

FIG. 3.

WITNESSES.

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EYEGLASSES.

1,048,497. Specification of Letters Patent. Patented Dec. 31, 1912.

Application filed August 10, 1908. Serial No. 447,739.

To all whom it may concern:

Be it known that I, STEPHEN J. CLULEE, a citizen of the United States, residing at Attleboro, in the county of Bristol and State of Massachusetts, have invented certain new and useful Improvements in Eyeglasses, of which the following is a specification.

My invention relates particularly to that class of eyeglass mountings wherein the guards are carried upon forwardly projecting finger pieces pivoted to a relatively fixed bridge. In this class of devices the actuating spring or the spring terminals have been so constructed or located as to be caught or interfered with and bent by the fabric used in rubbing the lens surface.

The purposes of my invention are to construct and locate the actuating springs so as to protect the same from corrosion and injury and prevent the loosening of the screw commonly resulting from contiguity with the spring. Further, to provide a structure which permits the facile engagement and removal of the finger pieces when desired, and to attain the above ends in a simple and inexpensive structure.

To the above ends essentially my invention consists in the novel construction and combination of parts hereinafter set forth, and illustrated in the accompanying drawings, wherein—

Figures 1 and 2 are front and plan views respectively of a pair of eyeglasses equipped with my novel device. Fig. 3, an enlarged plan of my device with adjacent parts of the eyeglass upon which it is mounted broken away. Fig. 4, a partial section of the same on line *x x* of Fig. 3, and Fig. 5, a perspective view of the major portion of the finger piece.

Like reference characters indicate like parts throughout the views.

In the drawings, A A represent the lenses, B the lens holding ears or straps, and C the rigid arched bridge of a pair of eyeglasses. The end portions, *c c* of the bridge are horizontal and preferably flat. Upon the upper face of each of the portions, *c*, is an upright integral cylindrical post, D, provided with an internal screw thread, *d*, adapted to engage the thread, *e*, of a screw, E, whose head, *e'*, rests upon the top of the post, D, and is of greater diameter than the latter. A deep annular cavity, F, in the portion, *c*, surrounds the post, D, in which rests a spiral spring, G, surrounding the post, and whose lower end, *g*, is bent downwardly, and its upper end, *g'*, upwardly. The end, *g*, is frictionally held in a vertical hole, *h*, extending from the lower face of the portion, *c*, to the cavity, F. Each finger piece or arm, I, is struck and bent up from sheet metal and comprises a vertically disposed operating end, J, and a flat, broad, nearly circular body or intermediate portion, K. This body portion is provided with a central substantially circular aperture, L, having a restricted passage, *l*, extending to the margin of the body and tangentially disposed to the aperture, forming a curved finger, M. The latter is provided at its outer end with a vertical channel or groove, *m*, and near its base with a lateral or radial projection, N. The apertured central portion of the arm, K, rests upon the end, *c*, of the bridge and nearly surrounds the post, D, upon which it is pivoted. The restricted passage, *l*, is of sufficient width to permit entrance therethrough of the post, D. The end, *g'*, of the spring rests in the groove, *m*, of the finger. The under surface of the screw head, *e'*, rests lightly on the adjacent surface of the body portion of the arm, I. Pivoted or fixed in any usual or convenient manner to the end of each arm, or integral therewith, is a nose guard, O.

The finger pieces are operated in the usual manner. In separating the nose guards, O, to apply or remove the glasses, the operating ends, J, are pressed toward each other, in which position, shown by broken lines in Fig. 3, the projection, N, abuts against the bridge C, and forms a stop to the excessive distention of the parts.

It will be observed that the finger pieces may be removed or replaced without completely removing the screw, and that the peculiar shape of the apertures and passages L, *l*, prevents the accidental disengagement of the finger pieces. Further, that the spring G, is thoroughly housed and is remote from the screw; and that the ends *g*, *g'* of the springs do not project beyond the planes of the arms and bridge ends and are, therefore, unexposed to any cleaning fabric.

What I claim is,

1. In eyeglass mountings, the combination with the bridge provided with an annular cavity, of a post upon the bridge within the cavity, a guard arm provided with

forwardly projecting operating portions and pivoted to the post above the cavity, a guard on the arm, a screw in the post, a head upon the screw above the arm, and spring means in the cavity and engaging the arm for actuating the arm.

2. In eyeglass mountings, the combination with the bridge provided with an annular cavity, of a post upon the bridge within the cavity, a guard arm provided with forwardly projecting operating portions and pivoted to the post above the cavity, a guard upon the arm, a screw in the post, a head upon the screw loosely resting against the arm, and a spring fixed in the cavity and engaging the arm.

3. In eyeglass mountings, the combination with the bridge provided with an annular cavity, of a bearing member upon the bridge within the cavity, a guard arm provided with forwardly projecting operating portions mounted upon the bearing member above the cavity, a guard upon the arm, and spring means in the cavity and engaging the arm.

4. In eyeglass mountings, the combination with the bridge provided with an annular cavity, of a post upon the bridge within the cavity, a guard arm, a lateral curved finger upon the arm adapted with the arm to bear against the post, said arm resting upon the bridge above the cavity, and a spring mounted in the cavity and engaging the arm.

5. In eyeglass mountings, the combination with the bridge provided with an annular cavity, of a post upon the bridge within the cavity, a guard arm, a lateral curved finger upon the arm adapted with the arm to bear against the post and resting upon the bridge above the cavity, and a spring mounted in the cavity and engaging the arm.

6. In eyeglass mountings, the combination with the bridge provided with an annular cavity having an opening in its base, of a post upon the bridge within the cavity, a screw in the post, a head on the screw, a guard arm upon the bridge below the screw-head, a lateral curved finger upon the guard arm provided with a channel and adapted with the arm to bear against the post, and a spiral spring around the post and within the cavity having one end in the opening and its other end in the channel.

7. In eyeglass mountings, the combination with the bridge provided with a cavity, of a post upon the bridge within the cavity, a guard arm pivoted to the post above the cavity, a guard on the arm, a screw in the post, and spring means in the cavity for actuating the arm.

8. In eyeglass mountings, the combination with the bridge provided with a cavity, of a post upon the bridge within the cavity, a guard arm pivoted to the post over the cavity, a guard upon the arm, a screw in the post, and a spring upon the post within the cavity and engaging the arm.

9. In eyeglass mountings, the combination with a bridge provided with a cavity, of a post upon the bridge within the cavity, a guard arm pivoted to the post above the cavity, a guard upon the arm, means in the post for retaining the arm upon the post, and spring means upon the post within the cavity for actuating the arm.

10. In eyeglass mountings, the combination with the bridge provided with a cavity, of a bearing member upon the bridge within the cavity, a guard arm mounted upon the bearing member above the cavity, and spring means in the cavity engaging the arm.

In testimony whereof I have affixed my signature in presence of two witnesses.

STEPHEN J. CLULEE.

Witnesses:
HORATIO E. BELLOWS,
WALTER LOUIS FROST.