

No. 825,650.

PATENTED JULY 10, 1906.

L. A. HINES.
EYEGGLASS GUARD.
APPLICATION FILED APR. 3, 1905.

Fig. 1.

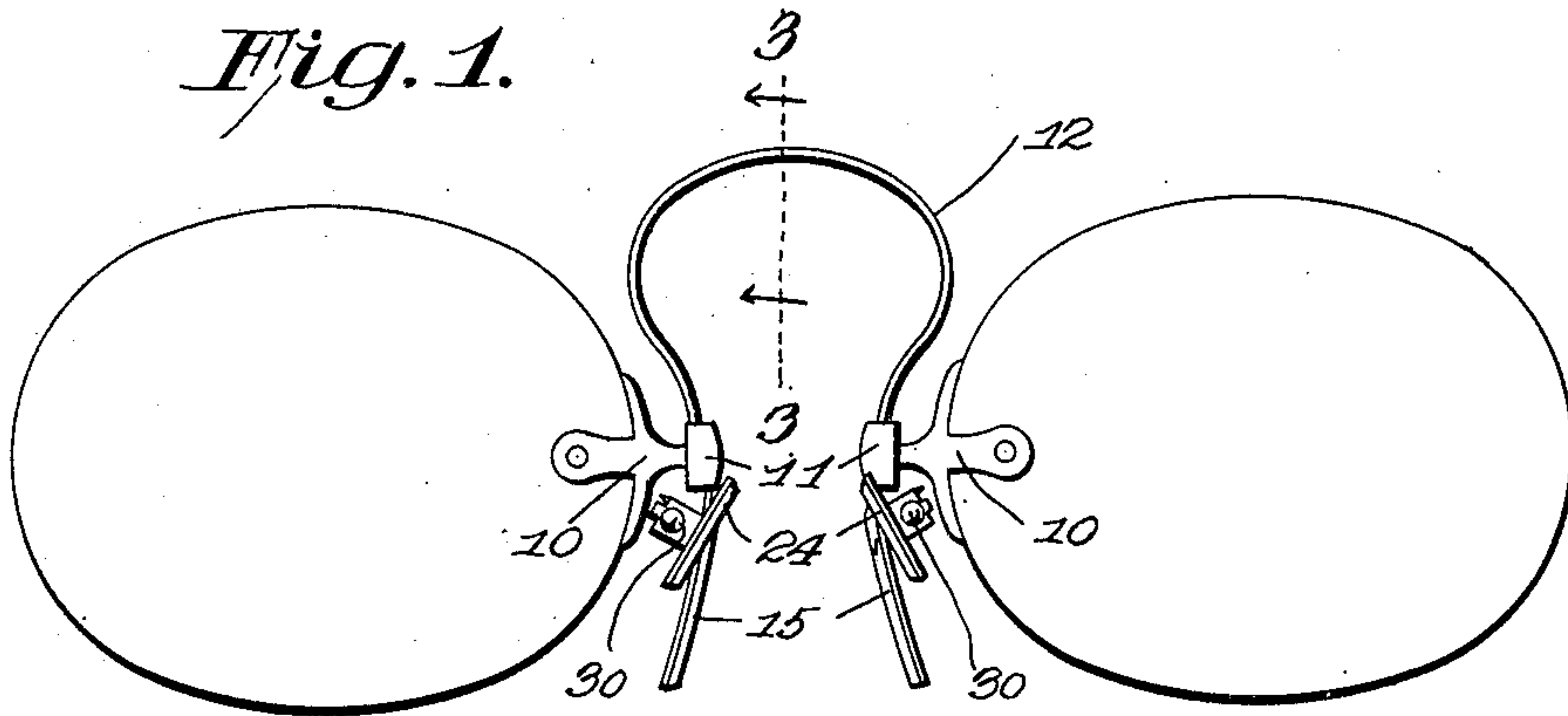


Fig. 2.

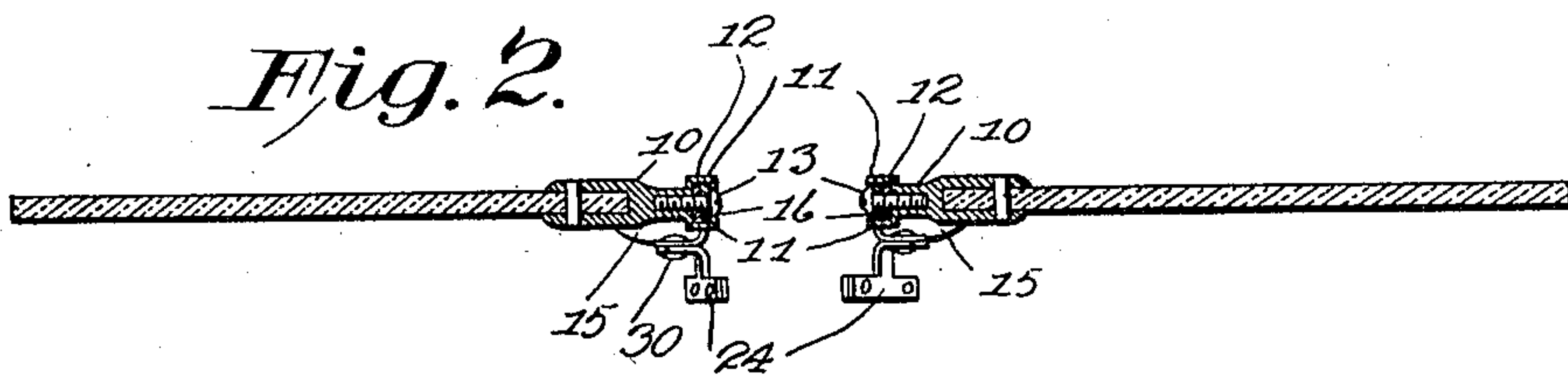


Fig. 3.

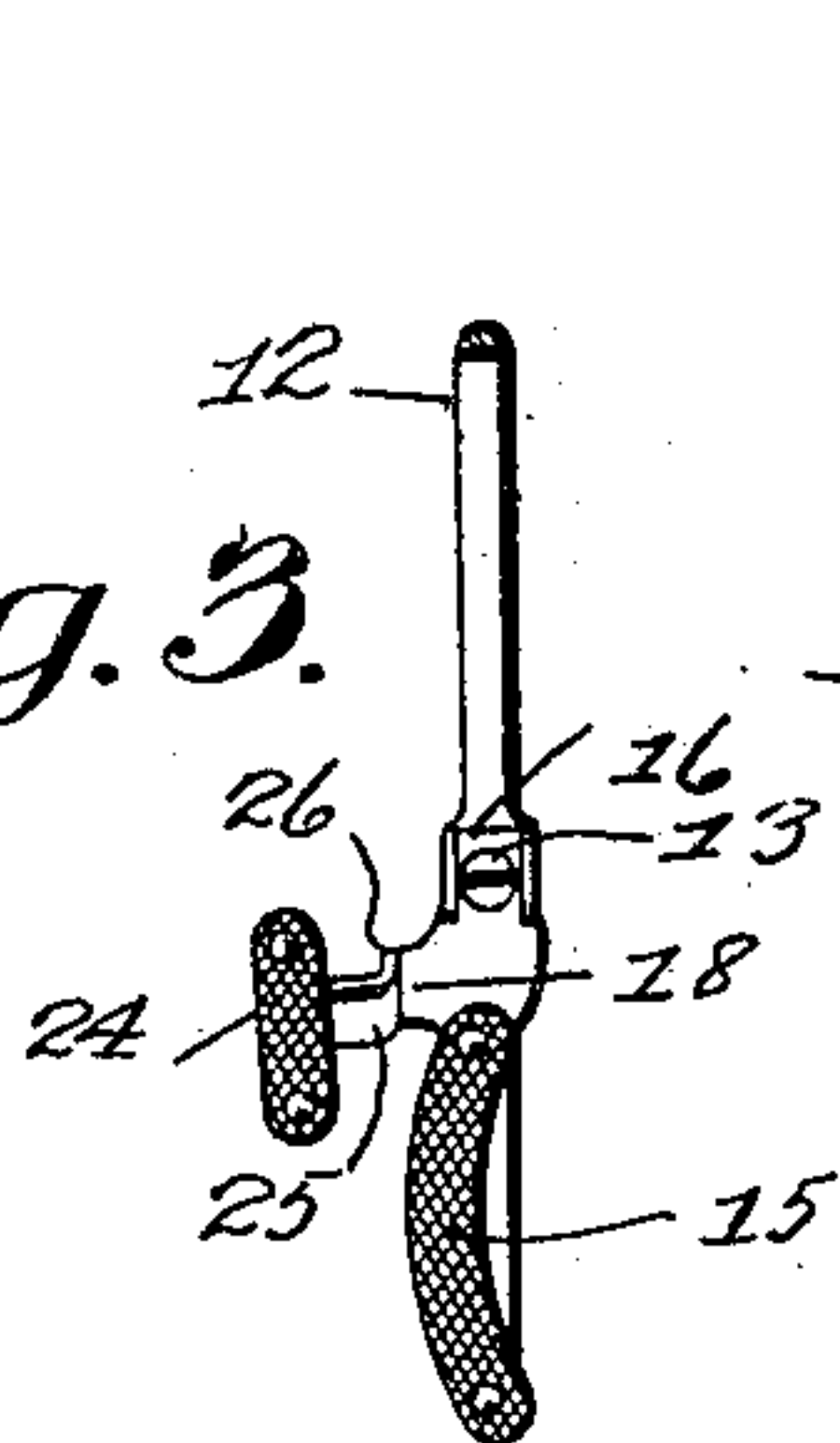


Fig. 4.

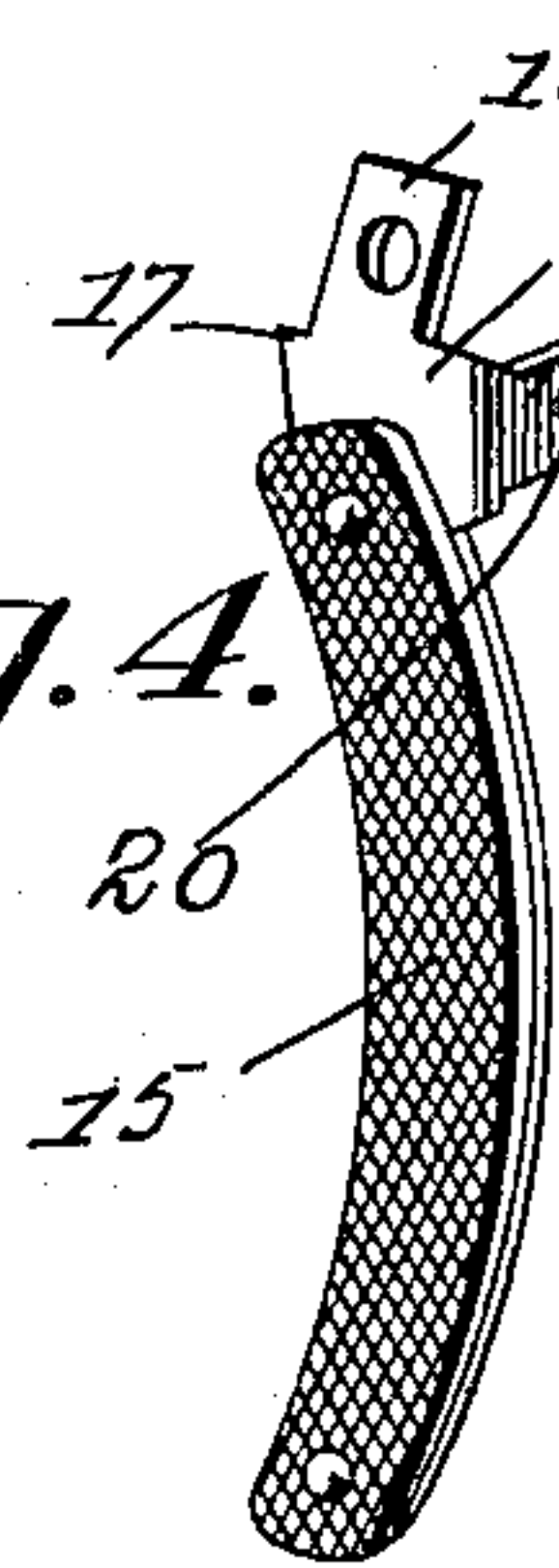
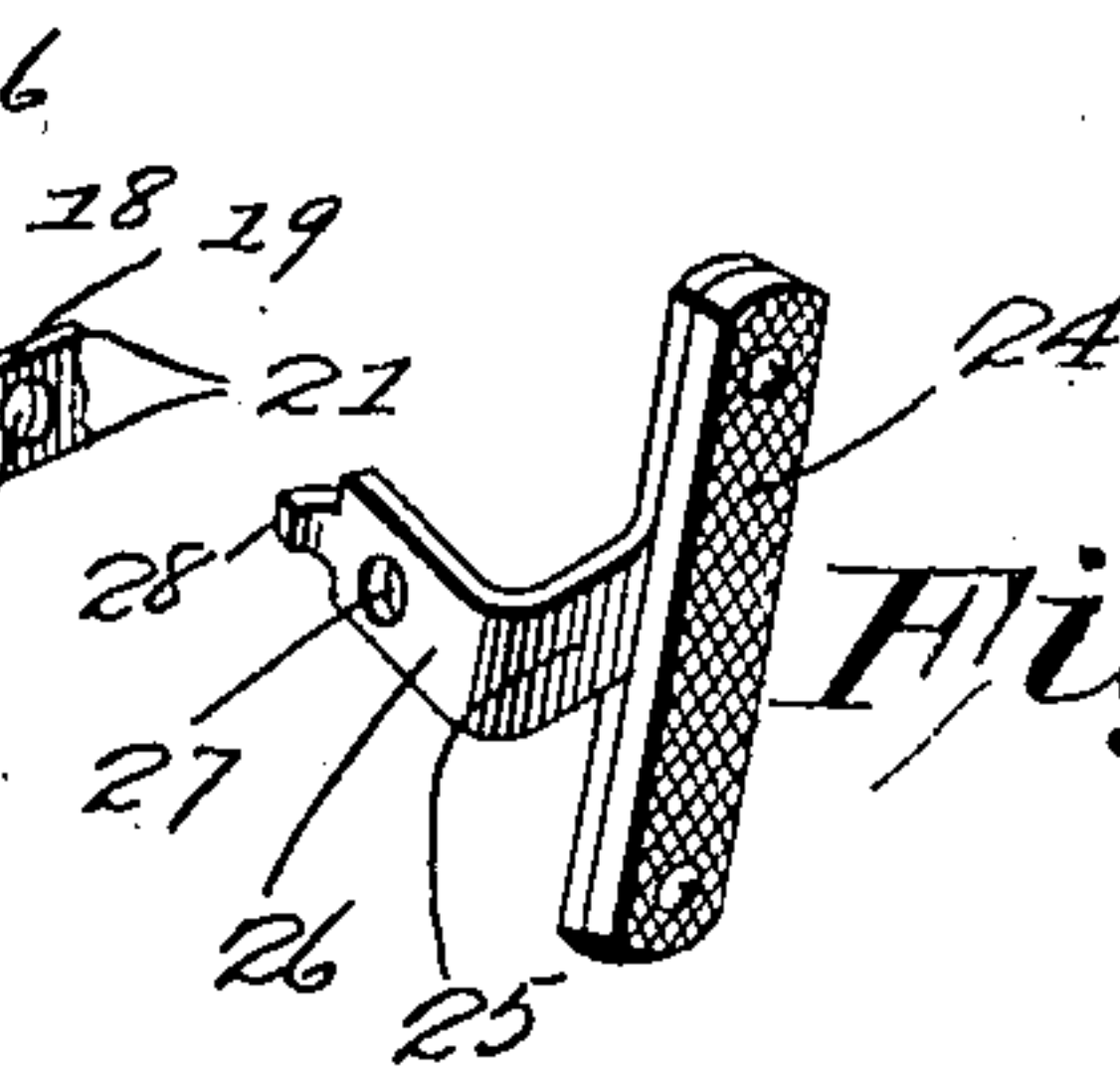


Fig. 5.



Witnesses
E. J. Stewart
John E. Parker

Lewis A. Hines,
Inventor
by *C. A. Snow & Co.*
Attorneys

UNITED STATES PATENT OFFICE.

LEWIS ALONZO HINES, OF SAVANNAH, GEORGIA.

EYEGLOSS-GUARD.

No. 825,650.

Specification of Letters Patent.

Patented July 10, 1906.

Application filed April 3, 1905. Serial No. 253,509.

To all whom it may concern:

Be it known that I, LEWIS ALONZO HINES, a citizen of the United States, residing at Savannah, in the county of Chatham and State of Georgia, have invented a new and useful Eyeglass-Guard, of which the following is a specification.

This invention relates to eyeglasses, and has for its principal object to provide a novel form of guard that is mounted for free swinging movement and automatically adjusts itself to the shape of the nose, so that in fitting a pair of glasses it is unnecessary for the optician to employ care and time in properly shaping the guards to accommodate the shape of the nose.

A further object of the invention is to provide a self-adjusting guard which when the glasses are placed in position will instantly conform to the shape of the nose and the discomfort due to accidental bending of the usual fixed guards will be avoided.

With these and other objects in view, as will more fully hereinafter appear, the same consists in certain novel features of construction and arrangement of parts, hereinafter fully described, illustrated in the accompanying drawings, and particularly pointed out in the appended claims, it being understood that various changes in the form, proportions, size, and minor details of the structure may be made without departing from the spirit or sacrificing any of the advantages of the invention.

In the accompanying drawings, Figure 1 is a rear elevation of a pair of glasses constructed in accordance with the invention. Fig. 2 is a plan view of the same, partly in section. Fig. 3 is a transverse sectional view on the line 3-3 of Fig. 1. Fig. 4 is a detail perspective view of the main guard member detached. Fig. 5 is a similar view of the pivotally-mounted guard.

Similar numerals of reference are employed to indicate corresponding parts throughout the several figures of the drawings.

The boxes or studs 10 are provided with lens-attaching means of the usual type, and each box has side flanges 11, between which fit the ends of a bowed spring 12 of the usual type, the spring being held to the studs by a screw 13.

The main guard 15 is preferably arcuate in form in order to insure a better grip on the side of the nose than the usual main guard,

and at the upper end of said guard is a projecting portion 16, that fits between the two flanges 11 and is also held in place by a screw 13. At the juncture of the upper portion of the guard proper and the portion 16 is a flange 17, that fits against the lower edge of the outer flange 11, and this, in connection with a side arm 18, that fits against the lower edge of the inner flange 11, serves to prevent any play of the guard should the securing-screw 13 work loose.

The arm 18 projects laterally from the upper portion of the main guard member and is bent at a right angle to form a projecting ear 19, that is provided with a perforation 20, and at the extreme outer edge of said ear is a recess defining a pair of spaced stops 21, the base of said recess being preferably in a curved line struck from the center of the perforation 20. In the manufacture of this portion of the device the guard, arm, and ear are preferably formed of a single piece of stamped sheet metal, or, if necessary, the ear 19 may be made of a separate piece of metal, soldered or otherwise secured to arm 18.

The supplemental guard 24 is of any suitable shape and is provided at a point about midway of its length with a projecting arm 25, that is bent at a right angle to form a pivot-ear 26, that is provided with a perforation 27, and at the extreme end of said ear is a projecting tongue 28, that is bent over into the recess formed between the two stops 21, and said stops by engagement with said tongue 28 limit the independent movement of the guard 24. The members of the guard 24 may also be formed of a single piece of stamped sheet metal or of several pieces of metal soldered or otherwise secured together.

In assembling the parts the ears 19 and 26 are placed together, and a rivet 30 is placed through the two perforations 20 and 27 and its ends upset in such manner as to form a loose pivot on which the guard 24 may freely spring, while the extended surface of the ears 19 and 26 prevent any wobbling or displacement of the guard 24. After the tongue 28 has been bent over in the recess of the ear 19 the structure is complete, and the swinging movement of the guard is limited by engagement of said tongue with one or other of the stops, the latter being placed at a sufficient distance from each other to permit any movement necessary to accommodate the shape of the nose.

Having thus described the invention, what is claimed is—

1. The combination with an eyeglass-frame, of a main guard secured to the frame and provided with a pivot-ear, a self-adjusting guard also having a pivot-ear, a pivot-stud connecting said ear, the length of the stud being parallel with the nose-engaging surfaces of the guards, and interengaging means on the pivot-ears for limiting independent movement of the pivoted guard.

2. The combination with an eyeglass-frame, of a guard having a pivot-ear disposed approximately in a plane at a right angle to the general plane of the guard, a pivot-stud extending through said ear, and means engaging with said ear to limit independent movement of the guard.

3. An eyeglass-frame, a nose-guard rigidly secured thereto and provided with a pivot-ear, a self-adjusting guard also having an ear, a pivot-stud engaging the two ears, a pair of

stops carried by one of the ears, and a tongue carried by the second ear and playing between the two stops.

4. In an eyeglass-frame, a flanged stud, a guard member having a portion engaging within and secured to the stud and provided with a flange fitting against one of the stud-flanges, an arm projecting from the guard and fitting against the second stud-flange, a pivot-ear carried by the arm and provided with a pair of stops, a self-adjusting guard having a projecting arm and provided with a pivot-ear having a tongue arranged to play between the two stops, and a pivoting means connecting the two ears.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

LEWIS ALONZO HINES.

Witnesses:

K. V. O'CONNOR,
C. J. HUNTER.