

No. 804,717.

PATENTED NOV. 14, 1905.

C. GOODWIN.
STUD FOR EYEGLASSES.
APPLICATION FILED JUNE 8, 1905.

Fig. 1.

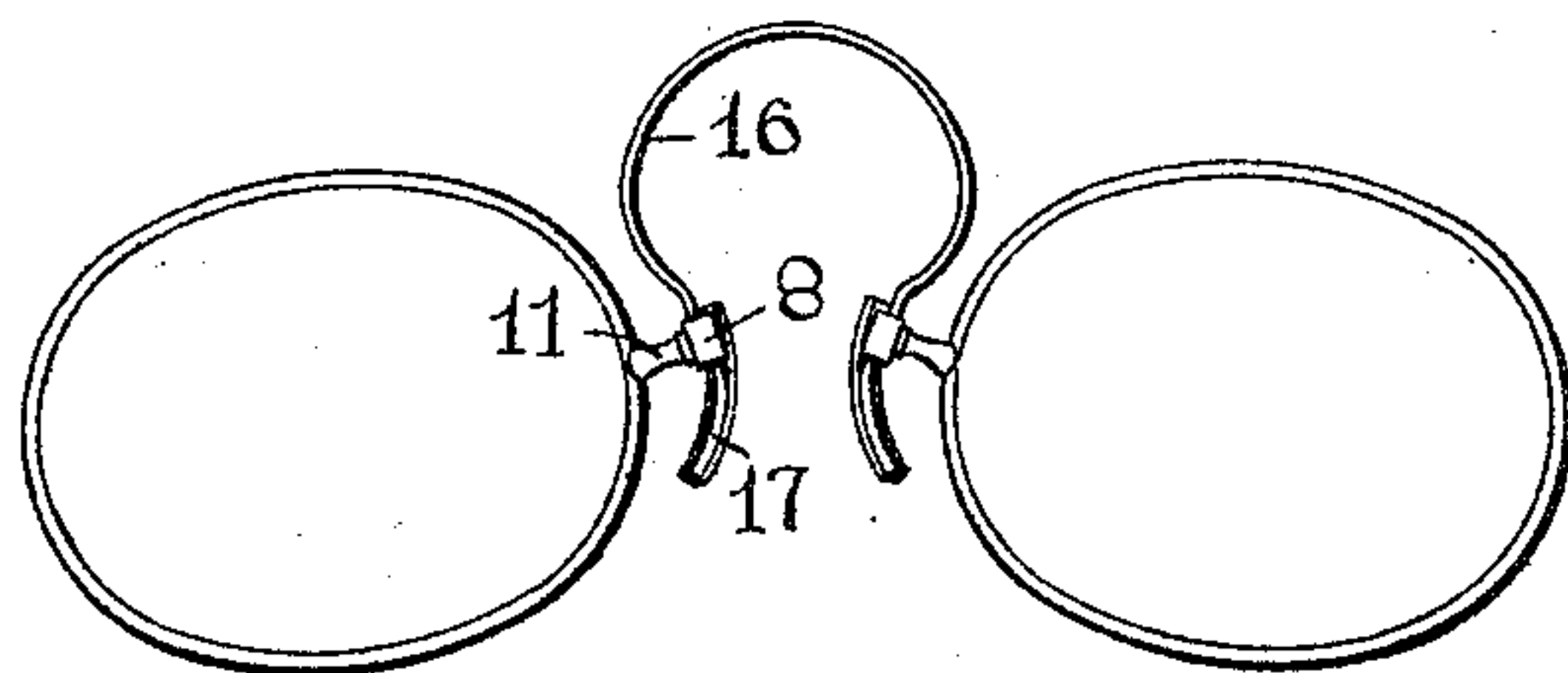


Fig. 2.

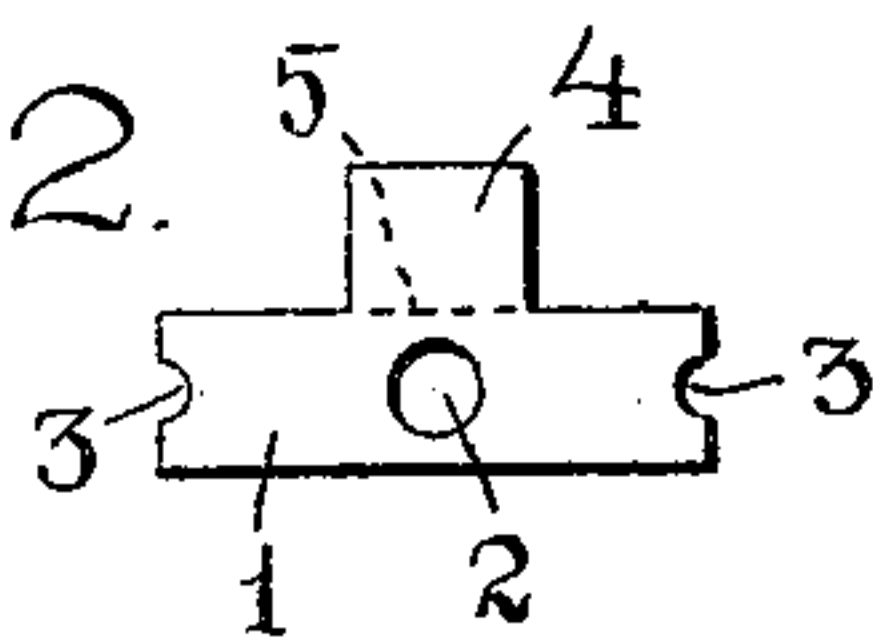


Fig. 3.

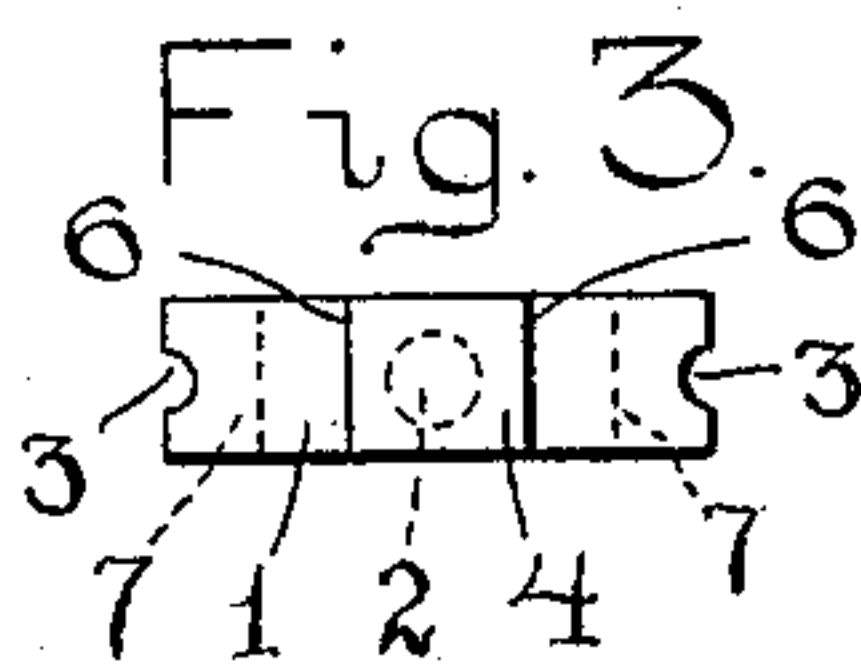


Fig. 4.

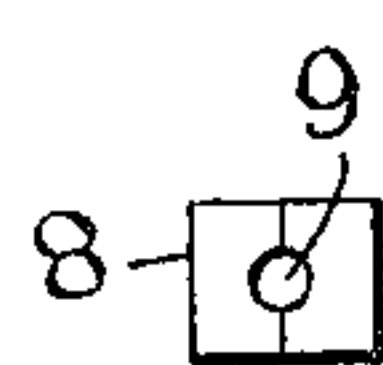


Fig. 5.

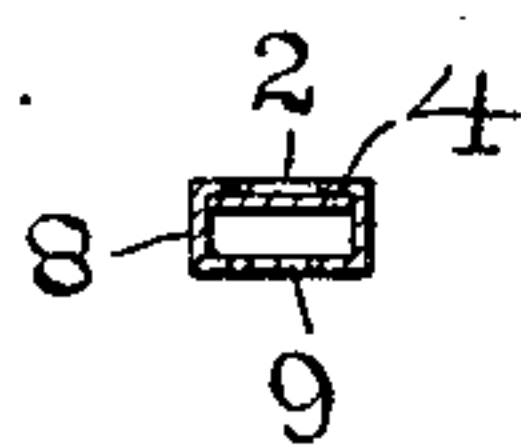


Fig. 6.

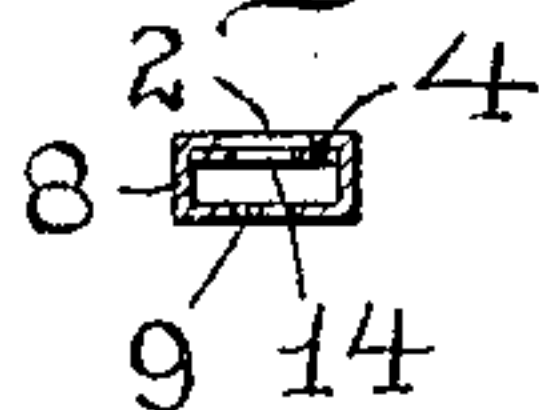


Fig. 7.

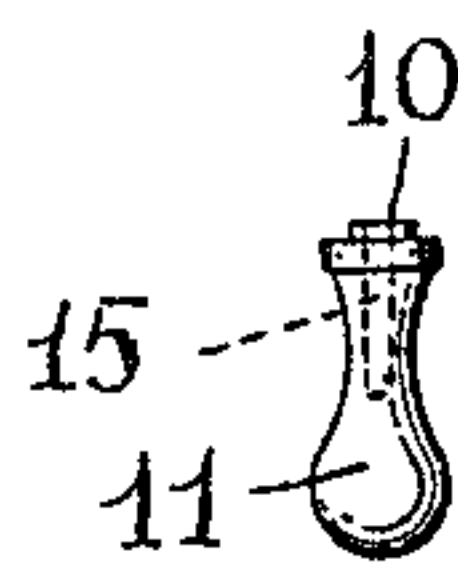


Fig. 8.

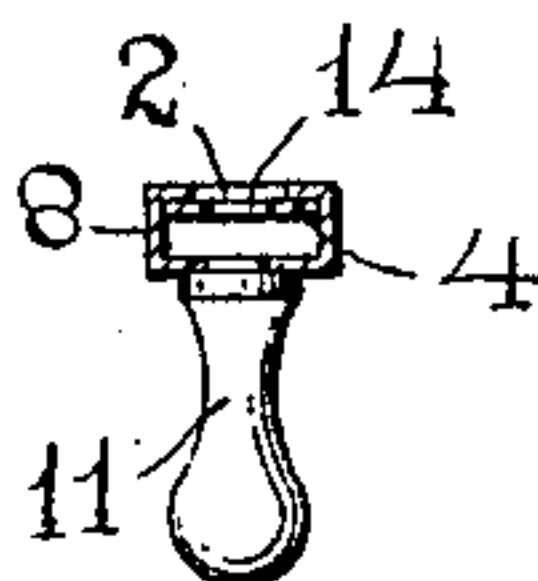
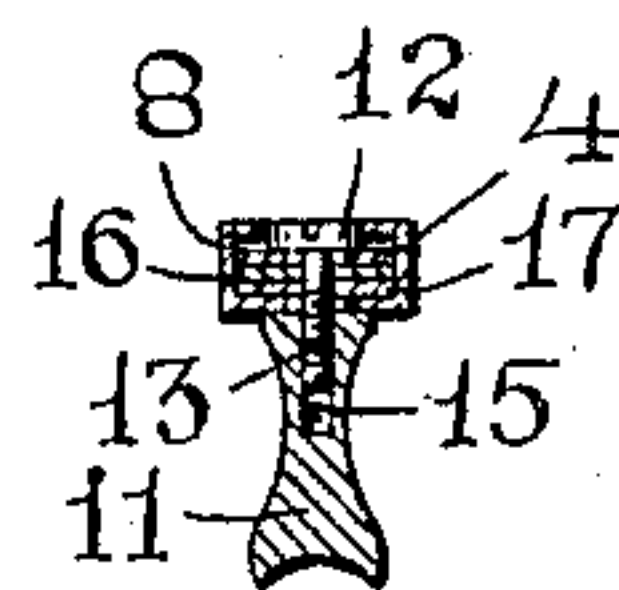


Fig. 9.



Witnesses

Roy D. Tolman.

Penelope Pomeroy.

Inventor

Charles Goodwin.

By *Rufus B. Fowler*
Attorney

UNITED STATES PATENT OFFICE.

CHARLES GOODWIN, OF EAST PROVIDENCE, RHODE ISLAND.

STUD FOR EYEGLASSES.

No. 804,717.

Specification of Letters Patent.

Patented Nov. 14, 1905.

Application filed June 8, 1905. Serial No. 264,264.

To all whom it may concern:

Be it known that I, CHARLES GOODWIN, a citizen of the United States, residing at East Providence, in the county of Providence and State of Rhode Island, have invented a new and useful Improvement in Studs for Eyeglasses, of which the following is a specification accompanied by drawings forming a part of the same, in which—

Figure 1 represents a front view of an eyeglass containing my improved stud. Fig. 2 represents in extended form a sheet-metal blank from which the box portion of the stud is formed. Fig. 3 represents the blank with the laterally-projecting wing bent over upon the body portion of the blank. Fig. 4 represents the box portion of the stud formed by bending the body portion of the blank. Fig. 5 represents a sectional view of the box portion of the stud, the section being shown on line 5 5, Fig. 4. Fig. 6 represents a sectional view of the box portion of the stud on the same plane as that shown in Fig. 5, but with a hole formed in the folded wing-piece to receive a screw for attaching the nose-guard and bow-spring. Fig. 7 represents a detached view of the stem by which the box portion of the stud is attached to the eye-wire. Fig. 8 represents my improved stud with the stem and box portion soldered together, and Fig. 9 represents a completed stud shown in sectional view and representing the bow-spring and nose-guard inclosed in the box portion of the stud.

Similar reference-figures refer to similar parts in the different views.

My present invention relates to an improved method of constructing the studs in an eyeglass by which the bow-spring and nose-guard are attached to the eye-wires; and it consists in providing a wing-piece integral with the box portion of the stud and adapted to be compressed by the attaching-screw, by which the nose-guard and bow-spring are held in place.

My improved stud, like those now in common use, comprises a box portion adapted to inclose the bow-spring and nose-guard and having a stem attached thereto, by which the box portion of the stud is connected with the eye-wire.

The box portion of the stud by my improved method of construction is formed from a sheet-metal blank (represented in plan view in Fig. 2) consisting of a body por-

tion 1, having a central hole 2, semicircular notches 3 3 in its opposite ends, and projecting from one side and integral therewith a wing-piece 4, which is bent over upon the body portion 1 upon the broken line 5, as represented in Fig. 3. The body portion of the blank is then bent at right angles upon the lines 6 6 and also upon the broken lines 7 7, bringing the notched ends together and forming a rectangular box, as shown at 8, Fig. 4, the semicircular notches 3 3 forming the circular hole 9 to receive the tenon 10 of the stem 11. The hole 2 in the top of the box portion is adapted to receive the head 12 of an attaching-screw 13, Fig. 9. A hole 14 is formed through the wing-piece 4, as shown in Fig. 6, of less diameter than the head of the attaching-screw. The tenon 10 of the stem is soldered in the hole 9, as shown in Fig. 8, and a screw-threaded hole 15 is formed in the stem 11 coincident with the holes 2 and 14 to receive the attaching-screw 13. The bow-spring 16 and the nose-guard 17, each provided with holes to receive the attaching-screw 13, are then inserted in the box portion 8 of the stud and beneath the wing-piece 4. The screw 13 is then inserted and the head 12 screwed down firmly against the upper surface of the wing-piece 4, causing the nose-guard and bow-spring to be firmly compressed between the bottom of the box 8 and the under side of the wing-piece 4. The wing-piece 4 increases the binding-surface and prevents the movement of the nose-guard or bow-spring from being communicated to and loosening the attaching-screw 13, and the elasticity of the wing-piece tending to lift the screw from its socket exerts a strain upon the screw-threads and prevents the accidental loosening of the screw.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. In a stud for eyeglasses, the combination with a stem and a box portion attached thereto, of a wing-piece integral with the box portion and bent within the box.

2. In an eyeglass-stud, comprising a box to receive the nose-guard and bow-spring and an attaching-screw, the combination with the box, of a wing-piece connected to the box and arranged to receive the pressure of the attaching-screw.

3. In an eyeglass-stud, the combination with a box adapted to receive the bow-spring and nose-guard, and having an opening to

receive the head of a screw, of a wing-piece attached at one edge to the box and having a hole smaller than the head of the screw.

4. In an eyeglass-stud, the combination
5 with a box and a stem attached thereto, of a screw passing through said box into said stem, and a yielding wing-piece inclosed in

said box and arranged to be compressed by said screw.

Dated this 1st day of June, 1905.

CHARLES GOODWIN.

Witnesses:

LOUIS LYONS,
ADE PRICHARD.