

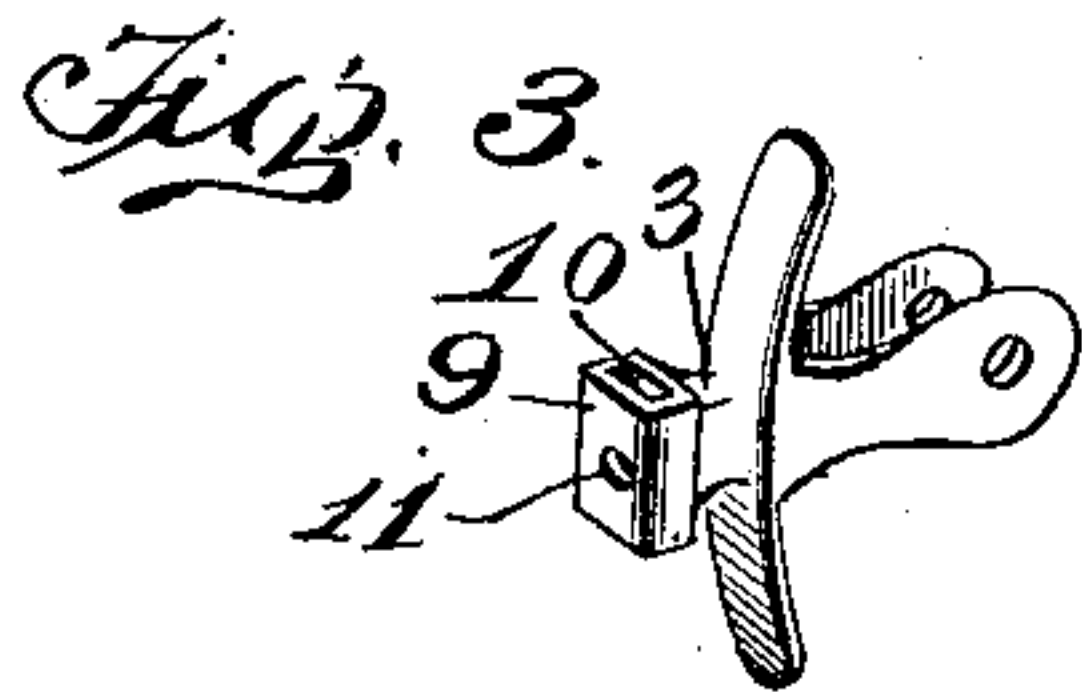
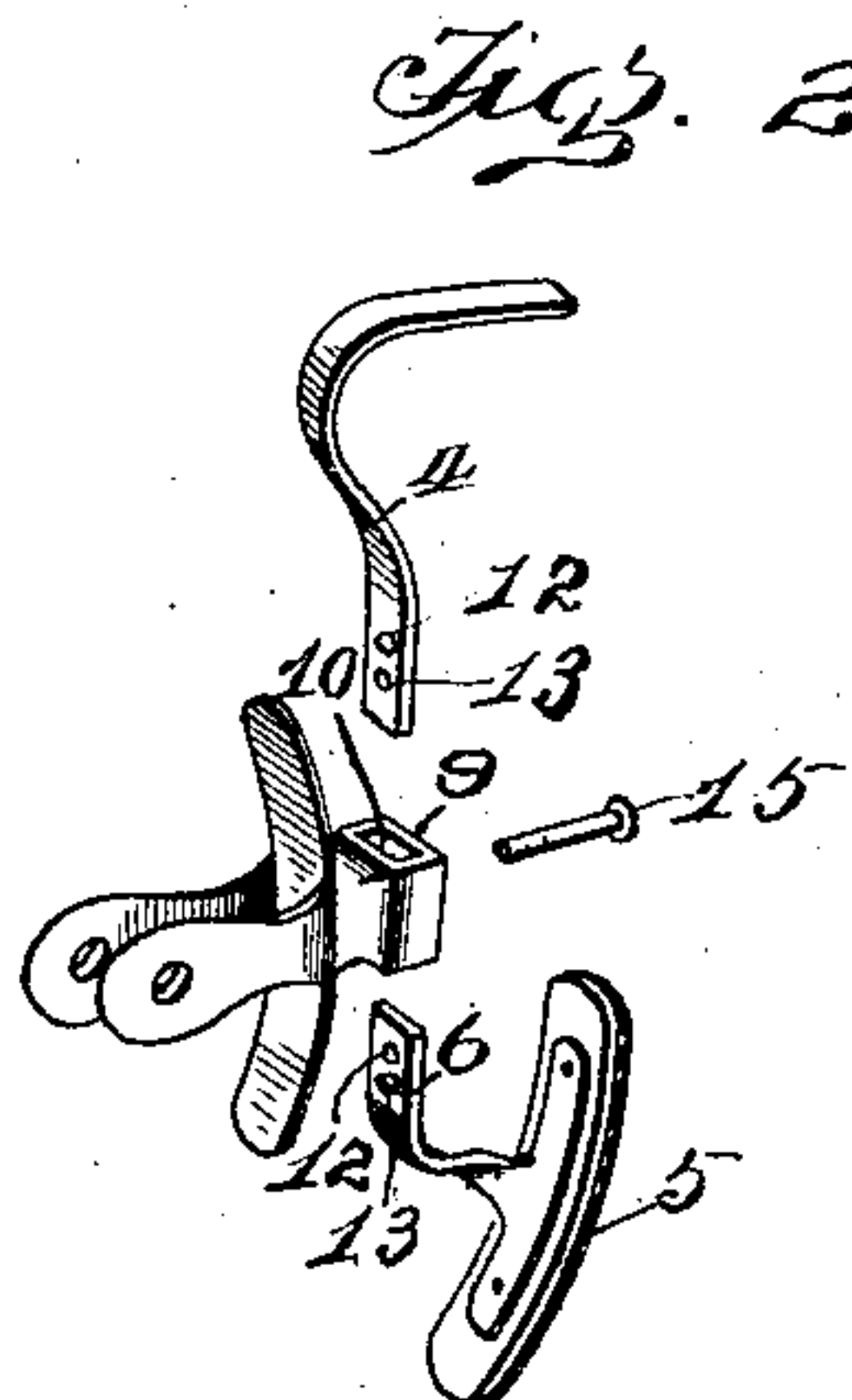
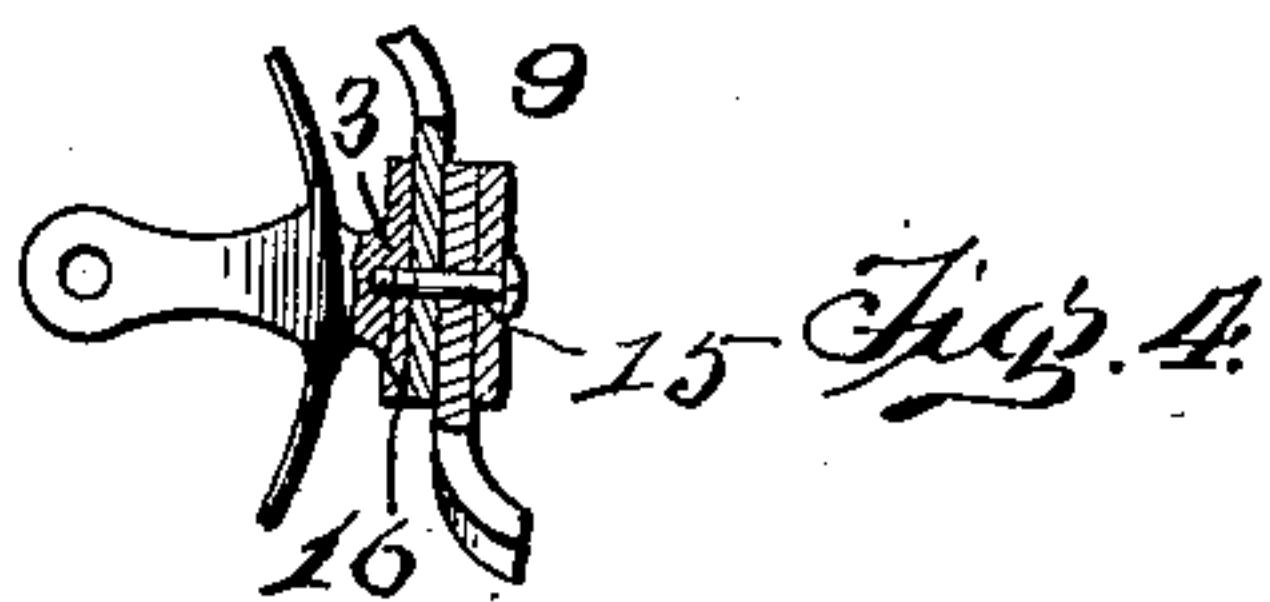
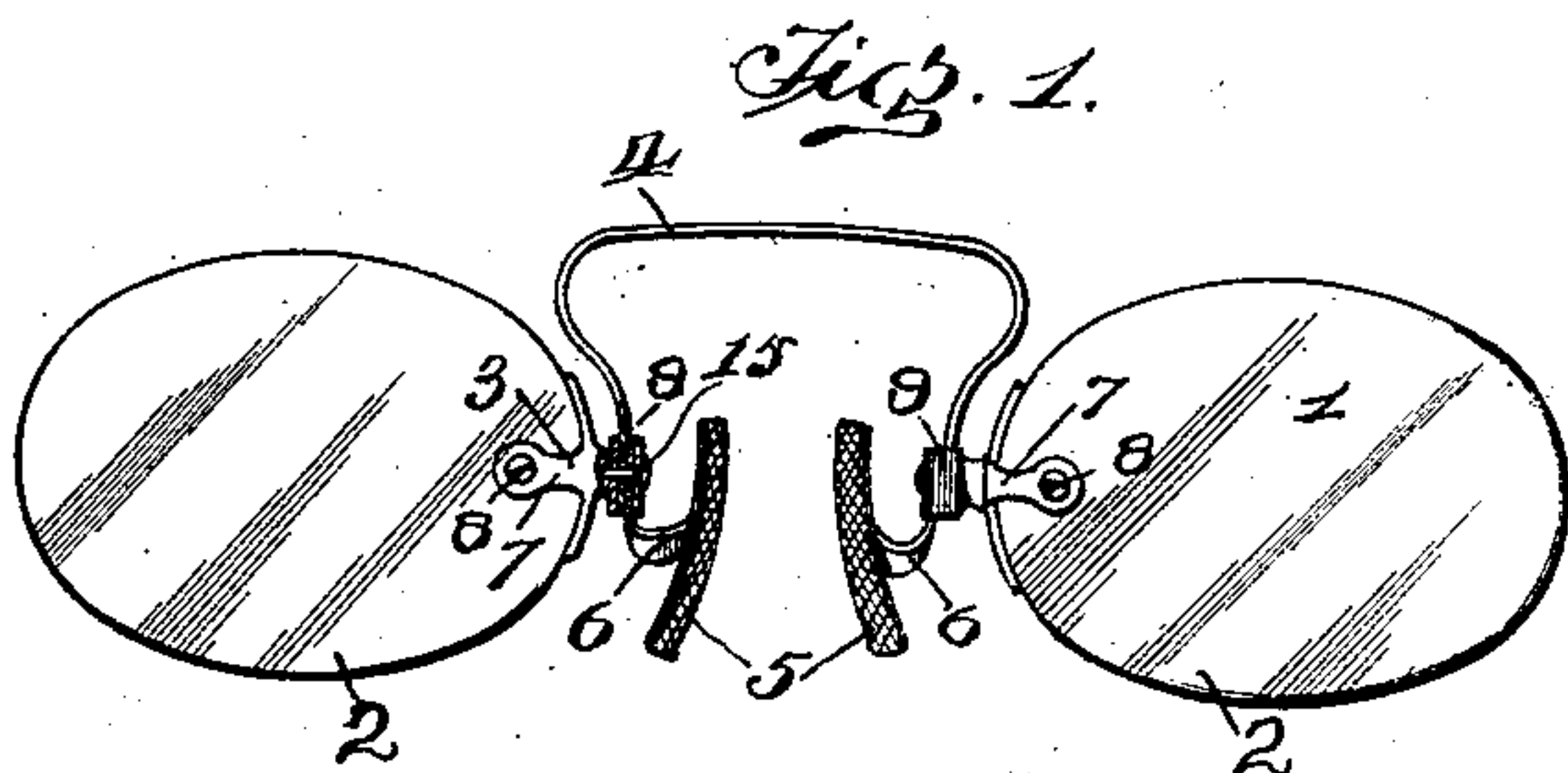
No. 742,458.

PATENTED OCT. 27, 1903.

B. M. LEVOY.  
EYEGLASSES.

APPLICATION FILED OCT. 30, 1901.

NO MODEL.



Witnesses

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# UNITED STATES PATENT OFFICE.

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## EYEGLASSES.

SPECIFICATION forming part of Letters Patent No. 742,458, dated October 27, 1903.

Application filed October 30, 1901. Serial No. 80,512. (No model.)

*To all whom it may concern:*

Be it known that I, BENJAMIN M. LEVOY, a citizen of the United States, residing at 339 Second avenue, New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Eyeglasses; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in eyeglasses, and more particularly to means for retaining the ends of the spring and the nose-guard arms.

The object of the invention is the provision of means for clamping the ends of the spring of a pair of eyeglasses against the upper ends of nose-guard arms in such manner that lateral pressure upon said spring or arms will not loosen the parts and render the same less efficient.

With this and other objects in view my invention consists of certain novel constructions, combination, and arrangement of parts as will be hereinafter fully described and specifically claimed.

In the accompanying drawings, Figure 1 represents a front elevation of a pair of eyeglasses embodying the features of my invention, parts being shown in section for purposes of illustration. Fig. 2 represents an enlarged detail perspective view of one of the studs with the surrounding parts; and Figs. 3 and 4 are enlarged detail perspective and sectional views, respectively, of the same.

In the art to which my invention relates it has been found that the employment of an ordinary form of yoke upon eyeglass-studs for inclosing and retaining the spring and nose-guard arm with the aid of a screw or bolt does not give satisfaction, as the said screw acts as a pivot upon which said spring and arm may move, and lateral pressure thereupon has a more or less spreading effect upon the side pieces of said yoke, whereby the parts become loose, the said side pieces not being braced against such lateral pressure. My invention is designed to overcome this difficulty in the simplest possible and yet most effectual manner.

The present invention will be best understood by reference to the accompanying drawings, in which 1 refers generally to a pair of eyeglasses having suitable lenses, as 2 2, carrying supporting-studs, as 3 3, connected by a bow-spring, as 4, and each supporting a nose-guard, as 5, by its respective arm 6.

Each of the studs 3 consists of a body portion bifurcated at one end, as at 7, inclosing its respective lens 2 and secured together by a suitable bolt, as 8, and the opposite end of said stud is formed with an open-ended box or sleeve, as 9, having solid walls entirely surrounding a central (preferably rectangular) opening, as 10, through which is passed one end of bow 4 and the upper end of one of arms 6, which spring and arm overlap within the said sleeve or box. An aperture, as 11, is formed in the outer wall or face of box 9, and similar apertures, as 12 and 13, registering with apertures 11, are formed, respectively, in the said nose-guard-supporting arm 6 and end of bow-spring 4 for the passage of screw or bolt 15, a threaded bore, as 16, being formed in stud 3 for the reception of the threaded end of said bolt.

Each of the boxes or sleeves 9 is formed of a single integral piece of suitable material or of two or more pieces brazed or otherwise secured together to form a solid or inseparable structure, and it will be readily seen that the outer face or wall thereof will prevent any possibility of lateral spreading of the side walls, and the opening 10 is of a size to permit the entrance of arm 6 and bow 4, the walls of said box snugly fitting about the same and screw or bolt 15 firmly retaining the same against longitudinal movement when the parts are assembled.

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

1. In eyeglasses, the combination with a suitable lens of a stud secured thereto at one end, the other end being provided with a box open top and bottom and having integral walls extending entirely around said opening, a spring having one end snugly fitted into said box, a nose-guard having its arm also snugly fitted into said box so as to be held against lateral movement and lapping



upon the end of the spring, and a pin passed through the front wall of the box from the outside and entering the body portion of the stud, the said pin also passing through the lapping ends of the spring and nose-guard arm, the head of the pin engaging the front wall of the box, substantially as described.

2. In eyeglasses, the combination with a lens, of a stud secured thereto, a box formed integral with said stud and having a passage extending through it which passage is entirely closed by the solid walls of the box, a spring having its end fitted into said box, a nose-guard arm also fitted into said box, and a pin passed through the outer wall of the box and into the inner wall thereof, the said pin also being passed through the ends of the spring and the nose-guard arm for locking the same against movement, substantially as described.

3. In eyeglasses the combination with a lens, of a stud secured thereto, said stud being provided with a box having solid walls and having a passage extending through the same, a spring having its end snugly fitted into said box, a nose-guard arm also snugly fitted into said box so as to be held against lateral movement, a securing means passed through the outer wall of the box from the outside and entering the body portion of the same, the said securing means also passing through the ends of the spring and the nose-guard arm, substantially as described.

In testimony whereof I hereunto affix my signature in presence of two witnesses.

BENJAMIN M. LEVOY.

Witnesses:

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