

EYEGLASSES.

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975,367.

Patented Nov. 8, 1910.

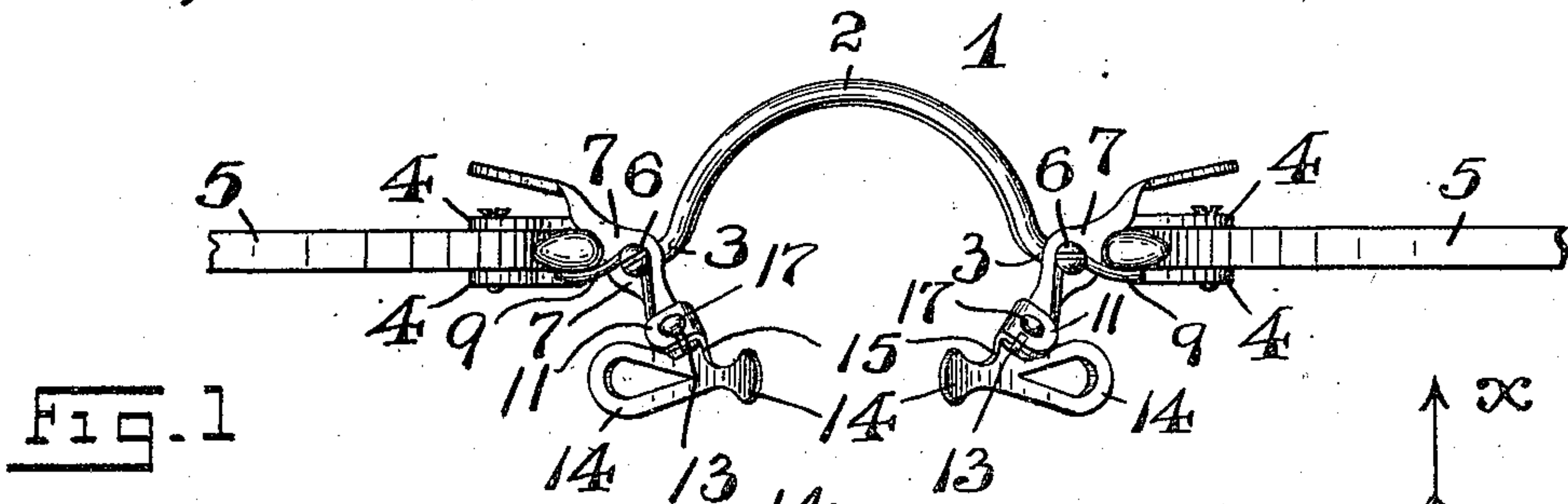


Fig. 1

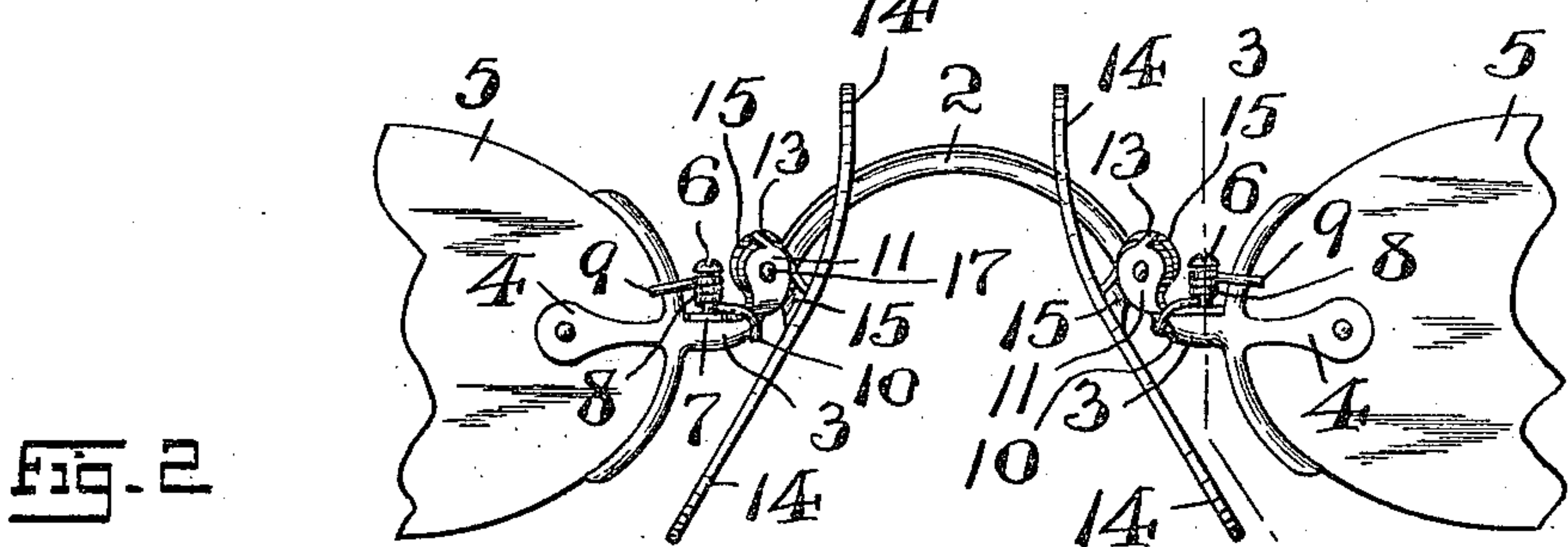


Fig. 2

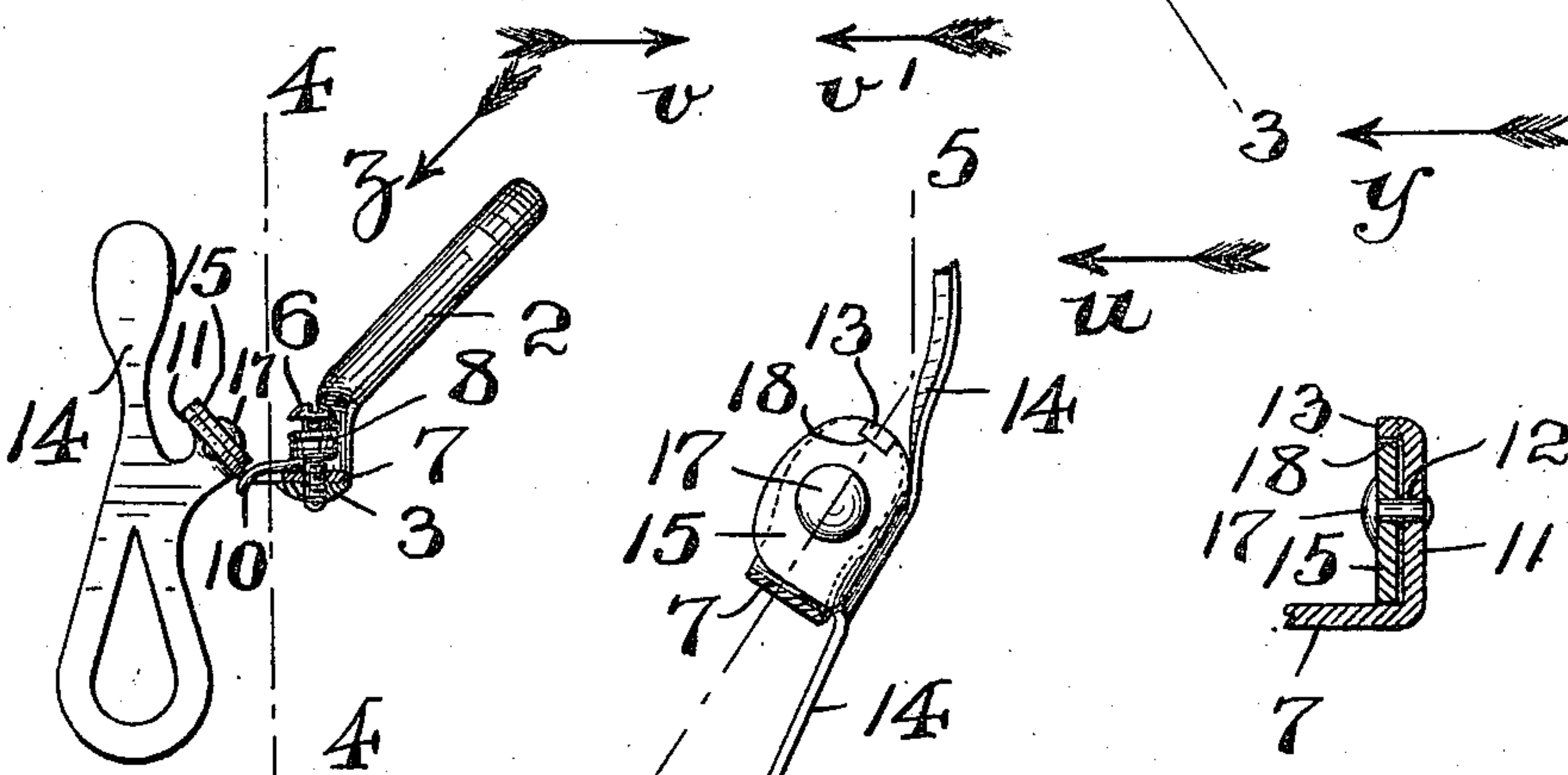


Fig. 3

5 Fig. 4

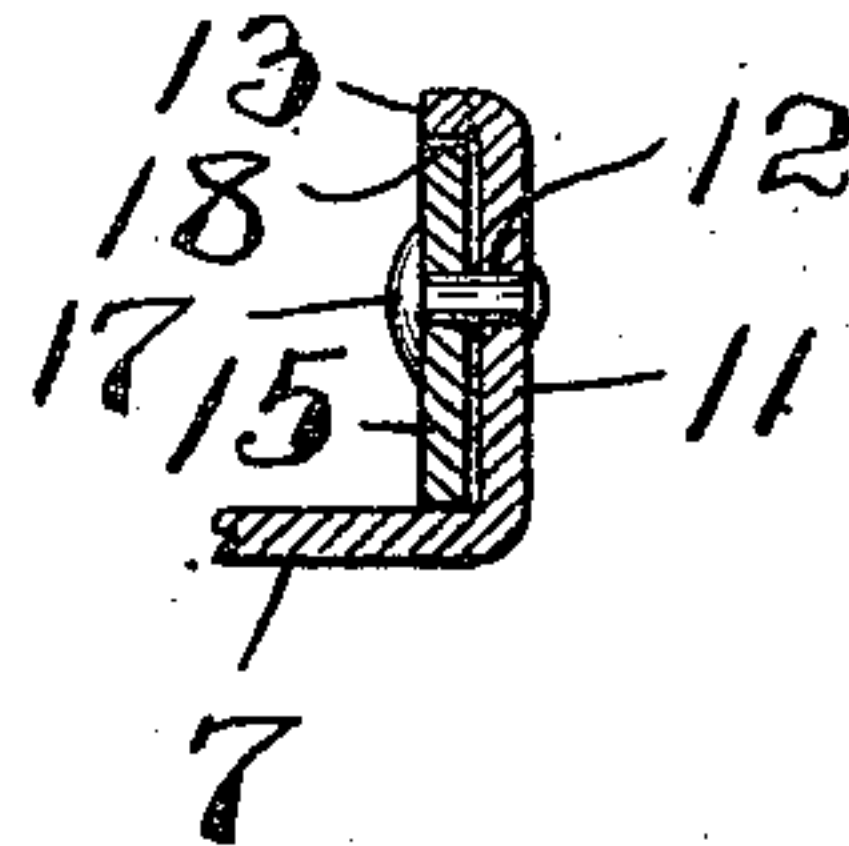


Fig. 5

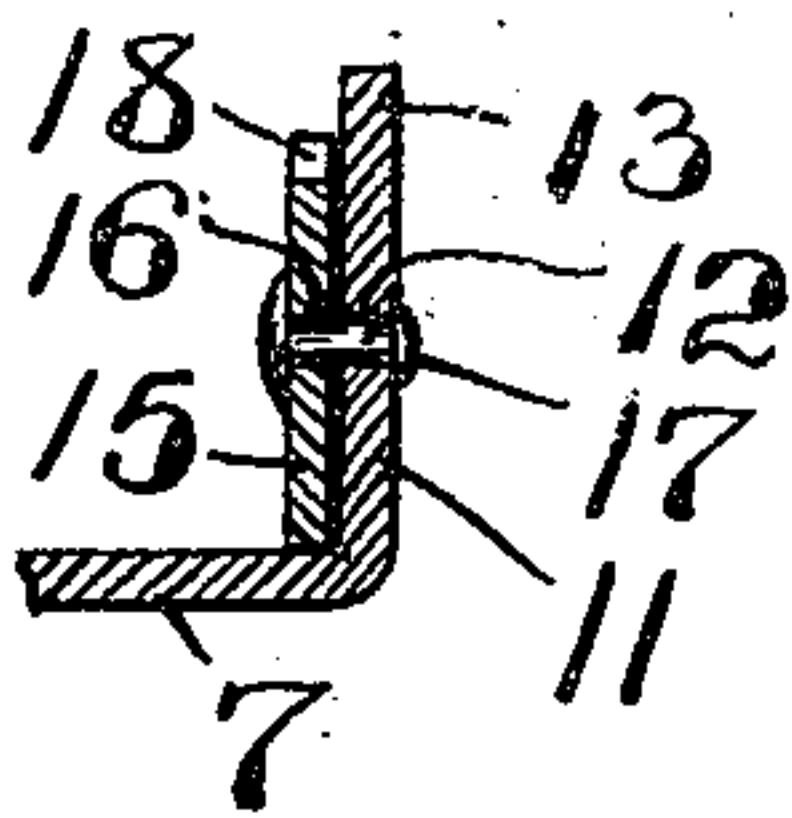


Fig. 6

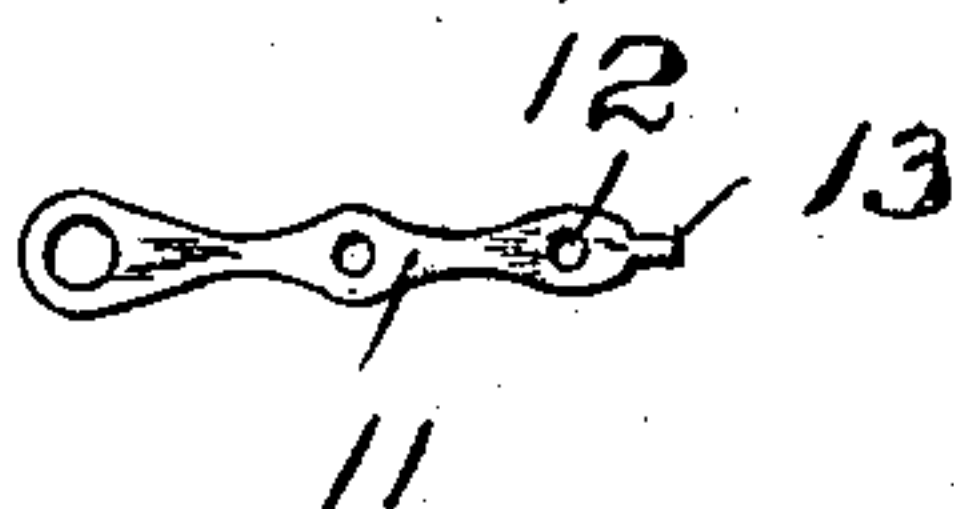


Fig. 7

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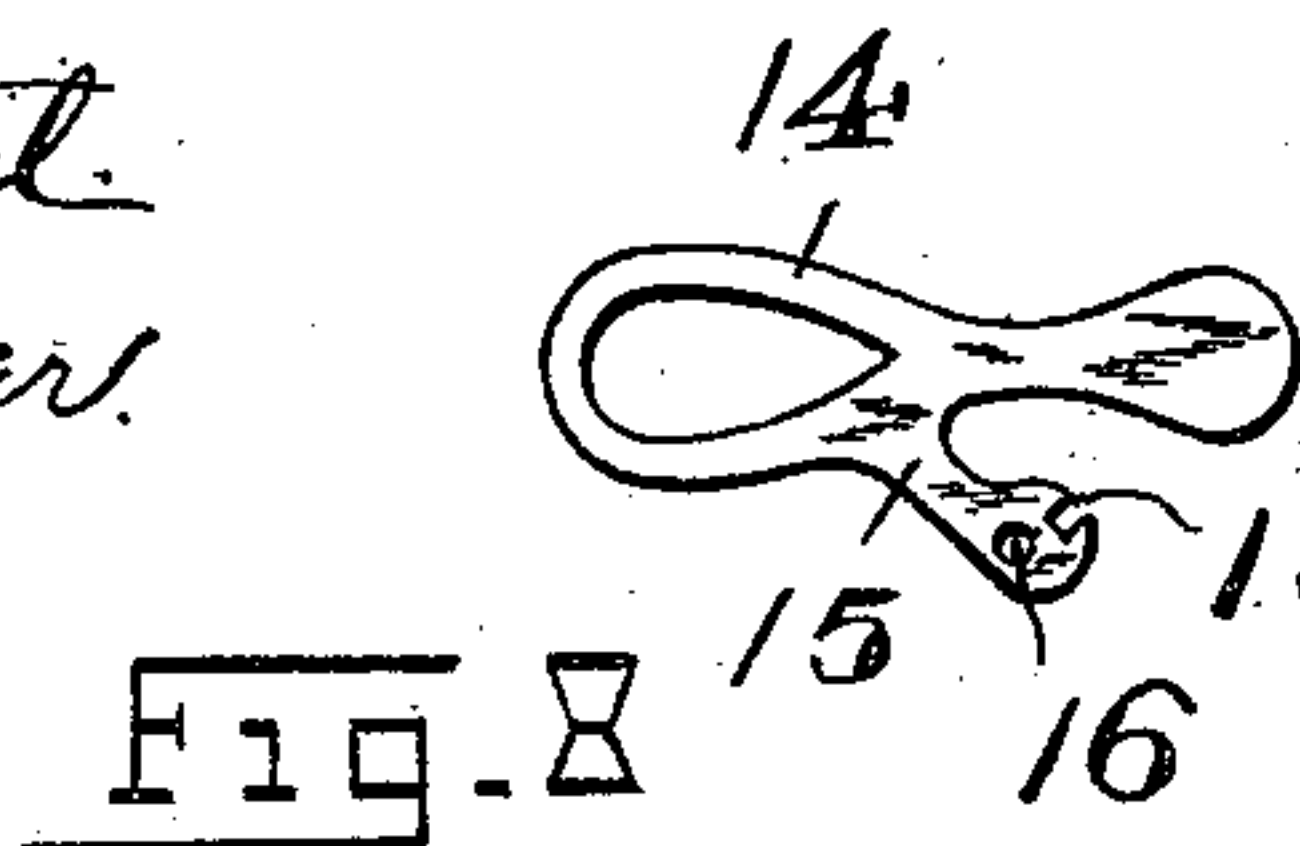


Fig. 8

UNITED STATES PATENT OFFICE.

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EYEGLASSES.

975,367.

Specification of Letters Patent.

Patented Nov. 8, 1910.

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To all whom it may concern:

Be it known that I, GEORGE J. LOWRES, a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, 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, reference being had to the accompanying drawings, and to characters of reference marked thereon, which form a part of this specification.

This invention has reference, generally, to improvements in eye-glasses; and, the invention has reference, more particularly, to improvements in mountings for eye-glasses with a view of providing an eye-glass mounting comprising a bridge and the lens-mounts, each mounting having a supporting arm connected thereto, a nose-guard or grip pivoted to rock on said arm and means for removably securing the nose-guard or grip to said arm.

The invention, therefore, has for its principal object to provide a novel mounting for eye-glasses and novel nose-guards therefor, with a view of providing either an automatic rocking or a fixed guard, as may be desired.

The invention has for its further object to provide a simply constructed and effectively operating nose-guard, the arrangement and construction of the parts being such that each nose-guard will have a rocking or oscillatory motion, so as to readily adapt itself to the contour of the nose of the wearer, or may be secured in a fixed position with relation to the pivotally attached and spring-controlled member or element for attaching the nose-guard to the bridge of the mounting.

Other objects of this invention not at this time more particularly enumerated will be clearly evident from the following detailed description of my present invention.

With these various objects of my present invention in view, the present invention consists, primarily, in the novel mounting for eye-glasses and automatically rocking or fixed nose-guard grip therefor; and, the invention consists, furthermore, in the novel arrangements and combinations of devices and parts, as well as in the details of the construction of the same, all of which will

be hereinafter more fully described, and then finally embodied in the clauses of the claim which are appended to and which form an essential part of this specification.

The invention is clearly illustrated in the accompanying drawings, in which:—

Figure 1 is a top edge view of a pair of glasses, showing particularly in plan view the mounting embodying the principles of my present invention; and Fig. 2 is a view of the parts shown in said Fig. 1, looking in the direction of the arrow *x* in said figure. Fig. 3 is a vertical sectional representation, taken on line 3—3 in Fig. 2, looking in the direction of the arrow *y*, said section being made on an enlarged scale. Fig. 4 is a transverse sectional representation, taken on line 4—4 in said Fig. 3, looking in the direction of the arrow *z*, said section being made on a still larger scale. Fig. 5 is a detail section taken on line 5—5 in said Fig. 4, looking in the direction of the arrow *u*, said view showing the connected portions of the nose-guard in their fixed relation; and Fig. 6 is a similar sectional representation of the same parts illustrated in said Fig. 5, said view representing the said parts in their movably connected or oscillatory relation. Figs. 7 and 8 are views representing the blanks of the two nose-guard members or elements in their detached relation, before being bent into their proper shape for assemblage in the complete mounting.

Similar characters of reference are employed in the above described views, to indicate corresponding parts.

Referring now to the said drawings, the reference-character 1 indicates the complete eye-glass mounting, the same comprising a suitably bent or curved nose or bridge-piece 2, which is suitably bent at its respective ends, so as to provide a pair of end-members 3, each end-member being provided with straps, as 4, between which are mounted and suitably secured, the lenses 5. Extending upwardly from said end-members 3 are pivot posts or studs 6, and pivotally arranged upon said posts, so as to be capable of oscillatory movement upon each end-member 3, are suitable connecting fixtures comprising supporting arms or attaching elements 7, said elements being spring-controlled by the action of suitable springs formed with the coils 8 which encircle the studs or posts 6, and have their free end-portions 9 and 10 re-

spectively bearing upon the straps 4 and against the side-edges of the elements 7, substantially in the manner indicated more particularly in Fig. 2 of the drawings, for normally forcing the two nose-guards or grips in opposite directions toward the central vertical plane at right angles across the nose-piece or bridge 2, in the directions of the two arrows v and v' , shown in said Fig. 2 of the drawings, so as to enable the wearer to readily place the mounting upon the nose.

Each element or member 7, as will be evident from an inspection of the several figures of the drawings, is made with an end-portion 11 in which there is a hole or perforation 12, and extending from the marginal edge of said portion 11 and in alinement with the longitudinal central axis of said element or member 7 is a stud-like projection or finger 13, substantially as shown and for the purposes to be presently more fully described. The said perforated end-portion 11 is angularly bent, substantially as shown in the several figures of the drawings, and resting upon each angularly bent portion 11 is the correspondingly angularly bent extension or member 15 of a suitably formed nose-grip or guard 14. The said extension or member 15 of each nose-grip or guard 14 is made with a perforation or hole 16, adapted to register with the hole or perforation 12 in the portion 11 of the member or element 7, the parts being pivotally connected by means of a pivot 17. The said extension or member 15 is also made with a cut-away part 18, for the purposes to be presently more fully described.

From an inspection of Fig. 6 of the drawings, it will be seen, that when the extension or member 15 of the nose-grip or guard 14 has been pivotally attached to the perforated end-portion 11, by means of the pivot 17, and the stud-like projection or finger 13 is not bent over into the cut-away part 18 of the extension or member 15, the nose-grip or guard can move or oscillate, as may be desired, so as to automatically adapt itself to any shape or contour of nose; but, when the nose-grip or guard is to be fixed so as to remain stationary with relation to the element or member 7, then all that is necessary is to bend the stud-like projection or finger 13 at an angle and cause it to register with the cut-away part 18, as clearly shown in Figs. 1, 2, 4 and 5 of the drawings, thus preventing any oscillatory movement of the parts, as will be clearly evident.

It will also be evident, that the nose-grips or guards can be quickly and easily removed from their connected relation with the mounting, without being compelled to disturb the positions of the other parts of the mounting, when it is desired to replace one style and size of nose-guard by a different style and size of nose-guard, according to

the kind of nose upon which the mounting is to be worn.

From the foregoing description of my present invention it will be clearly seen that I have devised a neat, simple and easily manipulated mounting for eye-glasses provided with nose-guards or grips which are capable of oscillatory movements, so as to automatically and readily adapt themselves to different shapes of noses, but which may also be arranged in fixed or immovable positions, if desired.

I am fully aware that changes may be made in the arrangements and combinations of the devices and parts as set forth in the foregoing specification, as well as in the details of the construction of the same, without departing from the scope of my present invention, as defined in the appended claims. Hence, I do not limit my present invention to the exact arrangements and combinations of the devices and parts as described in the said specification, nor do I confine myself to the exact details of the construction of the said parts as illustrated in the accompanying drawings.

I claim:—

1. In a mounting for eyeglasses, the combination with a bridge and lens-mount, of a supporting arm connected thereto, a nose-grip pivoted to rock on said arm, and means for immovably securing said nose-grip to said arm.

2. In a mounting for eyeglasses, the combination with a bridge and lens-mount, of a supporting arm connected thereto, a nose-grip pivoted to rock on said arm, said nose-grip having an extension provided with a cut-away portion, and means connected with said supporting arm adapted to be brought in engagement with said cut-away portion for immovably securing said nose-grip to said arm.

3. In a mounting for eyeglasses, the combination with a bridge and lens-mount, of a supporting arm connected thereto, a nose-grip pivoted to rock on said arm, said nose-grip having an extension provided with a cut-away portion, and a finger extending from said supporting arm adapted to be bent into and brought in engagement with said cut-away portion for immovably securing said nose-grip to said arm.

4. In a mounting for eye-glasses, the combination with a bridge and lens-mount, of a supporting arm connected thereto, said arm being provided with an angular part, a nose-grip having an extension provided with an angular part, a means of pivotal connection between said angular parts so that the nose-grip is adapted to rock on said arm, and means for immovably securing said nose-grip to said arm.

5. In a mounting for eye-glasses, the combination with a bridge and lens-mount, of a

supporting arm connected thereto, said arm being provided with an angular part, a nose-grip having an extension provided with an angular part, a means of pivotal connection between said angular parts so that the nose-grip is adapted to rock on said arm, the angular part of said nose-grip being provided with a cut-away portion, and means connected with the angular part of said supporting arm adapted to be brought in engagement with said cut-away portion for immovably securing said nose-grip to said arm.

6. In a mounting for eye-glasses, the combination with a bridge and lens-mount, of a supporting arm connected thereto, said arm being provided with an angular part, a nose-grip having an extension provided with an angular part, a means of pivotal connection between said angular parts so that the nose-grip is adapted to rock on said arm, the angular part of said nose-grip being provided with a cut-away portion, and a finger extending from the marginal edge of the angular part of said supporting arm adapted to be bent and brought in engagement with said cut-away portion for immovably securing said nose-grip to said arm.

7. Eye-glasses having a lens, a strap and means for securing the lens to said strap, a nose-bridge, a connecting fixture pivotally secured to a portion of said bridge, said fixture being provided with an angular part, a

nose-grip, said nose-grip being provided with an angular part adapted to register with the angular part of said fixture, a means of pivotal connection between said angular parts, whereby said nose-grip normally has a rocking motion, and means connected with said angular parts for immovably securing said nose-grip to said fixture.

8. Eye-glasses having a lens, a strap and means for securing the lens to said strap, a nose-bridge, a connecting fixture pivotally secured to a portion of said bridge, said fixture being provided with an angular part, a nose-grip, said nose-grip being provided with an angular part adapted to register with the angular part of said fixture, a means of pivotal connection between said angular parts, whereby said nose-grip normally has a rocking motion, the angular part of said nose-grip being provided with a cut-away portion, and a finger upon the angular part of said fixture extending into and registering with said cut-away portion for immovably securing said nose-grip to said fixture.

In testimony, that I claim the invention set forth above I have hereunto set my hand this 22nd day of September, 1908.

GEORGE J. LOWRES.

Witnesses:

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F. C. W. FRAENTZEL.