T. RAPP.

EYEGLASS MOUNTING.

APPLICATION FILED NOV. 15, 1907.

957,374.

Patented May 10, 1910.

Fig. 1.

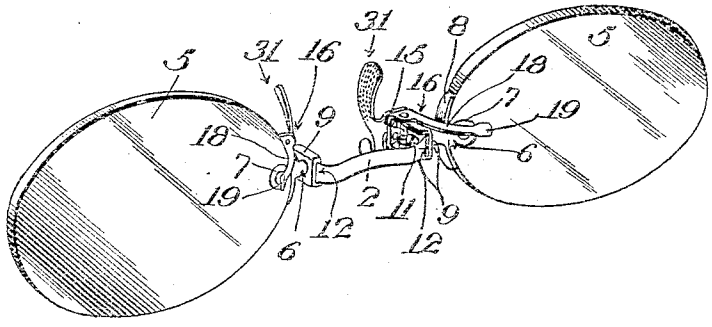



Fig. 2.

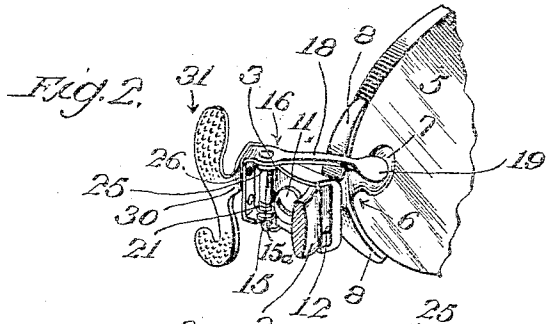
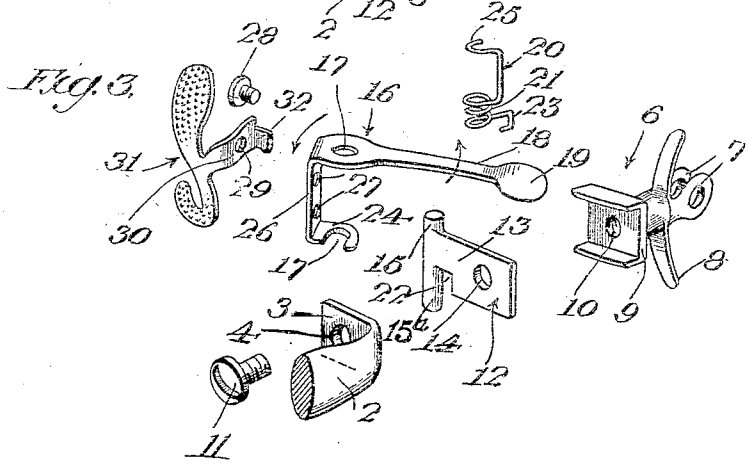



Fig. 3.




Witnesses:

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# UNITED STATES PATENT OFFICE.

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## EYEGLASS-MOUNTING.

957,374. Specification of Letters Patent. **Patented May 10, 1910.**

Application filed November 15, 1907. Serial No. 402,232.

*To all whom it may concern:*

Be it known that I, THEODORE RAPP, of Los Angeles, in the county of Los Angeles and State of California, have invented certain new and useful Improvements in Eyeglass-Mountings; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification, and to the reference-numerals marked thereon.

The present invention relates to eyeglass mountings and more particularly to the type employing a substantially rigid bridging portion with the noseguards mounted to swing thereon, and an object of the invention is to provide a construction in which parts are so formed and arranged that an inconspicuous mounting is obtained.

Another object is to provide a mounting which by adjustment and substitution of the parts may be adapted to any nose.

To these and other ends the invention consists in certain improvements and combinations of parts all as will be hereinafter more fully described, the novel features being pointed out in the claims at the end of the specification.

In the drawings: Figure 1 is a perspective view of a mounting embodying the present improvements; Fig. 2 is an enlarged detail perspective view of one of the guards and proximate portions of the support; and Fig. 3 is an enlarged detached perspective of one of the guards and portions of the support.

In the present embodiment of the invention the lenses 5 are connected by a substantially rigid support comprising preferably lens attaching devices 6 and a bridging portion 2, the former preferably consisting of lens ears 7, edge bearing portions 8, and a horizontally opening box 9 in which the ends 3 of the bridging portion may be secured by a fastener or screw 11 that engages threads on the walls of an opening 10 in the lens attaching device.

The nose guards are each preferably mounted to swing about a vertical or upright axis which may be located to one side of the plane of the lenses, preferably on the rear side. In this instance, each guard is carried by a bracket 12 provided with an eye 14 and held in a box 9 by one of the fasteners 11. This bracket may be offset from the support preferably by being extended in rear of the plane of the lenses and may carry oppositely extending pivots 15 and $15^a$ which are located behind the support or in a horizontal plane with the latter.

Each nose guard preferably embodies a horizontally arranged U shaped member having its arms 16 and 24 projecting forwardly and provided with bearings 17 cooperating with the pivots 15 and $15^a$, the bearing on the arm 24 opening laterally in order to facilitate the removal of the guard. In addition to the U shaped member each guard may embody a nose engaging member 31 formed with upper and lower nose engaging surfaces and having an arm 30 projecting outwardly at an angle to the nose engaging surfaces and secured to the vertical portion 26 of the U shaped member. The guards may each be provided with an operating arm 18 preferably forming a forward continuation of the arm 16 of the U shaped member and having a finger piece 19 at its forward end.

In order that the nose engaging portion of the guard may be raised and lowered relatively to the support to accommodate the mounting to differently formed noses there may be provided a means for effecting an adjustment of the nose engaging portion. This result is preferably effected by providing a plurality of openings 27 in the vertical portion 26 to receive a screw or other fastener that secures the arm 30 to the U shaped member. The fastener 28 also serves as a pivot to permit the nose bearing portion to rock substantially about a horizontal axis in order that the guard may conform to the upward taper of the nose, this rocking movement being limited by a laterally extending projection or stop 32 on the arm 30 coöperating with vertical portion 26.

The springs for positioning the guards, that is, for moving them toward the nose of a wearer, may be in the form of a helix 21 surrounding one of the pivot pins and having a hook 23 at one end of the coil engaging the arm 24. Connected at one end to the coil is a vertical portion 20 extending into engagement with the attaching bracket and having a hook or coil 25 at its other end surrounding the pivot 15. It is apparent from the foregoing that the spring acts between the guard and the bracket to move the former in one direction, its movement in the

other direction being effected by the finger piece 19. The spring also acts in a direction to hold the arm 16 in engagement with pivot 15.

The eyeglasses are fitted to or removed from the nose of a wearer by moving the finger pieces 19 toward each other thus separating the nose bearing portions 30. Upon the release of the finger pieces, the nose bearing portions move toward each other under the action of the springs. To remove a nose guard from its brackets the guard is elevated to compress the coil 23 until the arm 16 is out of engagement with pivot 15 when the guard may be shifted laterally owing to the laterally opening bearing 17. The bracket 12 is of course removed by removing fastener 11. The pivots being carried by rearwardly extending detachable brackets may be brought to and carried away from the support by providing brackets of different lengths, while the position of the nose bearing portions of the guards may be varied by inserting the pivots 28 in other openings 27, these pivots also permitting the guards to conform to the upward taper of a nose.

From the foregoing it will be seen that there has been provided a mounting in which the spring is entirely hidden from view, while an extended bearing for the guard is present without rendering the mounting conspicuous. The parts may be quickly removed for repairs, and they may be changed to adapt the mounting for different noses.

I claim as my invention:

1. In eyeglass mountings, the combination with a support for the lenses, of a nose guard pivoted thereon to turn about an upright axis located in a plane to one side of the plane of the lenses and having a forwardly extending operating portion, the pivot pin being located in a horizontal plane with the support.

2. In eyeglass mountings, the combination with a support for the lenses, of a nose guard pivoted thereon to turn about an upright axis located in a plane in rear of the lenses and having a forwardly extending operating portion, the pivot pin being located behind the support in a horizontal plane therewith.

3. In eyeglass mountings, the combination with a support for the lenses, of a bracket extending horizontally from the support to one side of the plane of the lenses and a nose guard mounted to turn on the bracket about an upright axis in a plane to one side of the plane of the lenses.

4. In eyeglass mountings, the combination with a support for the lenses, of a bracket extending rearwardly from the support, and a nose guard mounted to turn on the bracket about an upright axis in rear of the plane of the lenses.

5. In an eyeglass mounting, the combination with a support for the lenses embodying a lens attaching device having a box and a bridging portion secured in the box, of a bracket secured in the box and extending horizontally to one side of the plane of the lenses, and a nose guard mounted to turn about an upright axis on the bracket to one side of the plane of the lenses.

6. In eyeglass mountings, the combination with a lens attaching device having a horizontally arranged box and a bridging portion having an end secured in the box, of a bracket secured in the box and extending horizontally from the plane of the lenses and nose guards mounted to turn on the bracket about axes located in a plane to one side of the plane of the lenses.

7. In eyeglass mountings, the combination with a lens attaching device having a horizontally arranged box and a bridging portion having an end secured in the box, of a bracket also secured in the box and extending rearwardly, and a nose guard mounted to turn on the bracket about an axis in rear of the plane of the lenses.

8. In eyeglass mountings, the combination with a support for the lenses, of a nose guard, and a pivot pin for the guard arranged behind the support in a horizontal plane therewith.

9. In an eyeglass mounting, the combination with a support for the lenses embodying a bridging portion and a lens attaching device having a box in which the bridging portion is secured and from which the latter proceeds horizontally, of a bracket having a portion arranged in the box and also having a pair of oppositely extending pivots, and a nose guard mounted to turn on both of said pivots.

10. In eyeglass mountings, the combination with a support for the lenses, of oppositely extending pivot pins arranged in rear of the support, and a nose guard coöperating with said pivot pins.

11. In an eyeglass mounting, the combination with a substantially rigid support for the lenses, of a nose guard embodying an upright portion, forwardly projecting arms each pivotally connected to the support, and a nose bearing portion carried by the upright portion.

12. In eyeglass mountings, the combination with a support for the lenses, of oppositely extending pivot pins carried with the support, and a nose guard having an upright portion in rear of the pivot pins provided with forwardly projecting bearing arms cooperating with the pivot pins, and a nose bearing portion carried by the upright portion.

13. In eyeglass mountings, the combination with a support for the lenses, of a pair of oppositely extending pivot pins arranged behind the support, and a nose guard embodying a U shaped member arranged hori-

zontally with its arms projecting forwardly and coöperating with the oppositely extending pivot pins, and a nose bearing portion carried by the U shaped member.

14. In eyeglass mountings, the combination with a support for the lenses, of a pair of oppositely extending pivot pins carried by the support, and a nose guard embodying a U shaped member arranged horizontally with its arms projecting forwardly and coöperating with the oppositely extending pivot pins, a nose bearing portion carried by the U shaped member, and an extension on one of said arms of the U shaped member serving as a finger piece.

15. In eyeglass mountings, the combination with a support for the lenses, and a pair of oppositely extending pivot pins carried thereby, of a guard having a pair of arms provided with bearings to receive the pivot pins, one of said bearings opening laterally.

16. In an eyeglass mounting, the combination with a support for the lenses, of a nose guard embodying a lever pivotally mounted thereon to turn about an upright axis and carrying a vertical portion, and a nose bearing member having an arm extending at an angle thereto pivoted to the vertical portion and provided with a laterally projecting stop coöperating with the vertical portion.

17. In an eyeglass mounting, the combination with a support for the lenses, of a nose guard mounted to swing on the support substantially in a horizontal plane and having its nose pads vertically adjustable relatively to the support.

18. In an eyeglass mounting, the combination with a support, of a nose guard embodying a member pivotally mounted on the support, a nose bearing portion embodying upper and lower nose engaging pads, and means permitting the vertical adjustment of said nose bearing portion on the pivotally mounted member.

19. In an eyeglass mounting, the combination with a support, of a nose guard embodying a vertically extending portion pivoted to the support to turn about a vertical axis, a nose bearing portion, and means permitting the vertical adjustment of said nose bearing portion on the vertically extending portion.

20. In an eyeglass mounting, the combination with a support, of a nose guard embodying a member pivoted to the support, and provided with a plurality of openings, a nose bearing portion, and a fastener arranged to enter any one of said openings to retain the nose bearing portion to the pivoted member.

21. In an eyeglass mounting, the combination with a support, of a nose guard embodying a member pivoted to the support, a nose bearing portion and a pivot pin for the nose bearing portion adjustable on the pivoted member to change the position of the nose bearing member relatively to the pivoted member.

In witness that I claim the foregoing I have hereunto subscribed my name this 7th day of November, 1907.

THEODORE RAPP.

Witnesses:
EDMUND A. STRAUSE,
OLLIE PALMER.