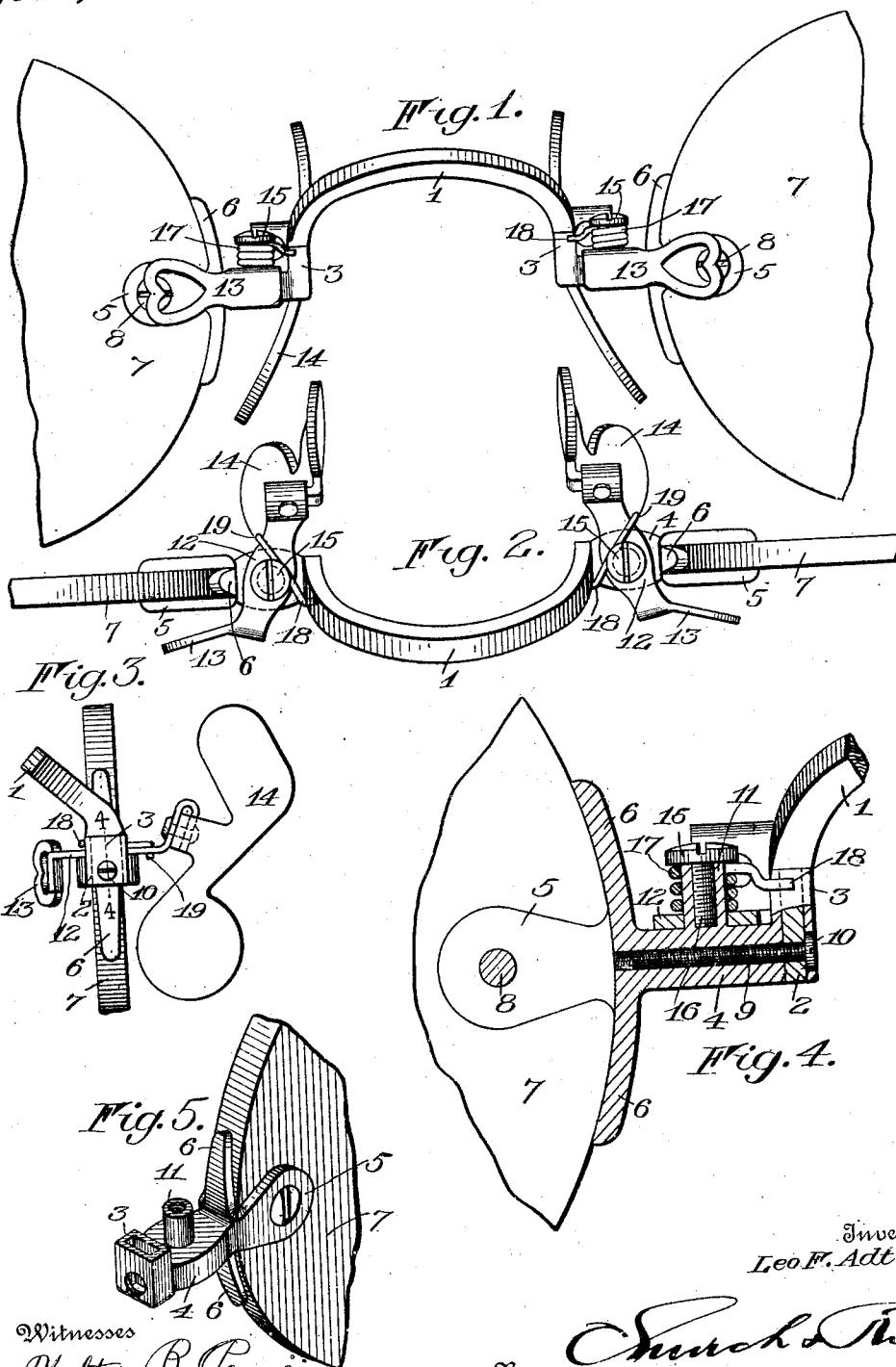


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1,040,102.



Witnesses

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EYEGLASSES.

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To all whom it may concern:

Be it known that I, LEO F. ADT, of Albany, in the county of Albany 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 same, reference being had to the accompanying drawings, forming a part of this specification, and to the reference-numerals marked thereon.

My present invention relates to eyeglasses, and it has for its object to provide a mounting of the finger piece type embodying an improved construction of the parts which offer a bearing for the pivoting of the guard.

My invention has for its further object to provide such a bearing in a mounting involving a detachable bridge without either interfering with the fastening of the bridge or so complicating the structure as to impart to the mounting, generally, an unsightly appearance.

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 front elevation of an eyeglass mounting constructed in accordance with and illustrating one embodiment of my invention; Fig. 2 is a top plan view thereof; Fig. 3 is a transverse central vertical section through the bridge; Fig. 4 is a vertical section through the lens attaching portion and adjacent parts taken in the plane of the lenses substantially on the line 4-4 of Fig. 3, and Fig. 5 is a detail perspective view of the lens attaching portion.

Similar reference numerals throughout the several figures indicate the same parts. Features of this invention have reference to eyeglasses embodying bridges detachable from the rest of the mounting to enable the optician to interchange bridges varying in lengths or contour without otherwise disturbing the mounting while fitting the eyeglass to an individual and in the present embodiment of the invention such an eyeglass is illustrated. The bridging portion 1 thereof forms, in the present instance, a vertical though slightly forwardly inclined arch, the ends 2 of which are preferably re-

duced to fit snugly within vertically opening boxes 3 at the inner ends of lens attaching portions 4, the outer extremities of which are provided with the usual lugs 5 and ears 6 for attachment to the lens 7 with the screw 8 or with any preferred form of lens connection.

A fastener at each side rigidly connects the bridging portion 1 and lens attaching portion 2 and such fastener, in the present instance, embodies a screw 9, the head 10 of which is admitted through the inner wall of the box 3 to engage the bridge end 2 while the shank passes horizontally through the latter and centrally into the lens attaching portion 4 substantially in the plane of the lens and toward the adjacent lens or the lens engaging faces of the ears 6.

Arranged between the lens and the arch of the bridge on each lens attaching portion is a preferably integral post 11 which, in the present instance, extends vertically upward therefrom and forms a pivot or bearing about which turns the nose guard 12 disposed forwardly and rearwardly of the mounting as usual. The forward end is provided with a finger piece 13 while the rear end carries a nose engaging element 14. The guard preferably turns in engagement with the lens attaching portion between the latter and the head 15 of a fastener 16 herein shown in the form of a screw threaded longitudinally into the post but the operating spring 17 for the guard is, in the present instance, also coiled about the post being interposed between the guard and the overhanging shoulder formed by the head of the fastener which detachably retains both it and the guard in place. One end 18 of the spring bears against the bridge 1, in the present embodiment, while the other end has a free engagement with the guard at 19.

The post 11 and fastener 16 are preferably arranged in the plane of the fastener 9 in order that the depth of the lens attaching portion from front to rear may be minimized, but the fastener 16 terminates short of the fastener 9 being spaced well away from it through the provision of the post and the bearing or bore of one fastener therefore does not weaken that of the other. Notwithstanding this fact, however, the following advantages are present; the fastener 9 that connects the bridge and lens attaching portions passes centrally of the latter and has a long and continuous bearing therein that

may extend to the lens itself promoting strength and reducing any tendency toward stripping of the threads; the bridge may be detached without disturbing the guard and the guard similarly treated independently of the bridge; the fastener 16 is also provided with an extended bearing through the provision of the post without interfering with the fastener 9 or weakening the supporting part; a seat of fixed extent is provided for both the guard and spring with the employment of an ordinary headed screw and withal, the apparent mass of the lens attaching portion is not increased to produce the disadvantage common to many finger piece mountings which resides in the employment of too much structure at this point.

I claim as my invention:

1. In an eyeglass mounting, the combination with an arched bridging portion and a lens attaching portion separate therefrom, of a separable fastener connecting the parts together and a nose guard pivotally mounted on the lens attaching portion, independently of such connection, at a point in the plane of the lens between the arch of the bridging portion and the lens comprising a lever movable relatively to both parts and having a finger piece at its forward end and a nose engaging portion at its rear end.
2. In an eyeglass mounting, the combination with a lens attaching portion provided with a box and an arched bridging portion having its end cooperating with the box, of a separable fastener connecting the bridge end and the box and a nose guard pivotally mounted on the lens attaching portion, independently of such connection, at a point in the plane of the lens between the arch of the bridging portion and the lens comprising a lever movable relatively to both parts and having a finger piece at its forward end and a nose engaging portion at its rear end.
3. In an eyeglass mounting, the combination with a lens attaching portion and an arched bridging portion separate therefrom, of a separable fastener for connecting said parts, a post on the lens attaching portion formed integrally therewith and arranged at a point between the arch of the bridging portion and the lens, and a nose guard pivoted on the post.

4. In an eyeglass mounting, the combination with an arched bridging portion and a lens attaching portion separate therefrom, of a threaded fastener connecting the parts together and extending horizontally, a second vertically extending fastener carried on the lens attaching portion in the plane of the lenses between the arch of the bridge and the adjacent lens and connected to the lens attaching portion independently of the connection between the latter and the bridge, and a pivoted finger piece nose guard secured by said last mentioned fastener.

5. In an eyeglass mounting, the combination with a lens attaching portion and a bridging portion separate therefrom, of a fastener connecting said parts together and extending into the lens attaching portion, a post on the latter lying transversely of the fastener, a second headed fastener secured in the post and a nose guard turning on the post at a point intermediate the head of such fastener and the lens attaching portion.

6. In an eyeglass mounting, the combination with a lens attaching portion and a bridging portion separate therefrom, of a fastener connecting said parts together and extending horizontally into the lens attaching portion in the plane of the lenses, a vertically extending post on the lens attaching portion, a headed fastener secured in the post and a nose guard turning on the latter at a point intermediate the head of such fastener and the lens attaching portion.

7. In an eyeglass mounting, the combination with a lens attaching portion and a bridging portion separate therefrom, of a fastener connecting said parts together and extending horizontally into the lens attaching portion in the plane of the lenses, a vertically extending post on the lens attaching portion, a headed fastener secured in the post to extend longitudinally through the same transversely of and in the same plane with the first mentioned fastener but terminating short of the latter and a nose guard turning on the post at a point intermediate the head of the fastener and the lens attaching portion.

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