G. S. ROW.

LENS FASTENING FOR NOSE GLASSES.

APPLICATION FILED OCT. 1, 1909.

973,215. Patented Oct. 18, 1910.

Fig. 1.

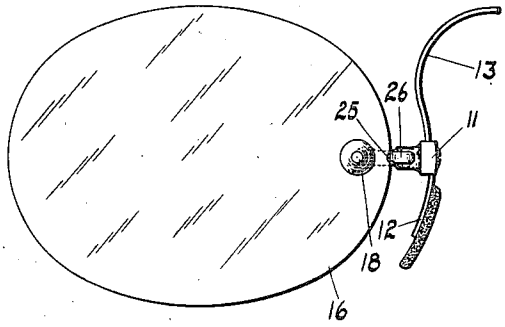


Fig. 3.

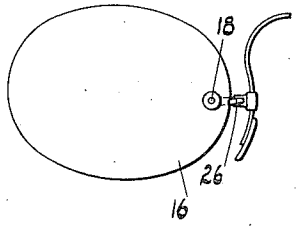


Fig. 4.

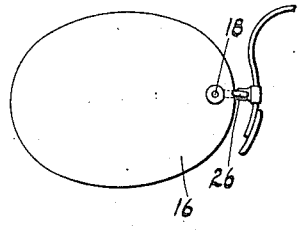
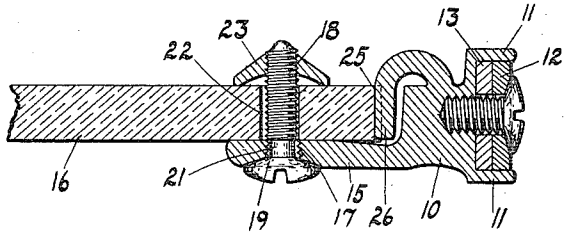


Fig. 2.



Witnesses
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UNITED STATES PATENT OFFICE.

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LENS-FASTENING FOR NOSE-GLASSES.

973,215. Specification of Letters Patent. Patented Oct. 18, 1910.

Application filed October 1, 1909. Serial No. 520,510.

To all whom it may concern:

Be it known that I, GEORGE S. ROW, a citizen of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented certain new and useful Improvements in Lens-Fastenings for Nose-Glasses, of which the following is a specification.

The object of my invention is to produce a simple yet efficient fastening by means of which a lens may be readily attached to a frame, and properly easily adjusted thereon, the construction being such that the parts will have a sufficient amount of flexibility to prevent accidental cracking of the lens and also such that the screw cannot become readily separated from the frame.

The accompanying drawings illustrate my invention.

Figure 1 is an elevation about double size of one-half of an eye glass structure fitted with my improvement; Fig. 2 an axial section on a very enlarged scale, and Figs. 3 and 4 diagrams illustrating the manner of adjustment of the lens.

The fitting comprises a main body or post 10 having the usual box 11 for the reception of the nose piece holder 12 and a spring 13. Projecting from shank 10 is a clamping ear 15 adapted to extend over a portion of the surface of the lens 16 and this ear 15 is provided with a threaded opening 17 through which may be passed the threaded portion 18 of the holding screw 19, said holding screw, immediately beneath the head, being ensmalled at 21 to a diameter slightly less than the smallest internal diameter of threads 17, this ensmalled portion having an axial extent sufficient to extend through ear 15. The lens 16 is provided with the usual perforation 22 through which the threaded portion 18 of screw 19 may readily pass, and at its free end the threaded portion 18 of screw 19 is adapted to receive a cup-shaped nut 23 adapted to bear upon the opposite face of lens 16. At that portion of its edge immediately adjacent post 10 lens 16 is provided with a shallow notch 25 which is adapted to receive the free end of a finger 26 which is preferably formed integral with post 10 opposite the ear 15 and bent toward said ear 15, as clearly shown in Fig. 2, the arrangement being such that the finger 26 may be readily bent toward or from the axis of screw 19, so that the lens may be crowded tightly between said screw and the finger 26; and may be also bent to either side of the axis of the fitting so as to thus swing the lens upon screw 18 as a pivot and thus adjust the angle of the lens relative to the fitting, as clearly illustrated in Figs. 3 and 4.

In operation the screw 19 has its threaded portion passed through the threaded perforation 17 of ear 15 until the ensmalled portion 21 lies within the threaded opening 17 whereupon screw 19 may be turned in either direction without producing any axial movement of the screw. This construction renders it impossible for the screw 19 to be accidentally lost yet it is always possible by exerting a slight axial pressure upon the threaded end of the screw to cause an engagement of the threads 18 with the threads 17 and thus permit a total withdrawal of the screw. Finger 26 is then bent toward or from the axis of screw 19 to just accommodate that portion of the lens which lies between the perforation 22 and the bottom of notch 25 and the lens is then forced into place so as to produce a slight backward springing of finger 26. Nut 23 is then placed upon the threads 18 and the screw 19 properly turned to bring the nut 23 down tightly upon the lens and hold it firmly in place. If the angle of the lens relative to the fitting needs to be adjusted the nut 23 is loosened slightly and then, with a pair of pliers, the free end of finger 26 is twisted to one side or the other of the axis of the post 10 so as to thus swing the lens upon pin 18 as a pivot. When the proper adjustment has been attained the nut 23 is brought down upon the lens as already described.

I claim as my invention:

1. A rimless lens fitting comprising a main post, a projecting lens-receiving ear, means for fastening a lens to said ear, and a transversely adjustable projecting finger carried by the main post and adapted to enter a notch formed in the adjacent edge of the lens, the free end of said finger being transversely shiftable in the line of the adjacent edge of the lens.

2. A rimless lens fitting comprising a main post, a projecting lens-receiving ear, means for fastening a lens to said ear, and a transversely adjustable projecting portion carried by the main post and adapted to enter a notch formed in the adjacent edge of the lens, said adjustable projecting portion being in the form of a bendable arm extending

transversely across the edge of the lens and transversely shiftable in the line of the adjacent edge of the lens.

3. A rimless lens fitting comprising a main post having a projecting lens-receiving ear having a threaded opening, a clamping screw threaded through said threaded opening and having an ensmalled portion immediately beneath its head adapted to rotate loosely within the threaded opening of the lens receiving ear, and a nut carried upon the threaded end of said screw.

4. A rimless lens fitting comprising a main post having a projecting lens-receiving ear having a threaded opening, a clamping screw threaded through said threaded opening and having an ensmalled portion immediately beneath its head adapted to rotate loosely within the threaded opening of the lens-receiving ear, a nut carried upon the threaded end of said screw, and a bendable finger carried by the post and having its free end lying substantially parallel with said screw and adapted to lie within a notch formed in the edge of the lens, said free end being transversely shiftable in the line of the adjacent edge of the lens.

In witness whereof, I have hereunto set my hand and seal at Indianapolis, Indiana, this 28th day of September, A D. one thousand nine hundred and nine

GEORGE S. ROW. [L. S.]

Witnesses:
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