D. D. HUBBELL.

SHOOTING GLASSES.

APPLICATION FILED AUG. 28, 1913.

1,092,769. Patented Apr. 7, 1914.

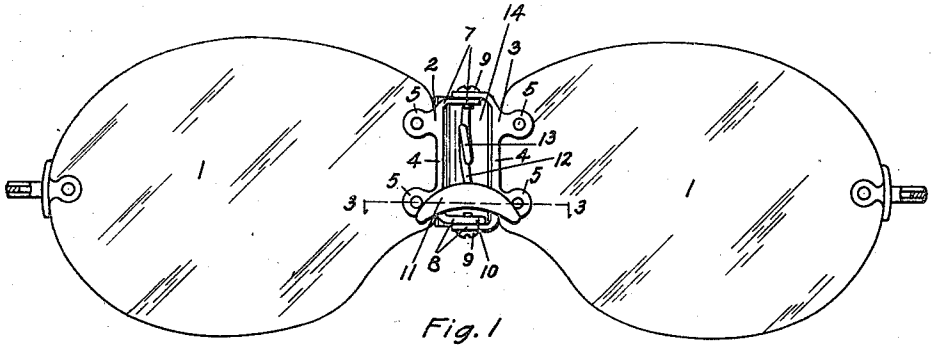


Fig. 1

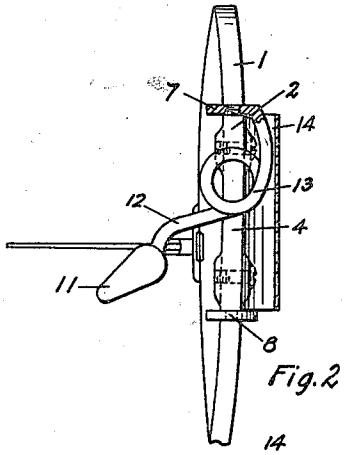


Fig. 2

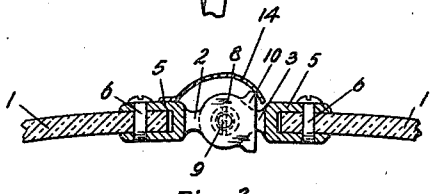


Fig. 3

Witnesses

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UNITED STATES PATENT OFFICE.

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SHOOTING-GLASSES.

1,092,769. Specification of Letters Patent. Patented Apr. 7, 1914.

Application filed August 28, 1913. Serial No. 787,217.

To all whom it may concern:

Be it known that I, DANIEL D. HUBBELL, a citizen of the United States, residing at Columbus, in the county of Franklin and State of Ohio, have invented certain new and useful Improvements in Shooting-Glasses, of which the following is a specification.

My invention relates to shooting glasses or automobile goggles of the type which may be readily carried about within the ordinary casing.

In carrying out my invention I have provided a number of novel features among these being a peculiar pivotal mounting between the lenses themselves. This mounting preferably includes laterally projecting arms at the top and bottom ends of the lens clamping members, these arms being centrally apertured for the reception of pivotal means. By this construction I have devised a type of connection which is inherently rigid and one in which the lenses can always be made to occupy the same relative positions. It is desirable to have the two lenses pivotally connected to each other in order that they may assume an arcuate position when in use and a flat position when placed within the casing. The assumption of this flat position obviates the use of an arcuate casing as will be readily understood. However, it frequently happens the lenses may become broken when their pivotal connection is such that they may fold over each other. I have, therefore, provided a construction for limiting this pivotal movement, and this construction preferably takes the form of a peculiar construction of one of the projecting arms.

Another object of my invention is to provide an adjustable nose-piece, this nose-piece being mounted so as to not interfere with the limited pivotal movements of the lenses and preferably carried by one of the clamp members. The adjustability is preferably attained by providing a coiled wire connection between the nose-piece and the lens clamping members.

Other objects of my invention will become more apparent from a further detailed description of the accompanying drawings in which similar characters of reference designate corresponding parts and in which:

Figure 1, is a front elevation of a pair of automobile goggles embodying my invention. Fig. 2, is an end view of the lefthand lens with its mounting as shown in Fig. 1 and with a portion of the structure in section and, Fig. 3 is a section taken on line 3—3 of Fig. 1 and looking in the direction of the arrows.

In carrying out my invention, I have shown two lenses 1 connected to each other by coöperating clamping members 2 and 3. These clamp members are formed of vertical stems 4 carrying bifurcated projections 5 for embracing attachment to each of the lenses 1 by the screw construction 6. At both the top and bottom ends of each clamp member, there are provided laterally projecting arms 7 and 8, all of these arms being centrally apertured for the reception of pins 9. It will be understood that the projecting arms on the member 3 are plain while those of the member 2 are tapped, whereby the screws 9 may be securely held in position.

By reference to Fig. 3, it will be noted that arm 8 of the member 4 is provided with an enlarged straight-cut portion 10. This straight-cut portion is adapted to lie parallel with the inner wall of the vertical stem of the member 3 when the lenses have assumed the arcuate positions comfortable to the wearer. When the glasses are not in use, they may be grasped to permit free pivotal movement of the lenses which may result in their breakage. I have therefore provided this portion 10 to limit the pivotal movement by its engagement with the member 3 to prevent excessive pivotal movement.

In order that the public in general may adjust these glasses to their own desires, I have provided a nose-piece 11 of the well known type, this nose-piece being connected to the glasses through the medium of a wire 12 attached to the nose-piece at one end and, preferably, to one of the lateral arm projections of the clamping members at its other end, this wire connection being formed with a coil 13. It will be noted that by means of this coil 13, the nose-piece itself may be adjusted forwardly or rearwardly, up or down or sidewise as may be desired.

I have found that dust and dirt may enter the eyes of the wearer under some conditions by passing through the place between the two lenses. Also, when the glasses are put to certain uses the passage of a light ray through this place is sometimes undesirable. I have, therefore, provided the clamp mem-

ber 2 with a shield 14 designed to overlap the place between the lenses and to overcome the objections noted. This shield 14 may be attached in any desired manner, and is desirably given a regular curve to permit the free pivotal movement of the 2 lenses for this structure use.

What I claim is:

1. In a device of the class described, the combination with a pair of coöperating lenses, of a pair of clamp members secured one to each of said lenses, a centrally apertured arm extending laterally from the upper and lower ends of each of said members, pivoting means adapted to unite said members by passing through said apertures, a nose-piece, and a coiled wire connection attached to said nose-piece and to one of said members.

2. In a device of the class described, the combination with a pair of coöperating lenses, of a pair of complemental hinge members secured one to each of said lenses, and a nose-piece mounted on one of said members.

3. In a device of the class described, the combination with a pair of coöperating lenses slightly spaced from each other, a pair of clamp members secured one to each of said lenses and to each other, and a shield member carried by one of said clamp members, and designed to cover the space formed by the connecting structure between said lenses.

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

DANIEL D. HUBBELL.

Witnesses:

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L. W. FROST.