Aug. 17, 1926.

1,596,019

S. NELSON

EYEGLASSES OR GOGGLES

Filed March 30, 1926

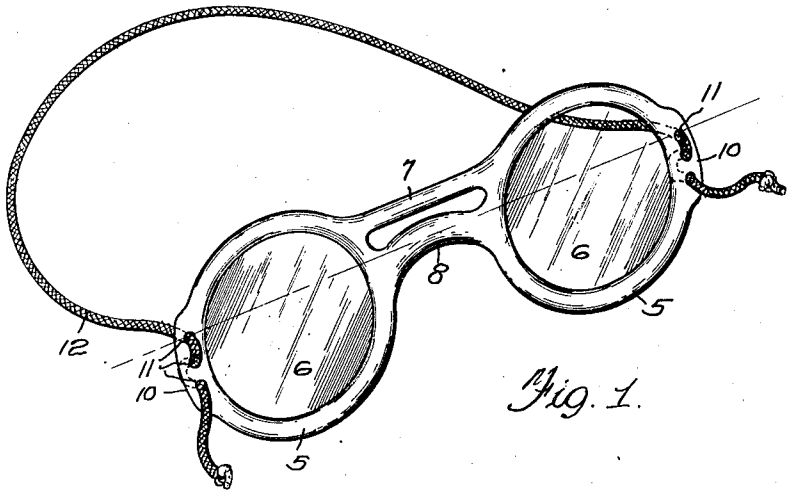


Fig. 1.

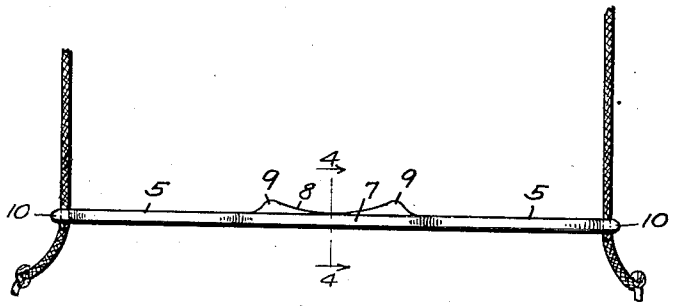


Fig. 2.

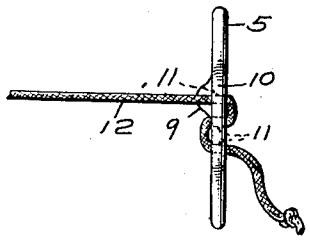


Fig. 3.

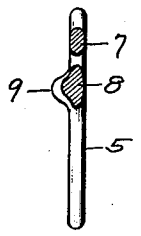


Fig. 4.

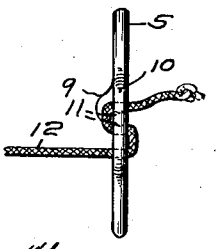


Fig. 5.

Inventor

SAMUEL NELSON,

By P. J. Hilburne

Attorney

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UNITED STATES PATENT OFFICE.

SAMUEL NELSON, OF WATERLOO, IOWA.

EYEGLASSES OR GOGGLES.

Application filed March 30, 1926. Serial No. 98,609.

My invention relates to improvements in eye glasses or goggles.

An important object of the invention is to provide means whereby the head encircling band may be adjustably secured to the lens frames, to permit of longitudinal adjustment of the band and to also permit of the points of connection of the band with the lens frames being arranged at different elevations.

A further object of the invention is to improve the construction of the device in general and rendering it more efficient and convenient in use.

Other objects and advantages of the invention will be apparent during the course of the following description.

In the drawings, forming a part of this specification, and in which like numerals are employed to designate like parts throughout the same:—

Figure 1 is a perspective view of the eye glasses or goggles embodying the invention,

Figure 2 is a plan view of the same,

Figure 3 is an end elevation of the same,

Figure 4 is a transverse section taken on line 4—4 of Figure 2 and,

Figure 5 is an end elevation of the goggles or glasses, showing the band passed first through the lowermost aperture.

In the drawings, wherein for the purpose of illustration, is shown a preferred embodiment of my invention, the numeral 5 designates a pair of lens frames, which are preferably circular and receive the lens or glasses 6. The numeral 7 designates a preferably straight forehead engaging bar, mounted between the frames 5 near their tops and rigidly connected therewith. This bar is above the centers of the lens frames 5. Arranged beneath the bar 7 is a nose bridge 8, preferably integral with the lens frames 5, and spaced beneath the bar 7. The front side of this nose bridge is substantially flat while its rear side is wholly longitudinally concave, producing lugs 9, Figure 2.

Preferably formed integral with the outer sides of the lens frames 5 are substantially vertical lugs 10, having apertures 11. These apertures are arranged perpendicular to the surfaces of the lens 6, as shown.

The numeral 12 designates a preferably elastic head encircling band. the ends of which are adapted to be passed through the sets of apertures 11, and to be thereby secured to the lens frames 5. I have found that satisfactory results are obtainable by employing three of these apertures in one set. By the use of these apertures, the band 12 may be permanently longitudinally adjusted with respect to the lens frames. Also, the band 12 may be first passed through the lowermost aperture in the set, instead of through the uppermost aperture, and this will adjust the point of connection between the band and the lens frame, in a different elevation.

The apertures 11 in the sets are arranged in a substantially vertical row and are accordingly at different elevations. I prefer to arrange the uppermost aperture in the sets at an elevation with the central longitudinal axis of the nose bridge 8. Hence the band may be attached to the lens frames at this elevation, or at elevations beneath it, depending upon the manner in which the band is passed through the apertures in the sets.

When the eye glasses or goggles are being used, the band 12 is passed about the head and the nose bridge 8 engages upon the nose, while the bar 7 rests upon the forehead. The pull from the band 12 is transmitted to the nose bridge 8 and also to the bar 7, and this bar properly distributes the pull to the forehead. In some instances, it is desirable to increase the pull upon the nose bridge, which is effected by the lowered operative connection of the ends of the band 12 with the lens frames 5. After the desired adjustment of the band 12 is had, the ends of the band may be cut off close to the lugs 10, and there will be no tendency to pull out of the sets of apertures.

It is to be understood that the form of my invention, herewith shown and described, is to be taken as a preferred example of the same, and that various changes in the shape, size and arrangement of parts may be resorted to without departing from the spirit of my invention or the scope of the subjoined claim.

Having thus described my invention, I claim:—

Eye glasses or goggles comprising a pair of frames, a forehead engaging bar connecting the upper portions of the frames, a nose bridge connecting the frames and arranged beneath said bar, said frames being provided at their outer sides with outwardly projecting lugs, said lugs having sets of ver-

tically spaced transverse apertures, there being at least three apertures in each set and the apertures in each set being vertically spaced, the set of apertures being arranged beneath the forehead engaging bar, and an elastic band having its ends inserted through said sets of apertures whereby each end of the band is bent into a pair of oppositely faced U-shaped portions and the band is locked against accidental movement, the free end of the band being adapted to be first passed through either the uppermost or lowermost aperture in the set, thereby effecting a vertical adjustment between the band and the lug.

In testimony whereof I affix my signature.

SAMUEL NELSON.