(No Model.)

S. HEYN.

OPERA GLASS SHIELD.

No. 572,637. Patented Dec. 8, 1896.

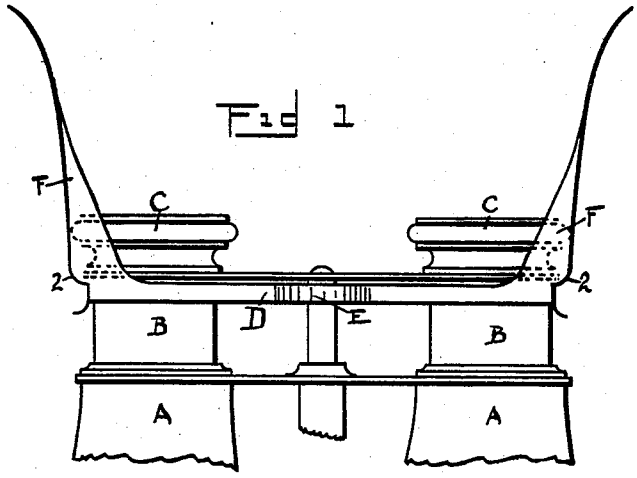

Fig 1

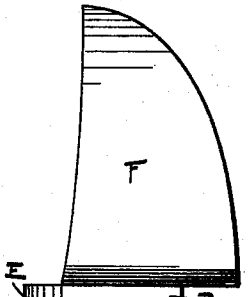

Fig 2

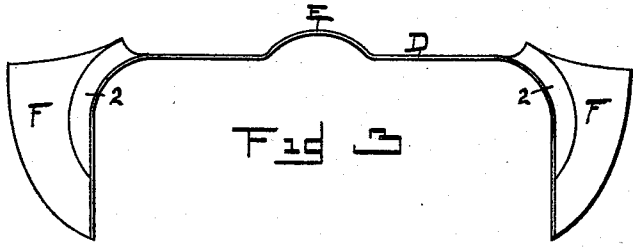

Fig 3

WITNESSES:

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SABINA HEYN, OF OMAHA, NEBRASKA.

OPERA-GLASS SHIELD.

SPECIFICATION forming part of Letters Patent No. 572,637, dated December 8, 1896.

Application filed September 10, 1894. Renewed April 11, 1896. Serial No. 587,234. (No model.)

To all whom it may concern:

Be it known that I, SABINA HEYN, residing at Omaha, in the county of Douglas and State of Nebraska, have invented certain useful Improvements in Opera-Glass Shields; and I do hereby declare that the following is a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

This invention has relation to a new and novel detachable shield for opera, field, or marine glasses, the object being to provide a simple device adapted to be removably secured to an ordinary opera-glass and act as a screen in intercepting the side rays which strike the eye ordinarily where no provision is made for a screen.

In the accompanying drawings, Figure 1 shows a top view illustrating part of an ordinary opera-glass to which I have attached my improved shield. Fig. 2 shows a side view of my shield as detached from the glass. Fig. 3 shows a front view of my shield.

A A represent the two object-cylinders of an ordinary opera-glass within which the telescope-tubes B B reciprocate, as is usual in devices of this sort, the glass being provided with the threaded lens-holders C C.

D represents a metallic strap, preferably of spring metal, which is centrally provided with an upwardly-extending bow E, terminating at each end with the rounded outwardly-extending recurved eye-shades F F, adapted to partially encompass the upper edge of the lens-holders C C and then extend downward in the form of a shield, as is shown in Fig. 2. To accommodate the lens-holders C C as they are ordinarily constructed in opera-glasses, I have dished these eye-shades F, as shown in Figs. 1 and 3, so that the shields F F can be adjustably secured to the telescope-tubes B B. My object is to adjustably secure these eye-shades F F to the telescope by a spring tension. To accomplish this, I have given the strap D the upwardly-curved bow E, so that the shades F can be adjusted to various-sized glasses.

The eye-shades F F could, of course, be in two detached sections and held together by means of an ordinary coil-spring, though, as shown in the figures, I prefer cast stamping the whole in one piece.

The shade is intended to be adjustably held upon the tubes B B, so that they can be slid slightly forward to accommodate themselves to the user's comfort.

It is of course understood that the eye-shades F could be made of metal or of some such material as gutta-percha or other slightly flexible material.

Now, having thus described my said invention, what I claim as new, and desire to secure by United States Letters Patent, is—

1. The combination with an opera-glass of a shield comprising a central spring-strap, said spring-strap terminating at each end in an outwardly-extending eye-shade formed to partly encompass the lens-holders of said opera-glass, all substantially as and for the purpose set forth.

2. The combination with an opera-glass of a shield comprising a spring-strap, D, having the central spring-bow, E, and terminating in outwardly-extending dished integral eye-shades, F, formed to partly encompass the lens-holders, B, of said opera-glass, said shield being removably held upon said opera-glass, all substantially as and for the purpose set forth.

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

SABINA HEYN.

Witnesses:
N. P. FEIL,
L. D. ERION.