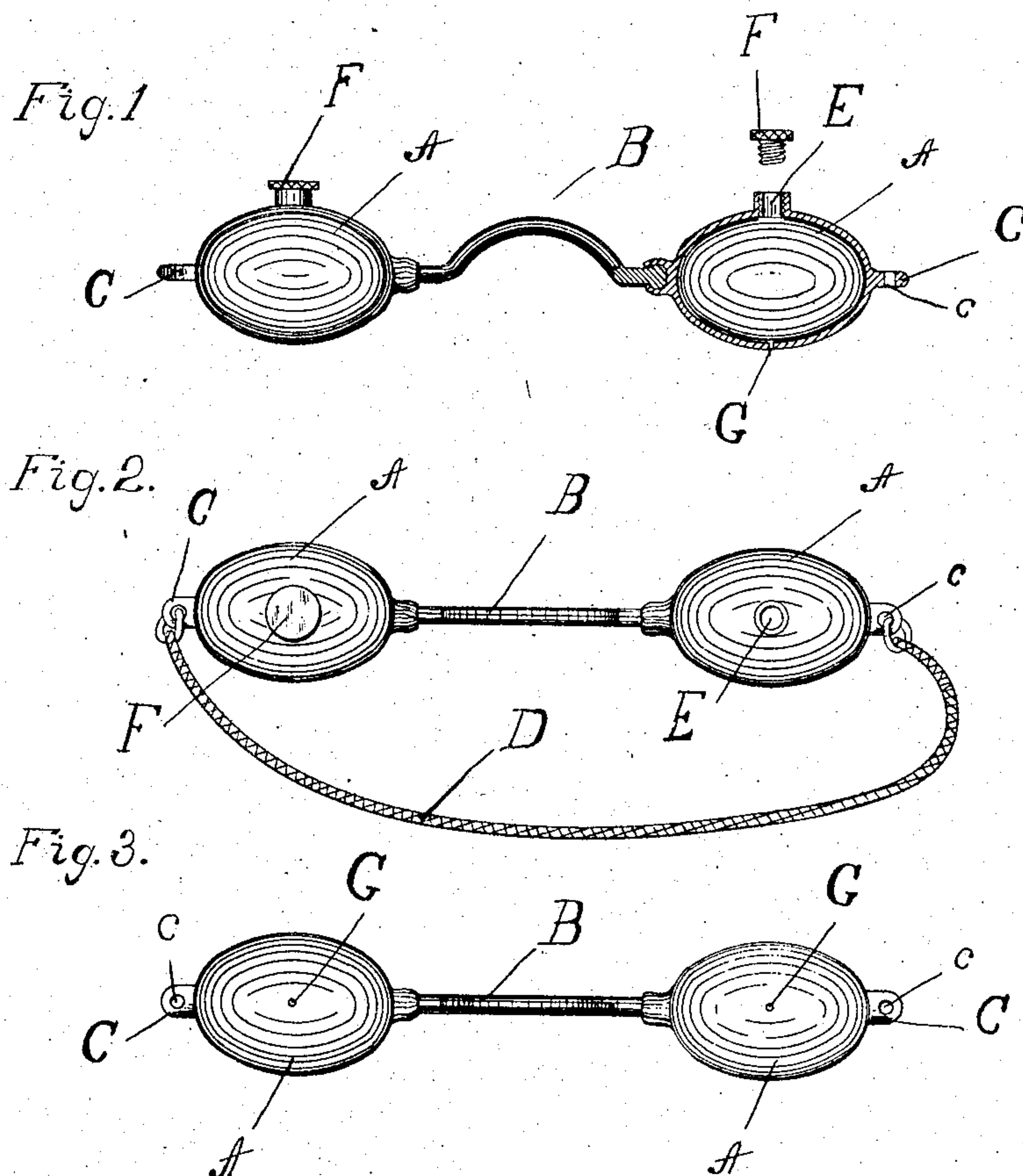


No. 780,563.

PATENTED JAN. 24, 1905.

F. E. GIRARD.
EYE IRRIGATOR.

APPLICATION FILED FEB. 1, 1904.



WITNESSES.

David C. Walter
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UNITED STATES PATENT OFFICE.

FRANK E. GIRARD, OF TOLEDO, OHIO.

EYE-IRRIGATOR.

SPECIFICATION forming part of Letters Patent No. 780,563, dated January 24, 1905.

Application filed February 1, 1904. Serial No. 191,434.

To all whom it may concern:

Be it known that I, FRANK E. GIRARD, a citizen of the United States, and a resident of Toledo, in the county of Lucas and State of Ohio, have invented a certain new and useful Eye-Irrigator; and I do hereby declare the following to be 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, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to a medical appliance for use in the treatment of diseases of the eyes, and has for its object the provision of simple and efficient means whereby the diseased eye or eyes can be kept constantly and uniformly moistened with the medicine used in the treatment thereof for a number of hours without attention from the patient or attendant.

In the treatment of diseases of the eyes much difficulty has been heretofore experienced in keeping the cloth or other material used as a compress over the diseased member properly moistened with the preparation used in treatment, constant watching being required on the part of the attendant to see that the compress does not get too dry and considerable skill being required to avoid overirrigating the member at the time the application of the liquid is made. I have overcome these difficulties by the simple device shown in the accompanying drawings, in which—

Figure 1 is a front view of my device, showing one of the bulbs thereof in vertical cross-section. Fig. 2 is a top plan view thereof, and Fig. 3 a similar view of the under side of my invention.

Referring to the drawings, A A represent two hollow elliptical bulbs of any desirable material and arranged so as to fit one over either eye of the patient. These bulbs are connected by the bridge or nose-piece B, to which said bulbs may be secured, as shown in

the drawings or in any other suitable manner. Lugs C C, which have the apertures c c provided therein, are formed at the outer ends of the bulbs to provide means of attachment for the elastic cord D, which is intended to pass around the head of the patient and retain the bulbs in position over the eyes.

Filling-openings E E are provided in the tops of the bulbs, which openings are internally screw-threaded to receive the screw-caps F F for tightly closing the same. Opposite the filling-opening in each bulb is a small perforation or restricted escape-opening G, through which the preparation placed in the bulbs is permitted to feed slowly onto the cloth or other compress placed over the eyes, the rapidity of the feed being regulated by the size of the opening or the number of such openings. While I have shown these feed-openings G as being mere perforations, I wish it understood that I do not confine myself to such construction, as these openings might be provided with means for changing the size thereof, so as to regulate the flow or feed, and it is also obvious that changes in the form, proportion, and details of construction of the parts of the invention may be made without departing from the spirit or sacrificing any of the advantages thereof.

What I claim as my invention, and desire to secure by Letters Patent, is—

A pair of hollow bulbs arranged to fit over the eyes of a person, means for retaining said bulbs in said position, openings provided in said bulbs through which they may be filled with liquid, and escape-openings provided in the lower portions of said bulbs for the purpose described.

In testimony whereof I have hereunto signed my name to this specification in the presence of two subscribing witnesses.

FRANK E. GIRARD.

Witnesses:

WILBER A. OWEN,
C. W. OWEN.