No. 830,608. PATENTED SEPT. 11, 1906.

F. A. MAGILL.

FOUNTAIN EYE BATH CUP.

APPLICATION FILED JAN. 5, 1903.

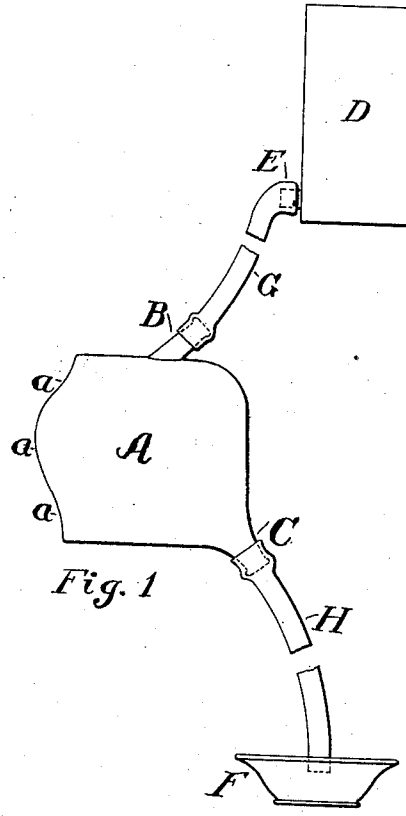


Fig. 1

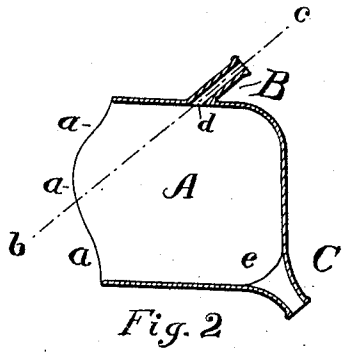


Fig. 2

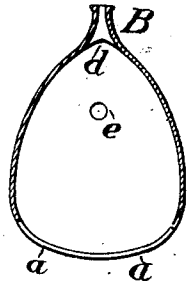


Fig. 3

Witnesses:
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FRANCIS A. MAGILL, OF TACOMA, WASHINGTON.

FOUNTAIN EYE-BATH CUP.

No. 830,608. Specification of Letters Patent. Patented Sept. 11, 1906.

Application filed January 5, 1903. Serial No. 137,808.

To all whom it may concern:

Be it known that I, FRANCIS A. MAGILL, a citizen of the United States, residing at Tacoma, in the county of Pierce and State of Washington, have invented a new and useful Fountain Eye-Bath Cup, of which the following is a specification.

My invention relates to improvements in fountain eye-bath cups in which a single eye-cup is so constructed of glass, hard rubber, or other suitable material that the rim around the mouth of the cup will fit closely around either eye when applied thereto, and it is further constructed with an inlet-tube situated on the top of the cup and opening into the cup, also an outlet-tube situated on the under side of the cup and opening out from the cup.

The fountain eye-bath cup is operated by attaching a flexible rubber tube or hose to the inlet-tube on the top of the eye-cup and connecting the hose with a reservoir-cup, also connecting a short flexible rubber hose with the outlet-tube on the under side of the eye-bath cup, connections being made as shown in Fig. 1 of the drawings hereto attached. By placing the eye-bath cup over the eye and raising the reservoir-cup above the level of the eye, water or other liquids will flow from the reservoir-cup into the eye-cup through the inlet-tube and over the eye, thence out through the outlet-tube into the waste-receptacle.

The advantages of the fountain eye-bath cup are, first, that water, medicinal solutions, or healing lotions can be most effectually applied to the eye and eyelids by a continuous flow, and the action of the water or other liquids will greatly assist in detaching and removing any impurities or foreign substances from the surface of the eye and eyelids and carry them off through the outlet-tube into the waste-receptacle; second, that a cooling bath of water of any desired temperature can be given to the eye and eyelids most effectually by reason of the continuous flow of the water into the eye-cup from the reservoir-cup, thus keeping the water in the eye-bath cup at the desired temperature by the constant supply. I attain these objects by the mechanism illustrated in the accompanying drawings.

Figure 1 is a vertical side view of the fountain eye-bath cup with the connections. Fig. 2 is a vertical sectional view of the fountain eye-bath cup, showing the interior and the openings. Fig. 3 is a plane sectional view on the line of *b c* in Fig. 2.

The cup A in Fig. 1 is constructed with an irregular rim around the mouth *a a a*, so that the rim will fit closely around either eye when applied thereto. Situated on the top of the cup A is an inlet-tube B, opening into the cup A and connected by a rubber hose G with the reservoir-cup D at the point E. Situated on the under side of the cup A is an outlet-tube C, and opening out from the cup A and connected with a short rubber hose H, which extends into the waste-receptacle F. The orifice in the tube B is so inclined, as shown by the line *b c* in Fig. 2, that it opens directly toward the center of the mouth *a a a* of the cup A. The orifice in the tube B where it opens into the cup A at the point *d* in Figs. 2 and 3 is enlarged and is elliptical in shape, the long diameter of which being parallel with the rim of the mouth *a a* in Fig. 3, the object being to reduce the force of the flow and spread it over the surface of the eye and eyelids. The orifice in the tube C is situated at the extreme interior, and on the under side of the cup A, as shown at *e* in Figs. 2 and 3, the object being that when the cup is applied to the eye and the head inclined slightly forward the opening at *e* will occupy the lowest point in the cup.

What I claim as my invention is—

An eye-bathing device consisting of an eye-inclosing cup, a supply-opening at the top thereof, inclined toward the center of the mouth of the cup and flared transversely of the cup to form on the interior thereof an elongated orifice, and a discharge-opening.

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

FRANCIS A. MAGILL.

Witnesses:

W. McB. PERRIN,

P. W. TONNESON.