

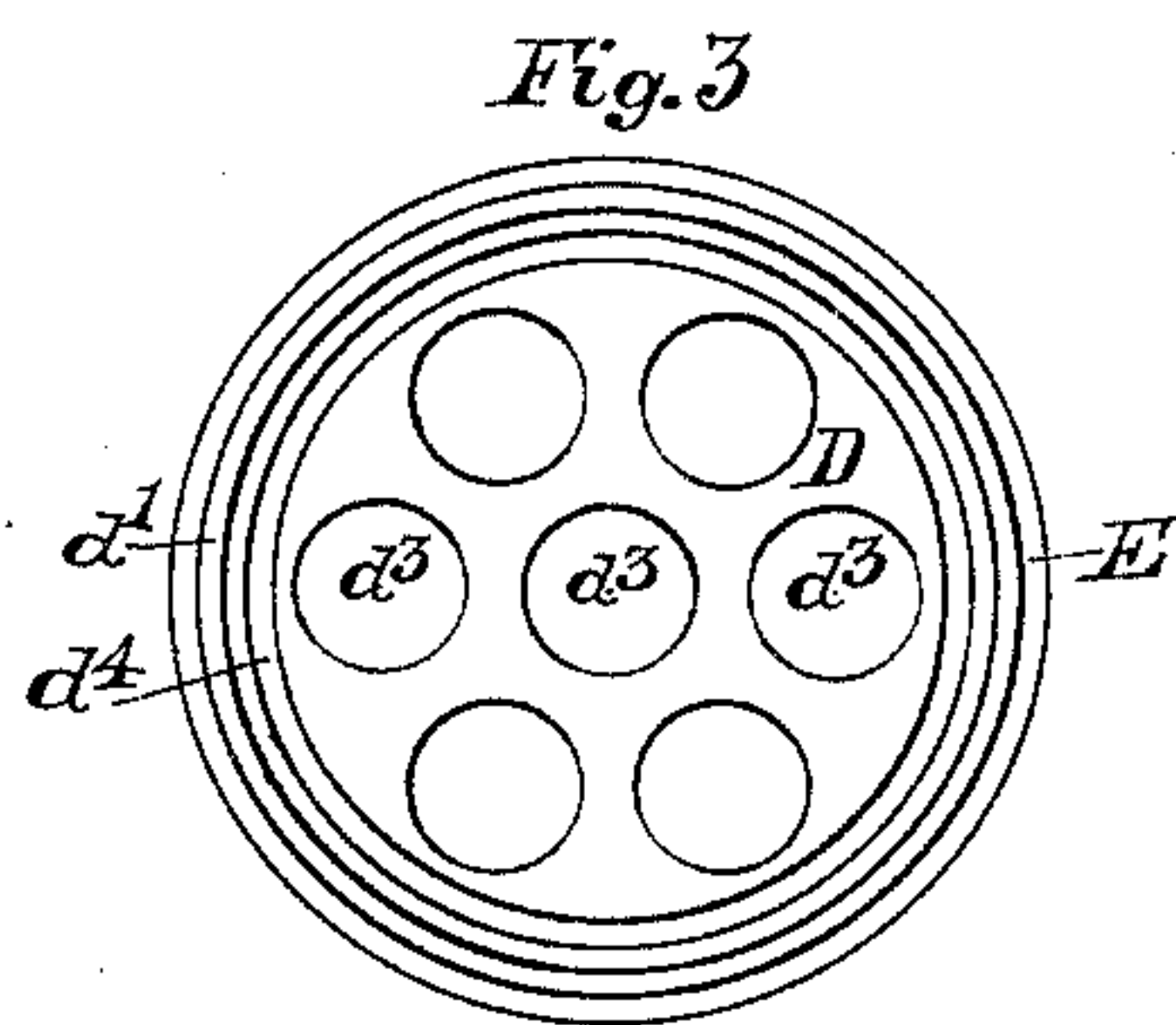
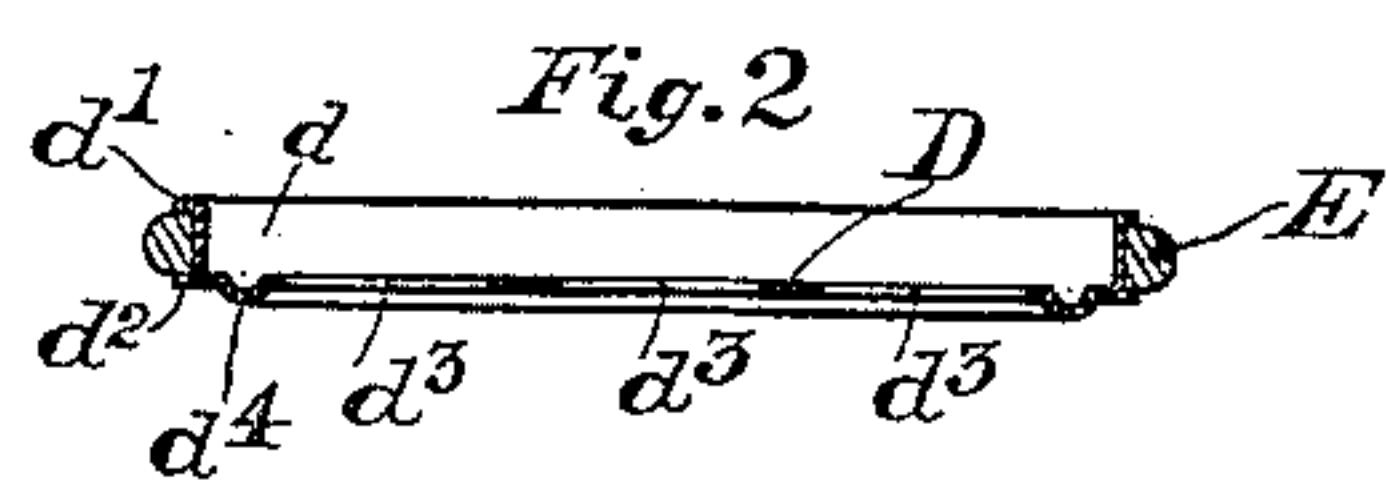
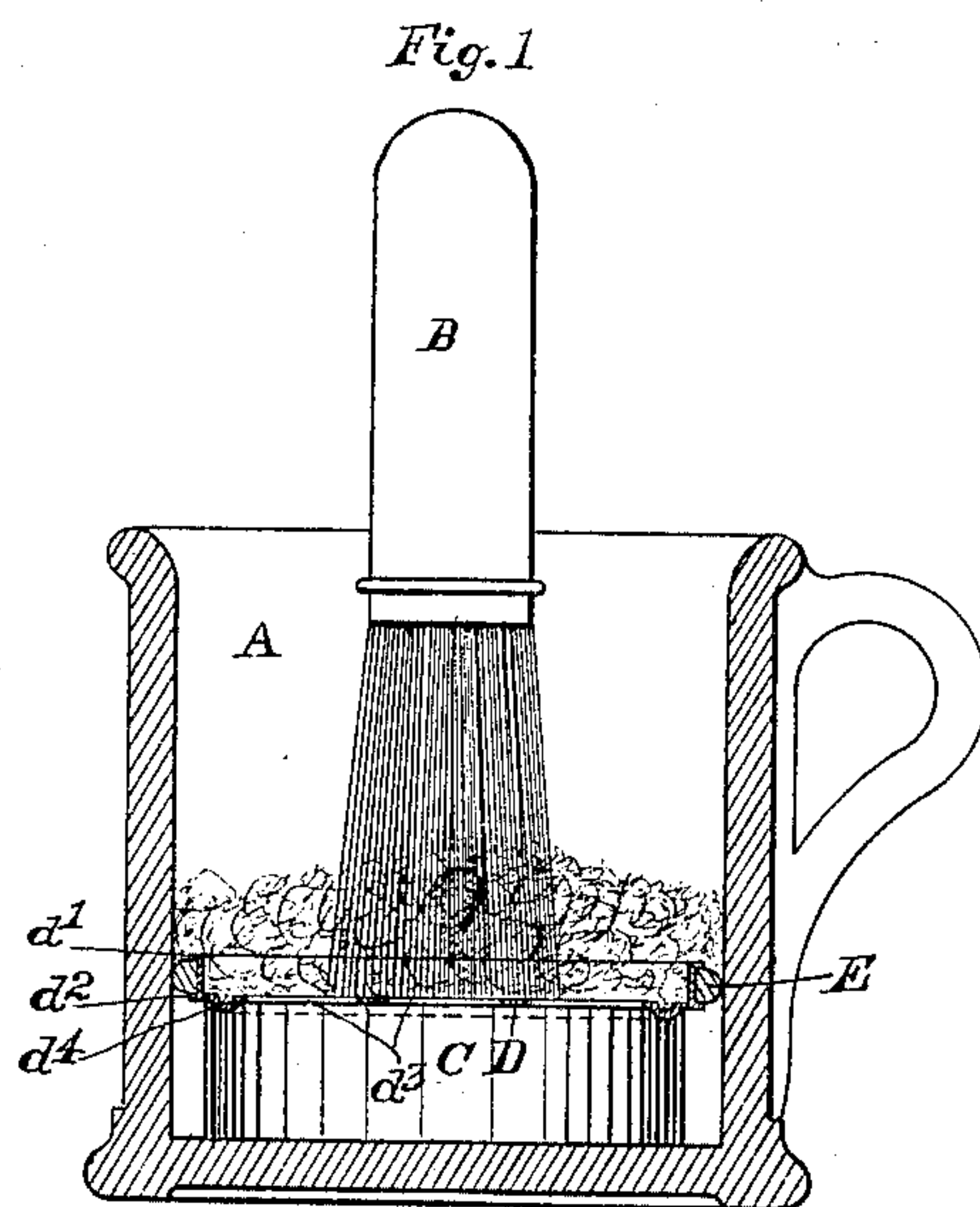
No. 688,259.

Patented Dec. 3, 1901.

G. M. MÜLLER.  
SHAVING CUP.

(Application filed Feb. 18, 1901.)

(No Model.)



Witnesses  
Henry Müller Jr.  
Aug. F. Müller

Inventor  
George M. Müller

# UNITED STATES PATENT OFFICE.

GEORGE M. MÜLLER, OF BROOKLYN, NEW YORK, ASSIGNOR OF ONE-HALF  
TO GEORGE C. RAPELYE, OF SUMMIT, NEW JERSEY.

## SHAVING-CUP.

SPECIFICATION forming part of Letters Patent No. 688,259, dated December 3, 1901.

Application filed February 18, 1901. Serial No. 47,801. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE M. MÜLLER, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Shaving-Cups; and I do 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 shaving-cups, and belongs to that particular variety which have interior metallic or earthenware plates pierced by one or more openings through which the bristles of the brush reach the soap and take therefrom sufficient to form the necessary lather for shaving.

The special object of my invention is to produce a cup provided with the diaphragm or plate having the openings, as stated, the plate being so constructed as to prevent the water when applied by the brush from gaining access to the soap except directly through the opening or openings introduced for that purpose. If the water can permeate the soap by way of the edges of the plate, there is always considerable waste resulting, and, furthermore, the action of the water around the edges of the plate leaves a softened sticky annular deposit of soap, which is troublesome to remove and especially unsightly if allowed to remain and accumulate. I accomplish the object stated by furnishing the plate circumferentially with a ring of flexible material, either of rubber or one of the numerous fabrics in which rubber is included or any chosen equivalent of such fabric.

Each constituent element of my invention is described in detail and its individual office, together with the mode of operation of the whole, fully explained hereinbelow.

Of the accompanying drawings, throughout which like letters designate like parts, Figure 1 is a vertical section of a shaving-cup, showing my invention in its normal position. Fig. 2 is a cross-section of the plate, and Fig. 3 a top plan thereof.

Considering the drawings, letter A marks

the cup, B designates the brush, both of which may be of any form, size, or material, and letter C marks a cake of shaving-soap lying in the bottom of the cup.

There are numerous methods of forming the plate and of providing it with the ring of packing essential to the operation. It is not necessary to employ the dished plate D, although that is a very convenient and desirable form. The plate need not be of metal, which is the material used to fashion plate D. A flat china plate could be substituted and provided with an encircling packing-ring. As ordinarily constructed the plate D is given the vertical cylindrical wall  $d$ , the exteriorly-projecting annular flanges  $d'$  and  $d''$ , the bottom openings  $d^3$ , either single or plural in number and centrally or eccentrically located, and a ridge  $d^4$ , extending downwardly from the lower side of the bottom. This ridge is usually formed by pressing a groove in the bottom near its circumference when the plate is made. The office of the ridge, which may be of any desired contour, is to hold the cake of soap centrally in the cup. This effect is obtained as a matter of course in using the cup. The pressure of the brush forces the ridge more or less into the surface of the soap, and it is in this manner held from turning about. The upper and lower flanges of the plate afford between them a retaining-seat for the packing-ring E. This packing-ring may be of any desired thickness to fit closely, though not necessarily tightly, in the cup, and it is my intention to construct the plates and packing of various sizes to fit any cup. To make a particularly even fit, or to properly apply the plate to a cup of odd size, the packing can be reduced by cutting away a portion, if need be.

I do not confine myself to any special form of plate, openings, or packing, or to the means shown for attaching the packing to the periphery of the plate.

Lather is formed by moistening the brush in the ordinary way and moving it quickly about over the openings  $d^3$ . Soap sufficient for the purpose is readily caught up. As the soap wears away it or the plate is turned to bring previously-unaffected parts beneath the openings, and as the surface of the soap is



worn away the pressure of the brush causes the plate to follow that surface downwardly.

The packing fully prevents the water employed from reaching the soap around the edges of the plate, and the cup is much more easily kept clean.

I am aware that cups have been constructed having perforated plates used for the purpose above stated, and I do not claim that feature.

What I claim, and desire to secure by Letters Patent of the United States, is—

1. In a shaving-cup, the combination of the cup, an interiorly-located movable plate, the said plate being perforated, and a ring of packing arranged to close the space between the edge of the plate and the inside of the cup, the periphery of the said plate being formed to receive the said packing, and the said plate and packing being movable together up and

down within the cup, substantially as described.

2. In a shaving-cup, the combination of the cup, an interiorly-located dished plate having a perforated bottom and upper and lower projecting flanges forming a peripheral groove, and packing fitting the said groove and retained thereby and arranged to close the space between the edge of the plate and the inside of the cup, the said plate having on its lower surface a circular ridge, and the said plate and packing being movable up and down within the cup, substantially as described.

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

GEORGE M. MÜLLER.

Witnesses:

AUG. A. WILLING,  
JOHN LADEHOFF.