

(No Model.)

J. J. DOYLE.
Sponge Moistener.

No. 229,680.

Patented July 6, 1880.

Fig: 1.

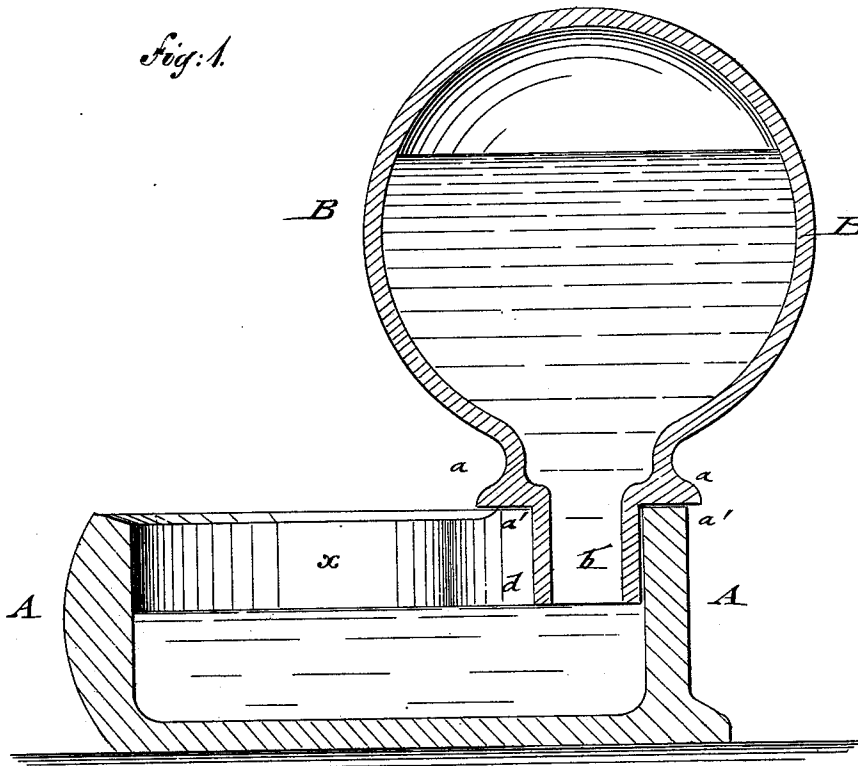
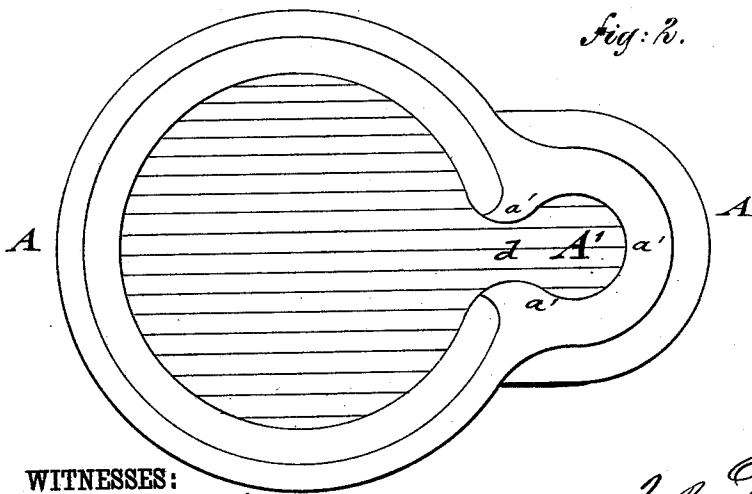


Fig: 2.



WITNESSES:

Carl Karp
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UNITED STATES PATENT OFFICE.

JAMES J. DOYLE, OF NEW YORK, N. Y., ASSIGNOR TO THE PALMER SPONGE MOISTENING COMPANY, OF SAME PLACE.

SPONGE-MOISTENER.

SPECIFICATION forming part of Letters Patent No. 229,680, dated July 6, 1880.

Application filed May 4, 1880. (No model.)

To all whom it may concern:

Be it known that I, JAMES J. DOYLE, of the city, county, and State of New York, have invented certain new and useful Improvements in Sponge-Moisteners, of which the following is a specification.

In the accompanying drawings, Figure 1 represents a vertical longitudinal section of my improved sponge-moistener, and Fig. 2 a top view of the same with the water-reservoir removed.

Similar letters of reference indicate corresponding parts.

This invention relates to an improved sponge-moistener for office and other uses, which contains a large quantity of water, so that the frequent refilling of the sponge-cup is avoided and a uniform quantity of moisture is always supplied to the fingers.

The invention consists of a sponge-cup with socket-shaped extension and of a bulb-shaped water-reservoir which is set by its lower ground-spout into a socket of the cup, the latter having an opening connecting with the socket portion.

In the drawings, A represents the cup-shaped base, having the open top or mouth *x*, for inserting and removing the sponge; B, the bulb-shaped reservoir of my improved sponge-moistener.

The reservoir B is preferably of spherical shape, and provided at its lower part with a rim, *a*, and with a downwardly-extending spout, *b*. The flat under side of the rim rests on a seat of a socket-extension, A', of the cup

A. The spout is tightly fitted by grinding into the socket A', so as to form a reliable connection therewith, a rubber gasket being furthermore interposed between the rim *a* and the seat *a'*.

The socket A' connects with the sponge-cup A by an opening or recess, *d*, so as to supply the water thereto from the reservoir. The reservoir B is refilled from time to time, as required, and placed in position into the socket of the cup by quickly inverting the reservoir and inserting the spout into the socket, closing at the same time the opening of the spout

by means of the forefinger, which is placed through the recess *d* into the socket. On removing the finger a quantity of water sufficient to fill the cup up to a level with the opening of the spout will be supplied, the partial vacuum at the inside of the reservoir preventing a further escape.

The sponge absorbs the water in the cup, and is uniformly supplied with water from the reservoir until the same is used up.

By means of the open mouth *x* the sponge may be readily inserted or removed for cleansing or other purposes.

If the cup is kept properly covered when the device is not in use, the reservoir will hold out for months. A new supply of water is fed to the sponge whenever the level of the water in the socket A' falls below the opening of the spout.

Another advantage of the sponge-moistener is, that the sponge has always a uniform degree of moisture without the disagreeable feature of the common sponge-cups, in which the sponge is at one time too moist and at other times too dry.

I am aware that sponge-moisteners consisting of a sponge-cup and a supply-reservoir connected thereto are well known, and I do not claim the same, broadly.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The combination of a sponge-cup, A, having the open mouth *x* and a socket, A', connected with the cup by an opening or recess, *d*, and a water-reservoir, B, having a base-rim, *a*, and discharge-spout *b*, fitting into the socket A', substantially as and for the purpose set forth.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of two witnesses, this 4th day of March, 1880.

JAMES J. DOYLE.

Witnesses:

PAUL GOEPEL,
CARL KARP.