

L. J. MAHLER.
 FOUNTAIN BRUSH.
 APPLICATION FILED AUG. 19, 1910.

986,926.

Patented Mar. 14, 1911.

Fig. 3.

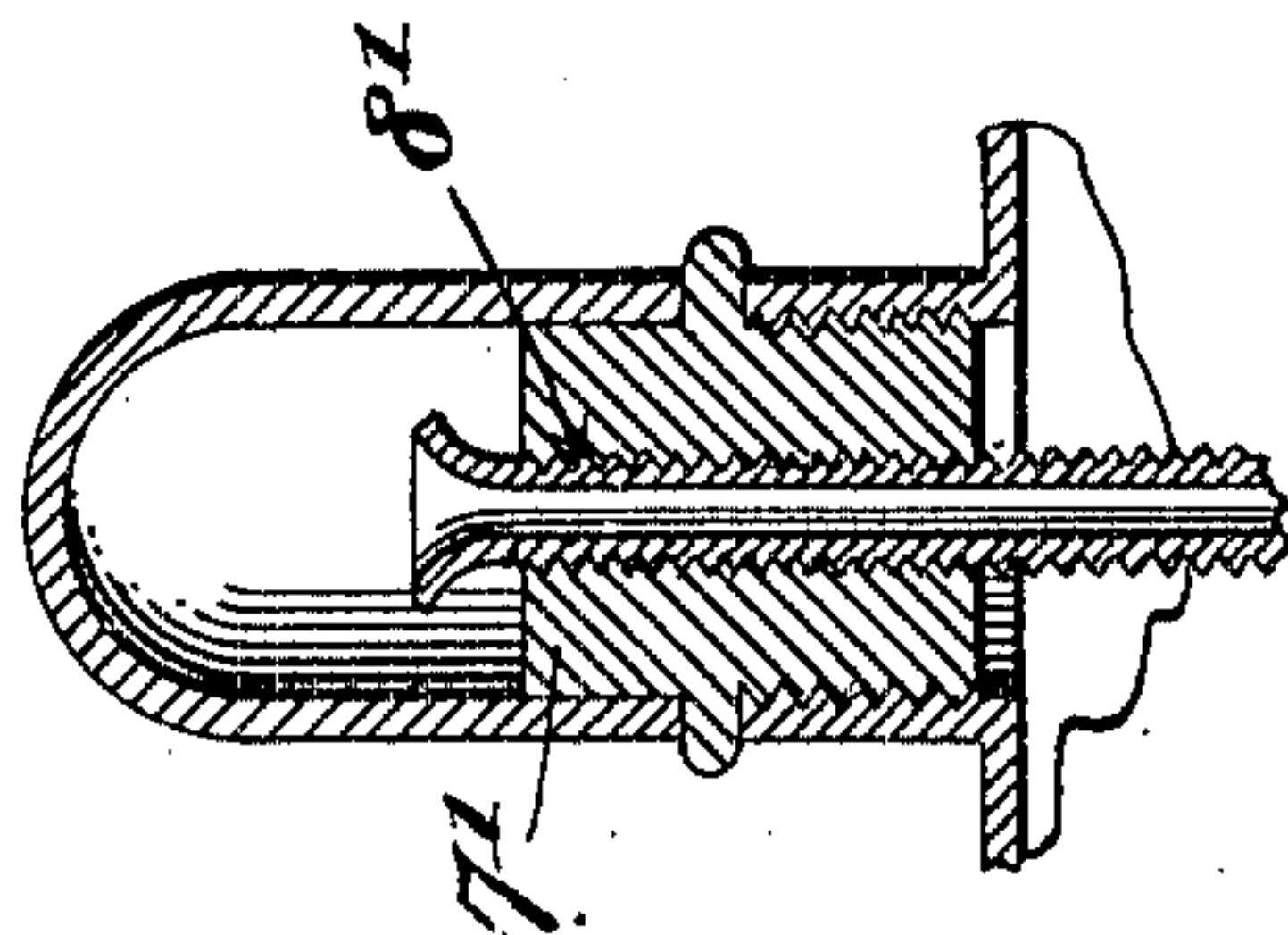


Fig. 2.

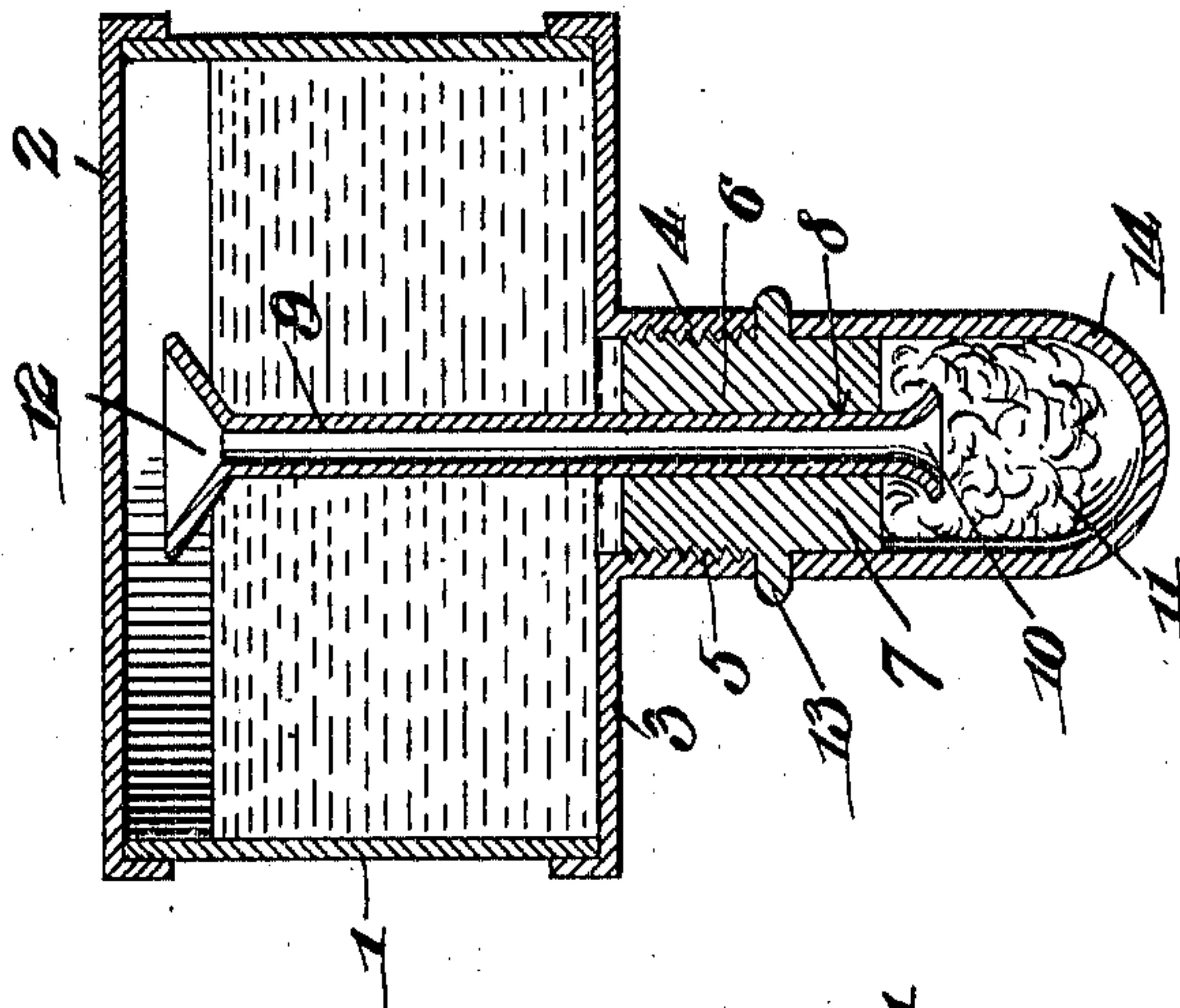
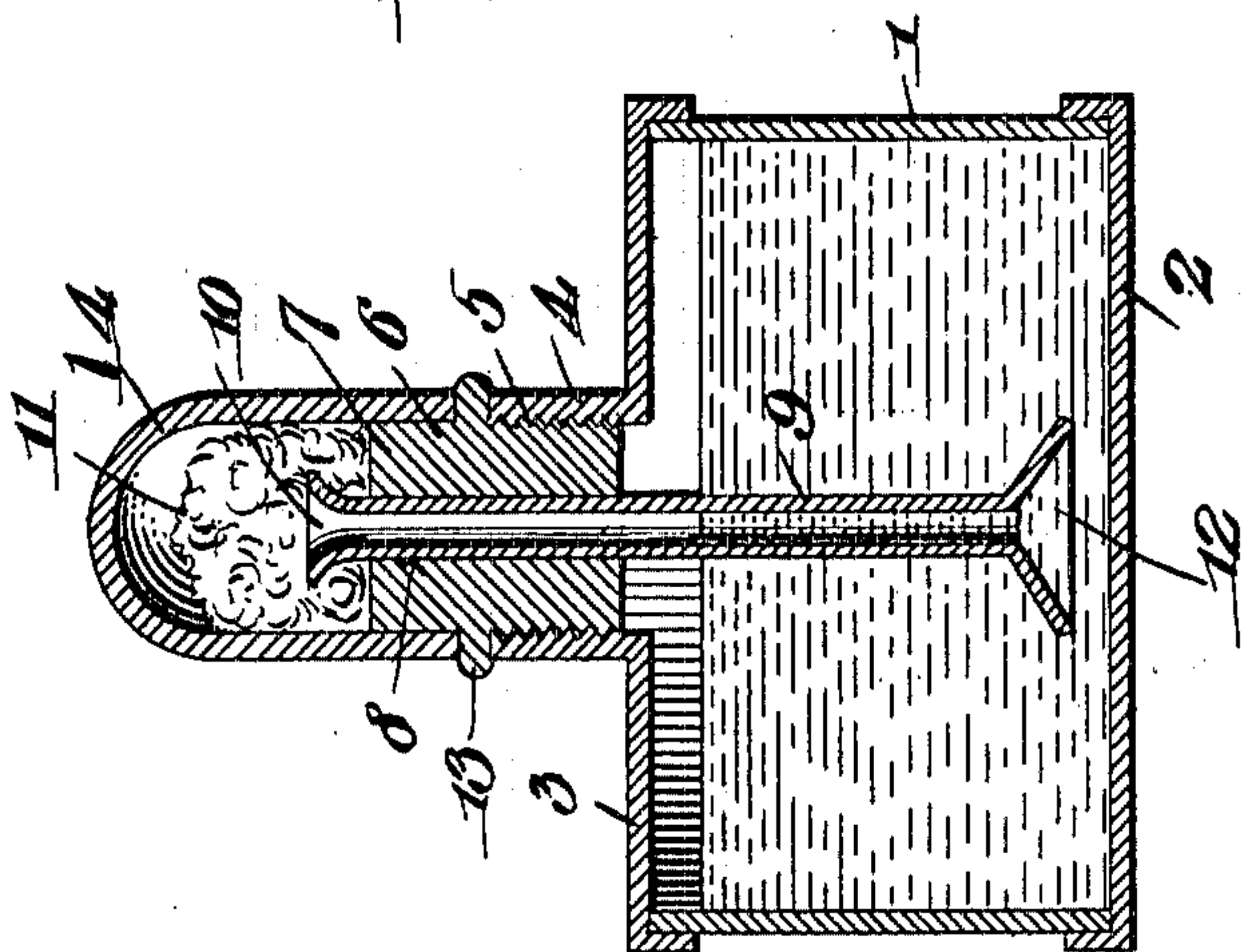


Fig. 1.



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UNITED STATES PATENT OFFICE.

LOUIS J. MAHLER, OF CINCINNATI, OHIO.

FOUNTAIN-BRUSH.

986,926.

Specification of Letters Patent. Patented Mar. 14, 1911.

Application filed August 19, 1910. Serial No. 577,985.

To all whom it may concern:

Be it known that I, LOUIS J. MAHLER, a citizen of the United States, residing at Cincinnati, in the county of Hamilton and State of Ohio, have invented new and useful Improvements in Fountain-Brushes, of which the following is a specification.

This invention relates to fountain brushes and particularly to one embodying a receptacle having a liquid substance, and an absorbent head onto which the said substance may be conveyed when pressure is applied to the walls of the receptacle, the object of the invention being to provide a novel form of conveying tube which connects the head with the bottle, the said tube being constructed so that its inlet end will be arranged in relatively close proximity to the bottom of the receptacle to prevent the contents from being conveyed to the tube and discharged onto the head when the receptacle is inverted.

In the drawing, forming a portion of this specification and in which like numerals of reference indicate similar parts in the several views:—Figure 1 is a detail vertical section through my improved brush. Fig. 2 is a similar view showing the same inverted. Fig. 3 is a section through a portion of the bottle showing a slightly modified form of my invention.

The brush consists of a receptacle which preferably comprises a cylinder-like wall 1 and heads 2 and 3. The wall 1 is springy so that when pressure is applied thereto sufficient force is applied to the liquid substance to eject the same. The head 3 is formed to provide a flange 4 having an interiorly threaded passage 5 in which is removably fitted the correspondingly exteriorly threaded neck 6 of a plug 7. This plug is formed to provide a longitudinal bore 8 through which the upper end of a conveying tube 9 extends. The tube 8 may be secured to the plug 7 in any suitable well known manner so that on removal of the plug the tube will be carried therewith. The upper end of the tube is formed to provide an outwardly extending flange 10 onto which the spun or

like absorbent element 11 may be tied or otherwise secured. This absorbent element entirely closes the discharge end of the tube. The tube 9 extends downwardly into the receptacle 1 and its end 12 is of substantially funnel-form and it is located in close proximity to the head 2 or bottom of the receptacle.

On operation of the improved brush described and shown herein, pressure is applied to the wall 1 of the receptacle and under such pressure the liquid will be forced upwardly through the tube 9 and discharged onto the absorbent element 11. Should the receptacle be accidentally inverted the liquid will fall below the inlet end 12 of the conveying tube and will be held against being discharged onto the absorbent element. Pressure is applied to the wall 1 of the receptacle when the latter is in an upright position. Sufficient liquid is then conveyed to the absorbent element 11 to enable the same to be operated in the desired manner across the surface to be coated by the liquid. After the liquid has been conveyed to the absorbent element as described, the receptacle is inverted, and as hereinbefore stated, the liquid in the receptacle will fall below the level of the end 12 of the conveying tube. From this construction it will be apparent that the liquid is discharged to the absorbent element 11 in equal quantities and such element will be held against collecting a superfluous quantity of liquid when the receptacle is being used or when it is inverted.

The plug 7 is provided with an annular flange 13 which forms a stop for the closure 14. This closure is applied when the receptacle is not in use and it protects the absorbent element and prevents the adherence thereto of foreign matter.

In the modified form of my invention shown in Fig. 3, the tube 9 is threaded exteriorly. The bore 8' of the plug 7' is correspondingly threaded to accommodate adjustment of the tube so that its inlet end may be associated with respect to the bottom of the receptacle as the occasion may demand. It will be found desirable to adjust the tube on

lowering of the liquid in the receptacle and through such adjustment all of the liquid can be effectively discharged.

I claim:—

5 A fountain brush comprising a receptacle, a plug at one end of the receptacle, an absorbent element at the outer end of the plug, and a liquid conveying tube extending
10 through the plug and into the receptacle and provided at its inner end with a sub-

stantially funnel shaped portion and provided at its end outwardly of the plug with an outwardly flared portion which is secured to the said absorbent element.

In testimony whereof I affix my signature 15 in presence of two witnesses.

LOUIS J. MAHLER.

Witnesses:

Mrs. LOUIS MAHLER,
HENRY WERNER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."
