

A. D. CARDINET.
FOUNTAIN BRUSH.

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1,001,617.

Patented Aug. 29, 1911.

Fig. 1

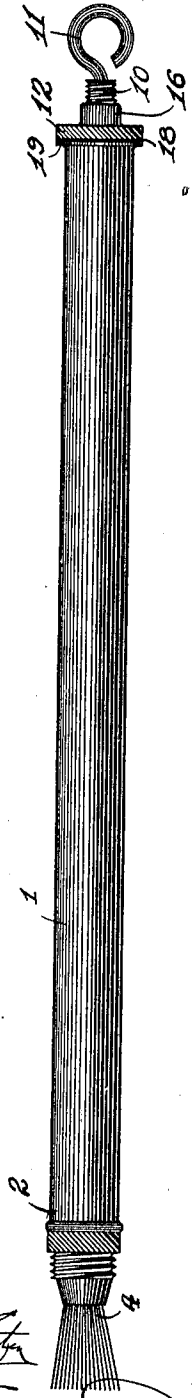


Fig. 3

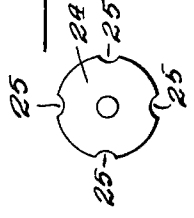


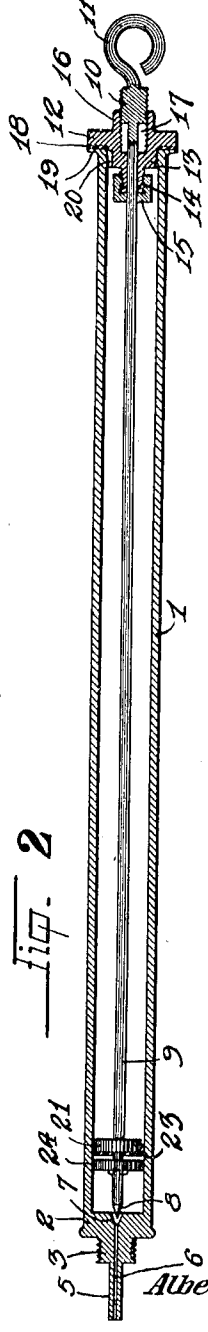
Fig. 5



Fig. 4



Fig. 2



Witnesses

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UNITED STATES PATENT OFFICE.

ALBERT D. CARDINET, OF OAKLAND, CALIFORNIA, ASSIGNOR TO CARDINET FOUNTAIN BRUSH COMPANY, A CORPORATION OF CALIFORNIA.

FOUNTAIN-BRUSH.

1,001,617.

Specification of Letters Patent. Patented Aug. 29, 1911.

Application filed February 19, 1910, Serial No. 544,813. Renewed December 24, 1910. Serial No. 599,199.

To all whom it may concern:

Be it known that I, ALBERT D. CARDINET, a citizen of the United States, residing at Oakland, in the county of Alameda and State of California, have invented certain new and useful Improvements in Fountain-Brushes, of which the following is a specification.

This invention relates to that class of devices known as fountain brushes, in which the liquid is contained in the handle of the brush and is fed to the bristles by means of a device which controls the discharge of the liquid to the bristles.

The present invention has for its object to provide an improved device of this kind which is so constructed and arranged that not only can the liquid be fed to the brush but also by means of which the handle or tube may be filled with the liquid and then discharged to the brush. These and other objects of this invention will appear in the course of the following specification.

Referring to the accompanying drawing,—Figure 1 is an enlarged longitudinal view of a fountain brush constructed in accordance with this invention. Fig. 2 is a view of the same in longitudinal section with the brush detached. Fig. 3 is a detail plan view of a valve located in the handle of the brush. Fig. 4 is a detail view of a disk which is mounted on the shaft of the brush. Fig. 5 is a detail view of a washer employed in connection with the disk shown in Fig. 4.

In carrying out the invention, the device is formed with a handle 1 which is in the form of a tube or cylinder, closed at one end 2 which is provided with a projection 3 to which is secured bristles 4. The projection 3 is provided with a tubular extension 5, the outer end of which projects centrally into the upper end of the bristles of the brush so as to permit the liquid passing through the tubular projection 5 to be distributed among the bristles of the brush. The projection 3 is preferably formed with threads whereby the head of the brush may be secured thereto.

The tubular projection 5 communicates with a passageway 6 in the projection 3 which terminates at its inner end in a tapering recess 7 adapted to seat the tapering end 8 of a rod 9 extending through the tube 1 and terminating at its other end in a screw

threaded enlargement 10 provided with a hook 11.

The open end of the tube 1 is closed by means of a cap 12 which is formed with a threaded projection 13 screwing into the inwardly threaded end of the tube 1 and formed with an attenuated threaded projection 14 on which is screwed a stuffing box 15 to form a tight joint with the rod 9 which extends through said stuffing box and through the projection 14 and the cap 13. The cap is formed with an outwardly extending projection 16 in which is located a cylindrical opening 17 threaded on its inner side and in engagement with the threaded enlargement 10. A washer 18 is located between the cap 13 and a flange 19 on the end of the tube thereby forming a tight joint for the tube 1. It will be seen that by means of this construction the rod 9 may be advanced to have its tapering end 8 close the recess 7 or withdrawn to unclose the same, by turning the hook 12, which turns the projection 10 in the socket 17. A small slot 20 in the side of the cap 13 affords an air vent when the cap is slightly unscrewed from the end of the tube 1.

The rod 9 is provided with a metal disk 21 near its tapering end which serves as a plunger, said disk 21 having a number of perforations 22 through which ink or paint may flow. Adjacent to the plunger 21 is a perforated leather valve 23 which in turn has adjacent thereto a second metal plunger 24 provided with small recessed portions 25 on its periphery to admit the passage of liquid. The perforated leather washer 23 is slidable upon the rod 9.

The hook 11 besides serving as a handle to turn the rod 9 may also be used to hang up the device when not in use.

By turning the rod 9, as hereinbefore described, the feed or flow of the liquid into the tube 1 through the passageway may be controlled.

To fill the tube with liquid the brush, which is made removable by screwing onto the projection 3, is removed and the tubular projection 5 is held submerged in the receptacle containing the liquid. The screw threaded enlargement 10 is unscrewed out of engagement with the socket 17 and the rod and plunger 21 are pulled up in the manner of a suction pump. When the tube is

filled, the operator's finger is placed over the tubular projection 5 and the rod 9 is forced back to starting position on the valve seat 7. The valves 21, 23 and 24 allow the liquid to pass through the perforations on the down stroke of the plunger. It is to be seen that by means of this construction that not only may the tube be filled with liquid but also by means of the same device the flow of the liquid to the brush will be controlled.

What I claim as my invention is:—

1. A fountain brush comprising an elongated tube having a closed bottom with a liquid discharge passageway, a brush detachably secured over said liquid discharge passageway, a cap at the other end of the tube, a longitudinally-movable, rotatable rod extending through said cap and tube and movable into and out of engagement with the liquid discharge opening in the bottom of the tube, a perforated disk, a perforated leather washer adjacent to said disk and a perforated disk adjacent to said washer, all mounted on said rod adjacent to its lower end.

2. A fountain brush comprising an elongated tube having a solid bottom with a

threaded tubular extension and an attenuated tubular projection extending from said extension, a valve seat in said bottom of the tube, a liquid passageway extending through said threaded extension and tubular extension, a brush head detachably mounted on said threaded extension and having its bristles located at the end of said tubular extension, a detachable cap on said tube having an internally threaded socket, a longitudinally movable and rotatable rod extending through said cap and tube and having its lower end adapted to engage said valve seat, the upper end of said rod having a threaded enlargement engaging said socket, a handle on said threaded enlargement, a perforated disk and perforated leather washer adjacent to said disk located near the lower end of said rod, and a second disk apertured at its edge on said rod adjacent to said washer.

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

ALBERT D. CARDINET.

Witnesses:

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F. P. SCHROEDER.