No. 745,503. PATENTED DEC. 1, 1903.

J. T. LANGILL.

FOUNTAIN BRUSH.

APPLICATION FILED APR. 3, 1903.

NO MODEL.

Fig. 1

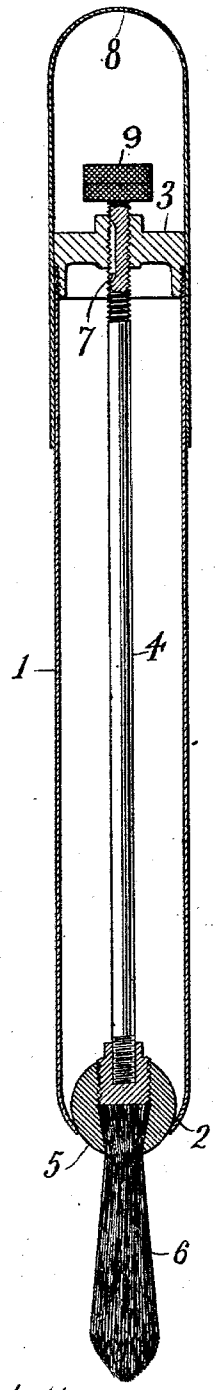
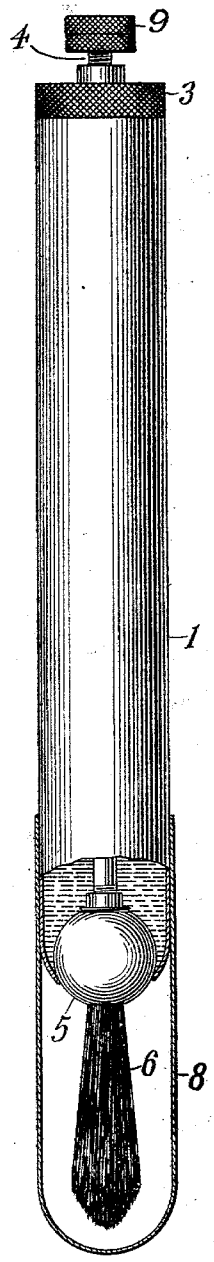


Fig. 2



Witnesses:
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by Kerr, Page & Cooper, Atty's

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

No. 745,503. Patented December 1, 1903.

UNITED STATES PATENT OFFICE.

JOHN T. LANGILL, OF NEW YORK, N. Y.

FOUNTAIN-BRUSH.

SPECIFICATION forming part of Letters Patent No. 745,503, dated December 1, 1903.

Application filed April 3, 1903. Serial No. 150,909. (No model.)

To all whom it may concern:

Be it known that I, JOHN T. LANGILL, a citizen of the United States, residing at New York, county of Kings, State of New York, have invented certain new and useful Improvements in Fountain-Brushes, of which the following is a specification, reference being had to the drawings accompanying and forming part of the same.

My invention relates to brushes having a fountain or reservoir containing a supply of liquid pigment, and is particularly adapted for use with brushes for lettering parcels, boxes, crates, barrels, &c., for shipment. It consists of the novel features and combinations hereinafter described, and more particularly pointed out in the claim.

Referring to the drawings, Figure 1 shows a convenient embodiment of my invention in central longitudinal section, the protecting-cap being placed over the adjusting thumb-nut. Fig. 2 is an elevation of the same, partly in section, the cap being placed over the brush, as when the instrument is not in use.

The reservoir of my brush, preferably a cylindrical tube, is indicated by 1. At its lower end it is reduced or contracted to form a shoulder, as at 2. The other end is closed in any convenient manner, as by a screw-plug 3. Through an opening in the latter extends a rod 4, which is preferably secured by screw-threads or some other suitable construction. On the lower end of the rod is a plug or stopper 5, conforming to the contour of the reduced portion of the reservoir or barrel. In the present instance it is shown as a spherical ball. Secured therein in any suitable manner and projecting outward is a brush 6.

From the foregoing description the manner of using my device will be easily seen. The barrel being filled with pigment, the rod is withdrawn a short distance, thus carrying the plug or stopper away from the contracted end of the reservoir. Air entering through the channel or vent 7 in the rod, which is opened by the withdrawal of the latter, permits the ink or pigment to flow evenly between the ball and the edge of the barrel over the former to the brush, thereby supplying the same with marking fluid. The device is then used as the ordinary brush, the supply of pigment being constantly maintained. The flow is of course readily regulated by adjusting the rod. When the device is not in use, the plug is pressed firmly into the contracted end of the barrel, thus hermetically sealing the same at that point and closing the air-vent. A cap 8 may be provided to cover the brush when not in use and to fit over the other end, inclosing the knob 9 of the screw-rod when the latter has been adjusted for use.

The device specifically illustrated and described is of course typical merely of my invention, which is capable of many embodiments without departing from its proper scope.

What I claim is—

In a fountain-brush, the combination with a tubular reservoir adapted to contain a liquid, having one end contracted to form a shoulder around an opening of less diameter than that of the reservoir, and a closure for the other end having a screw-threaded opening therethrough, of a screw-threaded rod extending through the opening having an operating-knob on its outer end, a ball-valve carried by the rod on its inner end adapted to fit tightly in the opening in the reservoir against the shoulder, said ball-valve having a conical opening diametrically therethrough, a brush in the opening extending outward from the reservoir in line with the rod, and a screw-plug in the inner end of the opening in the ball-valve adapted to bind the fibers of the brush securely in place, and having a screw-threaded socket engaging the rod, substantially as set forth.

JOHN T. LANGILL.

Witnesses:
GERTRUDE W. MARTLING,
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