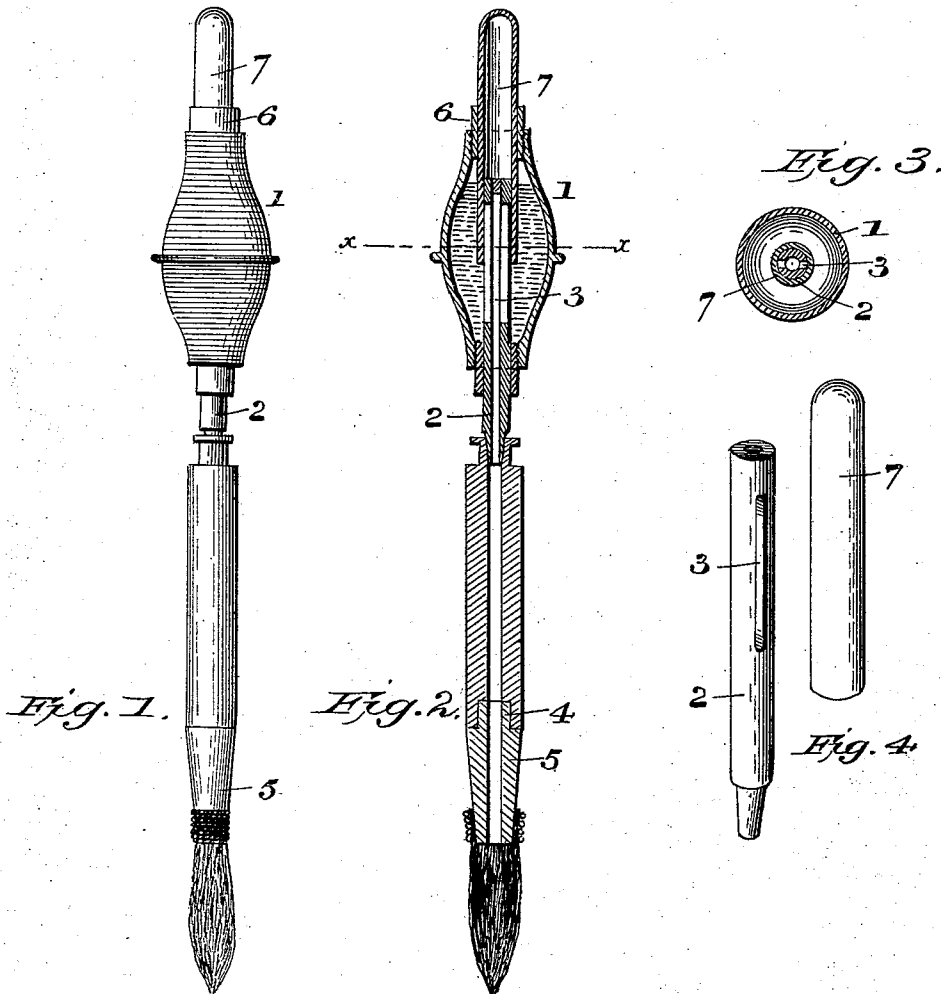


(No Model.)

D. W. WHITAKER.
FOUNTAIN MARKING BRUSH.

No. 491,000.

Patented Jan. 31, 1893.



WITNESSES:
J. L. Ourand.
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UNITED STATES PATENT OFFICE.

DAVID W. WHITAKER, OF DURHAM, NORTH CAROLINA, ASSIGNOR OF ONE-HALF TO STERLING R. CARRINGTON, OF SAME PLACE.

FOUNTAIN MARKING-BRUSH.

SPECIFICATION forming part of Letters Patent No. 491,000, dated January 31, 1893.

Application filed August 11, 1892. Serial No. 442,772. (No model.)

To all whom it may concern:

Be it known that I, DAVID W. WHITAKER, a citizen of the United States, and a resident of Durham, in the county of Durham and State of North Carolina, have invented certain new and useful Improvements in Fountain Marking-Brushes; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to improvements in fountain marking brushes, the object being to provide a novel construction of the same whereby the flow of the marking fluid from the supply receptacle to the bristles or brush may be regulated or entirely cut off as may be desired.

My invention consists in the novel construction and combination of parts hereinafter fully described and claimed.

In the accompanying drawings: Figure 1 is an elevation of a fountain marking brush constructed in accordance with my invention; Fig. 2 is a central vertical section of the same; Fig. 3 is a cross section on the line $x-x$, Fig. 2. Fig. 4 shows the supply and regulating tubes detached.

In the said drawings the reference numeral 1 designates a bulb of india rubber or other suitable material having aligned apertures or openings at the top and bottom. This bulb forms the marking fluid receptacle and passing up thereinto through the lower aperture, is a supply tube 2, closed at its upper end and having an elongated aperture 3 intermediate of its ends. In the lower end of the supply tube is a hollow plug 4 having its lower end cut away forming a small tube 5 around which the bristles are placed and securely tied or wired thereto. Located in the aperture in the

upper end of the bulb is a thimble 6, which is secured to said bulb, and passing through this thimble is a tube 7, closed at its upper end and adapted to fit over and slide upon the supply tube 2.

The operation is as follows: To fill the marking fluid receptacle or reservoir, the tube 7 is opened so as to uncover the opening 3, the plug 4 is removed and the lower end of the supply tube is then inserted in a vessel containing a quantity of the proper fluid. The bulb is next alternately contracted and expanded when the fluid will be drawn into the bulb as will be readily understood. When the requisite quantity has been supplied to the receptacle or reservoir, the plug is again inserted in the tube 2, and the tube 7 adjusted so that a regulated supply will be fed from the receptacle to the tube 2, through the opening 3. By increasing or decreasing the area of this opening by means of tube 2, the amount of the fluid supplied is increased or decreased, and by closing said opening completely, the supply is entirely shut off.

Having thus described my invention, what I claim is:

In a fountain marking brush the combination with the elastic and flexible bulb open at top, and at its upper end provided with a thimble, of the supply tube having an elongated opening near its upper end, a removable hollow plug to which the bristles are secured located in its lower end, and the vertically movable tube passing through the thimble and slidable upon the supply tube, substantially as and for the purpose specified.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

DAVID W. WHITAKER.

Witnesses:

LOUIS BAGGER,
BENNETT S. JONES.