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W. C. MARSH

FOUNTAIN STENCIL AND MARKING BRUSH

Filed April 4, 1921

Fig. 1

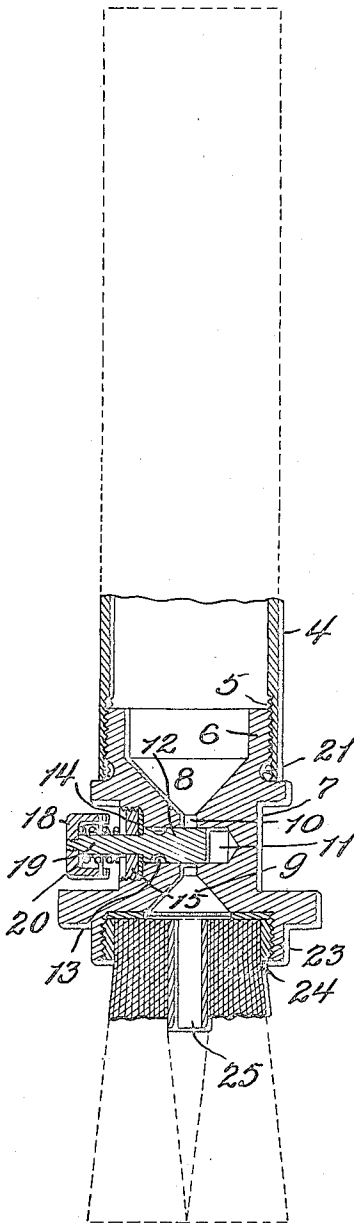


Fig. 2

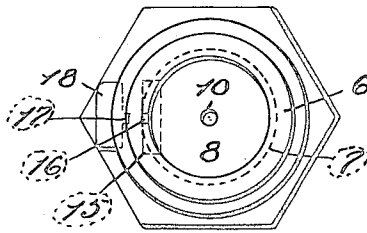
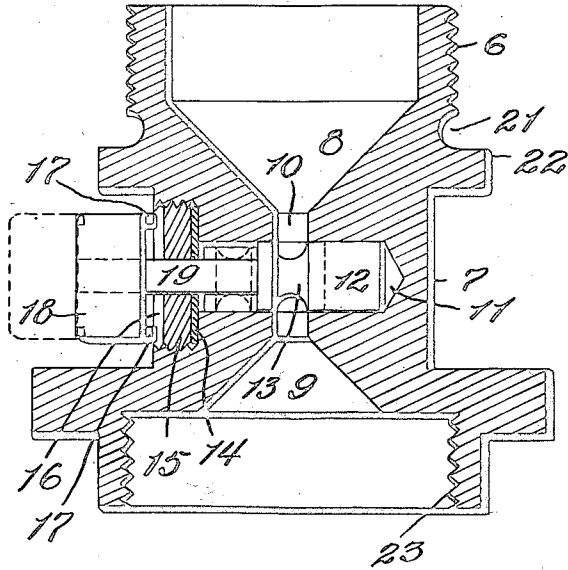


Fig. 3



INVENTOR

WALT C. MARSH,
by James L. Hopkins ATTORNEY.

UNITED STATES PATENT OFFICE.

WALT C. MARSH, OF BELLEVILLE, ILLINOIS.

FOUNTAIN STENCIL AND MARKING BRUSH.

Application filed April 4, 1921. Serial No. 458,360.

To all whom it may concern:

Be it known that I, WALT C. MARSH, a citizen of the United States, residing at Belleville, in the county of St. Clair and State of Illinois, have invented certain new and useful Improvements in Fountain Stencil and Marking Brushes, of which the following is a specification, reference being had therein to the accompanying drawing.

My invention relates to improved fountain stencil and marking brushes and has for its object to provide a brush having a handle-reservoir, with a finger-operated mechanism interposed between the brush and handle-reservoir, the brush and reservoir being connected by a single valve-containing member having a conoidal inlet from the reservoir and a conoidal outlet to the brush, and a valve seated between said inlet and outlet.

In the drawings—

Fig. 1 is a vertical mid-sectional view of a device embodying my invention.

Fig. 2 is a top plan view of the same.

Fig. 3 is an enlarged vertical mid-sectional view of the valve-containing member.

In the drawings the reservoir 4 is shown, its open end being screw-threaded as indicated by 5 to seat upon the threaded mouth 6 of the valve-containing or intermediate member 7. In said member 7 I provide a conoidal ink-inlet 8 and a conoidal ink-outlet 9 connected by the bore 10. Transversely to the bore 10 is the valve-chamber 11 in which the valve 12 is slidably mounted. The valve 12 has an annular groove 13 about its periphery around and through which groove 13 ink will flow when the valve 12 is in the inner and depressed position shown in Fig. 3.

The mouth of the chamber 11 is closed by the washer 14 and screw-plug 15, and the outer face of the plug 15 has a median transverse groove 16 with which teeth 17—17 of the cap 18 engage when said cap 18 is depressed to the open position shown in Fig. 3.

The valve stem 19 is fixed to the cap 18 and a coiled-spring 20, mounted as shown in Fig. 1 normally keeps the valve 12 in

outer or closed position. By thrusting the cap 18 inwardly the teeth 17—17 will engage with the groove 16 so that the rotation of the cap 18 will serve to unscrew and remove the screw-plug 15.

The valve-seating or intermediate member 7 has an annular groove 21 surmounting the annular shoulder 22 so that when the reservoir 4 is seated in place (see Fig. 1) the groove 20 will serve to catch and hold any leakage that may exist.

The base of the intermediate member 7 has the internally screw-threaded mouth 23 to receive and hold the brush 24, whose base is provided with a central feed-tube 25 to receive ink from the outlet 9.

The cap 18 and the integral stem 19 and valve 12 are freely rotatable at all times except when the teeth 17—17 are engaged with groove 16, when the cap 18 serves as a screw-driver to unscrew the plug 15 from its seat, or again return said plug 15 to its seated position.

The described construction provides for an accurately controlled flow of ink, and the ready separation and cleansing or renewal of the parts.

Structural changes in the several parts of the device may be made without departing from my invention in the new and useful particulars above described and hereinafter claimed.

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

In a device of the class described, a valve-holding member having an ink-inlet, an ink-outlet and a bore connecting said ink-inlet and said ink-outlet, with a valve-chamber extending through said bore; a screw-plug mounted in the mouth of said valve-chamber and having a groove upon its outer face; a valve seated in said valve-chamber and having a stem extending through said screw-plug and a cap fixed to the outer end of said stem, said cap having teeth arranged to engage with the groove of said screw-plug.

In testimony whereof I hereunto affix my signature.

WALT C. MARSH.