L. D. FALKENSTEIN.

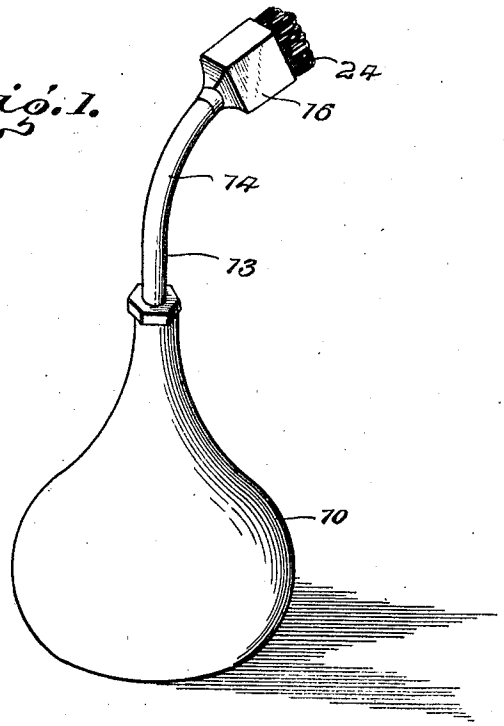
FOUNTAIN BRUSH.

APPLICATION FILED MAR. 12, 1913.

1,083,071.

Patented Dec. 30, 1913.

Fig. 1.



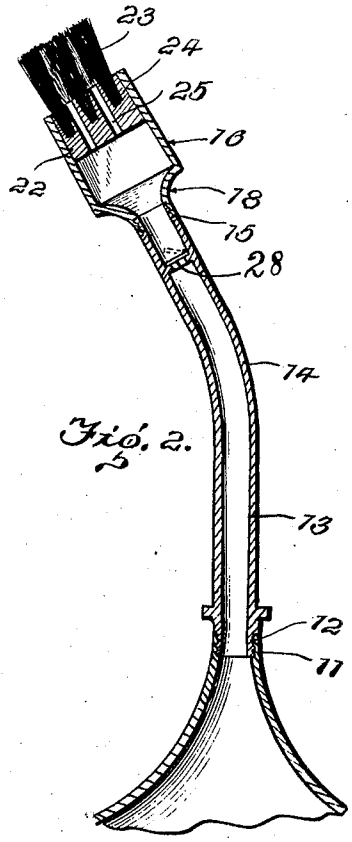


Fig. 2.

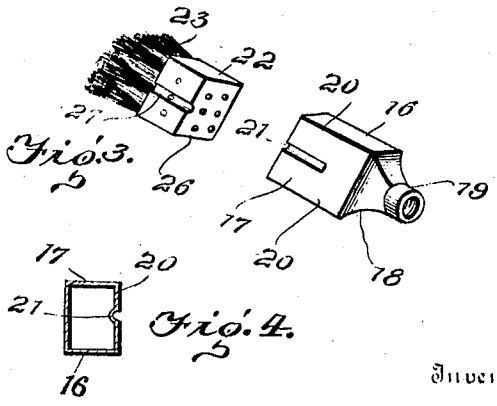


Fig. 3.

Fig. 4.

Witnesses

Inventor

L. D. Falkenstein.

By

Attorneys.

UNITED STATES PATENT OFFICE.

LOUIS D. FALKENSTEIN, OF ELKHART, INDIANA.

FOUNTAIN-BRUSH.

1,083,071. Specification of Letters Patent. Patented Dec. 30, 1913.

Application filed March 12, 1913. Serial No. 753,828.

To all whom it may concern:

Be it known that I, LOUIS D. FALKENSTEIN, citizen of the United States, residing at Elkhart, in the county of Elkhart and State of Indiana, have invented certain new and useful Improvements in Fountain-Brushes, of which the following is a specification.

This invention relates to an improvement in fountain brushes.

The primary object of the invention is to provide a fountain brush for moistening envelops to seal the flaps thereof and affix stamps to the same.

A further object of the invention is to provide a construction in which a brush member is removably supported within a fountain container, the construction being such that the liquid is supplied to all of the bristles of the brush, thereby assuring an even application of the liquid to the paper.

A still further object of the invention is to provide a nozzle member which supports the brush with means whereby the brush may be readily removed in order that it may be repaired or replaced.

For a full understanding of the invention, reference is to be had to the following description and accompanying drawing, in which:

Figure 1 is a perspective view; Fig. 2 is a sectional view; Fig. 3 is a disassembled perspective view of the brush and the nozzle which supports the same; and Fig. 4 is a transverse section taken through the nozzle.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawing by the same reference characters.

In the drawing, 10 designates a container which may be of any suitable configuration and which is provided with a threaded extension 11. This threaded extension 11 receives the threaded portion 12 of a tube 13. The tube 13 is curved, as at 14, and its terminal 15 is threaded to receive the brush supporting nozzle 16.

The brush supporting nozzle consists of the rectangular member 17, one end of which is open. The other end of the member is tapered, as at 18, and terminates in a threaded extension 19 which receives the threaded terminal 15 of the tube 13. One of the side walls 20 of the nozzle is provided with a rib 21, this rib extending from the open end of the nozzle to approximately one-half of its length, the rib being disposed interiorly of the nozzle.

A block 22 is received within the open end of the nozzle, said block being formed of gutta-percha or other suitable bristle supporting material. The bristles 23 are supported within recesses 24 formed in the block, these recesses extending only partially through the block. The block is provided with a plurality of apertures 25 which are disposed between the bristle supporting recesses, the apertures being arranged throughout the entire face of the block whereby the liquid is distributed to all of the bristles, thus assuring an even distribution of the liquid on the paper when the brush is applied to the same.

The face 26 of the block is provided with a groove 27 which receives the rib 21 formed integral with the nozzle 17. The nozzle is constructed of sheet metal and the rib is sufficiently resilient to engage the block and support it against displacement. In use, the container 10 is filled with water, and when it is desired to apply water to the envelop, the device is partially inverted, the water flowing through the pipe 13 into the nozzle, passing through the openings formed in the block 22 and saturating the bristles. Particular attention is called to the fact that all the bristles are saturated.

A check valve 28 is arranged in the tube 13, the valve permitting liquid to flow from the container 10 to the nozzle but preventing the return of said liquid. After the device has been inverted to fill the nozzle, only a partial inverting is necessary to supply the liquid to the bristles. While the tube has been illustrated as provided with a valve, the device can be operated without the use of such valve.

The many advantages of a construction of this character will be clearly apparent, as it will be noted that the device may be easily and economically manufactured and that it may be effectually used to moisten that portion of an envelop which receives the gummed flap or the corner of the envelop to which the stamp is affixed.

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

A moistening device comprising a container, a tube threaded into the container, a nozzle supported by said tube, said nozzle

being substantially rectangular in cross-section, one of the walls of said nozzle being pressed inwardly to form a rib, a rectangular block received within the nozzle, one of the side walls of said block being provided with a groove which receives the rib of the nozzle, whereby the block is rigidly supported against displacement, bristles supported by the block, there being passages arranged in the block through which the fluid from the nozzle may pass to the bristles.

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

LOUIS D. FALKENSTEIN. [L. S.]

Witnesses:

E. V. McDONALD,

SAM BATES.