J. F. WALKER.
FOUNTAIN MUCILAGE OR PASTE BRUSH.
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Fig. 1.

Fig. 2.

Fig. 3.

Fig. 4.

Fig. 5.

Witnesses

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To all whom it may concern:

Be it known that I, JAMES F. WALKER, a citizen of the United States, residing at McKeesport, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Fountain Mucilage or Paste Brush, of which the following is a specification.

My invention relates to brushes or spreaders for mucilage, paste, colors, or other liquid or semisolid or pasty substances, and more particularly to that class of such devices with which are provided means for supplying the substance to the brush, such means being included under the general name of "fountains."

The object of my invention is to generally improve such fountain brushes or spreaders, whereby simplicity, cheapness, durability, efficiency, and ease of operation are attained.

With this object in view my invention consists in the improved construction, arrangement, and combination of parts hereinafter fully described and afterward specifically pointed out in the appended claims.

In order to enable others skilled in the art to which my invention most nearly appertains to make and use the same, I will now proceed to describe its construction and operation, reference being had to the accompanying drawings, forming part hereof, in which—

Figure 1 is a perspective view of a construction embodying my invention. Fig. 2 is a vertical sectional view thereof. Fig. 3 is a transverse sectional view, on an enlarged scale, on the plane indicated by the broken line 3 3 of Fig. 2. Figs. 4 and 5 are similar sectional views on the broken lines 4 4 and 5 5 of Fig. 2.

Like numerals of reference mark the same parts in all of the figures of the drawings.

Referring to the drawings by numerals, 6 indicates the support or holder for my improved fountain-brush when out of use, which may be of any desired plain or ornamental shape, provided only that its base be sufficiently extensive to properly uphold the brush.

The holder 6 is provided with a tubular center 7, with open upper and closed lower end, and 8 indicates the main body, reservoir, or fountain, which is preferably reduced in diameter at one end 9 to properly and snugly fit in the upper end of tube 7, said end 9 being closed except a central screw-threaded opening, into which fits one end of an exteriorly-threaded discharge-tube 10. An interiorly-threaded short tube or thimble 11, having an annular flange 12 at its inner end, is screwed upon the discharge-tube, and a brush 13 is secured in position around the thimble by means of a tapering tube or binder 14, fitting upon the flange 12, the construction permitting of an unobstructed opening through the discharge-tube from the interior of the fountain to the center of the brush. The brush is here shown as composed of bristles, but it will be understood that sponge, felt, or other porous material may be used, if desired.

In the upper end of the fountain is fitted a plunger consisting of a disk 15, of leather or other similar material, secured to a circular plate 16 by means of a screw 17, passing through the disk into a central threaded opening 18 in plate 16, a washer 19 being placed between plate 16 and disk 15 and the plate having a downward tubular extension 20 into the hole in the washer and an upward tubular extension 21. The plate 16 is secured in the lower end of a short tube 22, which fits slidably in the fountain and is held against withdrawal therefrom by a cross-bar 23, forming part of a ring 24, threaded on the outside of the upper end of the fountain. The cross-bar 23 has an upward extension 25 to receive a coiled spring 26, which has its upper bearing on the inside of the closed end 27 of the short tube 22, whereby the tube 22 is normally held in its outermost position, the cross-bar sliding in slots 28 of the tube.

The screw 17 is provided with a passage 29 to permit of the entry of air into the fountain when the plunger moves outward.

With the fountain filled with mucilage or paste by pressing on the cap 27 of tube 22 the plunger is moved inward, causing a supply to be forced through discharge-tube into the brush, so that the brush may be continuously supplied until the fountain is emptied.

When desired, the device may be used as an envelope stamp, or gummed-label moistener by filling the fountain with water and using a felt brush.

While I have illustrated and described what I consider to be the best means now known to
me for carrying out my invention, I do not wish to be understood as restricting myself to the exact forms and constructions shown, as many slight changes therein or variations therefrom might suggest themselves to the ordinary mechanic, all of which would be clearly included within the limit and scope of my invention.

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

1. The combination with a tubular liquid-receptacle having an outlet surrounded by a brush at one end, of a spring-pressed plunger provided with a packing-disk at the other end of the receptacle, a washer at the lower end thereof, and a securing-screw projecting through the end of the plunger to hold the washer in place, and provided with a central air-vent, substantially as described.

2. The combination of the fountain, the plunger therein provided with a packing-disk, the securing-screw provided with a passage for air, a slotted tube to which the plunger is secured slidably mounted in the fountain, a ring secured on one end of said fountain, a cross-bar secured to the ring and passing through the slots of the tube, and a spring in the tube having its inner bearing against the closed end of the tube, substantially as described.

JAMES F. WALKER.

Witnesses:

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