

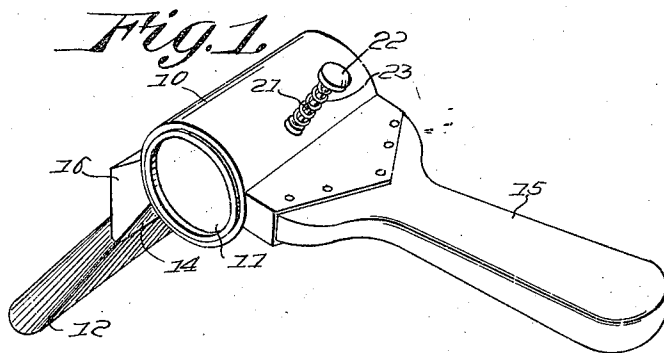
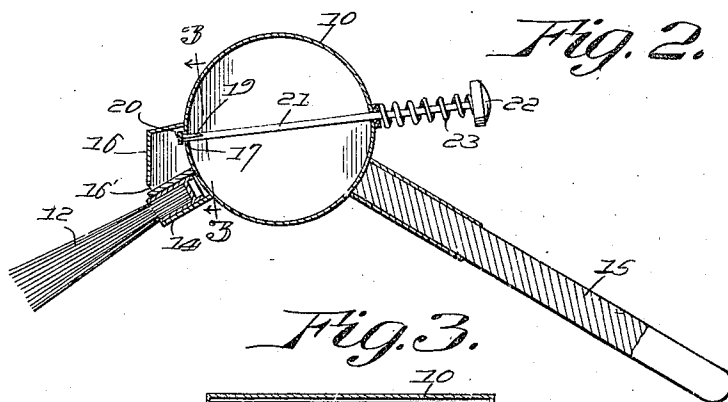
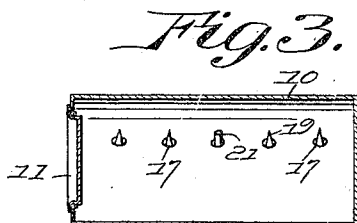
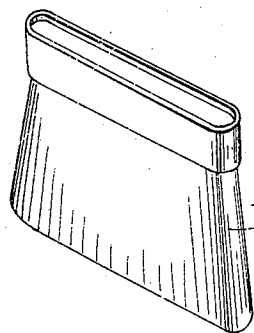
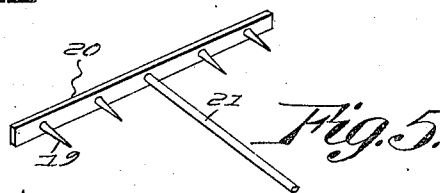
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G. WALTERS

FOUNTAIN BRUSH

Filed Aug. 12, 1921



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UNITED STATES PATENT OFFICE.

GUSTAV WALTERS, OF MIDDLETOWN, CONNECTICUT.

FOUNTAIN BRUSH.

Application filed August 12, 1921. Serial No. 491,759.

To all whom it may concern:

Be it known that GUSTAV WALTERS, a citizen of the United States of America, residing at Middletown, in the county of Middlesex and State of Connecticut, has invented new and useful Improvements in Fountain Brushes, of which the following is a specification.

The object of the invention is to provide a fountain brush of the paint brush type more especially designed for applying polish to stoves and the like and the particular object in view is to provide means whereby the flow of the liquid paint or polish may be regulated and applied to the bristles under conditions insuring efficiency in the spreading operation; and with these objects in view the invention consists in a construction and combination of parts of which a preferred embodiment is shown in the accompanying drawings, wherein:—

Figure 1 is a view of a brush embodying the invention.

Figure 2 is a longitudinal section of the same.

Figure 3 is a transverse section in the plane of the valve operating stem on the line 3—3 of Figure 2.

Figure 4 is a perspective view of the bristle unit.

Figure 5 is a similar view of the assembled valve elements.

The device consists essentially of a head 10 which is hollow and is preferably of cylindrical construction to provide a reservoir having at one end a removable cap 11 to facilitate filling the same with the paint, polish or other material to be applied through the medium of the bristles 12 which are assembled independently of the head to form a separate unit and are secured in a plug or back 13 removably fitted in the socket 14 formed as an extension of the head and projecting radially therefrom. A handle 15 of any suitable construction also projects radially from the head, and adjacent to the socket in the bristle unit there is arranged a distributing hopper 16 having valved communication with the interior of the reservoir and provided with a narrow outlet 16' in the form of a slot extending parallel with and throughout the width of the brush unit ad-

jacent to the wall of the socket in which the brush unit is fitted so as to apply the paint or polish directly to the upper surface of the assembled or aggregations of bristles for capillary movement toward the extremities thereof.

The communication between the reservoir and the distributing hopper is established by means of a series of perforations 17 forming valve seats in which are fitted the tapered valve elements or pins 19 carried by a cross bar 20 to which is attached a valve stem 21 extending radially through the reservoir and provided with a thumb button or head 22 within reach of a finger of the hand grasping the handle. A coiled spring 22 is arranged on the stem exteriorly of the reservoir to yieldingly hold the stem in position to maintain the valve elements in their seated position. Pressure upon the button to a greater or less extent will unseat the valve elements correspondingly to permit of a graduated or regulable flow of liquid from the reservoir to the distributing hopper from whence it finds its way through the distributing slot or outlet to the bristles for application to the object to be treated.

Having described the invention, what is claimed as new and useful is:—

1. A fountain brush comprising a head consisting of a reservoir provided with a handle and with a brush unit opposite the handle, a hopper disposed above the brush unit for the supply of the same periodically with the contents of the reservoir, and a valve controlling communication between the reservoir and the hopper and consisting of a cross bar disposed within the hopper and provided with uniformly spaced tapered valve elements engaging in perforations in the wall between the reservoir and hopper, the stem passing slidingly through said hopper and having one end connected with the cross bar and the other end provided with a head exterior of the hopper and accessible to the end grasping the handle, and resilient means for impelling the stem in one direction to normally dispose the valve elements in seated relation with said perforations.

2. A fountain brush comprising a head consisting of a reservoir provided with a handle and a hopper in valved communica-

tion with the reservoir and disposed opposite the handle, a brush having a head, and a socket carried by the reservoir below the hopper and extending throughout the length thereof, the socket being open at one end for the removable reception of the brush head, the hopper having a discharge outlet at the

upper side of the socket for the supply of the brush bristles with the contents of the hopper.

In testimony whereof he affixes his signature.

GUSTAV WALTERS.