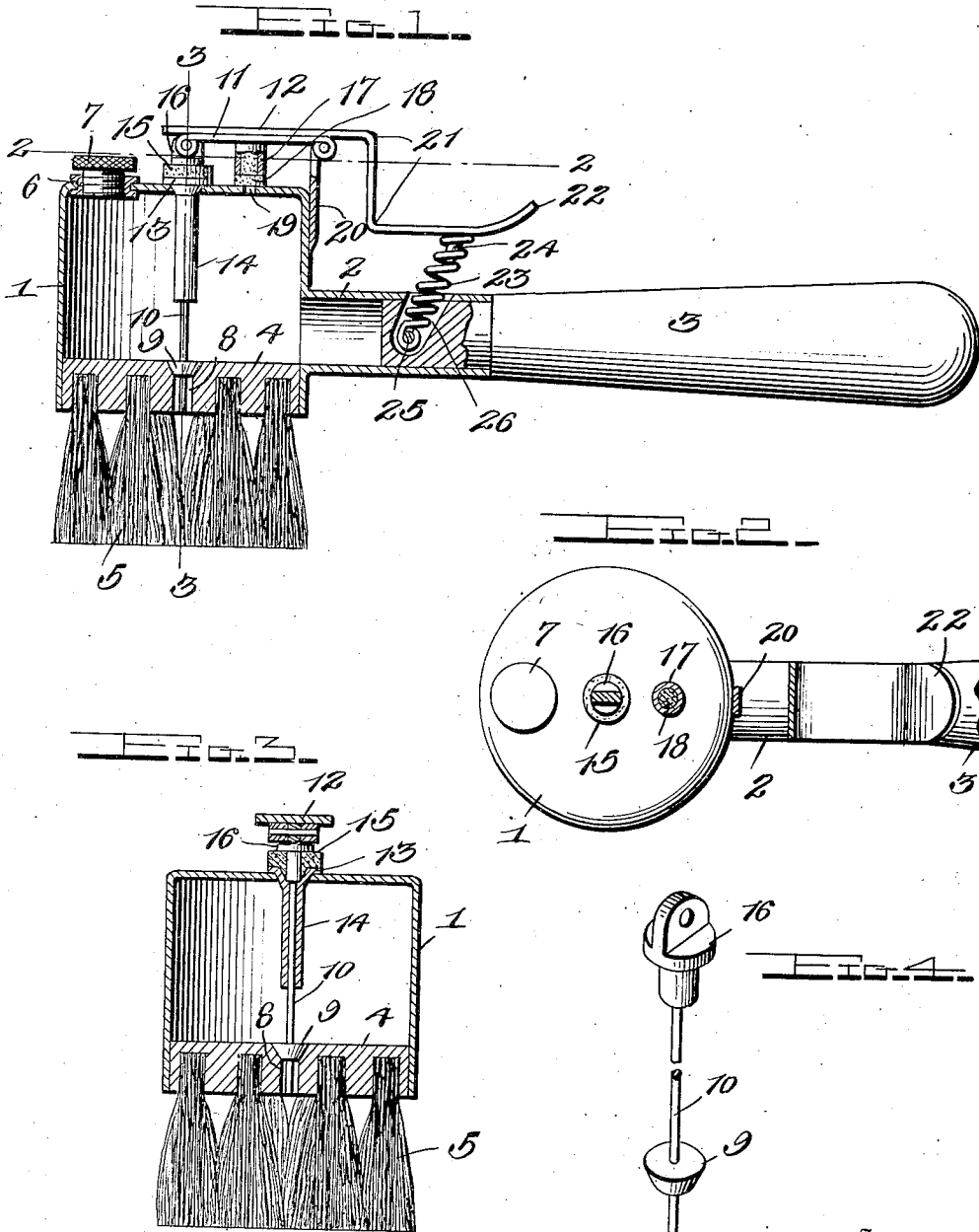


W. C. WELLS.
 FOUNTAIN BRUSH.
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1,060,046.

Patented Apr. 29, 1913.



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Witnesses

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UNITED STATES PATENT OFFICE.

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FOUNTAIN-BRUSH.

1,060,046.

Specification of Letters Patent.

Patented Apr. 29, 1913.

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To all whom it may concern:

Be it known that I, WILLIAM C. WELLS, a citizen of the United States, residing at Waterbury, in the county of New Haven and State of Connecticut, have invented certain new and useful Improvements in Fountain-Brushes, of which the following is a specification, reference being had to the accompanying drawings.

10 This invention relates to new and useful improvements in fountain brushes, the object of the invention being to provide a brush of the above character which may be used as a shoe blackening brush, stove brush or it may be used for various other similar purposes.

Another object of the invention is to provide a brush of the above character which carries a suitable supply of material and means for supplying the material to the bristles of the brush as it is needed.

Another object of the invention is to provide a brush of the above character which will possess advantages in points of efficiency and durability, is inexpensive to manufacture and at the same time is simple in construction and operation.

With the above and other objects in view, the invention consists in the novel features of construction and the combination and arrangement of parts hereinafter more fully described, pointed out in the claim and shown in the accompanying drawings in which,

35 Figure 1 is a longitudinal sectional view of a brush constructed in accordance with my invention. Fig. 2 is a sectional view on the line 2—2 of Fig. 1. Fig. 3 is a sectional view on the line 3—3 of Fig. 1 and Fig. 4 is a detail perspective view of the valve mechanism which controls the supply of material to the brush.

Referring more particularly to the drawings, 1 indicates the cylindrical body portion open at one end and which forms a suitable receptacle for the polishing material, said body being formed of brass or other suitable material and provided at one side with a tubular extension 2 in the outer end of which is suitably fitted a handle 3. Mounted in the open end of the body portion 1 is a brush head 4 in which are suitably mounted the bristles 5. The body 1 can be quickly and easily filled with any suitable polishing material through the opening 6

which is normally closed by means of the threaded plug 7. The polishing material contained in the body 1 is applied to the bristles 5 through an opening 8 formed in the central portion of the brush head 4. 60

The opening 8 is normally closed by means of the valve member 9 formed upon the lower end of the rod 10, the upper end of said rod being pivotally secured to the member 11 which is secured to the operating arm 12. The member 11 may be secured to the operating arm 12 in any suitable manner such as soldering or riveting. Arranged within the body member 1 and adapted to be supported by means of the annular flange 13 formed upon the upper end thereof is a tubular guide member 14 in which the rod 10 is slidably mounted so as to be guided thereby. Mounted upon the rod adjacent the upper end thereof is a packing member 15 so as to close the upper end of the tube 14 when the valve member 9 is in its normal position. This packing member is held securely in place by means of the flange 16 formed upon the rod 10 adjacent the upper end thereof. Formed integral with the member 11 and extending downwardly therefrom is a tubular portion 17 in which is arranged a packing member 18 which, when the arm 12 is in its normal position closes the air opening 19 formed in the closed end of the body portion. 75 80 85

The arm 12 is pivotally mounted upon the upper end of a support 20, one end of said arm being bent twice at right angles as shown at 21 and curved upwardly at its extreme end as shown at 22 to form a suitable finger engaging portion whereby the arm may be easily manipulated. A coil spring 23 is arranged beneath the curved end of the arm 12, one end of said coil spring being mounted upon the downwardly extending leg 24 while the other end of said spring is suitably secured to the cross pin 25 arranged in the lower end of the opening 26 which is formed in the inner end of the handle 3. 90 95 100

From the above description taken in connection with the accompanying drawings, it will be readily apparent that polishing material can be quickly and easily supplied to the body portion through the opening 6, and the bristles 5 can be readily supplied with material through the opening 8 by the manipulation of the operating arm 12. 11

Thus by pressure upon the curved end 22 of the arm 12, the valve 9 will be raised from its seat allowing the material to pass downwardly through the opening 8. When the end 22 of the arm 12 is released, the coil spring 23 will tend to return the valve 9 to its normal position. Thus it will be seen that the polishing material contained within the receptacle 1 may be supplied to the bristles as desired.

While I have shown and described the preferred form of my invention, it will be obvious that various changes in the details of construction and in the proportions may be resorted to for successfully carrying my invention into practice without sacrificing any of the novel features or departing from the scope thereof.

What I claim is:—

20 In a device of the character described, the combination of a cylindrical body portion open at one end, a brush head mounted in the open end of the body portion and having a plurality of bristles carried thereby, said brush head having an opening formed therein, a valve normally closing said opening, a support mounted upon said body portion and extending upwardly therefrom, a member having one end pivotally secured to the upper end of said support, a valve rod

formed integral with the valve and pivotally secured to the other end of said member, an operating arm having one end secured to the upper side of said member, the other end of said arm being bent twice at right angles and its extreme end being curved upwardly to form a finger engaging portion, a tubular portion formed integral with said member and extending downwardly therefrom, said body portion having an air opening formed therein and arranged beneath the tubular member, packing arranged within said tubular member and adapted to close said opening, a tubular extension formed integral with the body portion, a handle having one end arranged within said tubular extension, said handle having a recess formed in the inner end thereof, and a coil spring having one end secured in said recess and its other end bearing against the outer end of the operating arm to hold the valve member in a normally closed position.

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

WILLIAM C. WELLS.

Witnesses:

H. EDGAR G. ADAMS,
ROCH GUILBERT.