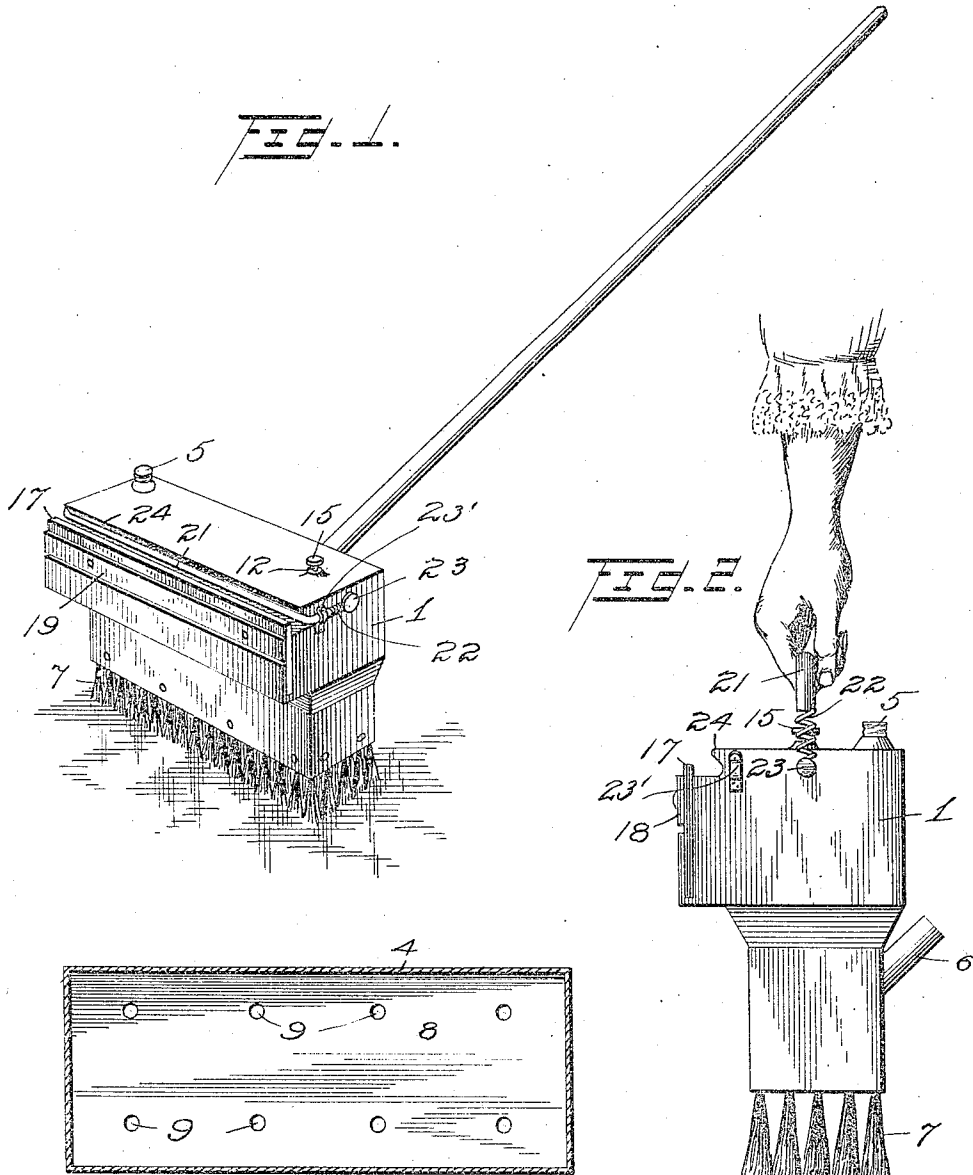


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 FOUNTAIN BRUSH.  
 APPLICATION FILED AUG. 28, 1911.

1,055,564.

Patented Mar. 11, 1913.  
 2 SHEETS—SHEET 1.



Witnesses  
*E. Duffy*  
*E. Hunt*

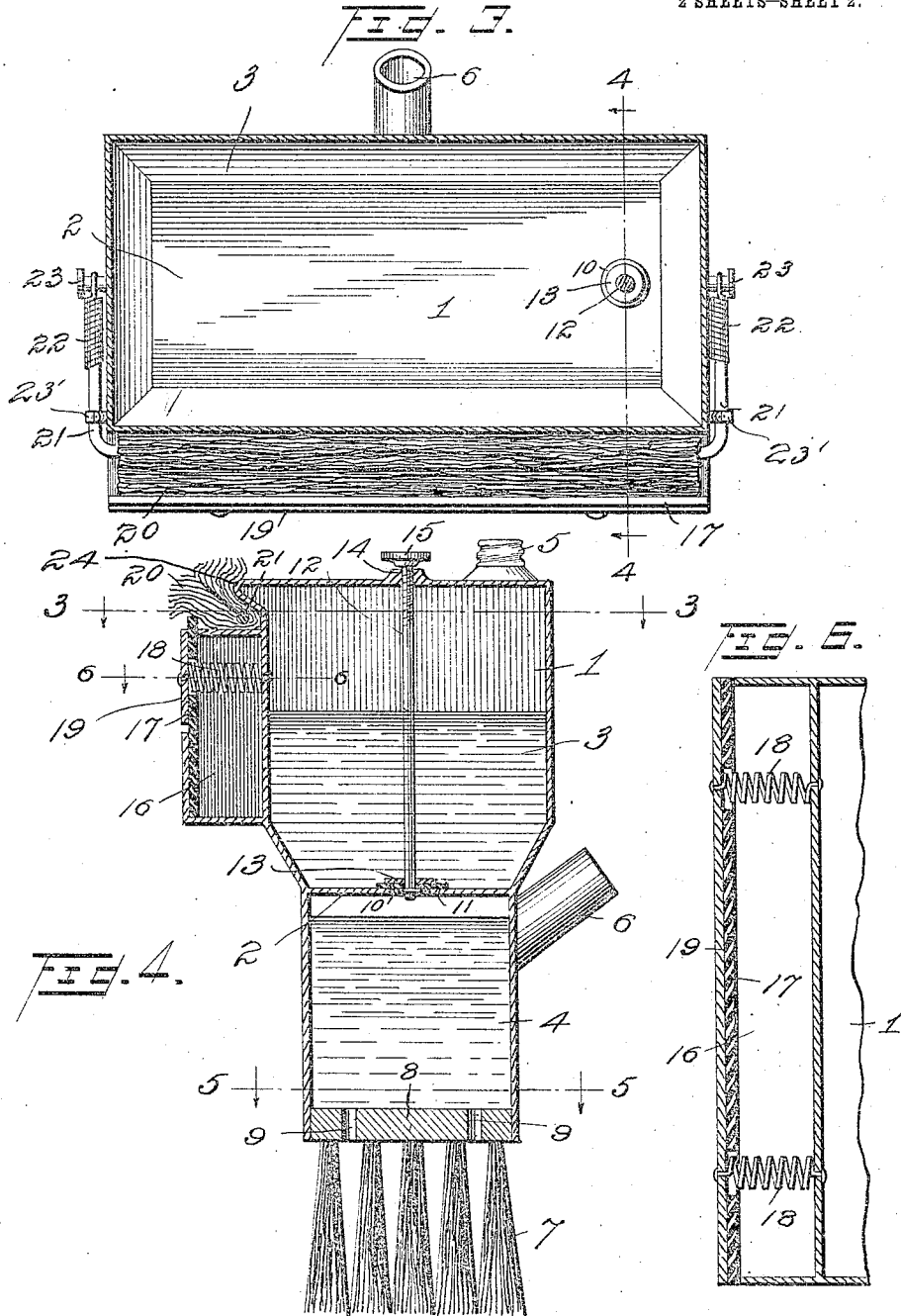
Inventor  
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# UNITED STATES PATENT OFFICE.

MICHAEL HENRY SHANLEY, OF GRANBURY, TEXAS.

## FOUNTAIN-BRUSH.

1,055,564.

Specification of Letters Patent.

Patented Mar. 11, 1913.

Application filed August 28, 1911. Serial No. 646,429.

*To all whom it may concern:*

Be it known that I, MICHAEL HENRY SHANLEY, a citizen of the United States, residing at Granbury, in the county of Hood and State of Texas, have invented certain new and useful Improvements in Fountain-Brushes; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in fountain brushes.

One object of the invention is to provide a fountain brush having in connection therewith means for wiping the surface after the latter has been scrubbed by the brush.

A further object is to provide a brush of this character having means whereby a wiping cloth may be secured thereto in position for use, said cloth holding mechanism also being adapted to form a yielding support or spring handle whereby the device may be conveniently carried and employed as a sprinkler.

With these and other objects in view the invention consists of certain novel features of construction, and the combination and arrangement of parts as will be more fully described and claimed.

In the accompanying drawings: Figure 1 is a perspective view of my improved brush; Fig. 2 is an end view thereof showing the manner in which the same is employed as a sprinkler; Fig. 3 is a horizontal sectional view on the line 3—3 of Fig. 4; Fig. 4 is a vertical cross sectional view on the line 4—4 of Fig. 3; Fig. 5 is a horizontal sectional view on the line 5—5 of Fig. 4; Fig. 6 is a detail horizontal sectional view on the line 6—6 of Fig. 4 showing the manner in which the wiping device is yieldingly secured to the body portion of the brush.

My improved brush comprises a hollow body portion or reservoir 1 which may be constructed of any suitable material and in any suitable shape, said body portion being here shown and is preferably of rectangular oblong form. The body portion 1 is divided by a horizontally disposed partition 2 into upper and lower compartments 3 and 4, said lower compartment 4 being preferably of somewhat less width and length than the upper compartment. The upper com-

partment 3 forms a reservoir and is adapted to hold the water or other fluid to be supplied to the brush. In the top of the body or upper compartment is formed a filling opening which is normally closed by a screw cap 5 or other suitable form of closure.

Secured to the rear side of the lower compartment 4 is a handle socket 6, said socket being disposed at a suitable angle for holding the handle at the proper inclination. Arranged in and secured in any suitable manner to the lower edges of the compartment 4 of the body 1 is a scrubbing brush 7, said brush having a back 8 which fits closely into the lower end of the compartment 4 and is provided with a series of discharge passages 9 through which the water or other fluid is adapted to flow from the compartment 4 and onto and between the bristles 7 whereby the fluid reaches the floor. The water from the upper compartment or reservoir 3 of the body 1 is permitted to flow into the lower compartment 4 through a water discharging passage 10 formed in the bottom of the compartment 3 near one end thereof as shown. The passage 10 is adapted to be opened and closed to a greater or less extent for cutting off the flow of water from the reservoir to the lower portion of the body or for regulating the flow by means of a valve comprising a flat disk or washer 11, the diameter of which is slightly greater than the diameter of the passage 10 and which is secured to the lower end of a threaded valve operating rod 12, said rod having arranged thereon and engaging the upper side of the valve 11 a compressing plate 13. The threaded upper end of the valve stem 12 is engaged with and projects above a threaded passage 14 formed in the top of the reservoir 3 and on the projecting upper end of the valve stem is arranged a milled head 15 whereby the stem is screwed upwardly and downwardly to open and close the valve. When the stem is screwed downwardly to close the valve the plate 13 will hold the latter in fluid tight engagement with the bottom 2 of the reservoir compartment around the edges of the discharge opening therein.

Arranged on the front side of the upper compartment or reservoir 3 of the body 1 is a flat rectangular compartment 16 closed on all sides except the front, which is left open at its upper portion as shown. Secured in the lower portion of the front side of the

compartment 16 between the front wall thereof and the outer edges of the end walls is a sheet or strip 17 of rubber or other suitable material. The sheet or strip 17 is of sufficient width to extend entirely across the front of the compartment 16 and to project a slight distance above the upper end thereof as shown. The upper portion of the strip or sheet 17 which covers the open upper portion of the front of the compartment 16 is loose and is held in yielding engagement with the outer edges of the upper portion of the ends and the top of the compartment by coiled springs 18 the inner ends of which are secured to the front side of the compartment 3, while their outer ends are passed through the sheet or strip 17 and are secured to a metal clamping strip 19 arranged on the outer side of the sheet 17 as shown. By thus arranging and securing the sheet 17 the projecting upper edge thereof forms a wiper by means of which the surface after being scrubbed by the brush may be wiped off. The wiper formed by the projecting edge of the strip 17 also serves as an efficient means for cleaning and drying windows.

In addition to the wiping mechanism just described I also preferably provide means whereby a wiping cloth or mop 20 may be secured in operative position to the upper portion of the body 1. My improved means for holding a cloth or mop comprises a bail shaped rod 21 having secured to its ends coiled springs 22 the outer ends of which are secured to studs 23 arranged on the ends of the reservoir or upper portion of the body 1 as shown. The bail shaped rod 21 is arranged above the top of the compartment 16 and is adapted to clamp the cloth or mop 20 between said top and an overhanging or forwardly extending projection or lip 24 formed on the upper portion of the reservoir or upper portion of the body 1 as clearly shown in Fig. 4 of the drawings forming a rod seat in the side of said brush. The cloth or mop 20 when thus secured to the reservoir or upper portion of the body 1 has its outer portion projecting beyond the adjacent portions of the body and in position to be engaged with the surfaces to be wiped.

The springs 22 on the ends of the bail shaped rod 21 cause the latter to firmly grip and hold the mop or cloth in position and also permit the rod to be drawn out-

wardly and disengaged from beneath the projection 24 whereby the cloth is thus removed. After being drawn outwardly to permit the removal of the cloth the rod 21 may be swung upwardly over the top of the reservoir or upper compartment of the body 1 to form a resilient handle whereby the device may be employed as a sprinkler as clearly shown in Fig. 2 of the drawing. Spring clips 23' are secured to the ends of said brush body in alinement with the studs 23 and are designed to yieldably retain said rod in its seat. It will therefore be observed that when the bail shaped rod 21 is used as a handle for the brush the same is rendered sufficiently yielding by the connecting coiled springs 22 to permit the water to be jarred out of the receptacle when the brush is used as a sprinkler.

In practice the sheet or strip 17 which forms the wiper and front wall of the mop or cloth receiving and holding receptacle is preferably constructed of rubber, but it is obvious that other flexible material of similar character may be used without departing from the nature of the invention.

From the foregoing description taken in connection with the accompanying drawings the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of the invention as claimed.

Having thus described my invention, what I claim is:

The combination with a body, of a mop holder comprising a receptacle, the latter having a projection forming the upper wall of the receptacle, a yielding vertical front wall secured to said body, the upper edge of which extends above said receptacle, a yielding bail hingedly attached to the body for engagement with the mop to be secured within the receptacle, and means for holding said bail against the mop.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

MICHAEL HENRY SHANLEY.

Witnesses:

TILMAN BUTLER,  
A. LEONARD MITCHELL.