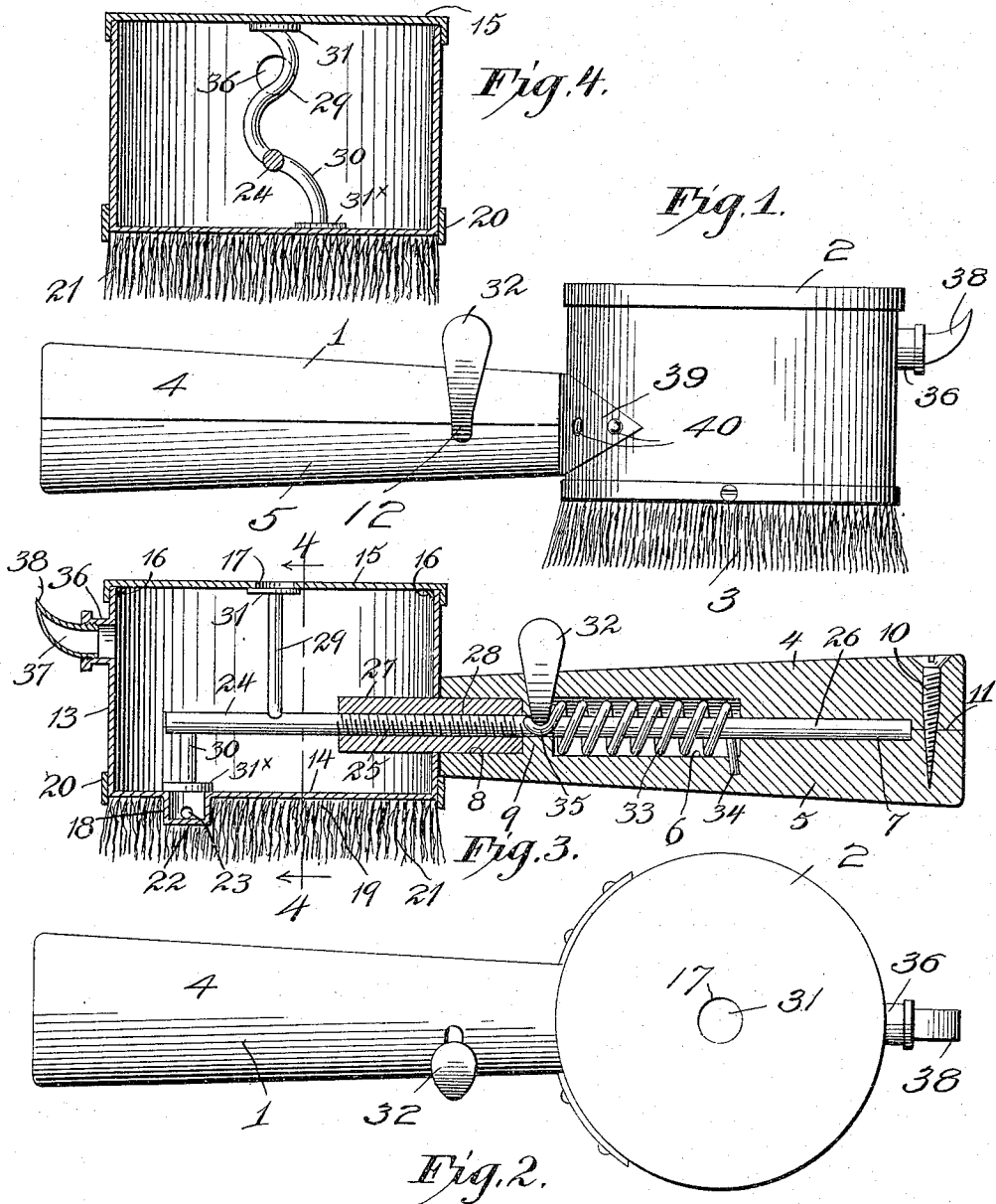


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BLACKING BRUSH.
APPLICATION FILED JUNE 27, 1914.

1,146,718.

Patented July 13, 1915.



Witnesses

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BLACKING-BRUSH.

1,146,718.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, THEODORE LANDIS, a subject of the King of Greece, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Blacking-Brushes; and I do hereby 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 new and useful improvements in blacking brushes, and has for its principal object to provide a fountain shoe blacking brush of simple and efficient construction which may be easily and quickly operated.

Another object of the invention is to provide a device having a novel means for rendering the blacking container liquid-tight at the point where the operating rod extends thereinto.

A further object of the invention is to provide a means for returning the brush to its normal position after it has once been placed in use.

With these and other objects in view, the invention consists in the novel combination and arrangement of parts which will be fully set forth in the following specification and accompanying drawings, in which,

Figure 1 is a side view in elevation of a blacking brush constructed in accordance with this invention, Fig. 2 is a top plan view thereof, Fig. 3 is a longitudinal sectional view, and Fig. 4 is a transverse sectional view taken on line 4-4 of Fig. 3.

Referring now to the drawings by characters of reference, the numeral 1 designates as an entirety the handle portion of the device which is secured to the liquid container designated generally by the numeral 2. This liquid container carries a brush which is designated generally by the numeral 3, and which is arranged to be moistened by the contents of the container.

The handle portion 1 hereinbefore referred to, preferably comprises a pair of semi-cylindrical members 4 and 5, each of which is provided with a recess 6, with

which the groove 7 communicates. These recesses and grooves form respectively chambers and axial recesses when the device is in assembled position. A similar recess 8 is provided in the forward end of the handle and is separated from the recess 6 by means of the partition wall designated by the numeral 9. A suitable screw 10 is provided and arranged to assist in holding the two members 4 and 5 in their proper position. Each of these members 4 and 5 is provided with a flat face 11 which faces are arranged to engage each other when the device is assembled. Secured to the member 4 near the forward end are a pair of depending lugs which are arranged to engage registering recesses formed in the member 5 and cooperate with the screw 10 in holding the member 4 in its proper position. This member 4 and the member 5 each are provided with a suitable transverse slot 12, the use of which will appear as the description proceeds.

The liquid container 2, hereinbefore referred to, comprises the cylindrical body portion 13 formed with the end closure 14. The opposite end of the body portion 13 is provided with the top 15 which is slotted or otherwise secured to the body portion as at 16. This top is provided with a central air inlet opening 17 which cooperates with the liquid outlet opening 18 to permit the liquid to flow from the interior of the container. Removably secured to the closure 14 of the container is a suitable bristle-holding element 19 which is provided with the annular flange 20 which is arranged to overlie the cylindrical body portion 13 and thus removably hold the brush element which is designated generally by the numeral 3, in place. This bristle-holding member carries the bristles 21 which are used in cleaning the shoes when the device is in use. A suitable chamber 22 is provided and is arranged so that the opening registers with the opening 18 in the bottom 14 of the container 2. This chamber is provided with a plurality of apertures 23 through which the liquid, which passes from the container into the brush, will pass when the device is used.

In order to control the flow of the liquid

from the container 2 into the brush, there is provided a suitable valve mechanism, which will be more fully hereinafter described. This valve mechanism comprises the shaft 5 24 which is provided with the threaded portion 25, the opposite end of which terminates in the cylindrical extension 26. This threaded portion is arranged to fit the sleeve 27 which is provided with the internal screw 10 threads 28, and with which the screw threads of the threaded portion 25 are arranged to coöperate. Extending angularly from the shaft 24 are provided the valve stems 29 and 30, which are arranged to control the air 15 and liquid outlet valves respectively. Each of these valve stems carries at its free terminal the valve 31 which may be formed of rubber or any other suitable material. These valves are of sufficient size to close the air 20 inlet opening 17 and the liquid outlet opening 18 respectively and thus prevent any leakage of liquid when the device is not in use. The cylindrical extension 26 formed on the screw threaded portion 25 is provided 25 with an axial threaded recess in which the reduced end of the thumb piece 32 is secured. This thumb piece extends through the slots 12 formed in the members 4 and 5, and is arranged to extend beyond the outer 30 surface of the handle portion to be engaged by the thumb of the operator when the device is in use. Surrounding the cylindrical portion 26 is a suitable coil spring 33, one end of which is secured within the bottom 35 member 5 as at 34, and the opposite end terminates in the hook member 35 which is arranged to engage the thumb piece 32 to normally hold the valves in their closed position.

40 In order to fill the container 2 there is provided a tubular stem 36 in which the plug 37 is arranged to be threaded. This plug 37 terminates in the blade 38 which is preferably curved and pointed to provide a 45 means whereby mud may be scraped from the soles of the shoes which are to be cleaned.

It will be evident from the foregoing that the device is first assembled by riveting or otherwise securing the member 5 carrying 50 the extension 39, to the cylindrical body portion 13 as at 40. The sleeve 27 is then placed on the threaded portion 25 of the shaft 24 and the whole then inserted in the apertures through which the sleeve projects. 55 The valves are then arranged so that they engage their respective apertures and the closure 15 then slotted or otherwise secured as at 16 to the cylindrical body portion 13. The thumb piece 32 is then threaded in 60 place and the sleeve 27 slotted or otherwise rigidly and tightly secured to the cylindrical portion 13 and the spring 33 is then slipped over the sleeve end 26 of the shaft in such a position that it is secured as at 34

to the handle portion 5, and the opposite 65 end hooked around the member 32. The co-operating handle portion 4 is then secured in place by means of the screw 10, and the device is then in condition for operation. The plug 37 is removed and the container 70 filled with the desired liquid, and upon pressing the thumb piece 32 downwardly against the hook 35 of the spring 33, it will be apparent that the liquid will pass from the container 13 into the chamber 22 and out 75 through the apertures 23 into the brush 21, and the process of cleaning the shoes may then proceed. When the desired condition of the shoes has been obtained, the operator by removing his thumb from the cross piece 80 32 will permit the valves to again close and stop the flow of liquid into the brush.

While in the foregoing there has been shown and described the preferred embodiment of this invention, it is to be understood 85 that such changes may be made in the combination and arrangement of parts as will fall within the spirit and scope of the invention as defined in the appended claims.

Having thus described my invention, I 90 claim:

1. A fountain brush including a liquid receptacle, a handle secured to the liquid receptacle, the handle being provided with an axial bore, a tubular body extending through 95 the wall of the receptacle, the tubular body being internally screw threaded, a shaft rotatable within the tubular body, a spring to normally hold the shaft in a predetermined position, the liquid-containing chamber 100 being provided with a liquid outlet port and an air inlet port, valves carried by the shaft and arranged to close the ports, and a thumb piece carried by the shaft to rotate the same against the pressure of the spring 105 and open the ports.

2. A fountain shoe brush including a liquid receptacle, a handle secured to said receptacle, the handle being provided with an axial bore, a tubular body extending into 110 said axial bore, said tubular body extending through the wall of the receptacle and partially thereinto, said body being provided with internal screw threads, a shaft rotatable within the body, said shaft being 115 threaded to correspond to the threads within the body, the handle being provided with a chamber spaced inwardly from the axial bore, the shaft being mounted to rotate within the cylindrical body and within the 120 handle, a spring in the chamber, to hold the shaft in a predetermined position, the handle being provided with an arcuate slot, an arm secured to the shaft and extending through the slot, said arm forming a thumb 125 piece by which the shaft is rotated, a liquid-receiving chamber being provided with a liquid outlet, and having an air inlet formed

therein, curved arms carried by the shaft,
valves supported on the ends of the arms
and arranged to close the air inlet and liq-
uid outlet openings in the chamber, a brush
5 supported on the bottom of said chamber,
and means to distribute the liquid passing
through the outlet opening over the brush
to insure the proper saturation of the same.

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

THEODORE LANDIS.

Witnesses:

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
Washington, D. C."