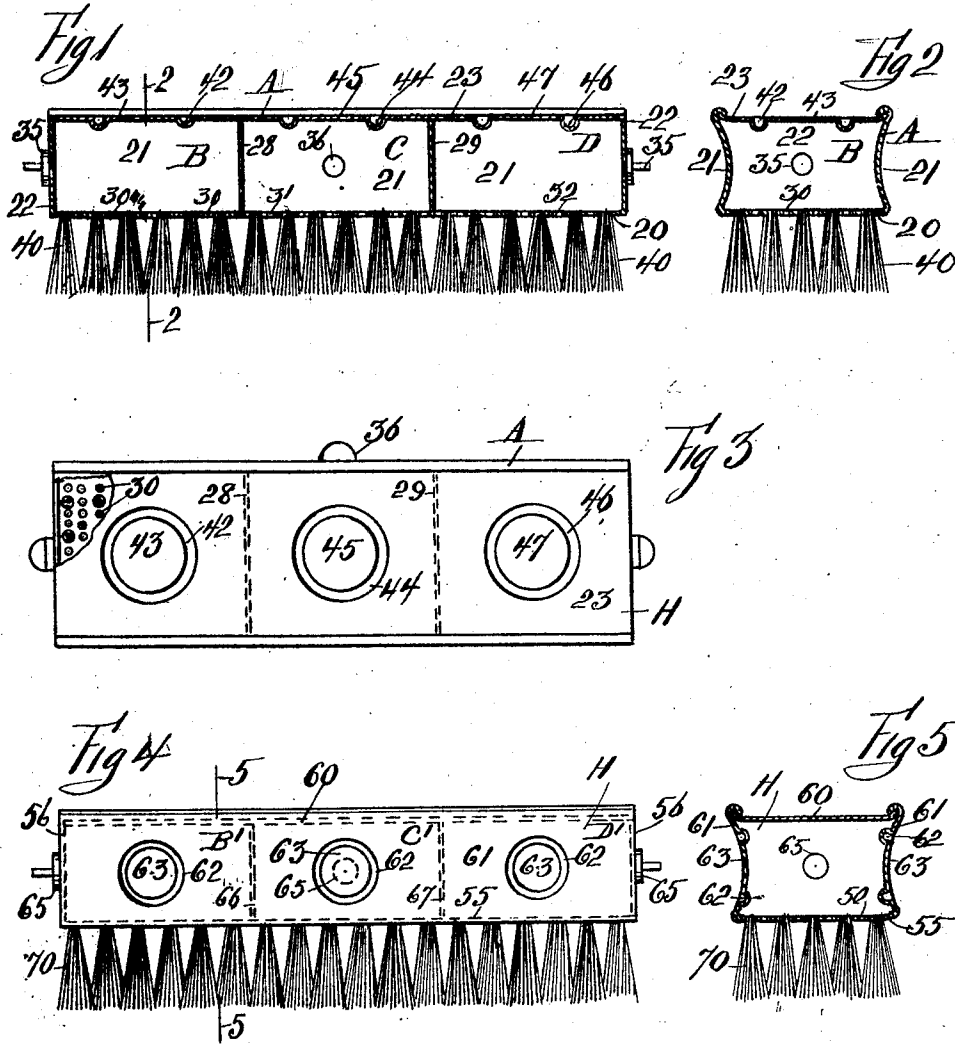


Dec. 14, 1926.

1,610,595

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FLUID FEEDING BRUSH
Filed Oct. 22, 1923



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FLUID-FEEDING BRUSH.

Application filed October 22, 1923. Serial No. 670,067.

The object of this invention is the production of a fluid feeding brush, in which the bristles thereof may be fed with a fluid by the operator.

A second object is the production of a brush in which its bristles may be fed with different fluids as required.

The organization of the invention comprises a casing with a plurality of chambers having bristles extending from one of the walls of each, and openings formed therein. Another wall of each chamber can be depressed to discharge a fluid therein through the openings in the other wall to feed the bristles.

In the accompanying drawings Fig. 1 represents a vertical longitudinal section of a brush exemplifying the invention; Fig. 2 shows a section of Fig. 1 on the line 2, 2; Fig. 3 indicates a top plan view partly broken away of Fig. 1; Fig. 4 shows a side elevation of a brush with a modification of the invention and Fig. 5 is a section of Fig. 4 on the line 5, 5.

Referring to Figs. 1 to 3, the brush comprises a casing indicated in its entirety by the letter A. The casing is provided with the bottom wall 20, the curved side walls 21, the straight end walls 22 and the top wall 23 located below the top ends of the said side walls. Partitions 28 and 29, between the bottom wall 20, the top wall 23 and the side walls 21 divide the casing A in this instance into the chambers B, C and D. Outlet openings 30 are formed in the wall 20 for the chamber B. Outlet openings 31 somewhat larger than the outlet openings 30 are formed in the wall 20 for the chamber C and outlet openings 32 somewhat larger than the outlet openings 30 are formed in the wall 20 for the chamber D. A screw plug 35 is in engagement with an inlet opening in each of the end walls 22 and a similar screw plug 36 is provided for an inlet opening in one of the side walls 21 for the chamber C. Bristles 40 extend outwardly from the wall 20. An annular depression 42 is formed in the wall 23 for the chamber B, forming the depressible disc 43. A similar depression 44 is formed in the wall 23 for the chamber C forming the depressible disc 45 and a similar depression 46 is formed in the wall 23 for the chamber D, forming the disc 47.

In Figs. 4 and 5 a casing H is indicated

similar to A, with a bottom wall 55 similar to 20, end walls 56 similar to 35, a top wall 60, curved side walls 61 with annular depressions 62 forming discs 63. Screw plugs 65 similar to 35 are provided for inlet openings in the end walls 56 and a similar screw plug 65 is provided for an inlet opening in one of the walls 61 for the chamber C. Partitions 66 and 67 divide the casing H into chambers B¹, C¹ and D¹ respectively similar to B, C and D. Bristles 70 similar to 40 extend from the wall 55. The top and bottom edges of the side walls 61 are spaced from the plane of the disc 63, to prevent the latter being inadvertently depressed.

To use the brush exemplified in Figs. 1 to 3, a cleaning fluid like benzine or gasoline is introduced into the chamber B through the opening for the screw plug 35 in its end wall 22, and in a similar manner water, water vapor or steam may be introduced into the chamber C and a paint eradicating fluid may be introduced into the chamber D. The operator is then prepared to use the brush on a piece of cloth or other material to be cleaned. The brush is grasped by the fingers of the user bearing against the curved side walls 21, and by pressing on any of the discs 43, 45 or 47 the air in the chambers B, C and D is compressed, and the respective fluids in said chambers are discharged therefrom through the openings in the bottom wall 20 to feed the bristles 40. The top edges of the side walls 21 projecting above the plane of the top wall 23 prevent the discs 43, 45 and 47 being inadvertently depressed.

In the brush indicated in Figs. 4 and 5 the fluids are discharged from its chambers by depressing the discs 63 in its side walls 61.

Various modifications may be made in the invention without departing from the spirit thereof and the present exemplification is to be taken as illustrative and not limitative thereof.

Having described my invention, what I desire to secure by Letters Patent and claim is:—

In a fluid feeding brush the combination of a casing, partitions in the casing forming therewith a plurality of chambers for fluids, said casing having outlet openings for each

of said chambers, bristles extending outwardly from the casing adjacent to said outlet openings, said casing having inlet openings for the fluids to be introduced into each of said chambers, a screw plug for each inlet opening, a depression in the casing for each of the chambers thereof providing diaphragms, to discharge the fluids from the

chambers to the bristles coacting with each chamber.

Signed at the borough of Manhattan, city of New York, in the county of New York and State of New York, this 4th day of October A. D. 1923.

MORRIS D. RUDOLPH.