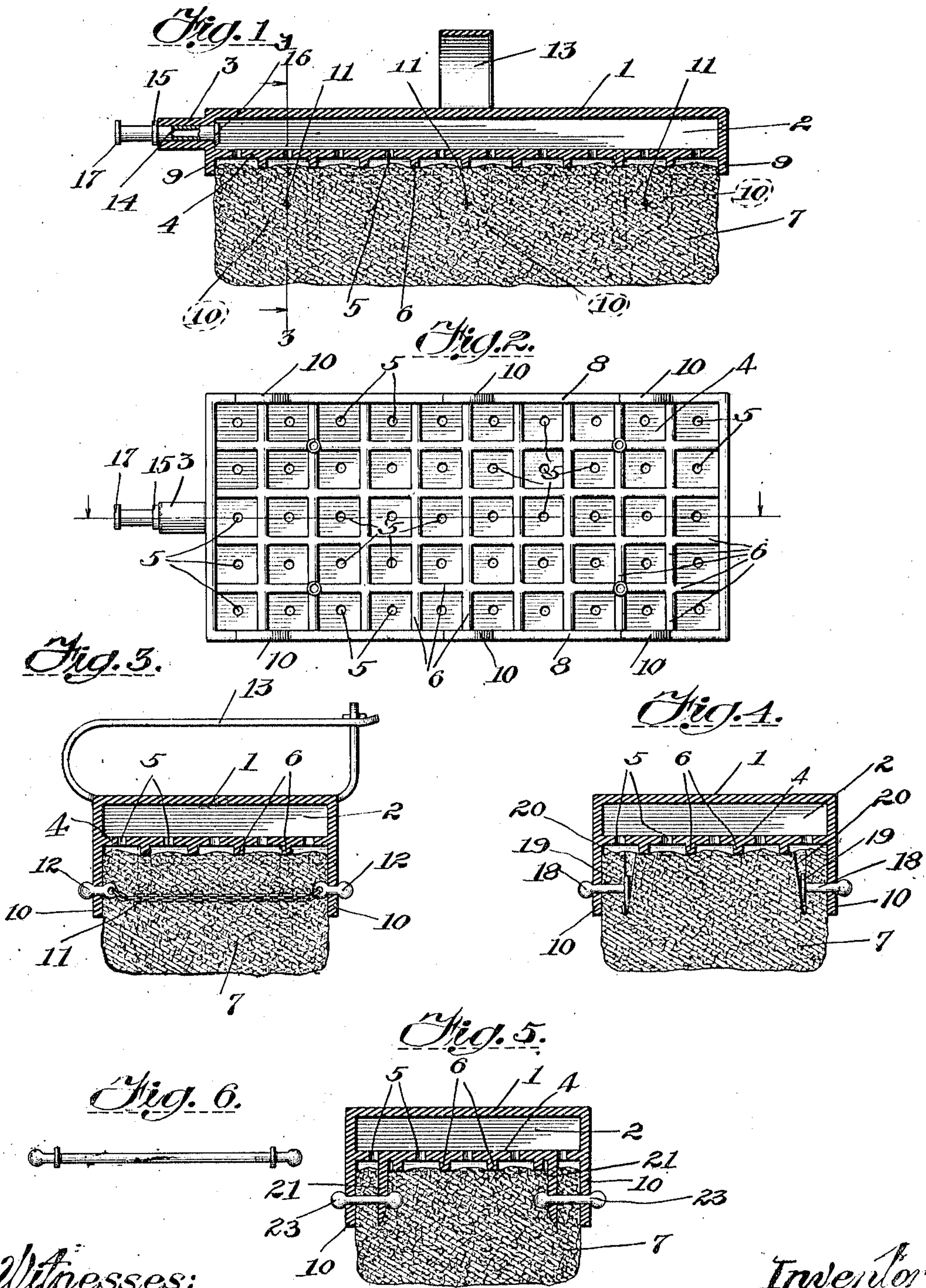


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 FOUNTAIN BATH BRUSH HAVING SPONGE SURFACE.
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956,105.

Patented Apr. 26, 1910.



Witnesses:
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UNITED STATES PATENT OFFICE.

BURTON D. KNICKERBOCKER, OF CHICAGO, ILLINOIS.

FOUNTAIN BATH-BRUSH HAVING SPONGE SURFACE.

956,105.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, BURTON D. KNICKERBOCKER, citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a certain new and useful Improvement in Fountain Bath-Brushes Having Sponge Surfaces, of which the following is a full, clear, concise, and exact description, reference being had to the accompanying drawing, forming a part of this specification.

My invention relates to certain improvements in bath brushes or scrubbers, and it has for its object to provide an improved construction of brush whereby water may be supplied continuously to a sponge surface of the brush, the water supply being uniform throughout.

I have shown the preferred embodiment of my invention in the accompanying drawings, in which:

Figure 1 is a longitudinal section of the brush; Fig. 2 is a view looking at the underside of the back of the brush, the sponge being removed; Fig. 3 is a transverse section on the line 3-3 in Fig. 1; Figs. 4 and 5 are transverse sections of the brush showing modifications of the means for securing the sponge in place; and, Fig. 6 is a perspective view of a modification of the securing means shown in Fig. 3.

In the preferred embodiment of my invention, I provide a back 1, which is formed of rubber or other flexible material, and is provided with a chamber or receptacle 2. A tube 3 is molded with the back, preferably upon the rear end, and forms a duct whereby the water may be admitted to the receptacle 2 through a suitable flexible tube or hose. The face 4 of the back, as shown, has a series of perforations 5 formed therein, and also has a series of ribs 6 arranged transversely and longitudinally thereon to prevent the sponge 7 from lying in close engagement with said face, thereby allowing a free flow of water through the perforations. The sponge 7 also preferably made of rubber is fitted closely between downwardly projecting sides 8 and ends 9 of the back of the brush. The water may be continuously supplied in any quantity desired to the contact surface of the sponge by passing through the tube 3 into the chamber or receptacle 2 and thence out through the perforations in the face of the back

and through the sponge to the face of the same.

For holding the sponge in position upon the back, I may provide a plurality of downwardly projecting ears 10 preferably made integral with the sides 8, and the buttons 12, secured to the sponge and arranged to engage within apertures in these ears. These buttons may be secured to the sponge in any desired manner, several ways of doing this, which occur to me, being shown in the drawings. In Fig. 3 I show a chain 11 which passes transversely through the sponge and is attached to the inner ends of these buttons 12. The chain 11 is passed through the sponge at a point lower than the point where the buttons pass through the ears in order that the chain when attached to the buttons will hold the sponge into close relation with the face of the back, and any tendency of the sponge to slip out of position will be prevented.

For connecting the tube 3 with a hose I provide a connector 14 provided with a central bore for the passage of the water and having upon its periphery shoulders 15 and 16, which prevent it from being disengaged from the tube, and a shoulder 17 to prevent it from being displaced from the hose with which it may be connected. A handle 13 of any desired form and construction may be provided upon the back of the brush and preferably takes the form of two strips of rubber formed integral with the brush and fastened together at their outer ends, and between this handle and the brush the hand is adapted to rest.

In Fig. 4 is shown one of the other methods which I have devised for holding the sponge in position against the back. As shown in Fig. 4, instead of having a chain passing through the sponge, I provide the buttons 18, with flattened inner portions 19 which engage the walls of the downwardly extending slots 20 in the sponge.

Another form of securing means is shown in Fig. 5. In this form I provide upon the under surface of the back downwardly extending lugs 21, which are arranged opposite the ears 10 and project into slots in the sponge. The buttons 23, which engage in apertures in the outer ears 10, are provided with portions which pass through parts of the sponge and the inner lugs 21, thus holding the sponge in place.

In Fig. 6 is shown a rod which may be used in place of the chain 11 shown in Fig. 3.

While I have shown various means for holding the sponge in position upon the back, it will be understood that I do not limit myself thereto, and if it is desired, the sponge may be cemented to the sides 8 and ends 9 of the back and held in position in this manner. In fact the part having the sponge surface may be mounted upon the hollow back in any preferred manner.

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

1. In a brush, the combination with a flexible back provided with an interior chamber or receptacle and having perforations in the face thereof, of a porous body secured to said back, and ribs on the face of the back to prevent said body from closing said perforations.

2. In a brush, the combination with a

flexible back provided with an interior chamber or receptacle and having perforations in the face thereof, of a porous body, ribs arranged on the face of said back to prevent said body from closing said perforations, ears depending from said back, and means for securing said body to said ears.

3. In a brush, the combination with a flexible back provided with an interior chamber and having perforations in the face thereof, ears depending from said back, a porous body disposed proximate to said back, buttons for engaging within apertures in said ears, and means for securing said buttons to said porous body.

In witness whereof, I have hereunto subscribed my name in the presence of two witnesses.

BURTON D. KNICKERBOCKER.

Witnesses:

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