March 12, 1935. L. T. WEBSTER 1,994,413

BATH SPRAY BRUSH

Filed Feb. 4, 1933

Fig. 1.

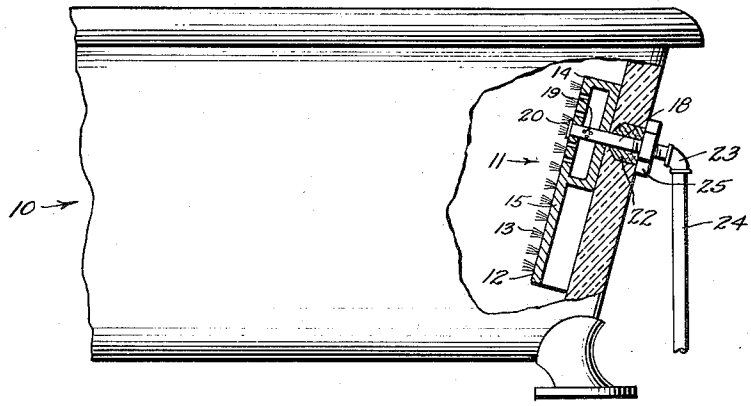


Fig. 2.

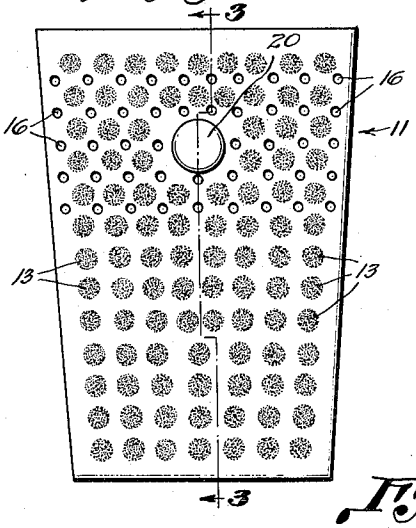


Fig. 3.

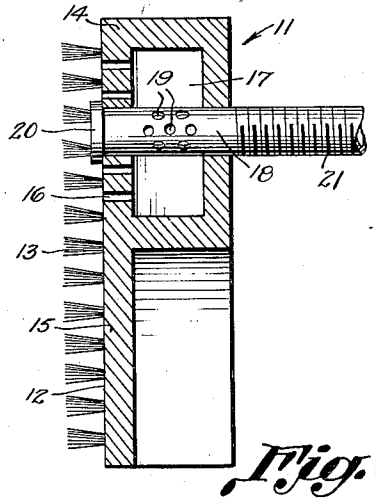


Fig. 4.

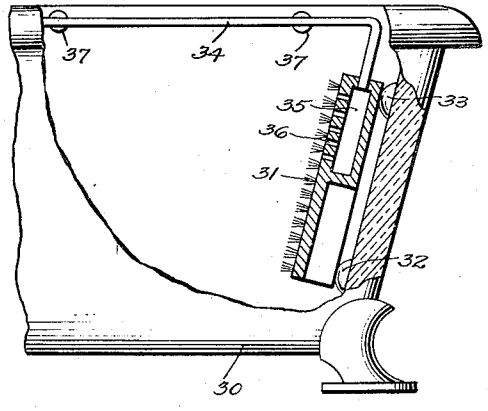
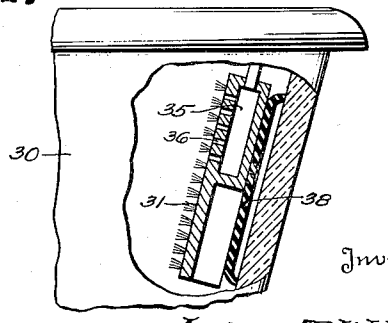


Fig. 5.



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UNITED STATES PATENT OFFICE

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BATH SPRAY BRUSH

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Application February 4, 1933, Serial No. 655,246

2 Claims. (Cl. 4—184)

This invention relates to a bath spray brush and has for an object to provide an improved brush which may be permanently or temporarily attached to the bath tub in a position to simultaneously bathe or brush the bather's back.

A further object of this invention is to provide an improved bath spray brush which may be permanently secured in a bath tub and which will serve to spray water on the bather's back or other parts of his body simultaneously with the brushing operation thereof.

A further object of this invention is to provide a bath spray brush which may be quickly and easily attached to and detached from any conventional type of bath tub and which will be supported therein by means of one or more vacuum cups.

Still a further object of this invention is to provide a bath spray brush which may be first covered with soap suds so as to brush soap onto different parts of the anatomy of the bather and then may be used to spray water on the same parts while the brushing operation is continued to thereby wash off the soap in a cleansing operation.

With the foregoing and other objects in view, as will hereinafter become apparent, this invention comprises the constructions, combinations and arrangements of parts, hereinafter set forth, disclosed and shown on the accompanying drawing. In this drawing,

Figure 1 is a side elevation of a bath tub, partly broken away to show the spray brush applied.

Figure 2 is a front elevation of the bath spray brush.

Figure 3 is a sectional view taken on the line 3—3 of Figure 2.

Figure 4 is a modification of the invention, showing the same detachably applied to the bath tub by means of vacuum cups.

Figure 5 is another modification of the invention showing the same applied by means of one large vacuum cup.

There is shown at 10 in Figure 1 a bath tub to which a permanently attached form of this bath spray brush 11 has been secured. The body 12 of this brush 11 is preferably made of rubber or other suitable material and has a plurality of groups of bristles 13 secured at the front face thereof preferably by vulcanizing when the body 12 is of rubber.

The body 12 is divided into an upper brush and spray portion 14 and a lower brush portion 15. The brush and spray portion 14 has a plurality of spray holes 16 leading to the front face thereof from a cavity 17 formed within the body 12.

Passing through the brush and spray portion 14 of the brush 11 is a water pipe 18 which serves both as a means for spraying water into the cavity 17 through the holes 19 leading to the inside of the pipe 18 and also as a securing means for permanently holding the brush 11 in the tub 10. The inside end of the pipe 18 is formed into an enlarged flange 20, while the outside end of the pipe 18 is threaded as at 21 where it passes through a packing 22 in the tub 10 to be secured by an elbow 23 to a water supply pipe 24.

Obviously any appropriate means such as faucets or the like may be supplied for controlling the flow and current of water of the pipe 24 into the pipe 18 and brush 11.

A nut 25 on the said end 21 of pipe 18 tightened up against the outside of the packing 22 of the tub 10 serves to hold the pipe 18 and hence the brush 11 securely in position.

When in operation the tub 10 will usually be at least half full of water, and it is for this reason that the cavity 17, which leads the water pressure from the pipe 18 through the spray opening 16, does not extend any lower than shown.

A cake of soap may be rubbed over the bristles 13 to provide a good soap suds, and then the bather on leaning his back against the brush 11 may thoroughly soap and brush the same while the water supply is cut off. Thereafter the water supply is turned on at a convenient faucet and the soap suds will be washed off the brush and off the bather's back, taking with it all the perspiration, grime, etc. collected thereon and scrubbing and rinsing the bather's back or other parts of his anatomy as may be desired.

The form of invention just described is especially intended for permanently attaching to the tub. It is recognized, however, that there are many bath tubs to which it would not be desirable to permanently attach such a brush, and it is to fulfill this purpose that the other form of this invention, shown in Figures 4 and 5, is provided.

The bath tub 30 shows a conventional bath tub already installed in a bath room. The bath spray brush 31 has a plurality of vacuum cups 32 and 33 secured on the bottom thereof. A water supply pipe 34, preferably of rubber, is connected to the cavity 35 in the brush 31 for supplying water behind the bath brush spray

opening 36. The pipe 34 will have a plurality of vacuum cups 37 for securing the same along the sides of the tub, the other end of the pipe 34 being temporarily attached to the conventional bath tub water supply in a conventional manner.

In Figure 5 the brush 31 is shown as having a single large vacuum cup 38 taking the place of the plurality of four vacuum cups 32 and 33 in order to secure the brush 31 to the back end of the tub 30.

As will be apparent, the brush 11 or 31 will be secured to the opposite end of the bath tub from the end at which the conventional water supply enters. Obviously the pressure of the spray coming from the spray holes 16 of brush 11 or spray hose 36 of brush 30 depends upon the pressure of the water supply and the control means operated for allowing the water supply to enter the brush.

The novel features and the operation of this device will be apparent from the foregoing description. While the device has been shown and the structure described in detail, it is obvious that this is not to be considered limited to the exact form disclosed, and that changes may be made therein within the scope of what is claimed without departing from the spirit of the invention.

Having thus set forth and disclosed the nature of this invention, what is claimed is:

1. As a unitary article of manufacture, a bath spray brush comprising a body and brushing surface on said body, said body having a water pressure supply cavity therein, means connecting said cavity to said brushing surface and a single means for securing said body to a bath tub and for supplying water pressure to said cavity.

2. A bath spray brush comprising a body and brushing surface on said body, said body having a water pressure supply cavity therein, means connecting said cavity to said brushing surface and a single means for securing said body to a bath tub and for supplying water pressure to said cavity, said latter means comprising a water pressure supply pipe extending through said body and said tub, said pipe extending through an opening in said body into said cavity and nut means locking said pipe in position in said opening.

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