

T. D. WOOLSEY.
Bath-Tub Attachment.

No. 159,556.

Patented Feb. 9, 1875.

FIG. 1.

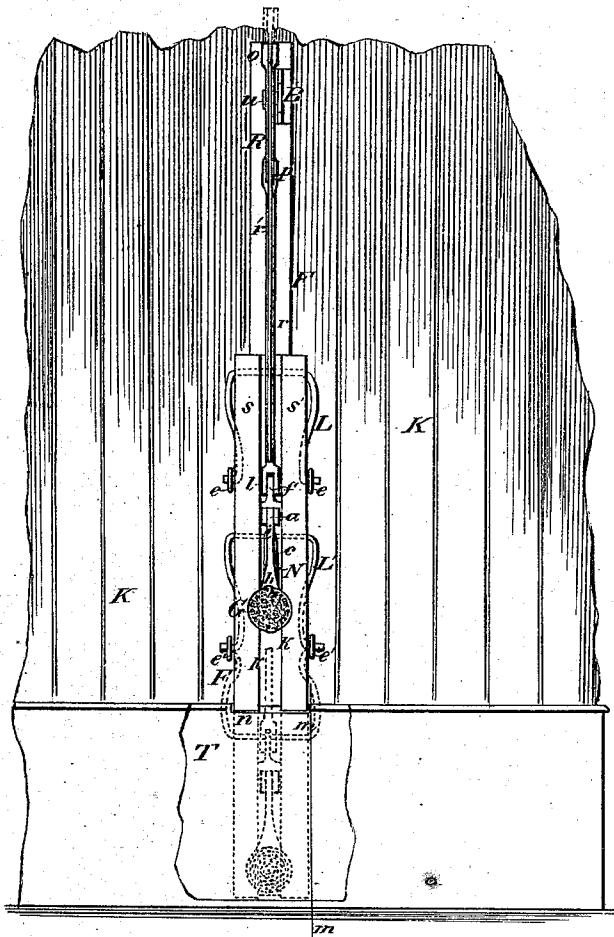


FIG. 2.

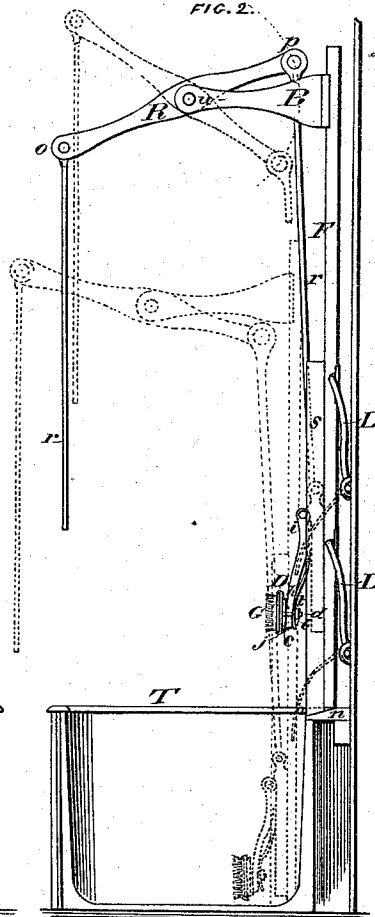


FIG. 3.

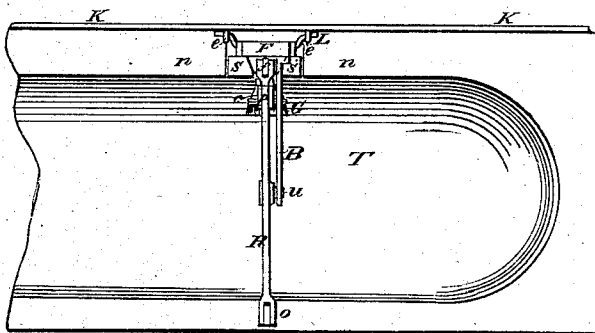
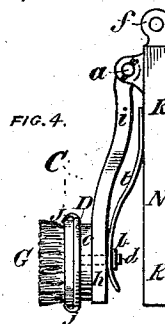


FIG. 4.



Witnesses:

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Inventor:

Thomas D. Woolsey
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UNITED STATES PATENT OFFICE.

THOMAS D. WOOLSEY, OF SAN FRANCISCO, CALIFORNIA, ASSIGNOR OF
ONE-HALF HIS RIGHT TO WILLIAM H. BAXTER, OF SAME PLACE.

IMPROVEMENT IN BATH-TUB ATTACHMENTS.

Specification forming part of Letters Patent No. **159,556**, dated February 9, 1875; application filed
November 2, 1874.

To all whom it may concern:

Be it known that I, THOMAS D. WOOLSEY, of the city and county of San Francisco, State of California, have invented an Improvement in Bath-Tub Attachments, of which the following is a specification:

My invention relates to an improvement in bath-tub attachments, whereby a bather may more readily scrub the back or other portions of the body; the same consisting essentially of an upright frame provided with lever-beam, and connecting-rods for actuating vertically, up and down, a spring brush-carrier within grooved recesses or dovetailed slides, said frame being so hinged on parallel bent rods as to be made capable of standing firmly on the edge of a bath-tub, so that a bather may scrub his back with a brush attached to this carrier, or the frame may be brought forward and lowered into the bath-tub whenever the bather should prefer a sitting posture for the same purpose.

Figure 1 is a longitudinal elevation of part of a bath-tub with attachment embodying my invention. Fig. 2 is a transverse vertical section of Fig. 1 through the line *m m*. Fig. 3 is a plan of Fig. 1. Fig. 4 is an enlarged end view of the sliding brush-carrier embodying part of my invention.

With reference to the drawings, T represents an ordinary bath-tub, attached to the wall of a building, K K, in the usual manner. In a suitable place against this wall K K, on this bath-tub T, a frame, F F, is hung on bent rods L L', which are pivoted on fixed eyes *e e'*, and are placed some distance apart, parallel to one another, so that this frame will rest firmly supported by them on the edge *n* of the bath-tub T, and will also admit of it, with its attachments, being brought forward by swinging on these eyes *e e'*, and being lowered into this bath-tub, as shown in dotted lines in Figs. 1 and 2. This frame F F consists of a wooden plank placed in an upright position, to the top of which a bracket, B, is fixed for holding a lever-beam, R, pivoted to it at *u*, and is also provided for about half its height with dovetailed slide-pieces *s s'*, for allowing of a sliding brush-carrier, C, sliding within them verti-

cally, up and down, when actuated by a connecting-rod, *r'*, attached to it and the lever B, and a pulling-rod, *r*. The connecting-rod *r'* connects the end *o* of the lever-arm R with the tongue *f* of the brush-carrier C, and the pulling-rod *r* is attached to the other end, *p*, of this lever, for a bather to take hold of in order to raise or lower this carrier C. The brush-carrier C consists of a piece of wood, N, beveled on the edges *k k* for fitting to the dovetailed slide-pieces *s s'*, and is provided with a tongue-piece, *f*, at the top, so as to be adjusted to the end of the connecting-rod *r'* by a pin, *l*. A curved piece of wood, *i*, is hinged by a hinge, *a*, to this carrier in front, so as to have its lower extremity, *h*, resting on a spring, *t*, and thus admit of considerable compression when any force is brought to bear on this portion of the curved piece *i*. To this part *h* of the piece *i* a disk, D, with spindle attachment *d*, is fitted, so that this spindle may enter a hole provided, and be secured in the rear by a nut or button, *b*, while at the same time it is made to hold a vulcanized india-rubber ring, *c*, placed between this disk D and the front of the curved piece *i*, the scrubbing-brush G being adjusted to this disk by being slipped in between small bent catches *j j* thereon, also provided; the object of this arrangement of springs being to make use of the spring *t* for adjusting the brush G to the curves in a bather's body during its upward and downward movements, and the india-rubber spring *c* for all lateral inclinations necessary, so as to fit those curves which the spring *t* will not completely adapt the brush G to.

I claim as my invention—

1. The brush-carrier C, consisting of the beveled sliding piece N, curved piece *i*, hinged thereto by a hinge, *a*, and resting on the spring *t*, with the india-rubber spring *c*, secured by the brush-holder D *d b*, in combination with the slide-bars *s s'*, or their equivalents, rods *r r'*, and lever R, fitted to the bracket B of the upright frame F F, substantially as and for the purposes herein set forth and specified.

2. The india-rubber ring-spring *c*, fitted between the disk D (which holds the brush G by the catches *j j*) and the curved hinged piece

i h, forming part of the brush-carrier C, substantially as and for the purposes herein set forth and specified.

3. The frame F F, hinged by parallel bent rods L L' to the wall K K, and provided with the bracket B, dovetailed slide-bars *s s'*, adjustable brush-carrier C, and mechanism for actuating the same, viz., the rods *r r'* and lever R, in combination with the bath-tub T, substantially as and for the purposes herein set forth and specified.

4. The parallel bent rod-hinges L L', fitted to eyes *e e'* in the wall K K, and the frame F F, for adjusting this frame, with its attachments, to the bath-tub T, as described, substantially as and for the purposes herein set forth and specified.

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Witnesses:

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