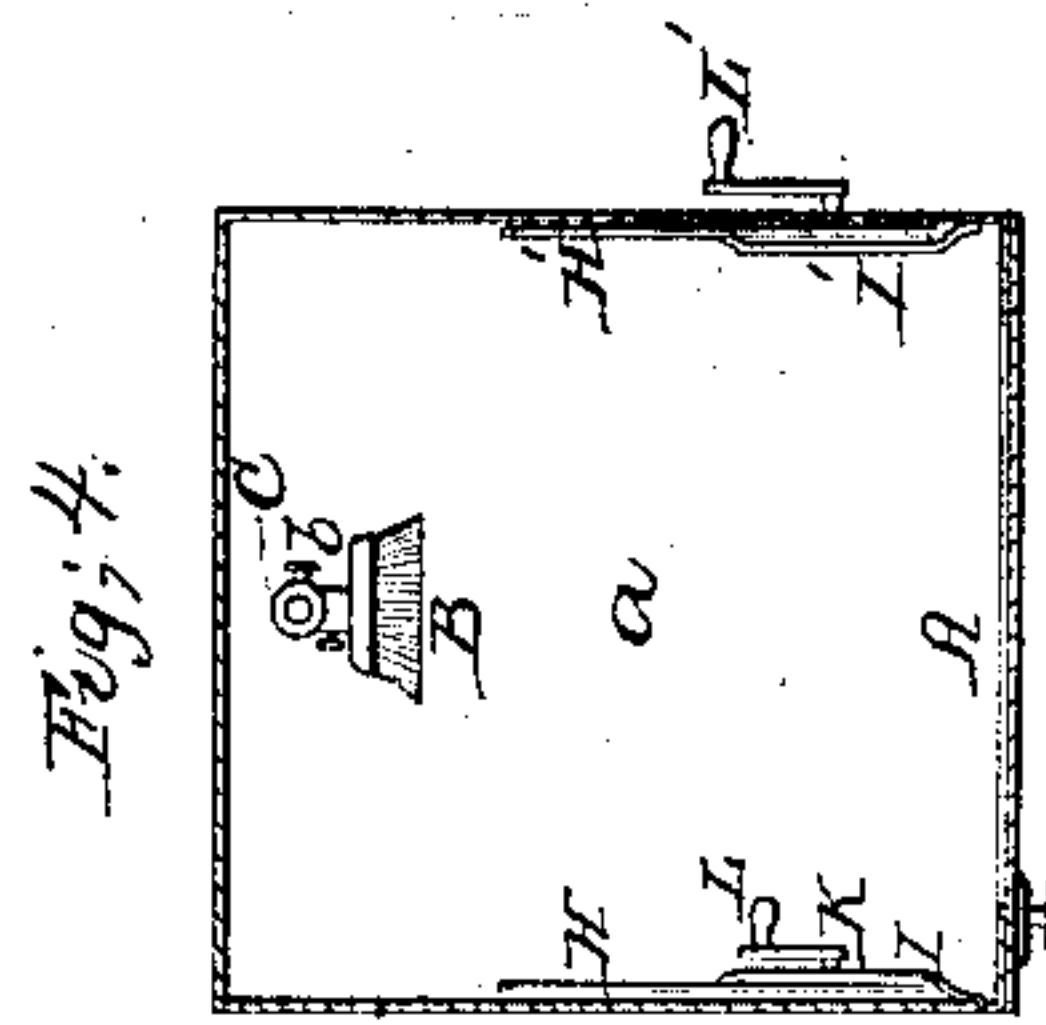
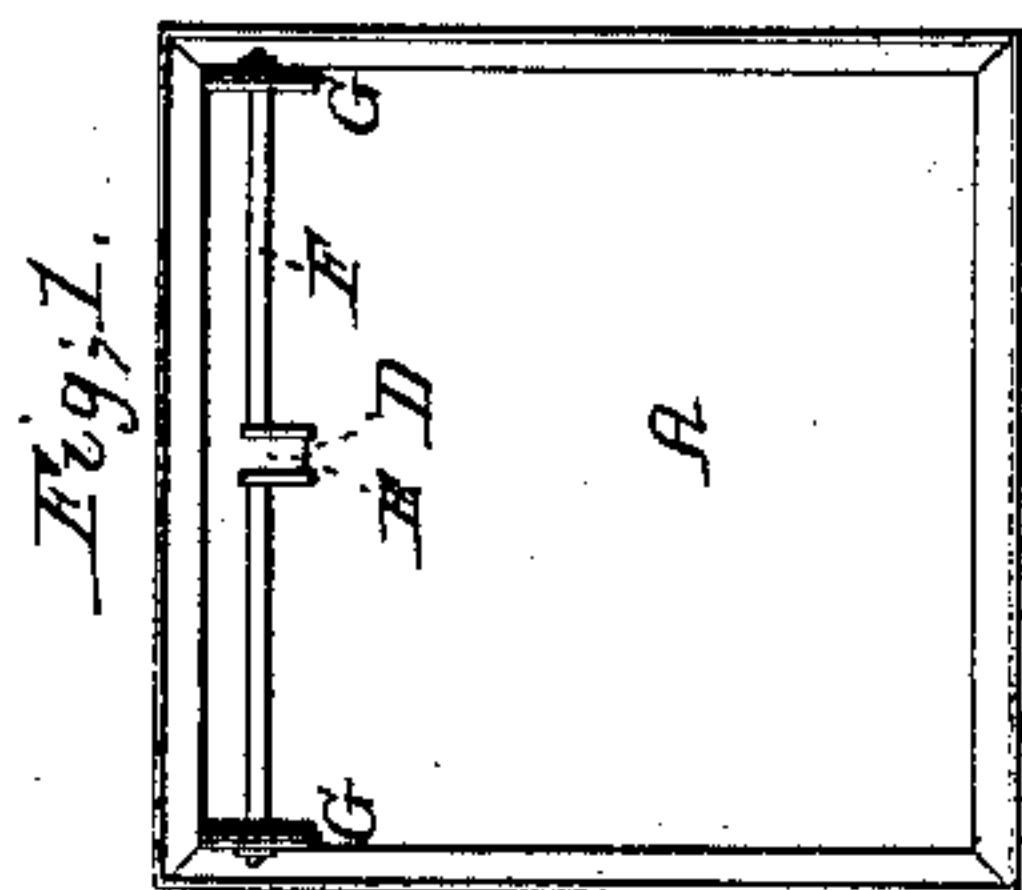
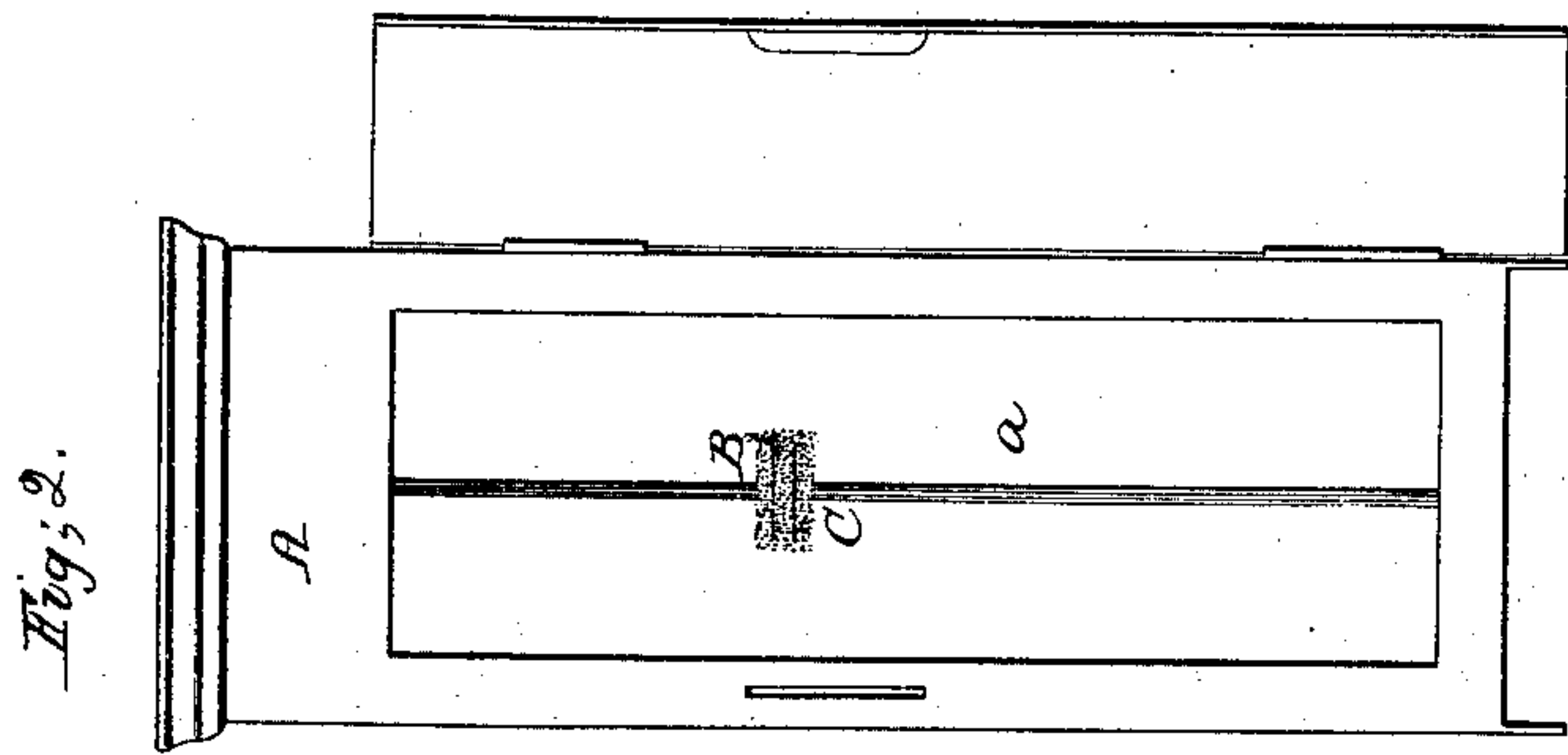
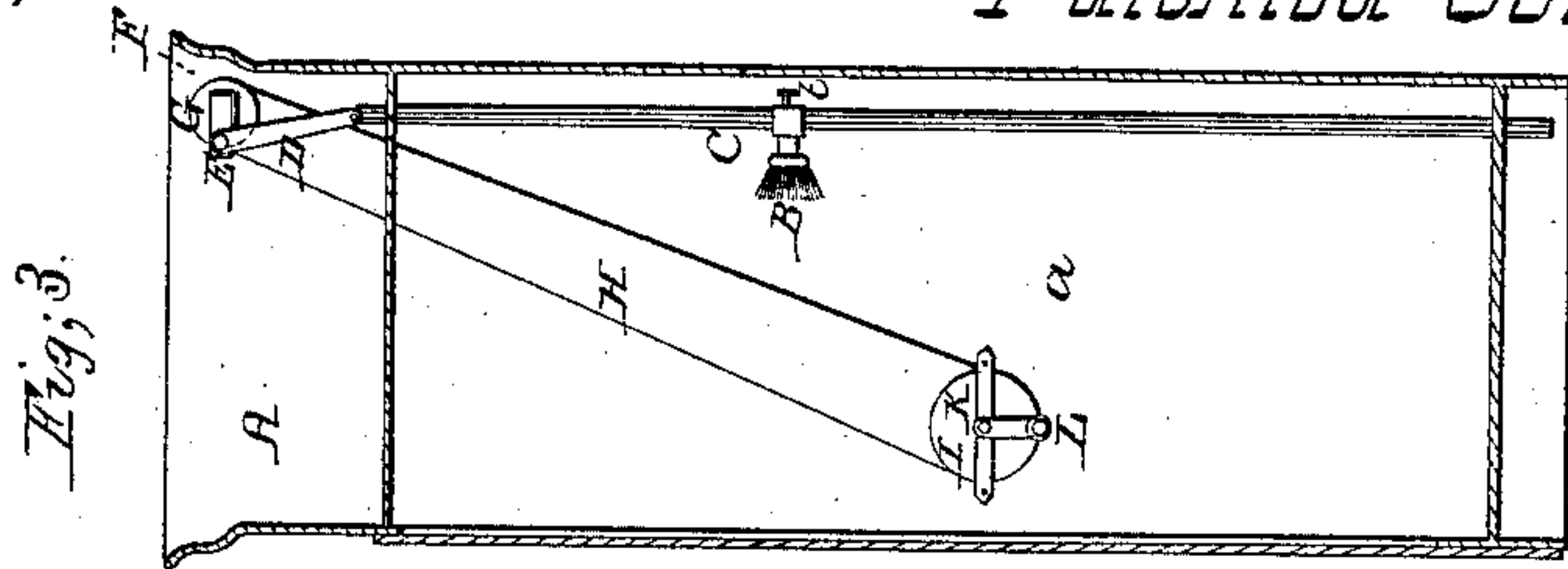


W. Miller.
Shower Bath.

No 18,349.

Patented Oct. 6, 1857.



UNITED STATES PATENT OFFICE.

WILLIAM MILLER, OF WALTHAM, MASSACHUSETTS.

APPENDAGE TO SHOWER-BATHS.

Specification of Letters Patent No. 18,349, dated October 6, 1857.

To all whom it may concern:

Be it known that I, WILLIAM MILLER, of Waltham, in the county of Middlesex and State of Massachusetts, have invented an
5 Improvement in Shower-Baths; and I do hereby declare that the same is fully described and represented in the following specification and the accompanying drawings, of which—

10 Figure 1, is a top view of a shower bath constructed with my improvement. Fig. 2, a front elevation of it exhibiting the door of the bath as open. Fig. 3, a longitudinal and vertical section of the bath. Fig. 4, a
15 horizontal section of it.

The nature of my improvement consists in combining with the bath, a brush and mechanism for operating the same in order that a person while within the standing
20 chamber of the said bath and the said brush is in motion, may bring his back or other part of the body in contact with the brush so as to have such part cleansed or brushed.

Almost every person who has been in the
25 habit of using a shower bath has experienced a difficulty in applying a brush to the upper part of his back.

It is the object of my invention to remedy this difficulty. And to accomplish this I arrange within the standing chamber, *a*, of a
30 shower bath A, a brush, B, affixed to a vertical slide rod, C, by means of a set screw, *b*, the brush being movable on the slide rod and so as to be capable of being adjusted
35 at such a position thereon as circumstances may require. This slide rod at its upper end should be hinged or jointed to the pitman,

D, extending from a bell crank E, of a horizontal shaft F, arranged in the upper part of the bath as shown in Figs. 1, and 3. 40 Such shaft is to be provided with a pulley, G, at one end of it, an endless band H being carried around the said pulley and another pulley, I, arranged within the bath chamber and on a shaft, K, carrying a crank L, as 45 shown in the drawings. Instead of arranging the crank within the bath chamber so as to be easily accessible to a person standing in the showering chamber thereof, it may be disposed on the outside of the bath 50 as shown at L', a pulley, I', band, H', and pulley G', being disposed within the bath and with respect to the rotary shaft in its upper part as shown in the drawings.

By laying hold of and revolving either 55 crank, a reciprocating motion will be imparted to the brush and should a person, while standing in the bath and the brush is in motion bring his back or body in contact with the brush, he may brush or cleanse 60 that part so exposed to the brush.

I claim—

Combining with a shower bath, a brush and mechanism to impart to the said brush, 65 movements, whereby a person while in the bath may have his back, or other part of his body brushed or cleansed substantially as specified.

In testimony whereof, I have hereunto set my signature this 31st day of July, 1857.

WM. MILLER.

Witnesses:

R. H. EDDY,

F. P. HALE, Jr.