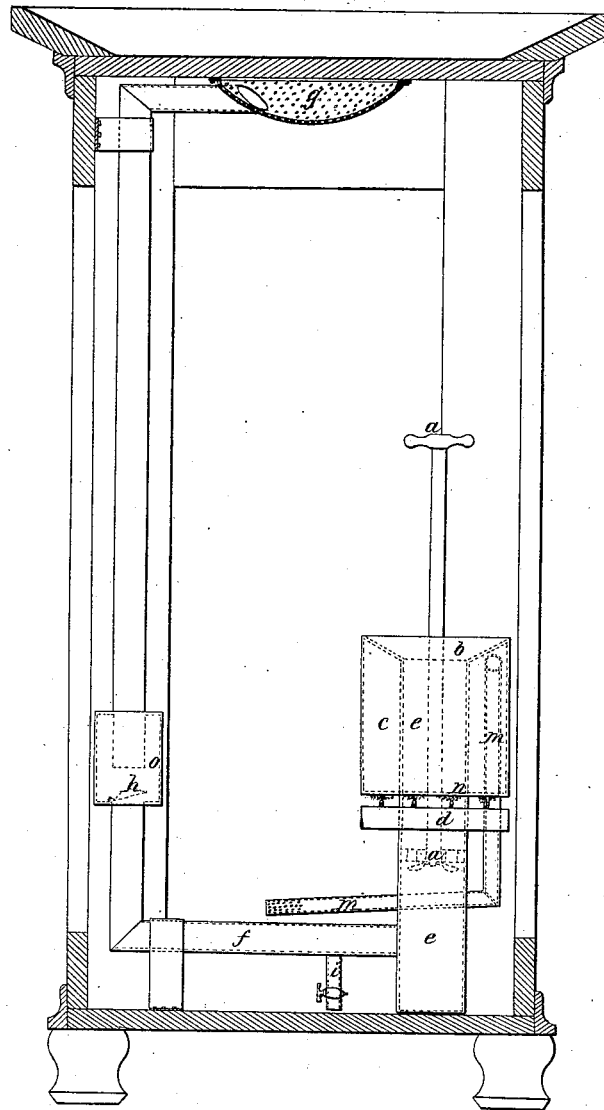


J. Essex,

Shower Bath,

N^o 6,746

Patented Sept. 25, 1849.



UNITED STATES PATENT OFFICE.

JEREMIAH ESSEX, OF BENNINGTON, VERMONT.

SHOWER-BATH.

Specification of Letters Patent No. 6,746, dated September 25, 1849.

To all whom it may concern:

Be it known that I, JEREMIAH ESSEX, of Bennington, in the county of Bennington and State of Vermont, have invented a new
5 Method of Constructing and Using Shower and Vapor Baths; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the annexed drawing, making a part of
10 this specification, which is an elevation in section showing the whole.

The nature of my invention consists in providing an apparatus having the convenient attachments for a warm shower, cold
15 shower, and vapor baths, in one; and the whole being convenient for operation by the person using the bath, and for his changing from one to the other at pleasure; the whole being effected with very trifling costs over
20 that of the common shower bath.

I make a piston (*a*) having its handle at the upper end; this piston extends down into the lower reservoir (*E*) and has its end arranged for forcing, as a pump, in the cylinder
25 (*E*).

The upper or main reservoir (*c*) consists of an enlarged tube surrounding the tube (*E*) and has a passage for the water at its bottom end, so that when the tube (*E*) is
30 filled nearly to the top the tube (*c*) is filled to the same height with the water which has passed out of the before named opening or (*n*). A conducting pipe as (*f*) is attached to the side of the tube (*E*) which serves to
35 convey the water to the shower pot or (*g*); in its passage along the pipe it meets the valve (*h*), this serves the purpose of valves generally and allows the water to pass up
40 fully through it when pressed while it closes by the weight of the water when it falls on its upper side after the removal of the pressure from the piston; the continuous route of the pipe (*f*) is intercepted by this valve, it still acts the same as if it were a continuous
45 pipe through the intervention of its surrounding case (*o*).

The above parts constitute a plain shower bath for cold water only, and its operation is simply as follows:—Fill the tube (*E*) and
50 *c*) with water, having previously removed the piston (*a*) therefrom, then insert the piston in its cylinder (*E*) and press upon

the handle until the water is forced into the shower pot (*g*) where it of course showers into the chamber of the bath. To render
55 this a warm shower bath, the lamp (*d*) is combined and attached to the tube (*E*) immediately below and near the enlarged or main tube (*c*), this may be attached in any
60 convenient way, and may be used as a heating lamp, and if it be lighted will heat the water in the main reservoir (*c*) to any desired temperature, when it may be showered with as set forth, hereinbefore. For the purpose
65 of using it as a vapor bath a pipe as (*m*) is affixed near the top of the reservoir (*c*) which passes down near the bottom of the chamber and by holes allows of the escape of steam into the chamber. Where
70 it is to be used as a vapor bath the pistons should be withdrawn and its aperture closed at the top, that is the tube (*c*) should be closed at the top, and the lamp applied as
75 before stated, to the reservoir (*c*) filled with water, when the heat generates the steam which escapes into the chamber and fills it as required when the light may be put out. Thus by this simple arrangement I effect the
80 convenient arrangement of a combined hot and cold water shower bath, and a vapor bath. A funnel shaped top is provided to the top of (*E*) for convenience in pouring
85 in the water. A wash pipe and cock are attached at the bottom of (*f*) see (*i*) by which the water may be drawn off from the whole, an arrangement being made to raise the
90 valve (*h*) by the hand on the outside, which allows all to run out of the pipe (*f*), while the piston may force it all from the tube (*E*).

These arrangements are surrounded by a frame work and curtains, or otherwise suitably inclosed by any well known means.

What I claim as of my own invention and desire to secure by Letters Patent of the
95 United States is—

The manner of arranging the pump, cistern, lamp, and steam tube, as herein set forth substantially in the manner and for the purpose described.

JEREMIAH ESSEX.

Witnesses:

J. L. KINGSLEY,
W. BECK.