H. A. CALLON.

BATH TUB SHOWER AND NEEDLE BATH.

APPLICATION FILED MAY 12, 1916.

1,203,579.

Patented Nov. 7, 1916.

Fig. 1.

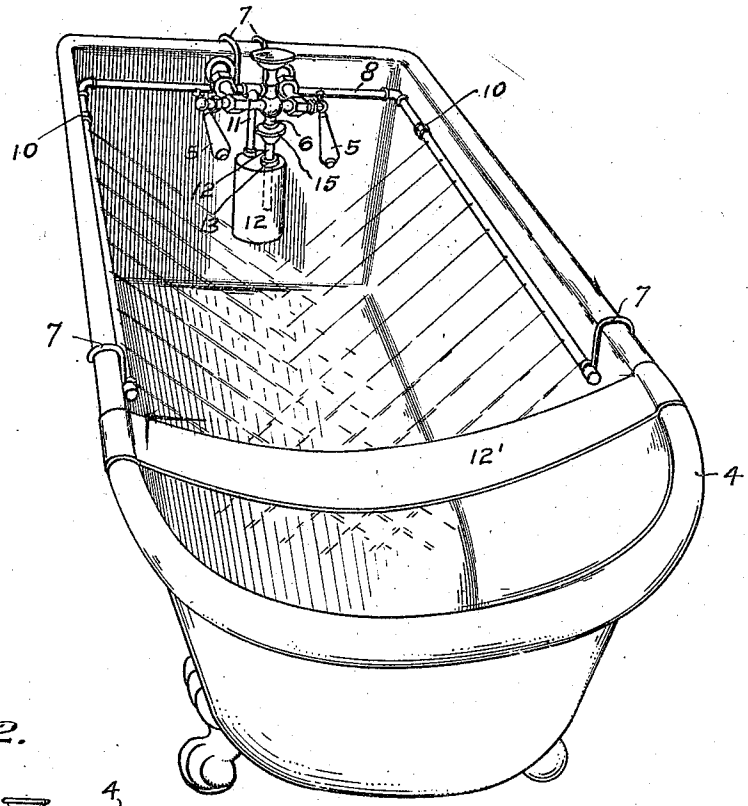


Fig. 2.

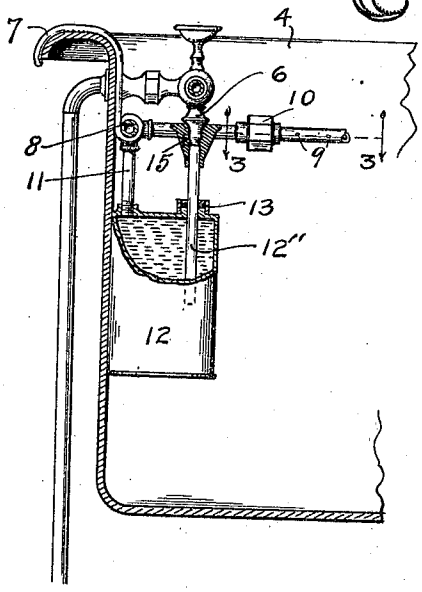
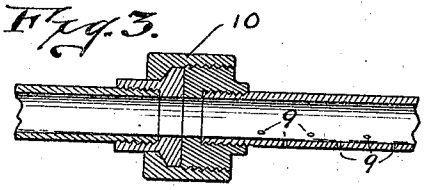


Fig. 3.



Inventor,
Harry A. Callon,
By Minturn & Worner,
Attorneys.

NORRIS PETERS, INC., LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

HARRY A. CALLON, OF INDIANAPOLIS, INDIANA.

BATH-TUB SHOWER AND NEEDLE BATH.

1,203,579. Specification of Letters Patent. Patented Nov. 7, 1916.

Application filed May 12, 1916. Serial No. 97,163.

To all whom it may concern:

Be it known that I, HARRY A. CALLON, a citizen of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented certain new and useful Improvements in Bath-Tub Shower and Needle Baths, of which the following is a specification.

The object of this invention is to provide a device for administering shower and needle baths to a person who is sitting or reclining in a bath tub of usual and well known construction, and to provide such a device in the form of an attachment which can be applied to tubs already installed and removed therefrom at will.

The object also is to provide means for adjusting the spraying pipes to change the direction of the discharge in order to reach different portions of the bather's body.

I accomplish the above and other objects which will hereinafter appear, by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of a bath tub with my invention operatively applied thereto. Fig. 2 is a vertical section through the water intake end of the tub, and Fig. 3 is a section on the line 3—3 of Fig. 2 showing the swivel pipe union on a larger scale.

Like characters of reference indicate like parts throughout the several views of the drawings.

A bath tub 4 is here shown as equipped with Fuller combination hot and cold water faucets controlled by the handles 5, 5, and discharging through a common nozzle 6, all of usual construction, to which nozzle 6 my attachment is connected and through which it receives its supply of water under pressure.

Extending horizontally across the end of the tub and suspended from the edge of the tub by hooks 7, of metal wire preferably covered with rubber to avoid injury to the tub, is a pipe 8. The ends of this pipe bend approximately at right angles and are extended horizontally for any suitable lengths against the straight sides of the tub where they are supported by suspension hooks 7, as described for pipe 8. These side pipes are closed at their ends remote from pipe 8, and they are also provided with small spray-holes 9, in one or more rows longitudinally of the pipes, and to enable the directions of discharge through said holes to be raised or lowered at will, I divide each side pipe transversely and unite the ends by pipe unions 10, having a swivel formation, preferably with a ground tapering joint as shown, which will not leak from wear.

A head-rest 12′ is located in the tub where the bather's head will be out of the range of the water jets.

A T-joint in the pipe 8 affords attachment for a pipe 11 which connects with the interior of a small cylinder 12, which, in turn, is connected by a pipe 12″ with the nozzle 6. The cylinder 12 acts as a mixing chamber for hot and cold water coming through the combination faucets, in which chamber the temperatures will be blended before the water is delivered to the perforated pipes at the sides of the tub. The pipe 12″ telescopes through a gland 13, in the cylinder for convenience in connecting and disconnecting it with the nozzle 6, and it terminates with an elastic tip 15 at its outer end to receive the nozzle with a tight fit.

It is apparent that the device is readily portable and can be installed on any of the forms of bath tub now in general use, and it is also apparent that the directions of the needle jets can be readily adjusted by rocking the pipes at the sides of the tub.

Having thus fully described my invention, what I claim as new and wish to secure by Letters Patent of the United States, is—

The combination, with a bath tub having hot and cold water faucets, of a shower and needle bath attachment, water conducting means communicating with the latter, said means having an outlet, a gland at said outlet secured to said conducting means, a pipe telescoping through said gland, and an elastic tip on the outer end of the pipe to receive the nozzle with a tight fit.

In witness whereof, I, have hereunto set my hand and seal at Indianapolis, Indiana, this fifth day of May, A. D. one thousand nine hundred and sixteen.

HARRY A. CALLON. [L. S.]