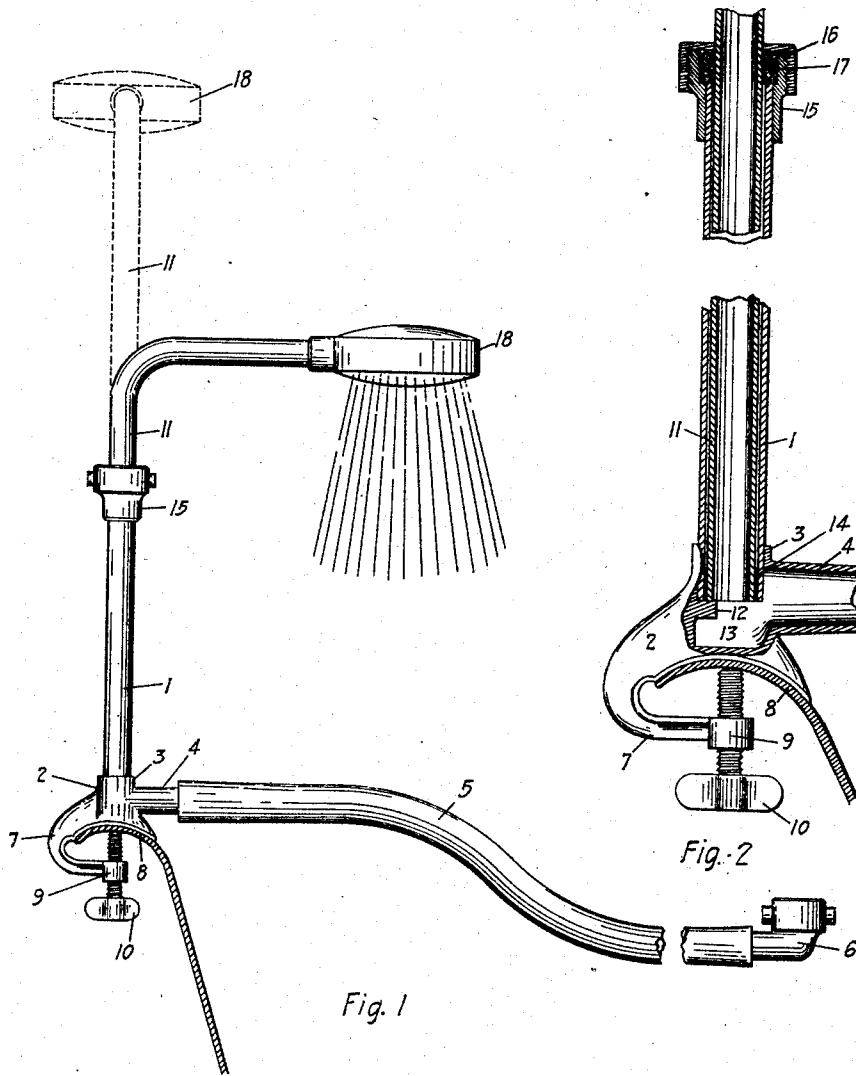


G. J. KOEHLER.
 PORTABLE SHOWER BATH FIXTURE.
 APPLICATION FILED OCT. 7, 1919.

1,366,734.

Patented Jan. 25, 1921.



WITNESSES:
H. L. Rogers

INVENTOR.
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 His ATTORNEYS.

UNITED STATES PATENT OFFICE.

GUSTAVE J. KOEHLER, OF DAYTON, OHIO.

PORTABLE SHOWER-BATH FIXTURE.

1,366,734.

Specification of Letters Patent.

Patented Jan. 25, 1921.

Application filed October 7, 1919. Serial No. 329,142.

To all whom it may concern:

Be it known that I, GUSTAVE J. KOEHLER, a citizen of the United States, residing at Dayton, in the county of Montgomery and State of Ohio, have invented certain new and useful Improvements in Portable Shower-Bath Fixtures, of which the following is a specification.

The principal object of the invention is to provide a portable shower bath fixture that may be readily attached to a bath tub for use when desired. The invention contemplates the provision of a perforated outlet head which may be easily raised or lowered to different heights above the bather, and thereafter turned to any desired angular position in the horizontal plane in which it is positioned.

Another object of the invention is to provide water-tight connections at all points where water is likely to leak out, and particularly at the point where the tube carrying the outlet head, enters the vertical supporting tube.

Other important and incidental objects will be brought out in the following specification and particularly set forth in the subjoined claims.

The preferred form of embodiment of my invention is illustrated in the accompanying drawings, of which Figure 1 is a side elevational view of my improved portable shower bath fixture. And Fig. 2 is a vertical sectional view taken through the same.

Throughout the specification and drawings, similar reference characters denote corresponding parts.

Referring to the accompanying drawings, the numeral 1 designates a vertical tube to the bottom end of which is secured a clamp 2. The latter comprises a casting having a vertical tubular portion 3 which receives the lower end of the tube 1. The clamp casting also has a horizontal tubular extension 4 adapted to receive one end of a flexible tubing 5. Secured in the outer end of the tube 5 is a right-angled connection 6 which is adapted to be attached, in a water-tight manner, to a faucet of the bath tub.

The clamp casting 2 has a preferably hook-shaped jaw portion 7 whose top inner surface is concave to fit over the curved marginal rim 8 of the bath tub. The lower end of the jaw portion 7 of the clamp 2 has a tubular threaded enlargement 9 adapted to receive a thumb screw 10 capable of being

turned to force its upper end into tight engagement with the lower surface of the marginal rim of the bath tub, thereby to hold the shower bath fixture firmly on the latter.

The interior portion of the casting 2 is hollow to permit water to pass from the extension 4 into a tube 11 that has a telescopic movement in the tube 1. The downward movement of the tube 11 into the casting 2, is limited by a rib 12 that projects into the hollow middle portion 13 of said casting. The lower end of the tube 1 permanently rests upon this rib, being maintained thereby a sufficient distance above the bottom of the hollow portion of the casting to permit water to pass freely through the latter from the horizontal extension 4 into the vertically movable tube 11. Affixed to the lower end of the latter tube is a brass washer 14 designed to prevent said tube from being pulled out of the upper end of the tube 1.

Affixed to the upper end of the tube 1 is a collar or sleeve 15 terminating in a hollow enlarged end that is exteriorly threaded to receive a jam-nut 16 through which the tube 11 passes. Surrounding the tube 11 and resting upon the upper circumferential edge of the tube 1, is a rubber or other suitable washer 17 whose outer face engages the inner periphery of the enlarged portion of the collar 16. The top of said washer is adapted to be engaged by the top of the jam-nut 16, whereby, when the latter is turned for a downward movement on the collar 15, it will press the washer tightly against the tube 11 to prevent any leakage of water around it at the point where it enters the tube 1. When it is desired to raise or lower the tube 11 the jam-nut 16 is loosened.

The upper portion of the tube 11 is bent at right angles and has secured to its outer end a perforated outlet head 18 from which the water falls upon the bather. This outlet head 18 may be raised to a desired height in a ready manner by unscrewing the jam-nut 16 and elevating the tube 11, or it may be lowered after the nut is loosened, by pulling down on the tube. When the outlet head 18 has been adjusted to the desired height, it may be readily turned in the horizontal plane of that height to bring it to the desired lateral position. Thereafter, by tightening the jam-nut 16, the outlet head will be firmly held in its adjusted position without fear of any water leaking past said

nut. It will thus be seen that I have provided an easily-adjustable, non-leaking and readily-attachable shower bath fixture.

Having described my invention, I claim:

- 5 1. In a device of the type described, the combination with a vertical tube, of a tube telescoping into the upper portion of the latter, an outlet head carried by the second tube, a casting secured to the bottom of the
10 first tube, a horizontal inlet tube integral with one side of said casting, and an integral hook shaped jaw projecting from the other side of said casting, a tubular threaded enlargement on the end of said jaw, below the
15 bath tub rim, and a thumb-screw adapted to be passed upwardly through said tubular enlargement into engagement with the lower surface of the bath tub rim, firmly to hold the casting thereon for the purpose specified.
20 2. In a device of the type described, the

combination with a vertical tube, of means for admitting water to said tube, from the faucet of a bath tub, a tube telescoping into the first tube, an outlet head carried by the second tube, a casting with which said first tube and water-admitting means are connected, a hook-shaped jaw on said casting adapted to fit over the curved edge of a bath tub, a tubular threaded-enlargement on the end of said jaw, and a thumb-screw adapted
30 to be passed through said tubular enlargement into engagement with the lower surface of the bath tub rim, firmly to hold the casting and connections thereon.

In testimony whereof I have hereunto set
35 my hand this 4th day of October, 1919.

GUSTAVE J. KOEHLER.

Witness:

HOWARD S. SMITH.