No. 869,240. PATENTED OCT. 29, 1907.

C. HEATON.

SHOWER BATH.

APPLICATION FILED JUNE 21, 1906.

2 SHEETS—SHEET 1.

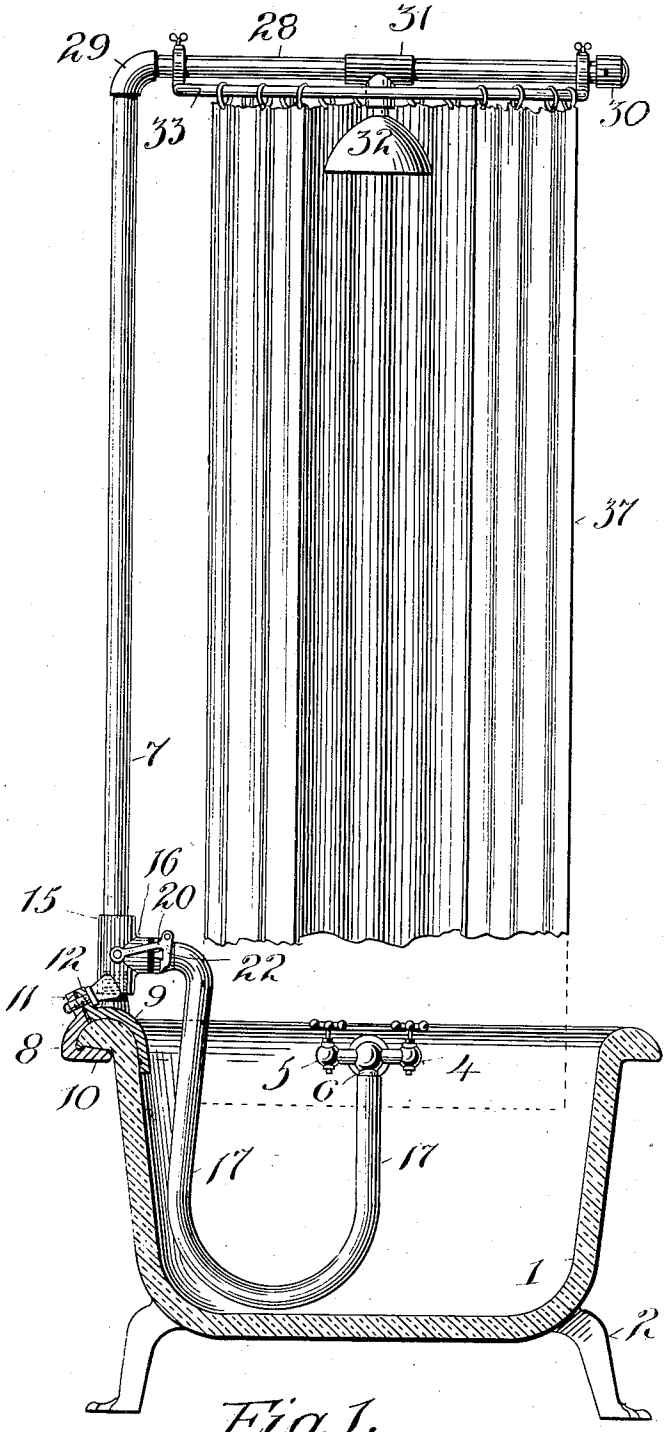


Fig. 1.

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2 SHEETS—SHEET 2.

Fig. 6.

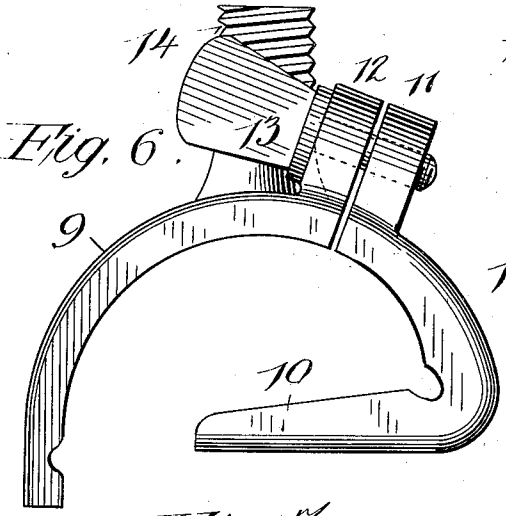


Fig. 2.

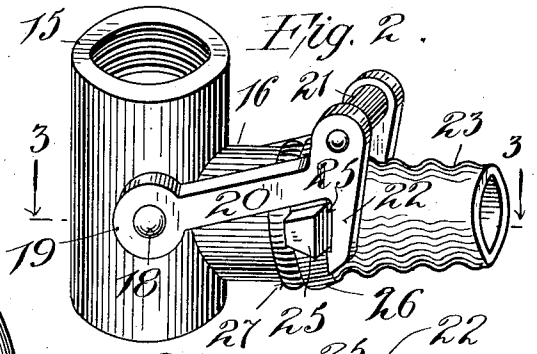


Fig. 7.

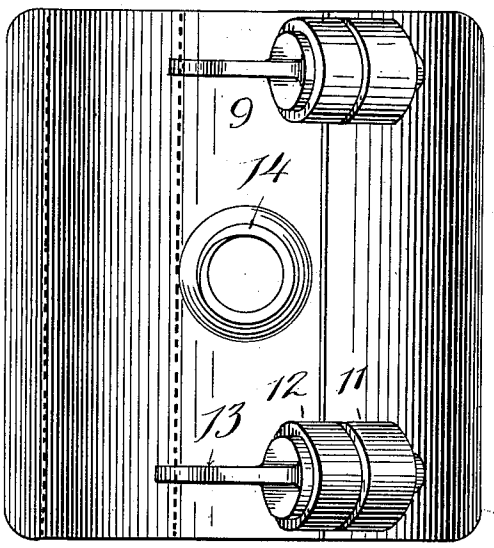


Fig. 3.

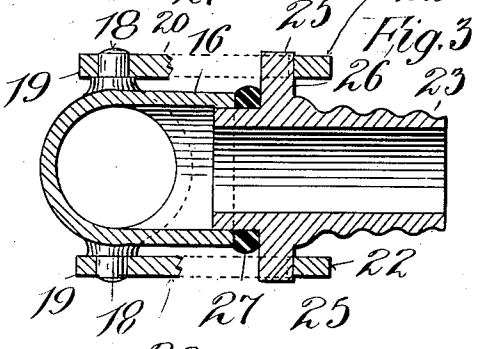


Fig. 4.

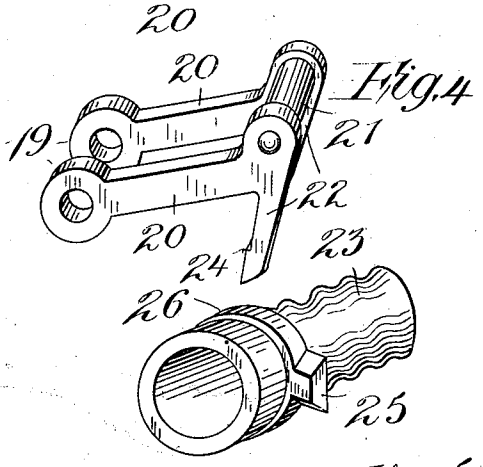


Fig. 5.

Fig. 8.

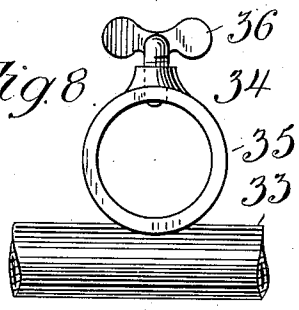
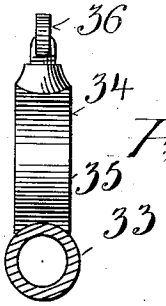


Fig. 9.



Witnesses,
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By his Attorney
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UNITED STATES PATENT OFFICE.

CHARLES HEATON, OF NEW YORK, N. Y., ASSIGNOR OF ONE-HALF TO HUGO BIERHOFF, OF NEW YORK, N. Y.

SHOWER-BATH.

No. 869,240. Specification of Letters Patent. Patented Oct. 29, 1907.

Application filed June 21, 1906. Serial No. 322,673.

To all whom it may concern:

Be it known that I, CHARLES HEATON, a citizen of the United States, and a resident of the city of New York, borough of Manhattan, county and State of New York, have invented certain new and useful Improvements in Shower-Baths, of which the following is a specification.

My invention relates to shower baths, and my object is to produce a simple and efficient shower which may be attached to an ordinary bath tub without any special construction, so far as the tub is concerned. The shower is also readily removable from the tub, and its principal characteristic is simplicity.

In the drawings forming part of this specification, Figure 1 is a cross section through the bath tub showing the appliance attached thereto. Fig. 2 is a perspective view of the coupling which secures the hose to the pipe. Fig. 3 is a section on the line 3—3 of Fig. 2. Fig. 4 is a perspective view of the coupling arms. Fig. 5 is a similar view of the gasket and collar, Fig. 6 is a side elevation of the bracket which holds the pipe to the rim of the tub, Fig. 7 is a plan view of Fig. 6, Fig. 8 is an elevation of the clamp which holds the curtain ring, and Fig. 9 is an end view of the same.

The bath tub to which the appliance is adapted to be secured is made of the conventional form shown in Fig. 1, which has a body 1, legs 2, and a top flanged edge 3, and faucets 4 and 5 for both hot and cold water discharge through a common outlet 6.

My shower consists of a vertical pipe 7 which is secured to the flange of the tub by means of a clamp 8. The clamp which is shown in Fig. 7 consists of a circularly bent plate 9 which fits the top edge of the tub, and an under plate 10 which is secured on the flange of the tub. The parts 9 and 10 are also provided with upwardly extending lugs 11 and 12 which have a thumb screw 13 therein adapted to draw the lugs together for the purpose of securing the clamping members tightly against the tub. From the plate 9 extends vertically a plug 14 which is provided with exterior threads to which is screwed a joint 15. The joint is also secured to the pipe 7 by means of screw threads and has a tubular section 16 at right angles to the pipe 7 which is provided with a novel and simple coupling for a flexible hose 17 which latter is attached to the outlet 6 of the faucets.

The coupling which is illustrated in detail in Figs. 2 to 5 is constructed as follows: The pipe joint 15 is provided with pins 18, projecting from opposite sides, and to which are secured a clutch 19 comprising parallel arms held together by a cross piece 21, and having downwardly turned portions 22 which straddle the metallic piece 23 carried by the hose 17. The parts 22 have a slight projection 24 a sufficient distance from the arm 20 to receive the projection 25 on each side of a collar 26. The collar 26 forms a part of the piece 23, although it may be made separate and secured thereon. A rubber gasket 27 is secured over the end of the piece 23 and is adapted to be pressed against the end of the tubular section 16 by the collar 26. When the parts are joined together the arms 20 are forced down, when the arms 22 will force in the extensions 25 of the collar and crowd the gasket against the end of the pipe joint until the projection 24 is beyond the edge of the extension, when the latter will fit into the recess and prevent the arms 20 from accidentally rising. This forms a very simple and efficient coupling for the parts, and is not apt to get out of order.

The pipe 7 is secured to a horizontal pipe 28 by means of the joint 29 and has on its outer end a plug 30. Intermediate of the ends I provide a coupling 31 from which is hung a sprayer 32. A curtain ring 33 is hung from the pipe by means of clamps 34 which consists of a collar 35 and a thumb screw 36 extending there through which is adapted to engage with the pipe. The ring 33 is preferably made integral with the collar 35. Any suitable curtain 37 may be hung on the curtain ring.

The shower thus constructed is of very few parts, is portable, and may be secured to any ordinary bath tub.

Having described my invention, what I claim is:

1. A shower bath adapted for bath tubs comprising an upright pipe and means for connecting it to the water supply, and having a clamp composed of a plate adapted to be secured over the top rim of the tub, and another plate adapted to engage the flange of the tub, and means for securing the plates together.

2. A shower bath for tubs, having a pipe, a clamp for securing the same to the tub, said clamp comprising a plate for the top rim of the tub, and having a plug thereon to which said pipe is secured, and an under plate adapted to engage under the flange of the tub, and means for clamping the two plates together.

3. A shower for bath tubs comprising a pipe, a joint therefor, a clamp adapted to secure the joint to the top rim of a tub, a tube to connect the joint with the water supply, and a coupling therefor, comprising a pair of parallel, connected arms, fulcrumed to the pipe joint, a tubular end on the said tube provided with a collar having lateral projections, a gasket on the tube, said arms having depending fingers which engage with the said projections and cause the collar to crowd the gasket against the pipe joint and a recess in said fingers and a shoulder 24 for the collar projections.

Signed this 20th day of June, 1906.

CHARLES HEATON.

Witnesses:
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G. IRA ARONOW.