HARRY W. MCCURLE, OF ANN ARBOR, MICHIGAN.

SHOWERT-BATH APPARATUS.

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To all whom it may concern:

Be it known that I, Harry W. McClure, a citizen of the United States, and residing at Ann Arbor, in the county of Washtenaw and State of Michigan, have invented a new and improved Shower-Bath Apparatus, of which the following is a specification.

This invention relates to pivotally mounted parallel supporting bars for a pair of curtains adapted to restrict the fall of water of a shower bath and to the mounting of said bars on the supply pipe, and to the mounting of a shower head on the supply pipe and to the construction of this shower head.

This invention consists in a novel connection between a supply pipe of a shower bath and the usual tub fitting which connection is so constructed that the supply pipe may be secured at any desired angle from the vertical.

It also consists in a novel shower head pivotally mounted at the upper end of the supply pipe and provided with novel means for preventing water from running back down to the lower end of the head. It also consists in a pair of pivoted curtain bars, and a novel supporting member on which the bars are mounted, the supporting member permitting the bars to be swung from vertical to horizontal and being itself mounted on the supply pipe.

It also consists in the details of construction illustrated in the accompanying drawings and particularly pointed out in the claims.

In the accompanying drawings, Fig. 1 is a perspective view of this improved shower bath apparatus mounted in operative position and with one curtain swung back. Fig. 2 is a perspective of a connection to support a curtain bar. Fig. 3 is a longitudinal section of this connector and the curtain bar supported thereby. Fig. 4 is a detail of the curtain support. Fig. 5 is a cross section of a side of the shower head. Fig. 6 is a perspective of one type of connection between the supply pipe and a bath tub fitting. Fig. 7 is a central vertical section thereof. Fig. 8 is a view partly in section of another connection for this purpose. Fig. 9 is a section on the line 9—9 of Fig. 8. Fig. 10 is a detail of the pivot for the shower-head.

Similar reference letters refer to like parts throughout the several views.

This shower apparatus is intended to be mounted on the fitting of any ordinary bath tub A. An upright supply pipe may be connected to the bath-tub fitting B in several ways, one of which is shown in Figs. 6 and 7. The fitting has handles 2 and 3 to control the hot and cold water and a discharge nozzle 4 formed with a round hollow knob 5. A clamp 6 extends around the pipe 1 and on the bolt 7 carried thereby is mounted an arm 8, formed by bending a strip of metal upon itself, which arm fits on this knob 5. In the end of this arm 8 is a bolt 9 which screws down into a threaded hole in lug 10 on the bracket 12. This bracket is recessed to receive the washer 13, preferably of leather, and its passage 14 connects to a cylindrical portion 15 in which the small valve 16 is vertically slideable. The pipe 1 fits into a recess at the upper end of this part 15 and may be secured in any desired manner. The valve 16 may be moved up to permit the pipe 1 to be drained.

At the upper end of the pipe 1 is a T 18 whose arms are fitted with stuffing boxes and glands 19 which prevent leakage around the ends 20 of the shower head 22. These ends turn freely within the arms of the T and the shower head may be positioned at any desired angle.

The sides and ends of the shower head are perforated in any desired manner but preferably by cutting grooves 24 (Fig. 5) across the tubing forming the head and then punching small holes 25 through the thin metal. To prevent water running back along the shower head and falling outside of the tub A, small inclined plates 26 may be attached to the sides of the head to cause the water to fall into the tub.

A curtain support consisting of a cross piece 27 is secured to the pipe 1 by means of a clip 28 and the bolts 29. Its ends 30 are bent at right angles to receive connections 31 to hold the ends of the curtain bars 32 to 100 which the curtains 33 may be secured by means of ordinary thumb tacks. The connectors 31 each have two sides provided with turned lips 34 and 35 between which the end of a curtain bar may extend to 105 held horizontal, but which will permit the bar to be swung up to vertical position on the bolt 36 which also secures the part 31 to the end 30. This end has holes 37 into which small projections 38 on the connector 31 extend to prevent this connector from turning. These projections are preferably on
both sides of the connectors so that they can be mounted on either end of the cross bar 27.

The nozzles 40 of the bathtub fittings are not always vertical, in fact, they may extend at any angle. But they are almost invariably provided with a reduced portion 41 which may be employed to support the pivoted head 42 of the bolt 43. A connector is formed of two parts 44 and 45, the latter having a conical bearing 46 and the other a corresponding seat. The pipe 1 fits into a socket in the part 45 and a screw 47 serves to secure the two parts together. The part 44 has a recess to receive the washer 48 and the nut 49 and washer 50 to hold the part 44 firmly in position on the nozzle 40. This connection permits the supply pipe 1 to extend at any desired angle.

It will be noticed that this shower bath apparatus may be readily and easily attached to the fittings of most bath tubs without changing any part thereof and that the curtains will be supported independently of the walls of the bath room. As the curtains may be swung down until their lower ends are within the bath tub, no water will be splashed onto the floor at the sides of the tub.

The details and proportions of the various parts of this apparatus may all be changed without departing from the spirit of this invention as set forth in the following claims:

I claim:

1. In a shower bath apparatus, the combination with a bath tub and bath tub fitting, a supply pipe extending upward from said fitting, a rectangular shower head pivotally connected to the upper end of said pipe, a cross bar secured intermediate its ends to said pipe, a connection secured to each end of the cross bar, a curtain supporting bar pivoted on each connection, and a curtain secured to each bar and adapted to be swung up to vertical or down to horizontal position with its supporting bar.

2. In a shower bath apparatus, the combination with a bath tub and bath tub fitting, a supply pipe extending upward from said fitting a T at the upper end of said pipe, a shower head formed of a tube bent to rectangular form and having its ends pivotally mounted in said T, said head being perforated to permit the discharge of water, and a pair of inclined plates secured to the side portions of said head.

3. In a shower bath apparatus, the combination with a bath tub and bath tub fitting, a connection mounted on said fitting 60 and comprising two parts pivotally joined, a supply pipe mounted on said connection, a shower head adjustably mounted on said pipe to a curtain support, a curtain bar pivoted at one end on said support, and a curtain secured to said bar.

4. In a shower bath apparatus, the combination of a supply pipe and a shower head attached thereto, a cross bar secured to said pipe, a second bar secured to the first cross bar, and a curtain relatively immovably secured at its upper edge to said second bar.