March 24, 1942. M. SCHU 2,277,562

SHOWER ATTACHMENT

Filed Nov. 20, 1940 2 Sheets-Sheet 1

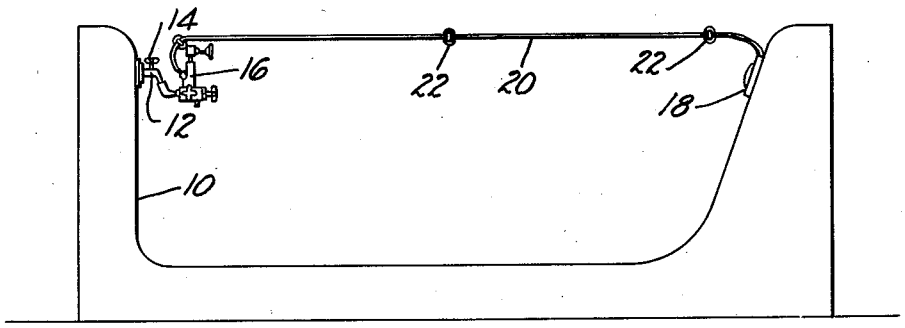


FIG. 1

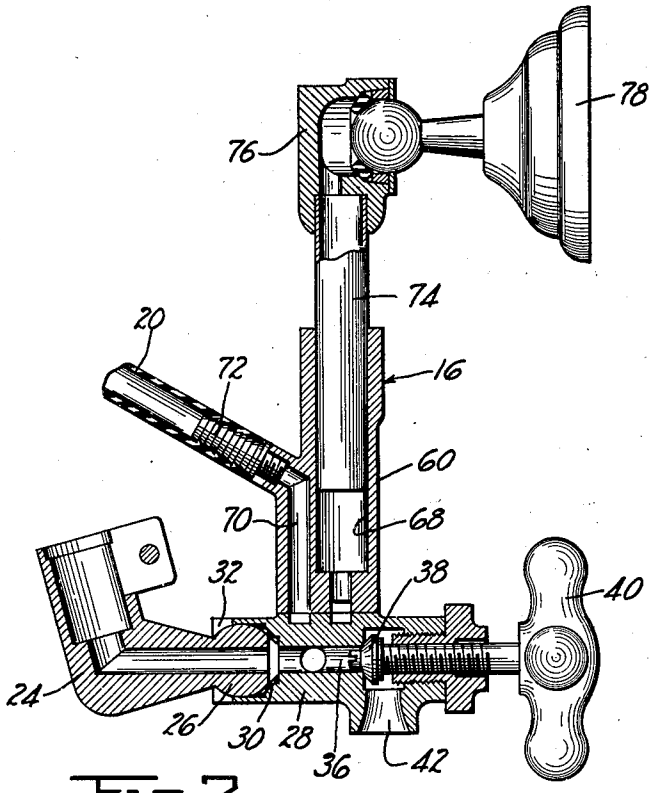


FIG. 2

INVENTOR
MATHIAS SCHU
BY Dawson Coons & Booth
ATTORNEYS

March 24, 1942. M. SCHU 2,277,562

SHOWER ATTACHMENT

Filed Nov. 20, 1940 2 Sheets-Sheet 2

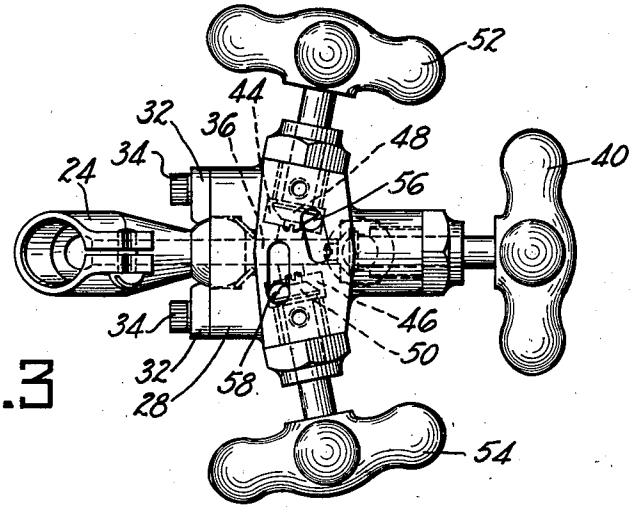


FIG. 3

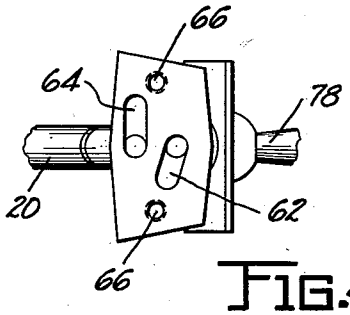


FIG. 4

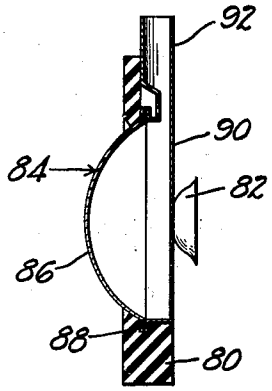


FIG. 6

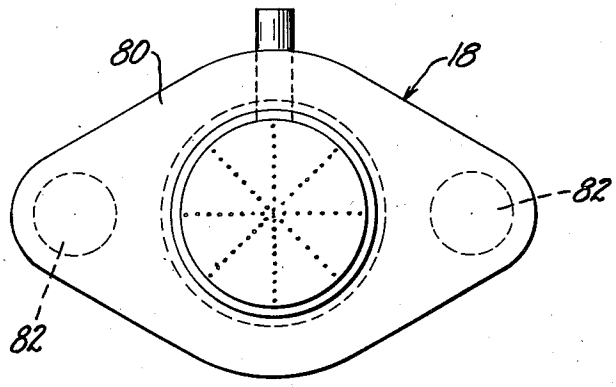


FIG. 5

INVENTOR
MATHIAS SCHU
BY Dawson Doms & Booth
ATTORNEYS

Patented Mar. 24, 1942 2,277,562

UNITED STATES PATENT OFFICE

2,277,562

SHOWER ATTACHMENT

Mathias Schu, South Bend, Ind.

Application November 20, 1940, Serial No. 366,378

9 Claims. (Cl. 4—148)

This invention relates to shower attachments and more particularly to attachments for bath tubs to enable the same to be used either for shower baths or for tub baths.

One of the objects of the invention is to provide an attachment adapted for ready installation on existing bath tubs to enable their use for shower baths without interfering with their useability for tub baths.

Another object of the invention is to provide a shower attachment for bath tubs which will provide a plurality of sprays originating at different points and in which the several sprays may be selectively or concurrently controlled.

Still another object of the invention is to provide a shower attachment which may readily be adjusted as to angle and height so as to be readily adaptable for installation on various types of tubs and to satisfy the desires of different users.

The above and other objects and advantages of the invention including novel features of construction will be apparent from the following description when read in connection with the accompanying drawings, in which:

Figure 1 is a side elevation with the adjacent side cut away of a bath tub having applied thereto a shower attachment embodying the invention;

Figure 2 is a central section with parts in elevation of the front shower unit;

Figure 3 is a top plan view of the front shower unit with the upper boss removed;

Figure 4 is a bottom plan view of the upper boss;

Figure 5 is a front elevation of the back shower unit; and

Figure 6 is a central vertical section of the unit of Figure 5.

As shown in Figure 1 a bath tube of conventional form indicated generally at 10 has a faucet 12 provided at the forward end thereof controlled by the usual valves indicated at 14. To the discharge faucet 12 there is permanently or semi-permanently attached a front shower unit indicated generally at 16. A rear shower unit indicated at 18 is connected to the front shower unit by a flexible rubber hose 20 which may extend around the side of the bath tub adjacent the top thereof and being secured in place if desired by rubber suction cups 22.

The front shower unit comprises a nipple 24 adapted to be firmly attached to the faucet 12 and terminating in a ball member 26 extending substantially horizontally into the bath tub. The nipple 24, as shown, is formed with a split sleeve adapted to be clamped about the discharge faucet 12 with a suitable bushing of rubber or the like therebetween, but in the case of bath tubs having separate faucets for hot and cold water it will be understood that the nipple 24 may be a tubular nipple having two sleeves for connection to the separate faucets.

The ball member 26 of the nipple is received in a bore in the end of a body member 28, a suitable packing 30 being inserted therebetween. Plates 32 secured to the body 28 by screws 34 engage the sides of the ball member 26 so as to secure the body thereto in any desired adjusted position. The body member 28 is provided with a central bore 36 communicating with the passage through the nipple. At its forward end the bore may be closed by a valve 38 controlled by a handle 40 to establish or cut off communication of the bore with a downwardly discharging orifice 42 for discharging water directly into the tub. The bore also communicates with a pair of lateral valve chambers 44 and 46 controlled respectively by valves 48 and 50 having handles 52 and 54. The valve chambers 44 and 46 communicate with upwardly extending passages 56 and 58 formed at one end of elongated slots in the upper face of the body 28.

A boss unit 60 is formed with a corresponding smooth lower face having slots 62 and 64 therein to register respectively with the slots 56 and 58 when the units are assembled. Preferably the lower plate on the boss 60 is formed with openings 66 through which machine screws or the like may be threaded into tapped holes in the upper face of the body 28.

The boss unit 60 is provided with a large cylindrical bore 68 communicating with the slot 62 and with a side bore 70 communicating with the slot 64. The bore 70 terminates in a connector nipple 72 to which the hose 20 may be connected. A pipe 74 is slidable in the bore 68 and may be clamped in any desired vertical position therein by forming the upper end of the bore as a split sleeve or the like. A hollow block 76 carried by the upper end of the pipe 74 has a shower head 78 adjustably secured thereto by means of a ball and socket joint.

The rear unit 18 is formed by a pad 80 of sponge rubber or the like having a central opening therein provided with a peripheral groove. The pad 80 may be secured to a wall of the tub in any desired position by rubber suction cups 82 mounted adjacent the end thereof. A shower head formed by a hollow sheet metal body 84 is

adapted to be mounted in the central opening in the pad **80**. As shown, the shower head is formed by a perforated convex front plate **86** crimped peripherally at **88** to a rear cup-shaped unit **90**. A double extension **92** on the unit **90** lies in an upwardly extending groove in the pad **80** and is adapted to have the end of hose **20** connected thereto. When the shower head **84** is assembled in the pad **80** the peripheral head **88** lies within the groove in the pad to hold the shower head firmly in place therein.

In using the attachment of the present invention the front and rear units may be installed in a bath tub as indicated in Figure 1, and the desired mixture of hot and cold water may be adjusted through the usual valves **14**. For this purpose the handle **40** may be turned to open valve **38** so that the temperature of the mixed water may be tested at the orifice **42**. For purposes of the usual tub bath the valve **38** may also be opened so that water will flow directly into the tub through orifice **42**.

After the temperature of the water is suitably adjusted the valve **38** may be closed and either or both of valves **48** or **50** may be opened. In the event that only the valve **48** is opened water will be supplied only through the bore **56**, bore **68** and pipe **74** to the front shower head **78**. If valve **50** is opened water will flow through the bores **58** and **70** and hose **20** and will be sprayed from the rear shower unit **18** upon the back of a person in the tub. By the use of the present invention it will be apparent that a person in the tub may be showered while in a seated position and without the necessity of turning to bring the various parts of his body within the range of the front shower head **78**.

While only one embodiment of the invention has been shown and described it will be understood that this is intended to be illustrative only and is not to be taken as a definition of the scope of the invention, reference being had for this purpose to the appended claims.

What is claimed is:

1. A shower attachment for bath tubs comprising a valved body to be attached to the faucet of the tub, a shower head carried by said body, a valve in the body controlling the supply of water to the shower head, a valved passage in the body terminating in a connector nipple, a second shower head, adapted to be supported on the tub at a point spaced from said body, and a flexible hose connecting the second shower head to said nipple.

2. A shower attachment for bath tubs comprising a valved body to be attached to the faucet of the tub, a shower head carried by said body, a valve in the body controlling the supply of water to the shower head, a valved passage in the body terminating in a connector nipple, a second shower head, suction cups on the second shower head for attaching it to the wall of the tub, a flexible hose connecting the second shower head to said nipple, and a second valved passage in said body terminating in a downwardly facing discharge orifice for supplying water direct to the tub.

3. A shower attachment for bath tubs comprising a valved body to be attached to the faucet of the tub, a tubular boss extending upwardly from the body, a pipe slidable in said boss and carrying a shower head at its upper end, a passage in said body terminating in a connector nipple, a valve controlling said passage, a second shower head, suction cups on the second shower head for attaching it to a wall of the tub, and a flexible hose connecting the second shower head to said nipple.

4. A shower attachment for bath tubs comprising a nipple to be attached to the faucet of the tub, a valved body adjustably connected to said nipple whereby the angular position of the body can be adjusted, a tubular boss extending upwardly from said body, a pipe slidable in said boss, and a shower head adjustably carried by the upper end of said pipe.

5. A shower attachment for bath tubs comprising a nipple to be attached to the faucet of the tub, a valved body adjustably connected to said nipple whereby the angular position of the body can be adjusted, a tubular boss extending upwardly from said body, a pipe slidable in said boss, a shower head adjustably carried by the upper end of said pipe, and a valved passage in said body terminating in a downwardly facing orifice for supplying water directly to the tub.

6. A shower attachment for bath tubs comprising a nipple to be attached to the faucet of the tub, a valved body adjustably connected to said nipple whereby the angular position of the body can be adjusted, a tubular boss extending upwardly from said body, a pipe slidable in said boss, a shower head adjustably carried by the upper end of said pipe, a valved passage in said body terminating in a connector nipple, a second shower head, suction cups for connecting the shower head to a wall of the tub, and a flexible hose connecting the shower head to said nipple.

7. A shower attachment for bath tubs comprising a nipple to be attached to the faucet of the tub, a valved body adjustably connected to said nipple whereby the angular position of the body can be adjusted, a tubular boss extending upwardly from said body, a pipe slidable in said boss, a shower head adjustably carried by the upper end of said pipe, a valved passage in said body terminating in a connector nipple, a pad member of yielding material having a central cavity therein, suction cups on said pad member to secure it to a wall of the tub, a shower head supported in said cavity, and a flexible hose connecting the shower head to said nipple.

8. In a shower attachment for bath tubs, a pad member of yielding material having a central cavity therein, suction cups connected to said pad member for connecting it to a wall of the tub, a shower head supported in said cavity, and a flexible hose connecting the shower head to the faucet of the tub.

9. In a shower attachment for bath tubs, a relatively flat pad of rubber or the like having a central opening formed with a peripheral groove, suction cups carried by said pad at the sides of the opening, a hollow shower head fitting within said opening and having a peripheral bead to fit in said groove, and a flexible hose connected to said shower head.

MATHIAS SCHU.