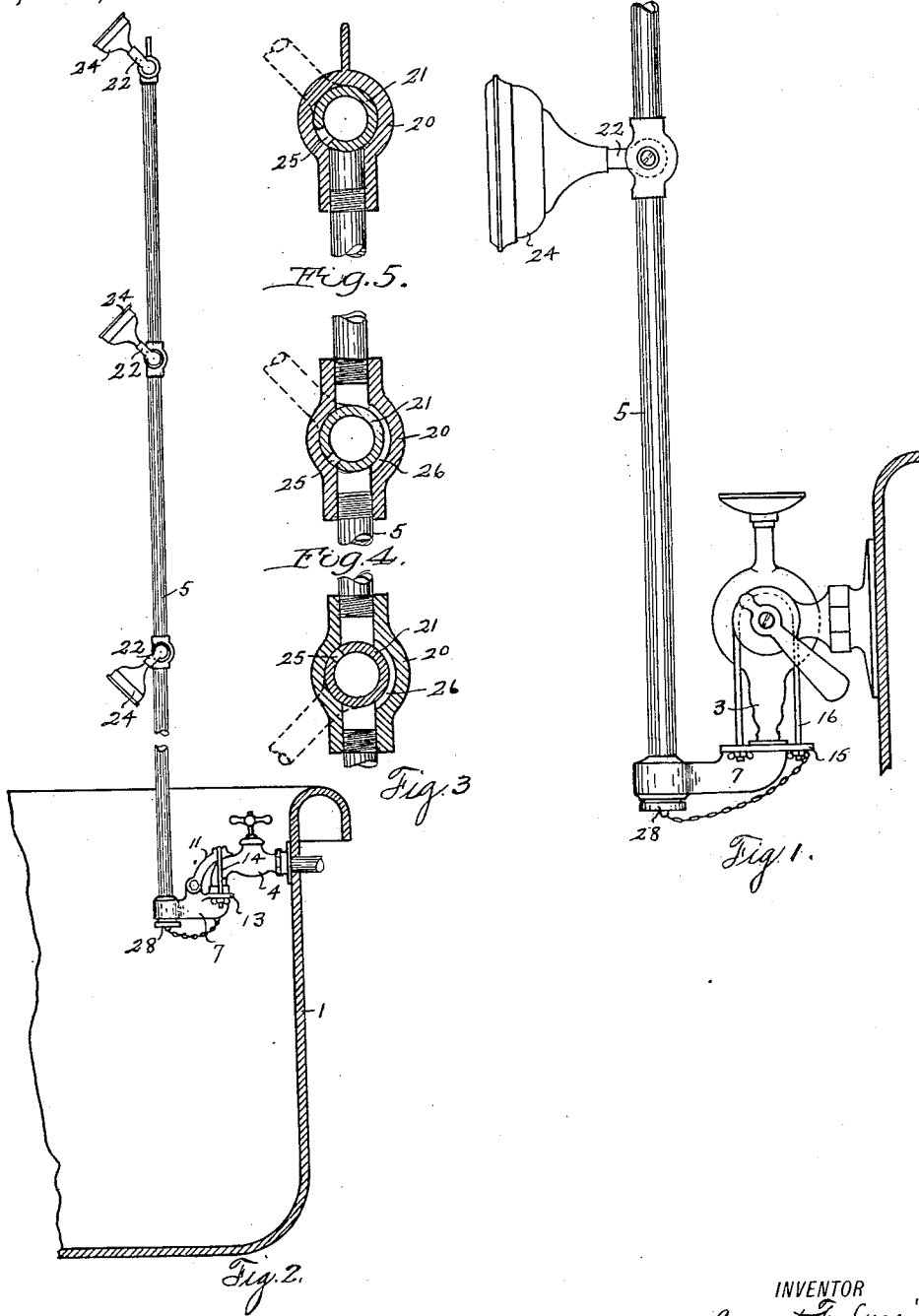


A. F. LUZZI.
SHOWER BATH ATTACHMENT.
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1,218,879.

Patented Mar. 13, 1917.



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SHOWER-BATH ATTACHMENT.

1,218,879.

Specification of Letters Patent.

Patented Mar. 13, 1917.

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To all whom it may concern:

Be it known that I, AUGUST F. LUZZI, a citizen of the United States, residing at Houston, in the county of Harris and State of Texas, have invented certain new and useful Improvements in Shower-Bath Attachments, of which the following is a specification.

This invention relates to new and useful improvements in a shower bath attachment.

The object of the invention is to provide an attachment of the character described which may be readily attached to and detached from the ordinary bath tub faucet.

Another object of the invention resides in the provision of an attachment of the character described which may be easily attached to a plurality of faucets with which a bath tub, to which both cold and hot water is supplied, is provided irrespective of the distance which said faucets may be located apart.

A further feature of the invention resides in the provision of an attachment which will permit the bath tub to be used in the ordinary way without detaching the same from the faucet.

A still further feature of the invention resides in the provision of a stand pipe to which a plurality of spray nozzles are secured, said nozzles being adjustable so that the water sprayed therethrough may be directed in any manner desired.

With the above and other objects in view the invention has particular relation to certain novel features of construction, arrangement of parts and use, an example of which is given in this specification and illustrated in the accompanying drawings, wherein:

Figure 1 shows a fragmentary side elevation of the attachment,

Fig. 2 shows a side elevation of the attachment applied to a bath tub having a single faucet,

Figs. 3, 4 and 5 show fragmentary vertical sectional views of the stand pipe showing the spray nozzle connections thereto.

Referring now more particularly to the drawings, wherein like numerals of reference designate similar parts, in each of the figures the numeral 1 refers to a bath tub, which, in Figs. 1 and 2 is shown equipped with single faucets as 3 and 4 respectively.

In the form shown in Fig. 2, the lower end of the stand pipe 5 is threaded into the

outer end of the tubular connection 7 and the upper end of said pipe is closed.

The connection 7 has a latch as 11 pivoted to the upper side thereof at one end and whose free end normally rests against the upper side of the corresponding faucet and is provided with a notch 12. Each connection has oppositely disposed laterally extending lugs 13, 13, to which the respective ends of the U-bolts 14, 14 are secured, said bolts engaging against, and resting in the notch 12 in, the corresponding latch 11 and clamping the connection 7 securely to the faucet.

In Fig. 1, a single faucet and single connection are shown, the stand pipe 5 being threaded into the free end of the connection. In this form the end of the connection adjacent the faucet is provided with a laterally extending plate 15 and a U-bolt 16 is secured to said plate and engages around the valve shaft bearing and clamps the connection in position with respect to the faucet.

The stand pipe 5 has arranged at intervals therealong tubular joints 20, connecting the sections of said pipe and seated in these joints are the hollow cylindrical valves 21, which fit closely therein and integral with the respective valve ends are the hollow arms 22, which project forwardly into alinement with the bath tub and carry the spray nozzles 24. Each of the valves 21 is provided with an orifice as 25, the orifice of the lower one being arranged at the upper side and the orifices of the others being arranged at the lower side of said valves. When these orifices are brought into alinement with the passageway through the stand pipe and the water is turned on through the faucets, it will pass up through said stand pipe and through said orifices and be sprayed out through said nozzles. The orifice of the lower valve is arranged in the upper side so that the direct pressure will not cause too strong a current through the lower nozzle but the water will be forced therethrough by back pressure only and the orifice of the upper valve is enlarged because the pressure at this point is the weakest. By-passes 26 are provided around the valves 21, excepting the upper one so as to permit the water to reach all of the nozzles through the stand pipe 5.

It is apparent that the water may be cut off from the upper nozzles by elevating said

nozzles to the position shown in Fig. 2, carrying the orifices 25 out of alinement with the passageway through the stand pipe and in a similar manner the water may be cut 5 off from the lower nozzle 24 by lowering said nozzle. When the nozzles are brought into horizontal position as shown in Fig. 1 the orifices 25 will be in alinement with the passageway through the stand pipe 5 and 10 water will be discharged through said nozzle. Each connection 7 has an orifice 27 cut through the under side thereof, which is normally closed by the cap 28. When it is desired to use the bath tub in the ordinary 15 way the water may be cut off from the nozzles 24 in the manner hereinbefore described and the plug 28 removed and the water will thus be discharged directly into the tub.

What I claim is:

20 1. In a device of the character described a stand pipe, a socket therein, forming a bearing, the inner wall of which is provided with a groove forming a by-pass, a hollow rotatable member fitted in said socket, and 25 provided with an orifice through the wall thereof, a tubular arm integral with and extending laterally from said member and

a spray nozzle carried by the free end of said arm.

2. In a device of the character described 30 a stand pipe, having a plurality of sockets therein, spaced apart and forming bearings, the inner walls of said bearings being provided with grooves forming by-passes, hollow rotatable members fitted into said re- 35 spective sockets each member having an orifice through the wall thereof, the orifice of the lower one being through its upper wall, a hollow arm integral with each member by the movement of which the orifice of the 40 corresponding member may be brought into and out of alinement with the passageway through said pipe, and flow of water through said arm thereby controlled, and a spray nozzle carried by the free end of 45 each arm.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

AUGUST F. LUZZI.

Witnesses:

ANNIE L. CARY,
AMY C. BARRETT.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."