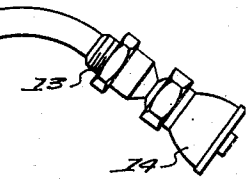
May 12, 1953 R. EVANS ET AL 2,638,382

PORTABLE SHOWER ATTACHMENT

Filed March 9, 1951

Fig. 1.



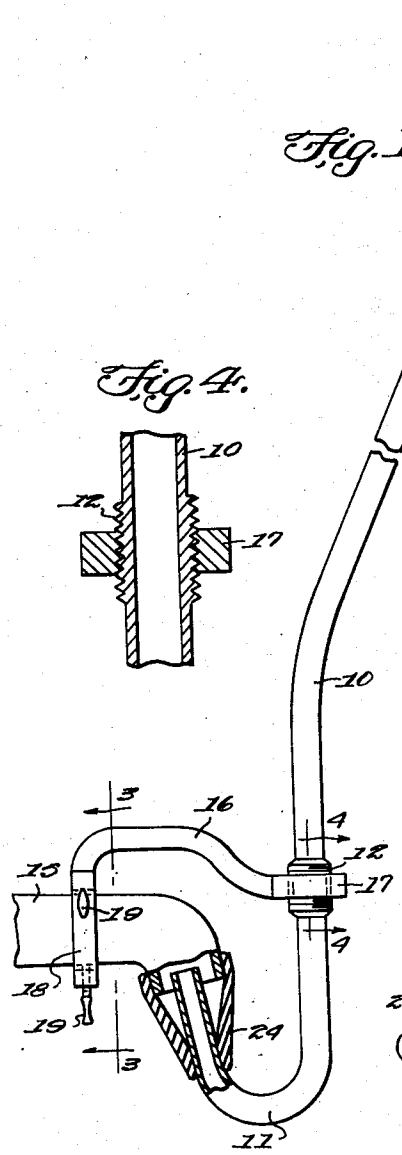


Fig. 4.

Fig. 3.

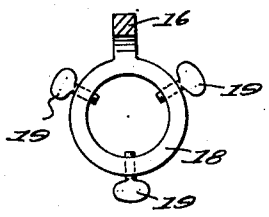


Fig. 5.

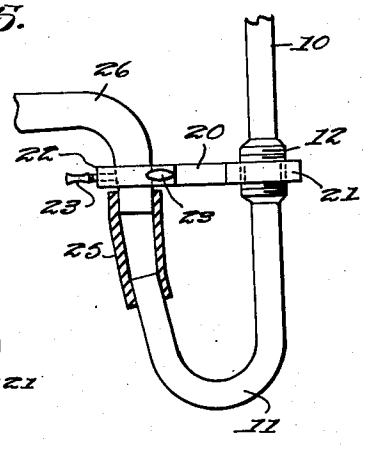


Fig. 6.

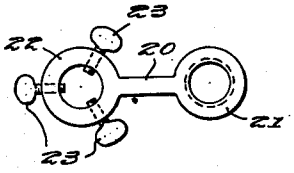
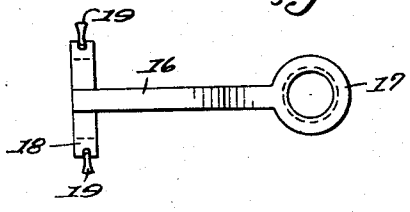


Fig. 2.



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PORTABLE SHOWER ATTACHMENT

Ray Evans and John L. Essary, Knoxville, Tenn.

Application March 9, 1951, Serial No. 214,674

1 Claim. (Cl. 299—58)

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This invention relates to bath showers used particularly in combination with bath tubs in bath-rooms, and in particular an attachment adapted to be clamped over a water faucet or combination outlet fitting whereby an upwardly extended pipe or tube with a spray nozzle on the upper end is supported from a faucet or fitting and temporarily connected to the outlet of the faucet or fitting so that water is supplied from the fitting to the spray nozzle.

The purpose of this invention is to provide a shower bath attachment that may readily be installed in bath tubs now in use, and that eliminates the necessity of using a shower curtain.

Various devices have been provided for providing shower attachments in bath tubs now in use but where rubber tubing is used it is necessary to hold the shower head with one hand and where rigid tubing or pipes are used the services of a plumber are required to install the shower. Furthermore where straight pipes are connected to the water or faucet spouts with U-shape flexible tubes it is almost impossible to maintain the vertical tube in an upright position. With this thought in mind this invention contemplates a shower attachment that may readily be fitted over the outlet spout or fitting through which water is supplied to a bath tub or the like whereby a shower head is suspended in an elevated position so that it may be used with the same convenience as a permanently installed shower.

The object of this invention is, therefore, to provide means for temporarily installing a shower attachment on an outlet spout or fitting of a bath tub or the like whereby a spray head may be supported from the fitting.

Another object of the invention is to provide a shower attachment of the rigid type that may readily be installed by the average layman.

A further object of the invention is to provide a portable shower attachment that may be installed on fittings now in use, which is of a simple and economical construction.

With these and other objects and advantages in view the invention embodies a vertically disposed tube having a U-shape lower end with a threaded boss spaced from the lower end and a support having a threaded ring adapted to be threaded on the threaded boss of the tube and having an open ring and thumb screws radially disposed therein on the opposite end whereby with the said open ring secured by the thumb screws on the outlet spout of a plumbing fitting a shower head carried by the upper end of the

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tube is rigidly supported from the fitting and may also be supplied with water from the fitting.

Other features and advantages of the invention will appear from the following description taken in connection with the drawings wherein:

Figure 1 is a side elevational view illustrating the shower attachment with parts broken away showing a flexible connection between an outlet spout and a U-shape lower end of the attachment.

Figure 2 is a plan view of the bracket used for supporting the device illustrated in Figure 1 with the outlet spout and tube of the attachment omitted.

Figure 3 is a cross section through the bracket taken on line 3—3 of Figure 1.

Figure 4 is a detail showing a longitudinal section through the tube of the attachment illustrating the threaded boss on the outer surface of the tube of the attachment and taken on line 4—4 of Figure 1.

Figure 5 is an elevational view similar to that shown in Figure 1 illustrating the attachment supported from a conventional water faucet and showing a flexible connection between the faucet and attachment in section.

Figure 6 is a plan view of the bracket shown in Figure 5.

Referring now to the drawings wherein like reference characters denote corresponding parts the improved shower attachment of this invention includes a tube 10 having a U-shape section 11 at the lower end with a threaded boss 12 spaced from the lower end and with a similar boss 13 providing means for attaching a shower head 14 on the upper end.

The tube 10 is supported on an outlet spout 15 by a bracket 16, one end of which is provided with an internally threaded ring 17 and the opposite end of which is provided with a ring 18 in which a plurality of radially disposed thumb screws 19 are threaded.

The supporting bracket may be formed as illustrated in Figure 1 wherein the ring 18 is positioned in a plane perpendicular to a plane extended through the ring 17, or the rings may be positioned in the same plane, as illustrated in Figure 5 wherein a bracket 20 is provided with an internally threaded ring 21 that is threaded on the boss 12 of the tube 10 and an open ring 22, that is provided with radially disposed thumb screws 23, as illustrated in Figure 6.

The brackets 16 and 20 are similar, both having threaded rings on the outer ends and open rings on the opposite ends and in the bracket 16 the

open ring is positioned with the axis thereof perpendicular to the threaded ring whereas with the bracket **20** the axis of the open ring is parallel to the axis of the threaded ring.

With the parts formed in this manner the open ring of the bracket is placed over the outlet spout of a water faucet or fitting and with the threaded boss of the tube **10** threaded in the threaded ring on the outer end of the bracket the open leg of the U-shape lower end of the tube is positioned to receive water from at faucet or outlet spout.

In the design shown in Figure 1 the spout **15** is provided with a flexible coupling member **24** one end of which fits snugly over the outer end of the spout and the opposite end over the open end of the U-shape section of the tube.

In the design illustrated in Figure 5 a flexible tubular coupling **25** connects the end of a faucet **26** to the upwardly extended open end of the U-shape section of the tube **10**.

By this means the open ring of one of the brackets is placed over the end of a faucet or spout and secured in position by the thumb screws whereby with the threaded ring on the outer end of the bracket threaded on the boss **12** of the tube **10** the tube **10** is rigidly supported in the upwardly extended position as illustrated in Figure 1. The flexible coupling member is then placed over the adjoining ends of the tube and faucet or fitting and when the water is turned on, water is carried upwardly through the tube **10** to the spray head.

With the tube **10** for supporting the shower head having the integral U-shaped section on the lower end it is possible to rigidly support the tube and shower head, as the threaded end of the bracket provides a positive connection between the bracket and tube at a point spaced from the end of the tube, and with the end of the U-section held by the coupling member two points of suspension are provided whereby the

overhung load of the spray is counteracted and the device rigidly supported.

The device may, therefore, be readily attached and also readily removed and may also be used on a different bath tube or in a different bathroom.

The device is designed to be used with the person in a sitting down position in the tub which keeps the water confined to an area where it is most required, and with the shower attachment designed and supported in this manner the shower head is positioned to direct the spray of water directly into a tub so that it is not necessary to use a shower curtain.

It will be understood that other modifications may be made in the design and arrangement of the parts wtihout departing from the spirit of the invention.

What is claimed is:

A portable spray attachment comprising a vertically disposed tube having a spray head on the upper end, a U-shape section on the lower end and an exteriorly threaded boss spaced from the lower end, a bracket having an open ring with radially disposed thumb screws therein on one end and an internally threaded ring on the opposite end positioned with the internally threaded ring threaded on the threaded boss of the tube, and a flexible coupling member carried by one end of the U-shape section on the lower end of the tube, said bracket adapted to support said tube on an outlet spout.

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