Aug. 6, 1929. A. D. NICHOLSON 1,723,296

SPRAY HEAD

Filed April 6, 1929

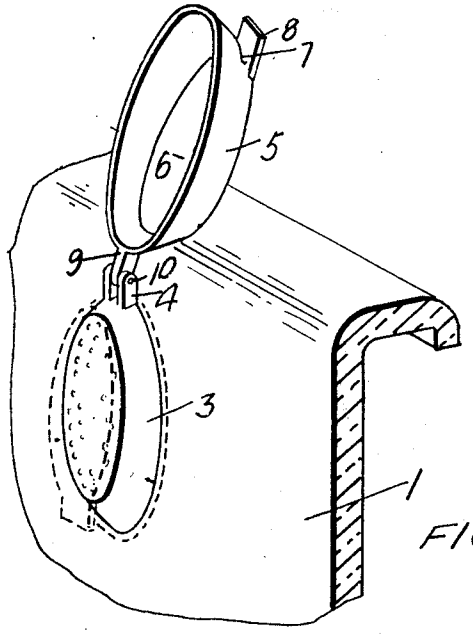


FIG. 1.

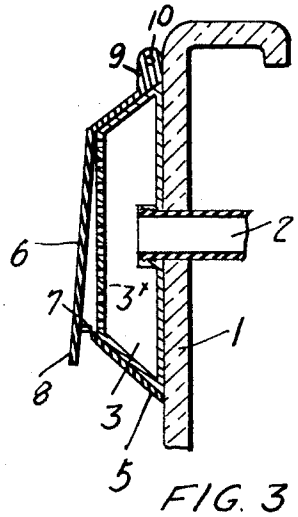


FIG. 3

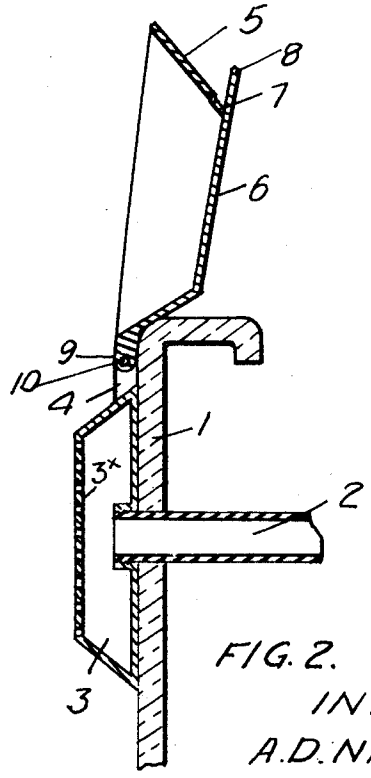


FIG. 2.

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UNITED STATES PATENT OFFICE.

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SPRAY HEAD.

Application filed April 6, 1929. Serial No. 353,057.

My invention relates to improvements in spray heads for shower baths and the object of the invention is to provide an attachment which will permit of providing instantaneously either a shower directed longitudinally of the bath, or a single stream directed downward from the head into the bath, when it is desired to supply water to the bath in the ordinary way.

It consists essentially of the arrangement and construction of parts as hereinafter more particularly explained.

Fig. 1 is a perspective view of a fragmentary portion of a bath head showing the spray head and my attachment connected thereto.

Fig. 2 is a sectional view showing the parts in the position they assume when used as a shower.

Fig. 3 is a similar view to Fig. 2 showing the parts in the position they assume when a single filling stream is desired.

In the drawings like characters of reference indicate corresponding parts in each figure.

1 indicates a fragmentary portion of a bath head through which the water supply pipe 2 extends. 3 is a spray head which is screwed or otherwise secured to the inner end of the supply pipe 2. The spray head is hollow and is provided with the usual perforated front wall 3^x.

4 are lugs which extend upward from the periphery of the spray head adjacent to the bath head 1. The spray head 3 is preferably in the form of a cone frustum. 5 is a cover member which is of substantially the same form as the spray head so as to fit around the same, and is provided with an outwardly inclined imperforate front wall 6 which forms an intervening space between itself and the perforated wall of the spray head in which the fine streams of water passing through the perforations of the spray head gather together into a single stream.

The stream so formed passes down through a slotted opening 7 formed in the periphery of the cover 5 adjacent to the wall 6, so as to discharge such single stream of water downwardly into the bath. The front wall 6 of the cover preferably is projected downward in the form of a tongue 8 which prevents any tendency for the water to splash outward as it discharges through the slot 7. The cover 5 is also provided with a lug 9 which is pivoted between the lugs 4 by a pin 10.

If it is desired to use the spray head in the ordinary way as a spray, all it is necessary to do is to swing the cover member 5 upward into the position shown in Fig. 2. If it is desired to fill the bath in the ordinary way, the cover member 5 is swung downward into the position shown in Fig. 3 so as to extend over the spray head and thereby deflect the streams of water downward in a single stream into the bath.

From this description it will be seen that I have devised a very simple form of attachment for a spray head which will readily permit the use of the head either as a spray or as a filler for the bath.

What I claim as my invention is:—

1. The combination with the water supply pipe of a bath tub, of a spray head secured to the end of the supply pipe, and a cover member adapted to be applied thereto to extend over the perforations of the head to direct the sprayed water downward in a single stream.

2. The combination with the water supply pipe of a bath tub, of a spray head secured to the end of the water supply pipe, a cover member extending over the head to form an intervening space between the head and itself, and a discharge opening formed in the lower peripheral portion of the cover member communicating with said interspace.

3. The combination with the water supply pipe of a bath tub, of a spray head secured to the end of the water supply pipe, a cover member extending over the head to form an intervening space between the head and itself and having a discharge opening formed in the lower peripheral portion of the cover member communicating with said interspace, and a tongue-like portion extending downward from the front edge of the discharge opening.

4. The combination with the water supply pipe of a bath tub, of a spray head secured to the water supply pipe, a cover member having an imperforate outer wall extending over the spray head and in spaced relation with the perforated wall of the head and having a discharge orifice in its lower peripheral portion adjacent such imperforate wall, and a hinged connection between the upper portion of the cover member and the head.

ALBERT DAVID NICHOLSON.