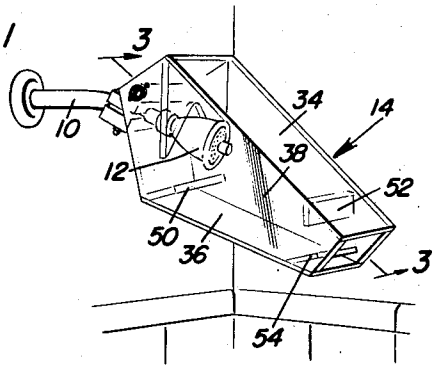
Aug. 18, 1959 R. K. HENSLEY, JR 2,900,139

SHOWER ATTACHMENT

Filed Sept. 4, 1957

Fig.1



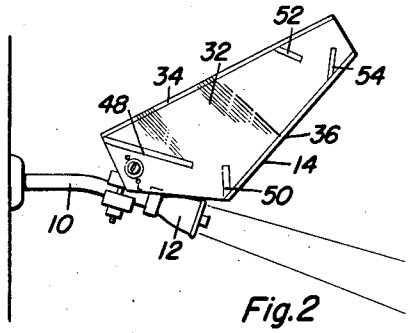


Fig.2

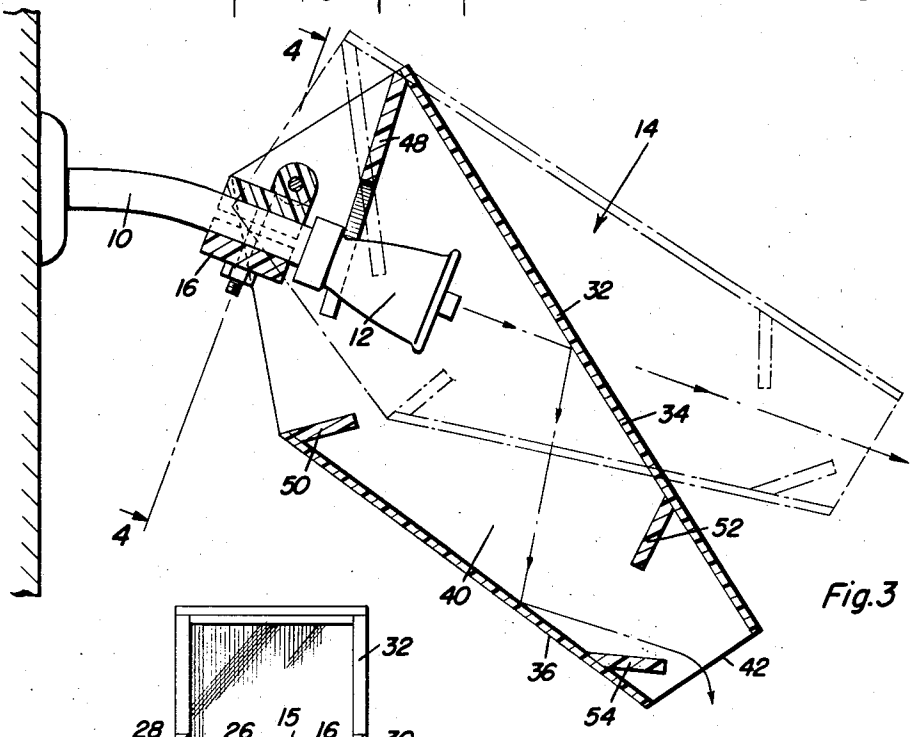


Fig.3

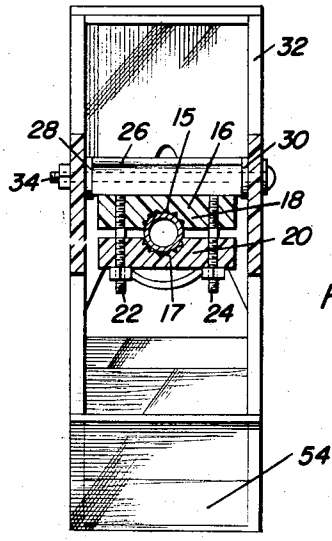


Fig.4

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SHOWER ATTACHMENT

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6 Claims. (Cl. 239—499)

This invention relates to a shower attachment and more particularly to a device adapted to be attached to the shower spray pipe of a bathroom fixture for deflecting the water spray as may be desired.

The primary object of the present invention is to deflect the spray of water emitted by a shower spray head so that the water will be directed in a steady stream outwardly over the person using the shower at such times as the user may desire.

Often during the taking of a shower, the cold or the hot water is inadvertently shut off or reduced in flow. This causes the water emitted by the shower head to be sometimes scalding hot or quite cold, and is often due to water closet operations, other uses of the water supply or the like. The invention contemplates the provision of means whereby the water emanating from the shower spray head may be quickly deflected away from the user, thus protecting the user against scalding or discomfort caused by cold water. Further, when the user is taking a shower and desires to soap himself completely, the shower spray head may be easily brought into use without requiring the shutting off of the water and the necessary subsequent readjustment of the water flow temperature which is often difficult and trying especially when the user is covered with soap.

The construction of this invention features a transparent body having suitable baffles, splash plates and guide plates so arranged as to convert the spray of water into a steady stream and for carrying the spray over the user as may be desired. The invention also is pivoted to the pipe of the shower spray head so as to permit its movement to a position where it does not affect in any manner the normal operation of the shower spray head.

Still further objects and features of this invention reside in the provision of a shower attachment that is simple in construction, capable of being molded, extruded, or assembled of various readily available materials including polystyrene or the like and which is simple to install and easy to use.

These, together with the various ancillary objects and features of the invention which will become apparent as the following description proceeds, are attained by this shower attachment, a preferred embodiment of which has been illustrated in the accompanying drawings, by way of example only wherein:

Figure 1 is a perspective view of the shower attachment comprising the present invention shown operatively installed on the pipe of a shower spray head;

Figure 2 is an elevational view illustrating the shower attachment in a raised position permitting normal spray of water from the shower spray head;

Figure 3 is an enlarged vertical sectional detail view as taken along the plane of line 3—3 of Figure 1; and

Figure 4 is a sectional detail view as taken along the plane of line 4—4 in Figure 3.

With continuing reference to the accompanying drawings wherein like reference numerals designate similar parts throughout the various views, reference numeral **10** generally designates a pipe **10** through which water is directed to the shower spray head **12**. The shower spray head **12** is of conventional design and the shower attachment comprising the present invention and generally indicated by reference numeral **14** is adapted to be utilized in conjunction with the shower spray head **12** for deflecting the flow of water from the shower spray head.

In carrying out the invention a clamp **16** is employed formed of any suitable material such as a synthetic plastic material including polystyrene and provided with serrated recessed surfaces **15** and **17** in the upper and lower sections **18** and **20** thereof. These sections **18** and **20** are held together by nut and bolt assemblies **22** and **24** whereby the clamp **16** may be suitably adjusted on the pipe **10**. Integrally formed with the upper portion **18** of the clamp **16** or attached thereto is a hinge pintle **26** which cooperates with ears **28** and **30** carried by the body **32** so that the nut and bolt assembly **33** which extends through the pintle **26** and the ears **28** and **30** may provide a pivotal connection between the clamp and the body. The nut of the nut and bolt assembly **33** is drawn tight enough to provide a frictional arrangement whereby the body **32** will remain in preset position.

The body **32** includes a top **34**, a bottom **36**, and sides **38** and **40**. The body tapers from the rear portion thereof toward the front at the exit as at **42** for fluid so as to funnel the water outwardly.

Bonded to the top and sides of the body **32** is a back splash plate **48** which fits over the shower spray head **12** and which is adapted to stop back splash and flow of water emanating from the spray head **16** and impinging against the top **34**.

Bonded to the bottom **36** at the rear thereof is an upflow plate **50** which is positioned below the back splash plate **48** and extends forwardly at an acute angle with respect to the bottom **36** and is bonded to the sides **38** and **40**.

Extending substantially parallel to the back splash plate **48** at the front portion of the body **32** and bonded to the top **34** and sides **38** and **40** is a guide **52** which is adapted to guide water downwardly onto the baffle **54** and bottom **36** which rises upwardly from the bottom **36** and is bonded to the bottom **36** and the sides **38** and **40** and extends at an acute angle with respect to the bottom upwardly and forwardly so as to deliver fluid in a stream outwardly through the discharge or outlet **42**. This baffle **54** is positioned below the guide **52**.

The entire body **32** is preferably formed of transparent material so that the condition of water flowing therethrough may be readily observed.

In use, the shower attachment is normally in the position as shown in Figure 2 so that the spray head may perform its usual functions. Should, however, the water flowing from the spray head become suddenly too hot or too cold for any reason whatsoever, the shower attachment may quickly be flipped down to the position below that shown in Figure 1 whereby the water will be deflected downwardly and thus not cause unnecessary discomfort to the shower user. Then, the temperature of the water may be adjusted or if the temperature has changed due to water closet use or the like the user may then wait until the temperature becomes readjusted. Further, should the user desire to soap himself without the water splashing on his body, the shower attachment may be moved to the same position thus eliminating the necessary readjustment of the shower faucet controls for the desired temperature. When the device is disposed as in Figure 2, the spray discharged from the spray head will be modified so that it is discharged onto the person using the device in a steady stream thereby eliminating discomfort caused by stinging of the spray.

The foregoing is considered as illustrative only of the

principles of the invention. Further, since numerous modifications and changes will readily occur to those skilled in the art, it is not desired to limit the invention to the exact construction and operation shown and described, and accordingly all suitable modifications and equivalents may be resorted to, falling within the scope of the invention as claimed.

What is claimed as new is as follows:

1. A shower attachment comprising a clamp for attachment to a shower pipe, a hollow body pivoted to said clamp, said hollow body having positioned therein at the upper part thereof a back splash plate adapted to fit over a shower spray head for preventing back splash of water impinging against said body from said spray head, an upflow plate secured to the bottom rear portion of said body below said back splash plate, a baffle secured to the bottom front portion of said body for delivering water from said body in a stream, and a guide secured to said body at the upper front portion thereof for deflecting water to said baffle.

2. The construction of claim 1 wherein said guide is positioned above said baffle and extends substantially parallel to said back splash plate.

3. A shower attachment comprising a clamp for attachment to a shower pipe, a hollow body pivoted to said clamp, said hollow body having positioned therein at the upper part thereof a back splash plate adapted to fit over a shower spray head for preventing back splash of water impinging against said body from said spray head, an upflow plate secured to the bottom rear portion of said body below said back splash plate, a baffle secured to the bottom front portion of said body for delivering water from said body in a stream, and a guide secured to said body at the upper front portion thereof for deflecting water to said baffle, said guide extending transverse of said body and extending upwardly and forwardly at an acute angle with respect to the bottom of said body.

4. A shower attachment comprising a clamp for attachment to a shower pipe, a hollow body pivoted to said clamp, said hollow body having positioned therein at the upper part thereof a back splash plate adapted to fit over a shower spray head for preventing back splash of water impinging against said body from said spray head, an upflow plate secured to the bottom rear portion of said body below said back splash plate, a baffle secured to the bottom front portion of said body for delivering water from said body in a stream, and a guide secured to said body at the upper front portion threof for deflecting water to said baffle, said guide extending transverse of said body and extending upwardly and forwardly at an acute angle with respect to the bottom of said body, said guide being positioned above said baffle and extending substantially parallel to said back splash plate.

5. In combination with a shower spray head mounted on the end of a water supply pipe, an attachment comprising a hollow body, means on one end of said body detachably and pivotally connecting the body to the pipe with the shower spray head disposed within one end of the body with the body being swingable about a transverse axis, said body including a top wall disposed in inclined spaced relation to the discharge end of the spray head, a back splash plate extending downwardly from the rear end portion of the top wall for preventing back splash of water past the spray head, a bottom wall extending in converging relation to the top wall, an upwardly inclined baffle on the bottom wall disposed forwardly of the spray head whereby spray impinging on the top wall will be deflected downwardly against the bottom wall and outwardly in substantially a continuous stream of water thereby reducing discomfort caused by spray from the shower head.

6. An attachment for mounting on a shower spray head comprising a hollow body, means on one end of said body for detachably and pivotally mounting the body on the shower spray head with the shower spray head being disposed within one end of the body and the body being swingable about a transverse axis thereby enabling the attachement to swing from an inoperative position out of the path of movement of water spray being discharged from the shower spray head to an operative position with the body receiving the water spray from the shower spray head, said body including a top wall and bottom wall disposed in converging relation from the one end receiving the shower spray head toward the outer end thereof, said top wall including baffle means inclined downwardly towards the bottom wall and disposed in the path of movement of the water spray being discharged from the shower spray head for deflecting the water spray downwardly toward the bottom wall, said bottom wall including baffle means disposed longitudinally outwardly of the top wall baffle means and disposed substantially in a horizontal position when the body is in operative position for discharging water from the outer end of the body in substantially a continuous stream thereby reducing discomfort caused by spray from the shower spray head, said top wall and bottom wall each including an inwardly extending back splash plate adjacent said one end thereof for preventing back splash of water from said one end of said body.

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