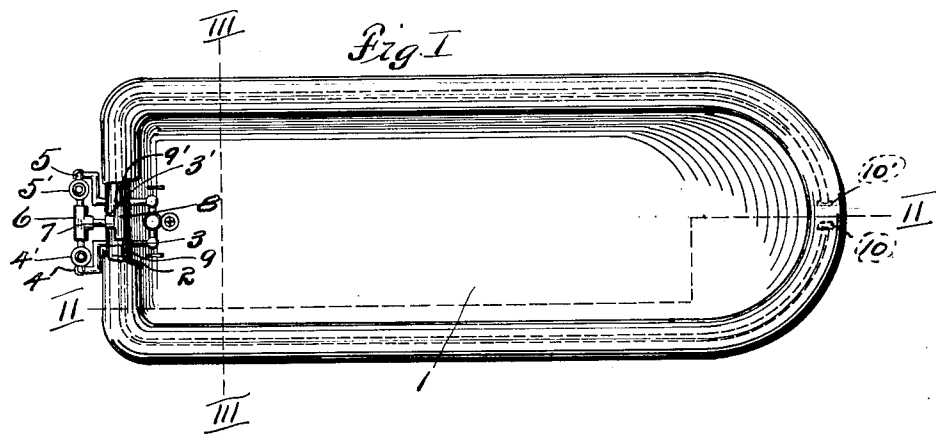
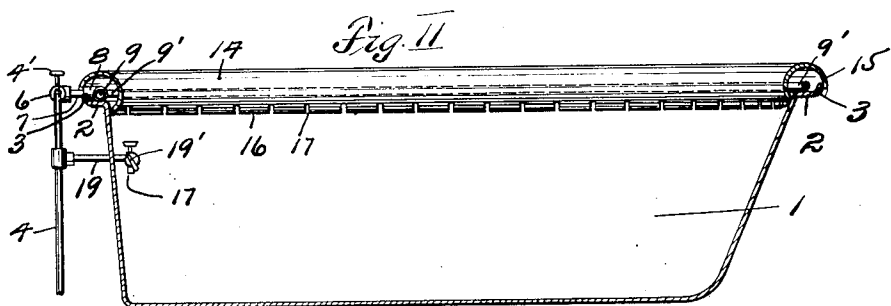
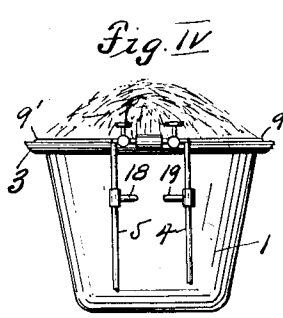
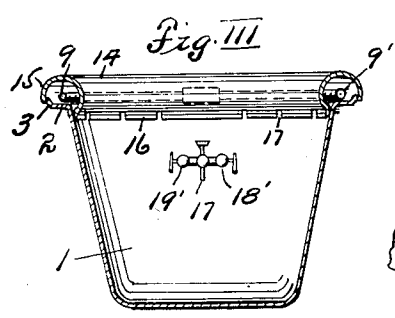
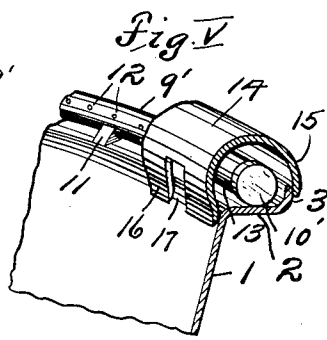


920,575.

Patented May 4, 1909.



WITNESSES:
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BATH-TUB.

No. 920,575.

Specification of Letters Patent.

Patented May 4, 1909.

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To all whom it may concern:

Be it known that I, CHARLES F. IKE, a citizen of the United States, residing at Kansas City, in the county of Jackson and State of Missouri, have invented certain new and useful Improvements in Bath-Tubs; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the characters of reference marked thereon, which form a part of this specification.

My invention relates to bath tubs, and has for its object to provide a device of this class to which water may be supplied from all or various points on the tub body for the purpose of providing an even temperature throughout the length of the tub, and heating the tub body when warm or hot water is being supplied, and which may be slightly altered to enable the water to be furnished to the tub in a shower. In accomplishing this object I have provided the improved details of structure which will presently be fully described and pointed out in the following claims, reference being had to the accompanying drawings in which:—

Figure I is a top plan view of a bath tub constructed according to my invention. Fig. II is a longitudinal sectional view of same on the line II—II, Fig. I. Fig. III is a transverse sectional view of same on the line III—III, Fig. I. Fig. IV is a rear view of the tub illustrating its use as a shower and showing the pipe connections. Fig. V is an enlarged detail view of a portion of the pipe carrying rim and water pipe.

Referring more in detail to the drawings:—1 designates the body of the tub which, with the exception of the upper rim, is of any ordinary construction.

2 designates the tub rim flange, which is preferably integral with the body 1 and turned outwardly in a slightly inclined plane; the outer edge of said flange being provided with an upwardly and outwardly extending portion or lip 3.

4 and 5 designate respectively, hot and cold water supply pipes which are provided with the valves 4' and 5' through which the flow through each is regulated independently of the other; said pipes terminating in a T 6 which is provided with a connection 7 that extends through a slot 3' in the rim

flange lip 3 and is in turn connected with a T 8 which seats on said rim flange.

Connected with and projecting from each end of T 8 is a pipe 9—9' which extends to the opposite end of the tub and there terminates in a cap 10—10'; pipes 9—9' being held in their seats on rim 2 by means of the lugs 11 which are preferably cast integral with the tub body and located at desired distances apart.

Owing to the fact that pipes 9—9' are made to follow the contour of the tub, when set in place, they cannot revolve in their seats, so that ports formed therein will always discharge at the same angle. The angle of discharge which I prefer is that illustrated in Figs. IV and V, where the pipes are shown as provided with the discharge ports 12 and drain port 13, the latter being provided in order that the water may drain from pipes 9—9' after each use.

Under ordinary conditions the tub rim will be provided with an auxiliary removable rim 14, which is preferably curved as shown to provide an edge 15, adapted to rest on the lip 3 of the tub rim flange 2, and a flange 16 adapted to rest against the tub body; the flange 16 having the edge slots 17 to permit the water discharged from pipes 9—9' to flow into the tub and the body of the auxiliary rim being supported over and away from the pipes 9—9' to form a cover therefor without impeding the discharge of water therefrom.

While it is my intention to have water supplied to the tub from pipes 9—9', I have tapped the supply pipes 4 and 5 to provide a supply to the tub through a nozzle 17, the tapping pipes 18 and 19 being provided with the valves 18'—19' and being connected with the nozzle and operated in the usual manner.

When in use, the auxiliary rim is placed on the main tub rim so that its outer edge is supported on the lip 3 and the slotted flange against the tub body. If a hot bath is desired, the hot water is turned on through pipe 4 and tempered by cold water from pipe 5, the two streams uniting in the T 6 and being spread by the T 8 so that the water will flow through each of pipes 9—9' equally. From pipes 9—9' the water is discharged against the auxiliary rim 16 and escapes through slots 17, flowing down the inner surface of the tub and warming the tub as the latter is being filled, so that when ready for use the tub body will be at sub-

stantially the same temperature as the contained water and no unpleasant sensation of chill experienced by the bather should his body come in contact with the tub body. 5 By supplying the water in this manner, that at one end of the tub is of the same temperature as at the other so that a desired temperature for the bath may be easily secured. When enough water has been admitted to the tub the flow is shut off, the 10 water not forced through ports 12 draining from the lower ports 13, so that no water is allowed to remain in the pipes to produce an unsanitary condition.

15 When a shower bath is desired, the auxiliary rim 14 is removed and the water discharged through the pipes with sufficient force to produce the shower shown in Fig. IV.

In the ease with which the auxiliary rim 20 may be removed and the parts cleaned and the drainage of pipes 9—9', I have provided for the sanitation of my device.

Having thus described my invention, what I claim as new therein and desire to secure 25 by Letters-Patent is:—

1. A bath tub comprising a body member

having a top edge turned outwardly and provided with an upwardly directed flange, supply pipes supported on the top edge of said tub, and a rim having a curved side 30 member adapted for engagement with the upwardly directed flange and an opposite, transversely slotted lip adapted to bear against the inner surface of the tub, substantially as and for the purpose set forth. 35

2. A bath tub comprising a body member, a rim flange on said body member, a lip on said rim flange, lugs on said body member adjacent to said rim flange, and a supply pipe 40 seated on said rim flange between said lugs and said lip and a removable rim covering said supply pipe, said rim having an edge lip adapted for holding engagement with the lip on said rim flange and a depending flange 45 adapted for engagement with the inner surface of said tub, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

CHARLES F. IKE.

Witnesses:

JOHN F. WADE,

HAROLD E. RICHARDS.