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# UNITED STATES PATENT OFFICE.

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## BATH APPARATUS.

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*To all whom it may concern:*

Be it known that I, WILLIS LIPPINCOTT, a citizen of the United States, residing at Kalispell, in the county of Flathead and State of Montana, have invented a new and useful Bath Apparatus, of which the following is a specification.

This invention relates to bath apparatus, one of its objects being to provide a portable structure adapted to be suspended above a bath tub or other suitable receptacle, and which is divided into separate compartments for holding hot and cold water, there being means whereby water can be withdrawn from either of the compartments and directed onto a scrubbing element such as a mitt, or whereby water can be withdrawn from both compartments so that it will be discharged in a tempered condition.

A further object is to provide means whereby water can be withdrawn from one of the compartments and discharged into a shower nozzle.

Another object is to provide a portable bath appliance adapted to contain its own heater and which is so constructed that the heated contents of one compartment will not raise the temperature of the contents of the other compartment.

With the foregoing and other objects in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed, can be made within the scope of what is claimed, without departing from the spirit of the invention.

In the accompanying drawings the preferred form of the invention has been shown.

In said drawings:—Figure 1 is a vertical section through the apparatus, parts being broken away. Fig. 2 is a section on line A—B Fig. 1, parts being broken away.

Referring to the figures by characters of reference 1 designates a tank of any suitable size and proportions, the same being preferably provided, near its upper end, with diametrically opposed interior ears 2 to which is connected a bail 3 which may be provided with a central eye 4 adapted to engage a hook or other support. Within the tank 1 and extending throughout the height thereof, are concentric partitions 5 dividing

the interior of the tank into a central or hot water compartment 6 and an outer or cold water compartment 7, the two compartments being spaced by an air compartment 8 which is located between the partitions 5 and has openings 9 in the bottom thereof and an open top, so that air is free to circulate through this compartment 8 and thus prevent the transmission of heat from the inner compartment 6 to the outer compartment 7. An outlet pipe 19 is secured in the bottom of the inner compartment 6 and is provided, at its lower end, with a branch 20 connected, by a flexible tube 21 or the like, to a cock 22 in communication with the outer compartment 7. A valve 23 is provided in the lower portion of the pipe 19 and above the branch 20. Mounted on the pipe 19 and close to the bottom of the tank 1 is a sleeve 24 communicating with a valve casing 25 which is adapted to receive water from the compartment 7, the valve in this casing being normally closed so as to prevent the escape of water through said casing.

Extending from the lower end of sleeve 24 is a shower nozzle 26 the apertured face 27 of which is fitted close about the pipe 19. A flexible tube 28 extends from the lower end of pipe 19 and has a looped cord 29 attached thereto, this cord being adapted to engage a button 30 secured to a bag or mitt 31. Eyes 32 are arranged at the sides of the tank 1 and are detachably engaged by hooked arms 33 which are secured to a ring 34. This ring is adapted to support a curtain designed to inclose the person using the apparatus.

Any suitable form of electric heater such as indicated generally at 35, is adapted to be mounted removably within the compartment 6. After the heater has been placed in this compartment and the apparatus has been hung up on a suitable support, the two compartments 6 and 7 are partly or entirely filled with water and when a current is passed through the heater 35, the contents of the compartment 6 will be quickly raised to a high temperature. When it is desired to use the apparatus, the water can be drawn off simultaneously from both compartments by opening valve 23 and cock 22, the cold water escaping through the branch 20 serving to temper the hot water escaping through the pipe 19, so that a stream of a desired temperature will thus



discharge from the tube 28 onto the mitt or bag 31 which is placed on one of the hands of the bather. After the body has been cleaned by the use of the mitt or bag 31, the flow of water through the tube 28 can be cut off by closing valve 23 and cock 22, after which the valve in casing 25 can be opened and a spray of cold water discharged onto the bather. If warmer water is preferred for the shower bath, the heater may be placed in the cold water compartment for a short period.

It will be seen that the apparatus is very simple, compact in construction, can be easily manipulated, and is especially useful where hot and cold water systems are not installed; also in warm weather when people do not desire to maintain a fire in the stove or furnace for the purpose of heating water for the bath.

In order that the device may be supported on the floor when not in use, a suitable number of legs indicated at 35, may be extended downwardly from the tank 1 and connected at their lower ends by a ring 36, this ring forming a base located below all metal portions of the bath apparatus. Obviously the legs 35 can be of any form and proportions desired and, if preferred, the ring 36 can be eliminated.

What is claimed is:—

1. Bath apparatus including a portable tank, concentric partitions therein dividing the interior of the tank into a central hot water compartment and an outer cold water compartment, a heater removably mounted in the central compartment, there being an annular air space between the compartments provided with openings in the bottom thereof and an open top, a pipe communicating with and depending from the central compartment, a flexible tube communicating therewith, a tubular connection between the outer compartment and said flexible tube, valves for controlling the pas-

sage of water from the respective compartments to the flexible tube, a sleeve surrounding the pipe, a spraying nozzle depending therefrom, and valved means for directing water into the sleeve from the outer compartment.

2. Bath apparatus including a portable tank, concentric partitions therein dividing the interior of the tank into a central hot water compartment and an outer cold water compartment, and a heater removably mounted in one of the compartments, said compartments having separate outlets.

3. Bath apparatus including a portable tank having concentric compartments, a ring-like base, connections between the base and the bottom of the tank, a spraying nozzle supported by the tank and above the base, a valved connection between the spraying nozzle and one of the compartments, an outlet tube, and valved connections between said tube and the respective compartments.

4. Bath apparatus including a portable tank having concentric compartments, a ring-like base, connections between the base and the bottom of the tank, a spraying nozzle supported by the tank and above the base, a valved connection between the spraying nozzle and one of the compartments, an outlet tube, and valved connections between said tube and the respective compartments, one of said connections constituting a support for the spraying nozzle, arms detachably engaging and extending outwardly from the bottom portion of the tank, and a curtain supporting ring carried by the arms and above the base.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

WILLIS LIPPINCOTT.

Witnesses:

ALVA S. SHERLOCK,  
M. K. SHERLOCK.

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