

No. 853,276.

PATENTED MAY 14, 1907.

A. H. VIEL.
BATH TUB.

APPLICATION FILED APR. 9, 1906.

FIG. 2.

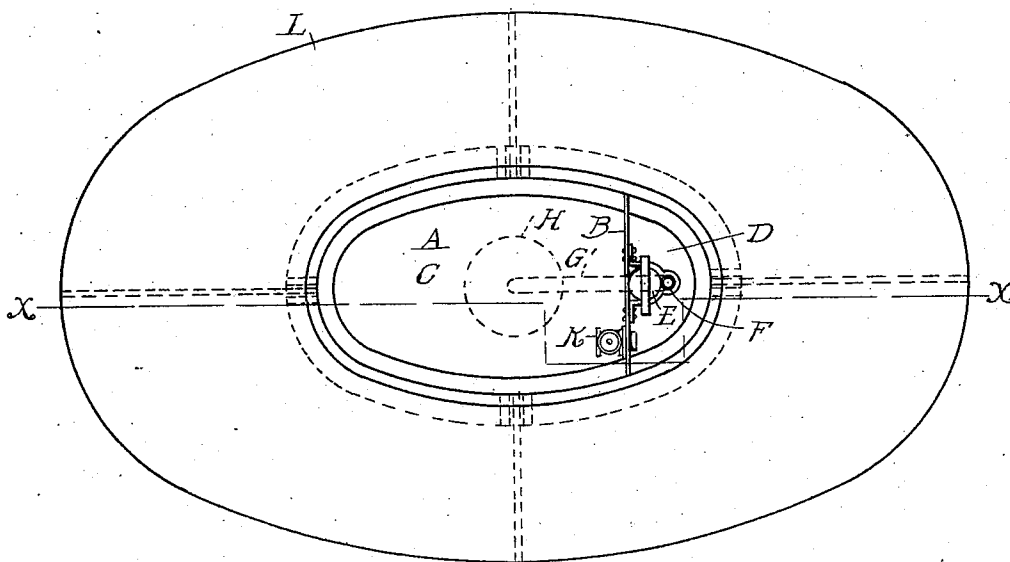
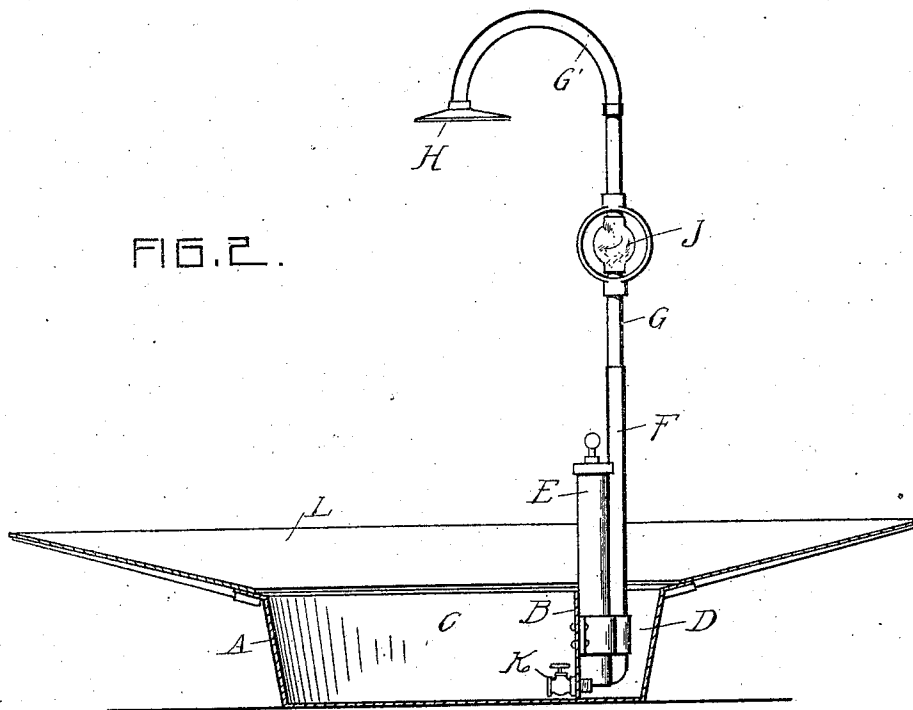


FIG. 1.

WITNESSES
Geo. H. Graves
Amelia Williams BY

INVENTOR
ARTHUR H. VIEL.
Whittaker Hulbert ATTYS.

UNITED STATES PATENT OFFICE.

ARTHUR H. VIEL, OF FENTON, MICHIGAN.

BATH-TUB.

No. 853,276.

Specification of Letters Patent.

Patented May 14, 1907.

Application filed April 9, 1906. Serial No. 310,817.

To all whom it may concern:

Be it known that I, ARTHUR H. VIEL, residing at Fenton, in the county of Genesee and State of Michigan, a citizen of the United States of America, have invented certain new and useful Improvements in Bath-Tubs, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to new and useful improvements in portable bath tubs, and more particularly in tubs designed for shower baths, and consists in a novel construction and arrangement of parts, as will be more fully hereinafter described and set forth in the claims.

Heretofore, many portable shower tubs have been designed, but were unsuccessful because of serious defects. Of these, the main defect was that clean water for the shower could not be obtained at the end of the bath without emptying and refilling the tub, which is, of course, an arduous proceeding with a portable tub.

The object of my invention is to obviate this defect and arrange for a clean shower for rinsing purposes at the end of the bath.

In the drawings, Figure 1 is a plan view of my improved tub; and Fig. 2 is a cross section on line $x-x$ of Fig. 1.

A is a tub which I have shown as oval, but it is obvious that it may be made in any desired shape.

B is a water-tight bulkhead or partition dividing the tub into compartments C and D, the compartment D comprising only about one-fifth of the volume of the whole tub. In the compartment D is mounted (preferably by securing to the partition B) a force pump E of any suitable construction, with its intake opening near the bottom of the tub and its outlet connected to the shower nozzle H suspended above the compartment C. The connections preferably comprise upright telescoping pipes F and G and overhang pipe G' as clearly shown in Fig. 2. If desired, I may

also install in the connections a pressure bag or bulb J of rubber or other suitable material in order that its elasticity may permit a steady spray from the shower nozzle and prevent the intermittent and jerky spray incident to the use of a single acting pump.

Near the bottom of the partition is an opening closed by a valve K by means of which communication may be established between the compartments. A folding splash apron L is preferably provided and may be of any suitable form, as many of which are well known to those skilled in the art.

The operation of my device is as follows:— The operator fills both compartments of the tub about two-thirds full, leaving the valve K open. By operating the pump, he may then shower himself until thoroughly wet and ready for the application of soap. The valve K is then closed to prevent the soapy water from entering compartment D, leaving it still two-thirds full of clear water. After washing in compartment C, the operator may rinse with clear water from the shower. If more water is desired, it may be poured into compartment D, and a corresponding amount of soapy water may be bailed from compartment C if the tub is too full. Thus, a thorough rinsing with clean water may be obtained without the necessity of emptying and refilling the whole tub.

What I claim as my invention is:—

In a portable shower bath, the combination with a tub, of a partition forming two compartments therein and having an opening connecting therebetween, a valve in said opening, a pump mounted in one of said compartments, and a shower nozzle connected to said pump.

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

ARTHUR H. VIEL.

Witnesses:

R. B. RENWICK,
E. C. FORTE.