

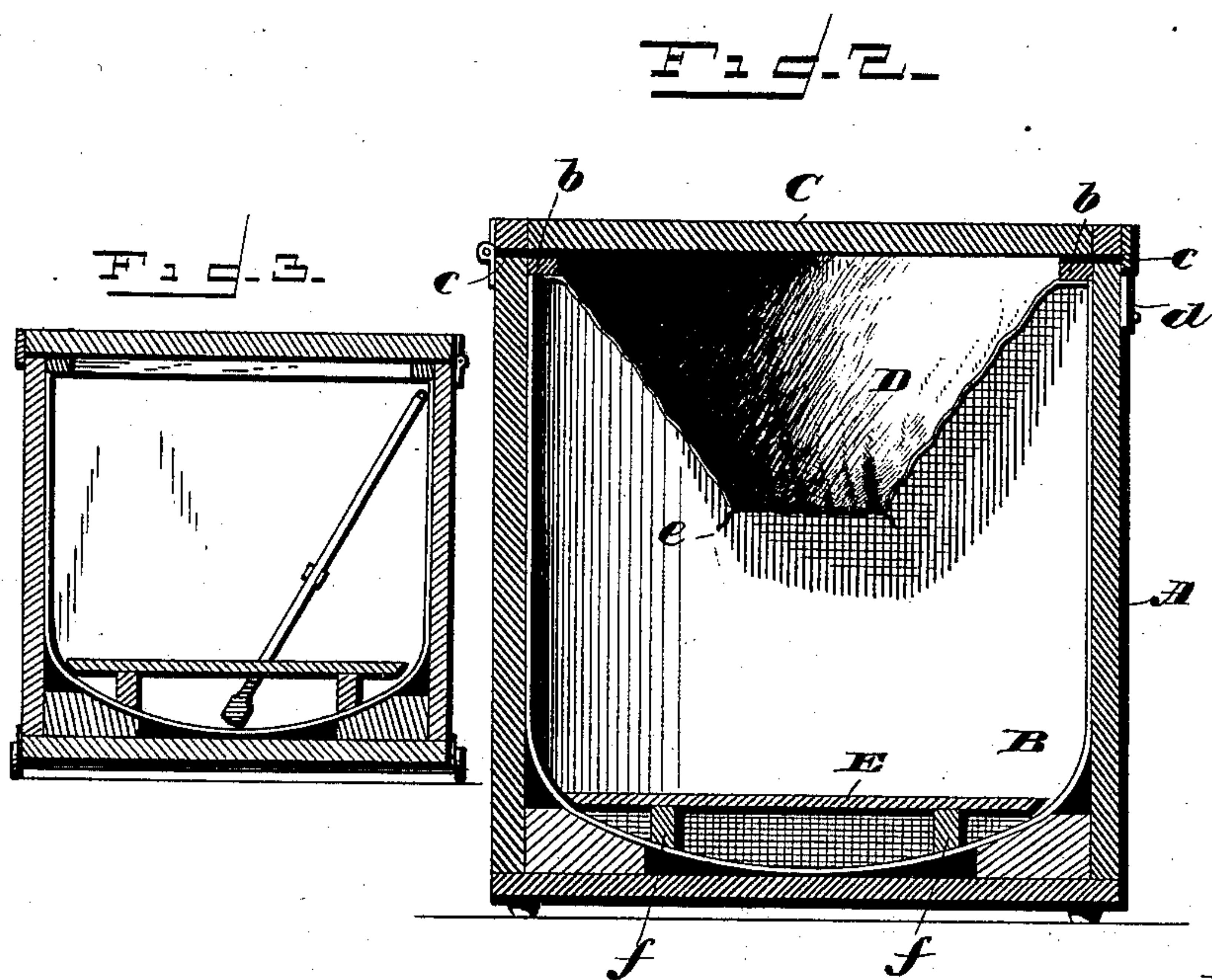
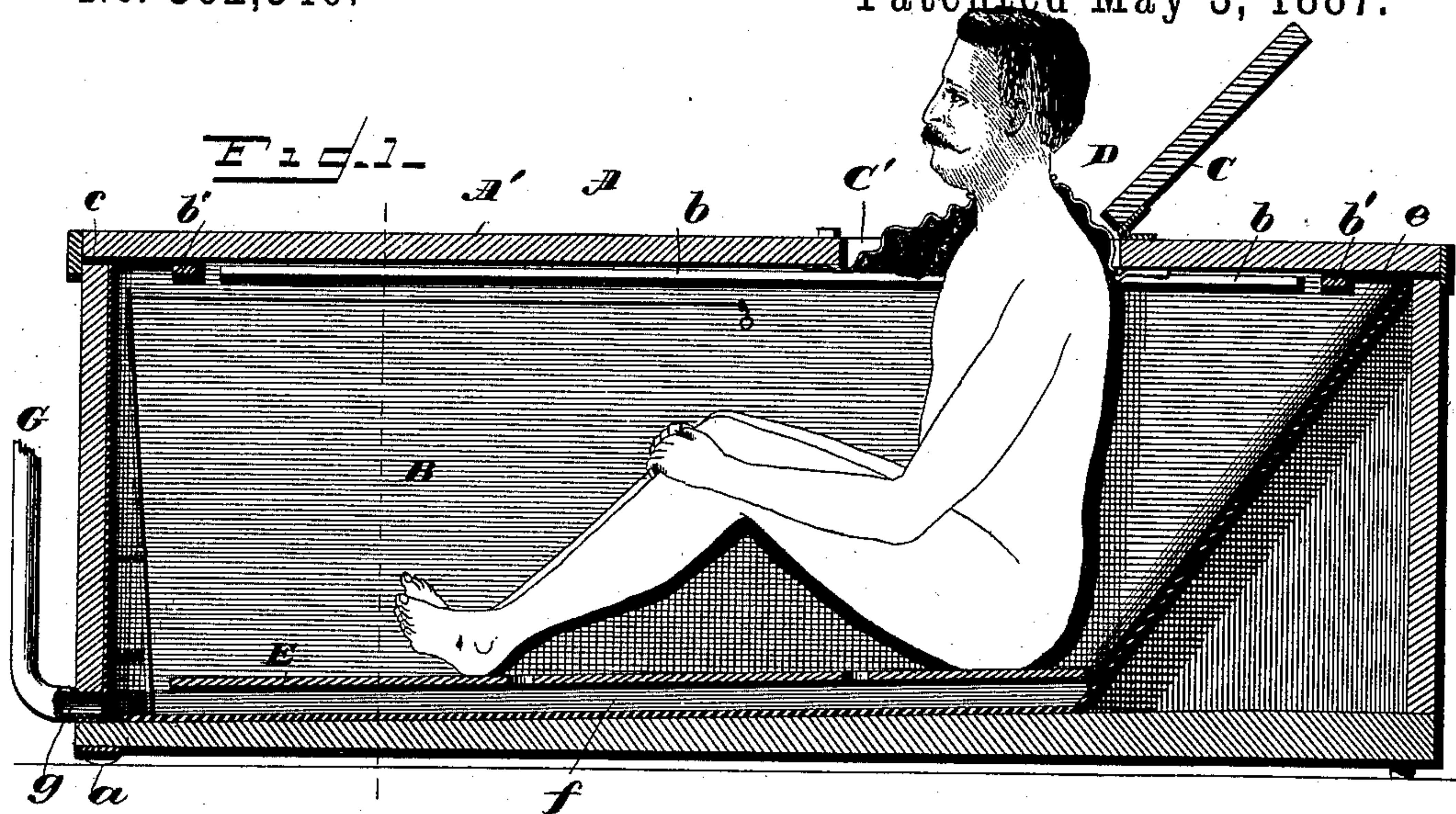
(No Model.)

D. R. WATSON.

BATH TUB.

No. 362,340.

Patented May 3, 1887.



WITNESSES.

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DAVID R. WATSON, OF BALLINGER, TEXAS.

BATH-TUB.

SPECIFICATION forming part of Letters Patent No. 362,340, dated May 3, 1887.

Application filed December 23, 1886. Serial No. 222,352. (No model.)

To all whom it may concern:

Be it known that I, DAVID R. WATSON, a citizen of the United States of America, residing at Ballinger, in the county of Runnels and State of Texas, have invented certain new and useful Improvements in Bath-Tubs; and I do hereby 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 letters or figures of reference marked thereon, which form a part of this specification.

My invention relates to certain new and useful improvements in bath-tubs, the object of the same being to provide a means whereby an ordinary bath-tub may be used for administering steam or medicated baths; and my invention consists in the construction and combination of the parts, as will be hereinafter fully set forth, and specifically pointed out in the claims.

In the accompanying drawings, which illustrate my invention, Figure 1 is a longitudinal section of a bath-tub constructed in accordance with my improvement, and Fig. 2 is a vertical sectional view. Fig. 3 is a similar view on a smaller scale, looking in the opposite direction.

A refers to a box or receptacle for the bath-tub B, said box being preferably provided at one end with rollers *a*, so that the same can be readily removed, the opposite end of said frame or box having ordinary supporting-legs. The box A has hinged to one of the longitudinal sides thereof a cover, A', which is provided on its under side with longitudinal strips *b*, as well as transverse strip *b'*, between which and the outer edge of the tub is secured a suitable packing, *c*, which will convert the bath-tub, when the top is closed, into a tight receptacle. This top is also provided with suitable hooks or catches, *d*, for attaching the edge of the top opposite the hinges to the sides of the box A. The top A' is provided near the upper end of the bath-tub with a hinged door, C, and an opening, C', the under side of said opening having attached thereto an impervious fabric, D, which is provided at its loose edge with a drawing-string, *e*.

E refers to a suitable bottom board, which

consists of a series of transverse strips which are provided at suitable intervals with perforations, said transverse strips being each connected to longitudinal strips *ff*, which have the under sides beveled, so as to conform to the curve of the bottom of the tub and provide a space between said bottom and the transverse strip.

The tub and box A are provided with a tube, *g*, which projects slightly beyond the exterior of the box, and said tube is provided with a flexible pipe, G, which may lead either to a hot-water spigot or a steam-pipe, and through this tube and pipe *g* steam (either medicated or otherwise) or hot water is admitted to the space under the removable bottom E, and said tube *g*, when brought below the bottom of the tub, will serve as a means for removing water therefrom.

The pipe *g* may be provided on the interior of the tub with a suitable stopper, which may be normally held away from the end of the pipe *g* on its interior side by spring-pressure, said spring bearing against a pivoted rod which may extend diagonally across one end of the tub, the upper end of said rod being provided with a sliding bar for operating the same, so that the person taking a bath can regulate the admittance of steam or hot water to the interior of the tub.

When it is desired to take a steam or medicated bath, the removable bottom is first placed in the tub, and the person sits upon the same. The cover is then lowered and his head inserted through the textile fabric D, the drawing-strings being on the inner side of the tub, so that the person can operate it. After they are made fast, steam can be admitted to the tub, or, if desirable, boiling water, which will enter under the artificial bottom, so that the steam will pass through the perforations therein. When it is desirable, an ordinary bath can be taken by simply removing the artificial bottom and keeping the lid in a raised position.

The lid of the box, forming with the tub an air-tight receptacle, may be used for packing or storing purposes, and the top and sides of the tub may be ornamented, so as to form an article of furniture, as a sofa or bed.

I am aware that prior to my invention it has been proposed to give vapor baths in cab-

inlets and other devices to which vapor can be admitted, and also that bath-tubs have been provided with air and steam tight covers of fabric, and I do not therefore claim such invention, broadly; but

What I claim as new, and desire to secure by Letters Patent, is—

1. The combination, with a bath-tub, of a removable bottom provided with perforations or openings, and with supports to sustain it above the permanent bottom of the tub, a single opening in said tub below the level of the removable bottom for inlet and outlet purposes, a valve for closing said opening, and a rod within reach of the head of the tub for operating the valve and the cover, substantially as described.

2. The combination of a bath-tub, a hinged cover, A', provided adjacent to its edge with packing-strips c, and centrally with an opening, C', and a hinged door, said opening being provided with a cloth, D, which is attached to the edge of said opening, said cloth being pro-

vided with drawing-strings, removable bottom E, having perforations therein, an inlet and outlet opening, g, arranged below the level of the removable bottom, and a valve to close said opening, substantially as shown, and for the purpose set forth.

3. In combination with a bath-tub constructed substantially as shown, and provided with an opening or pipe, g, at or below the bottom of the tub, a valve attached to a rod which extends diagonally across a portion of the end of the tub, said rod having a spring for holding the valve normally away from the opening, and an operating-rod near the upper edge of the tub, substantially as shown, and for the purpose set forth.

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

DAVID R. WATSON.

Witnesses:

J. W. POWELL,

A. S. BLACKBURN.