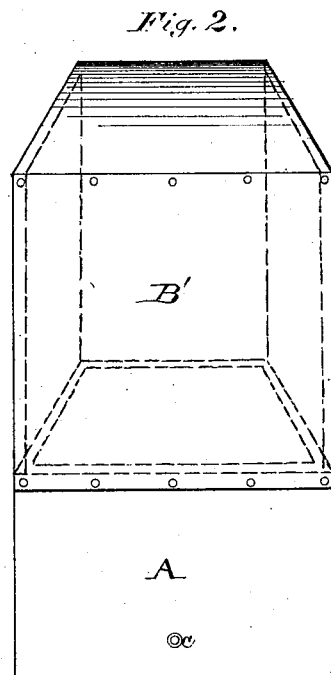
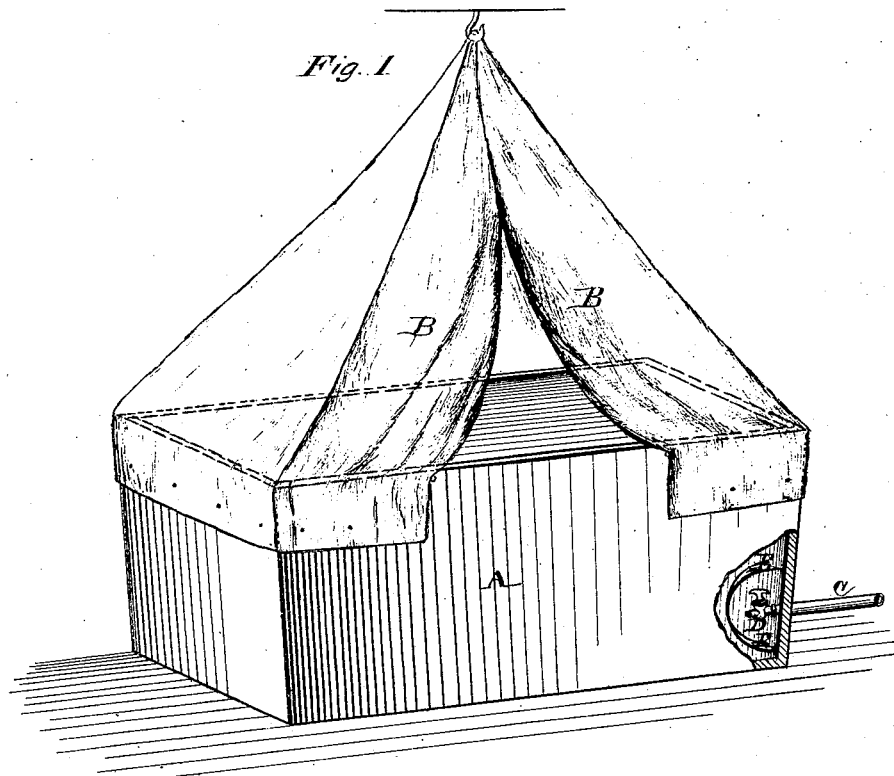


J. W. CALDWELL.
COMBINED IMMERSION AND STEAM BATH.



Witnesses
J. A. Lehmann
Chas. Parkhurst.

Inventor
J. W. Caldwell.

United States Patent Office.

JOHN W. CALDWELL, OF CINCINNATI, OHIO.

Letters Patent No. 110,545, dated December 27, 1870.

IMPROVEMENT IN COMBINED IMMERSION AND STEAM-BATHS.

The Schedule referred to in these Letters Patent and making part of the same.

I, JOHN W. CALDWELL, of the city of Cincinnati, in the county of Hamilton and State of Ohio, have invented certain Improvements in Bath-Tubs, of which the following is a specification.

My invention relates to the combination of the ordinary bath-tub and a steam or vapor-chamber or apparatus in such a manner that the ordinary bath-tub may also furnish a bath of simple steam or medicated vapor, the object being to further utilize the ordinary bath-tub by converting it into a hydraulic steam or medicated-vapor bath at the will of the bather, without changing its position or enlarging its area, of whatever material, shape, or size made, the canopy being capable of being stored within the tub.

It also relates to the means and method of attachment of the steam-chamber or apparatus, of whatever material made, flexible or inflexible, to the ordinary bath-tub in use at present, at the will of the bather, the canopy being capable of being stored within the tub.

A represents an ordinary bath tub.

Suspended from a hook in the ceiling is a covering, B, made of cloth, rubber, or any inflexible material, which extends entirely around the tub, forming above it a chamber in which the steam is collected.

C is a steam-pipe, which conveys the steam or vapor into the tub, provided with a stop-cock, D, and having a perforated shield, E, around its end so as to protect the body of the bather from the steam-jet.

B', Figure 2, represents another form of the steam-chamber, which may be used instead of the one of flexible material, described above. This chamber may be formed of wood, tin, zinc, or any inflexible material, which is secured around the edge of the tub by any suitable devices, so that it can be taken down or put up at pleasure.

These two forms of a steam-chamber I design to apply to the common bath-tub found in every family.

Having thus described my invention,

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

A bath-tub, adapted for immersion and for the application of vapor, and canopied by a cover which may be stored within the tub, all as described.

JOHN W. CALDWELL.

Witnesses:

F. A. LEHMANN,
C. H. FOWLER.