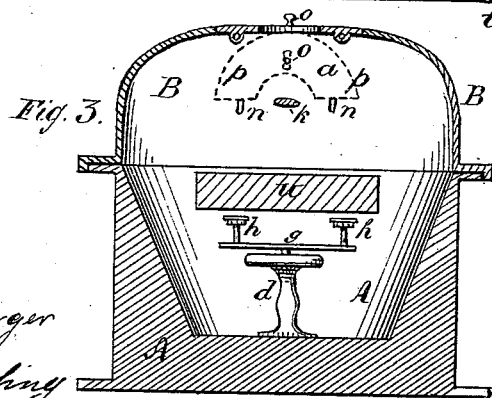
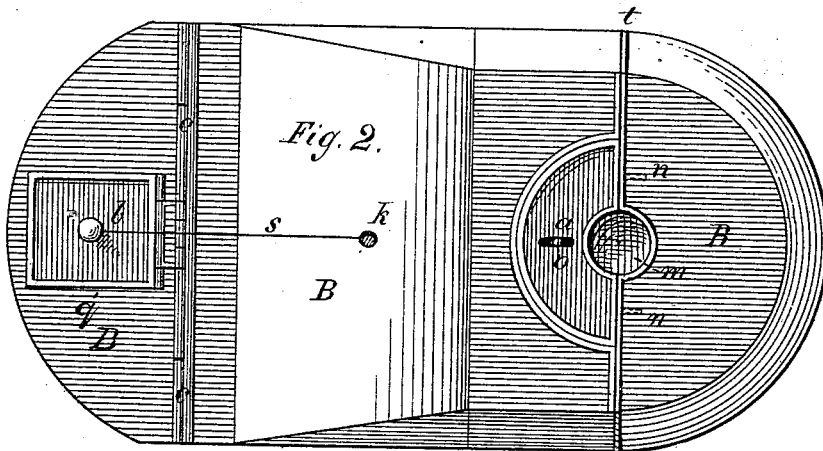
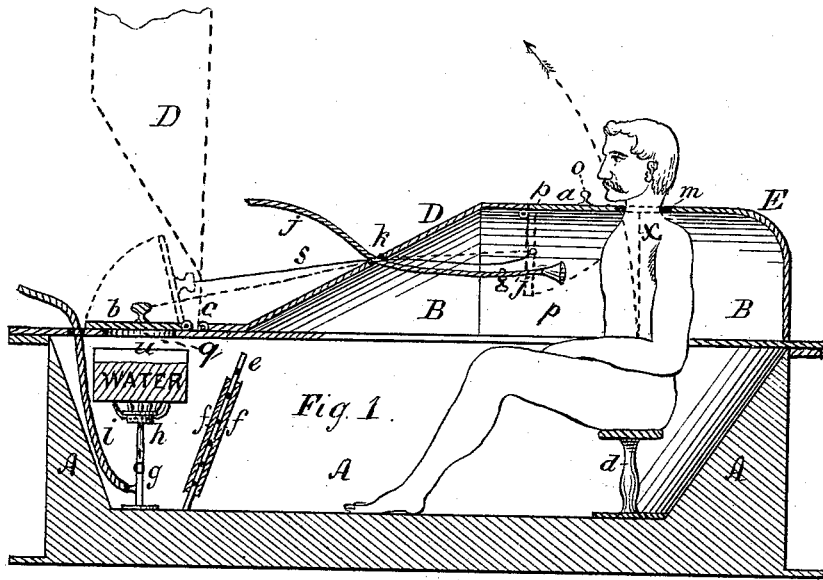


C. F. WOLTERS
Bath-Tub.

No. 212,081.

Patented Feb. 4, 1879.



Witnesses:
Geo. Frauenberger
Jacob Gerbing

Charles F. Wolters
Inventor.

UNITED STATES PATENT OFFICE.

CHARLES F. WOLTERS, OF ROCHESTER, NEW YORK.

IMPROVEMENT IN BATH-TUBS.

Specification forming part of Letters Patent No. **212,081**, dated February 4, 1879; application filed June 26, 1878.

To all whom it may concern:

Be it known that I, CHARLES F. WOLTERS, of the city of Rochester, county of Monroe, and State of New York, have invented an Improvement in Bath-Tubs, of which the following is a specification:

The object of my invention is to apply an adjustable metallic cover to any bath-tub in such a manner as to make a closed chamber or vessel for condensed air or vapor baths, as shown in Figure 1 of the accompanying drawings.

A A represent an ordinary bath-tub. B B show the adjustable cover, constructed in two sections, D and E, separating at the perpendicular dotted line *x* in Fig. 1, and also shown in Fig. 2 at *t t*.

The cover B B is made high enough when placed on the tub A A to admit a grown person to the top of shoulders in a sitting posture. The difference in the height of different persons is regulated by an adjustable stool or chair, *d*. The top of cover B B is provided with a round opening, *m*, the joint *t t* dividing the same. The round opening *m* is made somewhat larger than the neck of a large person. Section D of cover B B has a hinged trap, *a*, opening to the inside, as represented in drawings, Figs. 1 and 3. Section D of cover B B is hinged at *c c*. (Shown in Figs. 1 and 2.)

To enter the bath-tub A A the section D of cover B B is raised perpendicular, while the rear section, E, of cover B B remains stationary. The patient before taking a seat in the tub A A adjusts the stool or chair *d* to the proper height, leaving his shoulder (when sitting on the stool or chair *d*) free from the top of cover B B, and the chin of the patient, which remains outside of tub A A, clear of the cover B B, as shown in drawings, Fig. 1. After the patient has taken a seat, the section D of cover B B is shut down. The trap *a* being open or down, as shown by dotted lines *p p* in Figs. 1 and 3, will not come in contact with the face of the patient.

The trap *a* is provided with one or more light bolts, *n n*, for the purpose of holding the trap *a* in a horizontal position when closed. The bolts *n n* are operated either by the patient from the inside or an attendant from the out-

side by means of a knob, *o*. At the lower end of section D of cover B B is an opening, *q*, covered by a hinged valve or cover, *b*. The valve or cover *b* is operated either by the patient from the inside or an attendant from the outside. A string, *s*, is attached to the valve or cover *b*, and brought to the inside through a hole, *k*, in easy reach of the patient. The opening *q* is for the purpose of admitting cold air to the inside of bath-tub or ejecting hot air or steam from the inside of bath-tub A A. At the foot or lower end of the inside of bath-tub A A are one or more atmospheric gas-burners, *h h*, which are supplied with gas from the outside by means of a rubber hose, *i*.

u represents a movable water-tank, hung to the sides of bath-tub A A and immediately over the atmospheric gas-burners. It can be easily removed if not wanted.

e represents a perforated movable partition, of either metal or wood, and is made to slide between narrow strips *f f*, fastened on both sides of the bath-tub, as shown in Fig. 1.

The movable partition *e* is for the purpose of preventing the patient from coming in contact with either the gas-burners or the water-tank.

Warm or cold water is admitted to the inside of chamber or bath-tub by means of a rubber pipe, *j*, passing through the cover B B at *k*, and brought in easy reach of the patient.

The patient's neck being smaller than the opening *m*, a towel or cloth is used to close up the space around the neck to prevent any heat or steam from escaping at that point, thus forming a closed chamber or vessel, which can be heated in a very few minutes, either by hot air or steam, to any desired degree.

I claim as my invention—

1. The combination, with a bath tub or chamber, of an arched cover, constructed of two independent sections, one of which is hinged and provided at the edge adjoining the other section with a swinging or hinged piece to close upward around the neck of the patient, substantially as and for the purpose described.

2. The combination, with a suitable bath tub or chamber and the cover B, constructed in two sections, one of which is hinged at one end and provided with an opening, *q*, of the

hinged valve *b* and a device connected with said valve and extending into the bath tub or chamber within reach of the patient for operating said valve, substantially as and for the purpose described.

3. The combination, with the water vessel or tank and burner for heating the same, of the

vertically-adjustable partition *e*, arranged in front of said vessel and burner, substantially as and for the purpose described.

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Witnesses:

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