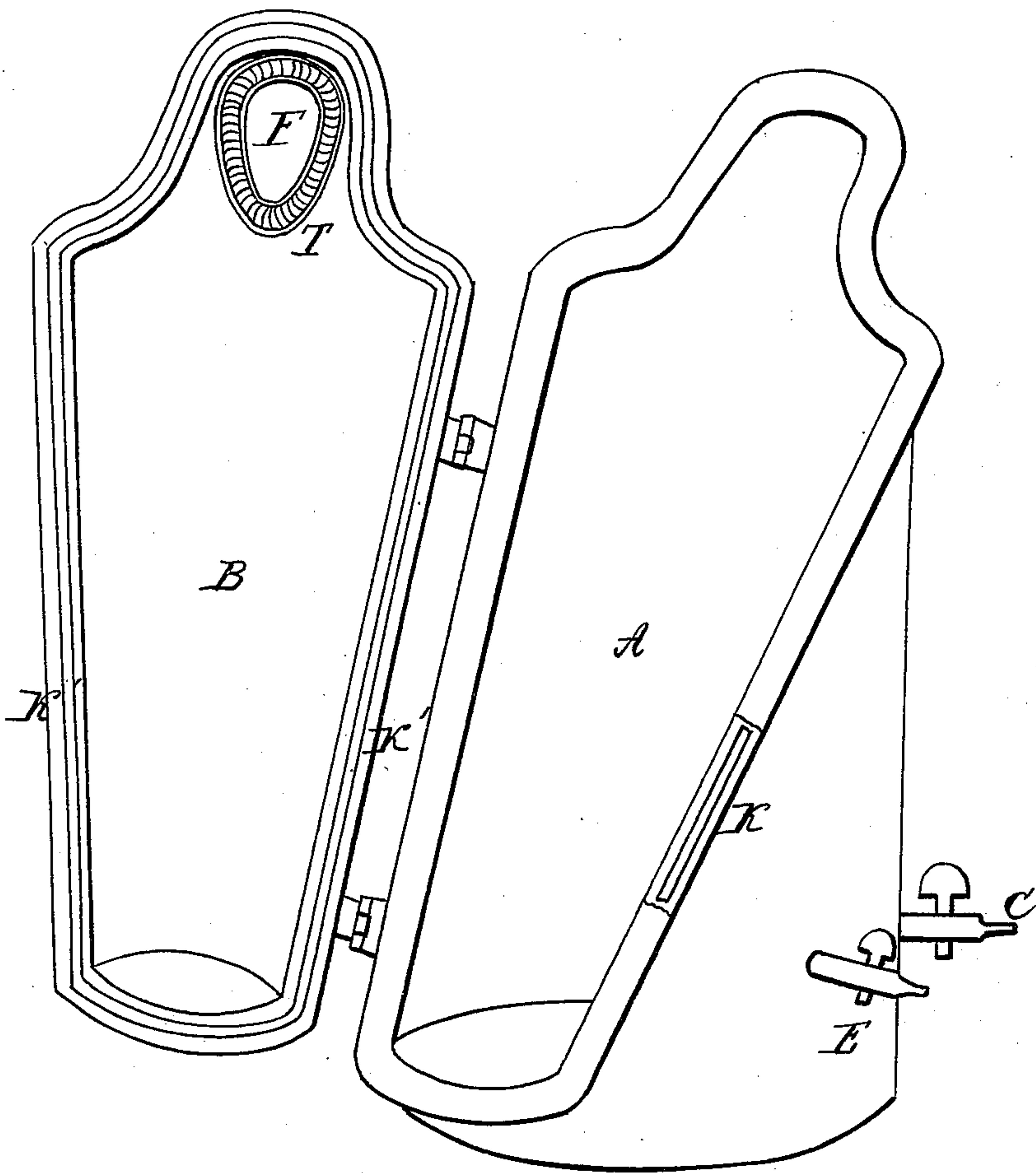


W. Curran,

Debitator.

No. 87,247.

Patented Feb. 23, 1869.



Witnesses,
Charles H. Chapin
Wm M Eades

Inventor,
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United States Patent Office.

WILLIAM CURRAN, OF ST. LOUIS, MISSOURI.

Letters Patent No. 87,247, dated February 23, 1869.

IMPROVED DEPURATOR.

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

To all whom it may concern:

Be it known that I, WILLIAM CURRAN, of the city and county of St. Louis, and State of Missouri, have invented a new and useful Improvement in Medical Depurating-Apparatus; and I do hereby declare the following to be a full and correct description of the same, sufficient to enable others skilled in the art to which my invention appertains, to fully understand and construct the same, reference being had to the accompanying drawing, which represents a perspective elevation of my improved apparatus, and which makes part of this specification.

The nature of my invention consists in the construction of an air-tight apparatus, for the reception of the entire body of a person desiring a vapor or hot-air bath, with the exception of the face, said apparatus being especially well adapted to medical depuration, as hereinafter described.

A, in the drawing, represents a jar, constructed of metal or wood, of sufficient size to hold a person in a sitting position.

It is provided with a lid, B, which fits air-tight on the jar A, its edges, as well as those of the jar A, being provided with groove K K', the groove K being covered with a strip of India rubber, or other suitable material, in such a manner that when the lid B, which is hinged to the jar A, is closed down on the jar, the India-rubber strip, or lining between the grooves K K', will be forced into the latter, thus rendering the joint air-tight.

The lid B is, at its top, provided with an opening, F, which serves to allow the face of the person occupying the apparatus to be free of the latter.

This opening F is lined with a hollow roll, T, of India rubber, or other suitable material, which can be inflated by means of a tube, o, applied to the lining T in

any suitable manner, and which may be closed by an air-tight screw-cap, or in any other well-known way.

C and E are stop-cocks attached to the jar A, in any suitable manner, by preference, near the bottom, and communicating with its interior.

The operation of my improved apparatus is as follows:

The person desiring to take a hot-air or vapor bath, is placed in a sitting position, in the jar A, in which a suitable seat may be provided. The lid B being closed, so that the person's face protrudes through the lining T, the latter is inflated by means of the tube o, so as to make it close air-tight around the face, which will render the jar entirely air-tight.

Hot-air or vapor may now be forced into the jar, through the cock C, and the person submitted to its influence without being subjected to the necessity of inhaling the hot air or vapor.

For medical depuration, after the patient has been subjected to the hot-air or vapor bath, for the purpose of relaxing the tissues, so as to prepare the patient for the atmospheric pressure, the vapor or air may be withdrawn from the jar, by attaching an air-pump to cock E. This will open the capillaries, and relieve the system of effete matter, and establish an equilibrium of the vital functions.

Having thus described my invention,

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

The combination of the air-tight jar A, its lid B, having a face-aperture, F, provided with an inflatable lining, T, with an air-pump, for medical depuration, substantially as described.

Witnesses:

WM. M. ECCLES,
GEO. W. HALL.

W. CURRAN.