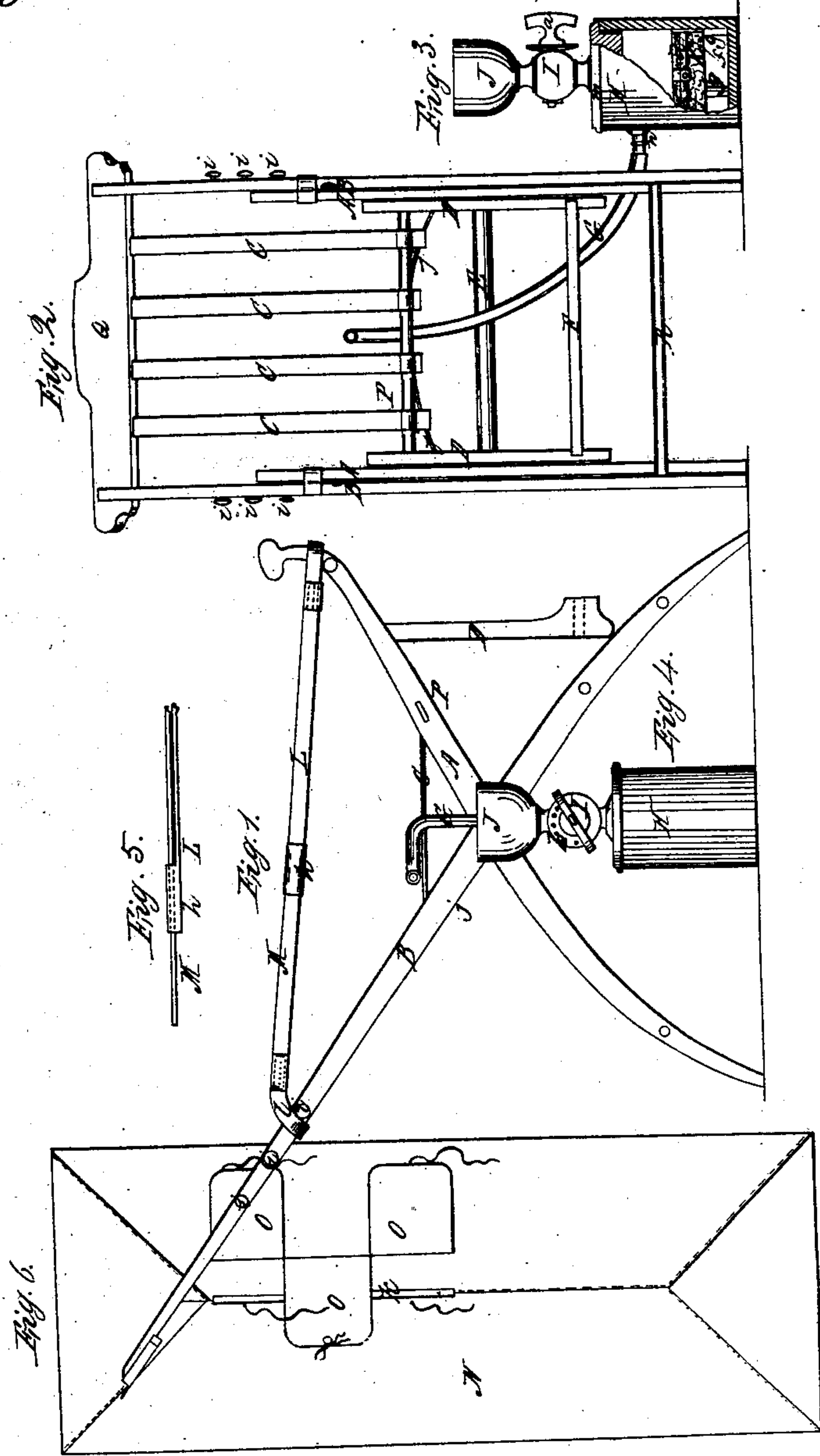


M. B. Carleman,

Vapor Bath

N^o 69,765

Patented Oct. 15, 1867.



Witnesses.
Edw. H. H. H.
John H. H.

Inventor.
M. B. Carleman,

United States Patent Office.

MAURITZ B. CARLEMAN, OF CHICAGO, ILLINOIS.

Letters Patent No. 69,765, dated October 15, 1867.

VAPOR-BATH.

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, MAURITZ B. CARLEMAN, of the city of Chicago, in the county of Cook, and State of Illinois, have invented certain new and useful improvements in portable Vapor-Baths; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a side view of the chair.

Figure 2, a front view.

Figure 3, a sectional view of the vapor-generator.

Figure 4, a front view of the generator.

Figure 5, a detached view of a portion of the strap which regulates the incline of the chair.

Figure 6, a top view of the cover or case.

Like letters refer to the same parts in all the figures.

The nature of my invention consists in constructing a portable vapor-generator, with a dripping-cup or reservoir on or near the top, with a stop-cock between them; in providing the generator with a block of metal, so arranged as to divide the generator into two parts, the part or chamber below the block designed to hold the water or medical preparation which does not become vaporized; in providing such block with a recess or well, and lateral passages therefrom, so as to utilize the internal heat of the block; in providing a tube to convey the vapor to the chair, and apply it either generally or to any particular part of the body; in providing the chair or couch with buttons or pins and adjustable straps to regulate the incline of the same, and in providing the whole with a cover, so constructed that it can be closely attached to the neck of the patient.

To enable others skilled in the art to make and use my invention, I will describe its construction and operation.

I use a chair, in form similar to a camp-chair, so constructed that the incline of the back can be adjusted to suit the person using it, and so that it can be folded up when not in use. The sides A B, the connecting parts Q P E R, and the foot-rest D, are constructed in the usual manner. The chair is pivoted on the rod E. Straps C are attached to Q and P, passing under the cross-strap *j*. The person taking the bath is placed on the straps C, and the vapor reaches all parts of the body. The chair is provided with a cover, made of oil-cloth, box-like in form, and so made that the edges will rest upon the floor, completely enclosing the chair. In the top of the covering is an opening, *k*, through which the head of the person bathing may be passed. This opening is to be made of considerable length, so that the same cover can be used for persons of different sizes and when in different positions. The lappels O are used to close such part or parts of the opening *k* as are unoccupied by the neck of the person in the chair. The inclination of the chair can be adjusted by means of the loop *l* at the end of the strap M, and the buttons or pins *i*, or by means of the slide *h*, the strap being double part way. H, in fig. 3, is a small vessel, of iron or other suitable material, in which steam is generated. K is a block of metal, somewhat less in diameter than the inside of the vessel H, and having a small central cavity, *e*, from which there are lateral passages *f* to the outside. *g* are supports on which the block K rests. J is a cup or reservoir to receive the fluid to be vaporized, which may be screwed or otherwise attached to the tube I, communicating with the vessel H, and fastened to the cover *m*. The flow of the fluid is regulated by the stop-cock *a*. *n* is a spout to convey the vapor to the person, and G is a tube, which may be attached to *n* and used to convey the vapor to any desired part of the body. A rod may be attached to the cock *a*, and so arranged that the person in the bath can control the flow of the fluid from the cup J to the vessel H. A piece of oil-cloth, with a cord sewed in the edges, may be placed under the chair to catch any drippings.

When the bath is to be used, the person is placed in the chair, the cover N is properly adjusted, the block K is heated in the fire and placed in the vessel H, the liquid for the bath is placed in the vessel J and permitted to pass through the stop-cock *a* in suitable quantities, and dropping on the heated block K is vaporized, and passing through G envelopes the person in the bath. The cavity *e* and passages *f* in the block K may be dispensed with.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The cylinder or vessel H, when divided into an upper and lower chamber by the block K, substantially as and for the purposes specified.
2. The reservoir or cup J, when provided with a stop-cock, I, in combination with the vessel H, substantially as specified.
3. The block K, when provided with the recess *e*, and one or more lateral passages *f*, substantially as described.
4. The vapor-generator H, when provided with the block K, in combination with the pipe G, constructed and operating substantially as shown.
5. The cover N, when provided with the opening or slit *k* and the lappels O, constructed substantially as and for the purposes specified.
6. The combination of the generator H, cup J, block K, with the chair or couch A B and cover N, substantially as and for the purposes specified.

M. B. CARLEMAN.

Witnesses:

E. A. WEST,
FOR KING.