

H. W. LIBBEY
VAPOR BATH.

No. 36,720.

Patented Oct. 21, 1862.

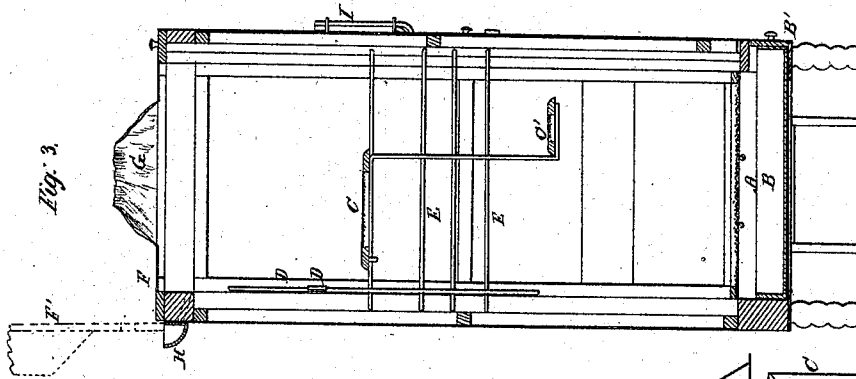


Fig. 2.

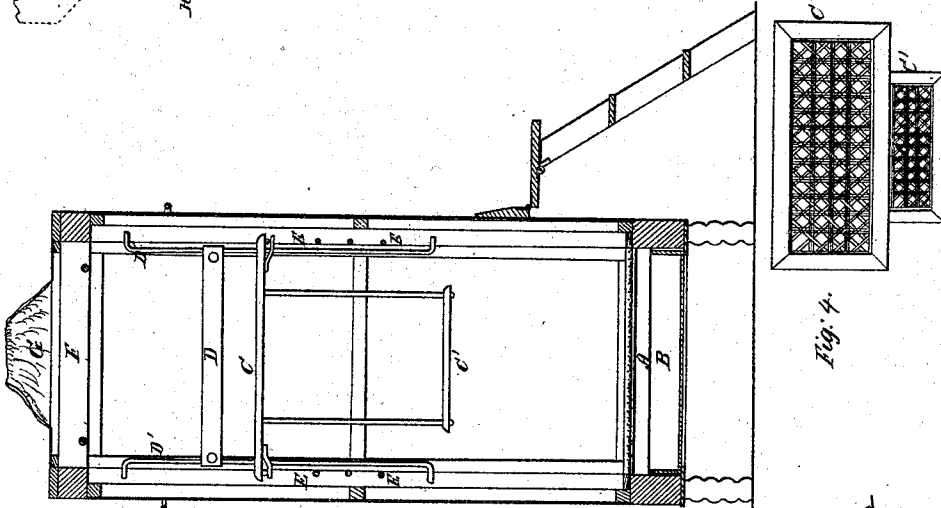


Fig. 4.

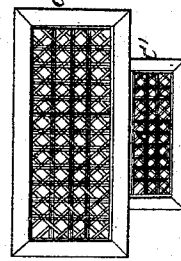
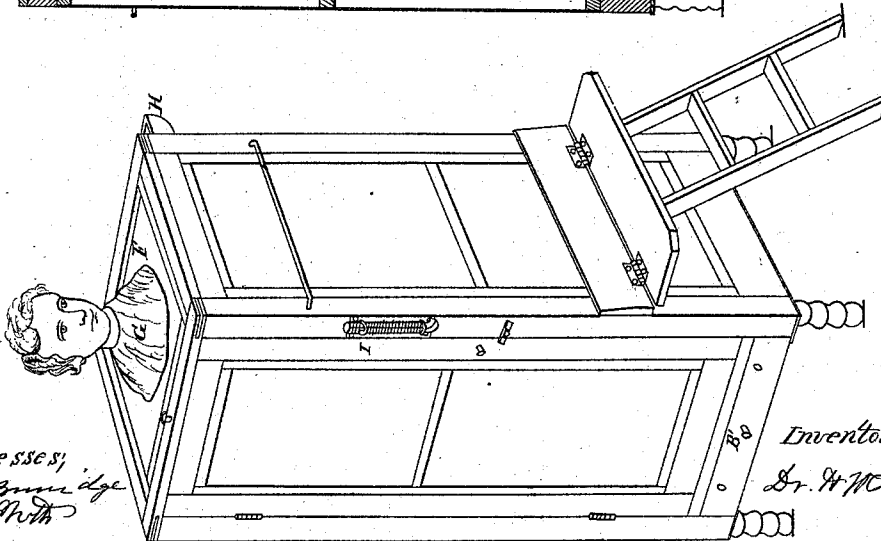


Fig. 1.



Witnesses,
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Henry With

Inventor;
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UNITED STATES PATENT OFFICE.

H. W. LIBBEY, OF CLEVELAND, OHIO.

IMPROVEMENT IN VAPOR-BATHS.

Specification forming part of Letters Patent No. 36,720, dated October 21, 1862.

To all whom it may concern:

Be it known that I, H. W. LIBBEY, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented new and useful Improvements in Vapor-Baths; and I do hereby declare that the following is a full and complete description of the construction and operation of the same, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a perspective view. Fig. 2 is a vertical front section. Fig. 3 is a side vertical section, and Fig. 4 a detached part.

My invention relates, first, to the wire-gauze or perforated floor; second, to the adjustable trough; third, to the perforated and adjustable seat, foot-piece, and back, and, fourth, to the cover and neck-piece.

The frame is about two feet square and six feet high, and covered on all sides with oiled cloth or other fabric impermeable to vapor. The panel on the front side is hung by hinges and forms a door through which the patient enters. On one side are steps, as seen in Figs. 1 and 2, for the attendant in adjusting the top and neck piece around the neck of the patient, and otherwise administering to his wants.

The floor of the bath is composed of wire-gauze or finely-perforated plate A, the object of which is to disseminate the vapor equally through the chamber above it, and thus bring the vapor into contact with all parts of the body equally. A metallic trough or pan, B, is placed beneath the wire-gauze floor, in which is contained the fluid from which the vapor is evolved by means of a jet or jets of gas, a spirit-lamp, or other means of heating. This trough can be withdrawn in front, as seen at B' in Figs. 1 and 3, in order to change or replenish the liquid.

C represents a cane-bottom or perforated seat, upon which the patient is placed while in the bath. I make use of a perforated seat for the purpose of exposing all parts of the body, and especially the region of the perineum, to the direct action of the vapor. A foot-rest, C' is attached to the seat by rods. This is also

made of open-work, like the seat, for the purpose of exposing the soles of the feet to the action of the vapor. Both the seat and foot-rest are supported upon bars or brackets E, and are adjustable to suit the height of the patient.

D represents a back-rest, which slides up and down on the rods D', and can therefore be shifted to any desired position to accommodate the patient.

The top F is hung by hinges so that the whole can be raised, as indicated by the dotted lines F' in Fig. 3, for the patient to enter. It is also raised for the patient to leave the bath. A neck-piece, G, made of oiled silk or other similar fabric, is secured by its margin to an opening in the center of the cover F, sufficiently large to admit freely the head of an adult. This neck-piece is drawn closely around the neck of the patient while in the bath, as seen in Fig. 1, to prevent the escape of the vapor, and at the same time to allow the patient to breathe the fresh air. A drip-trough, H, is placed just below the hinges of the cover, to convey the condensed vapor back into the bath when the cover is raised.

The trough B can be charged with medicated liquid or simply with water or spirits and water, as may be desired by the physician.

A thermometer, I, so constructed that the scale can be in sight while the bulb is inside, is attached, so as to indicate the temperature of the bath when in use.

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

The perforated or wire-gauze floor A and adjustable trough B, in combination with the perforated adjustable seat C and foot-rest C', adjustable back-rest D, and neck piece G, the several parts being constructed, arranged, and operated as and for the purpose herein specified.

H. W. LIBBEY.

Witnesses:

W. H. BURRIDGE,
HENRY VOTH.