

(No Model.)

W. E. GARD.
INHALER.

No. 405,883.

Patented June 25, 1889.

Fig. 1.

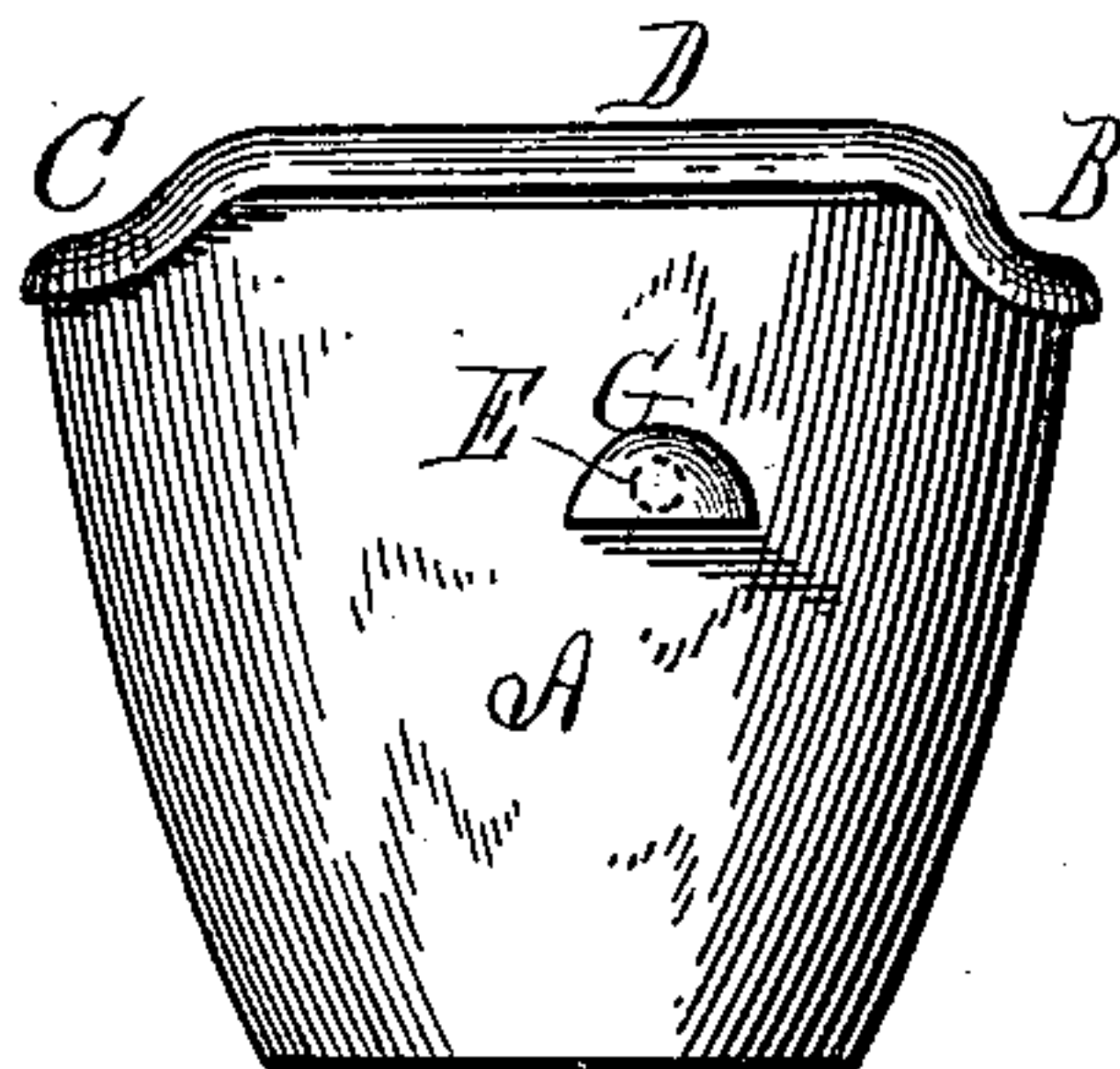


Fig. 2.

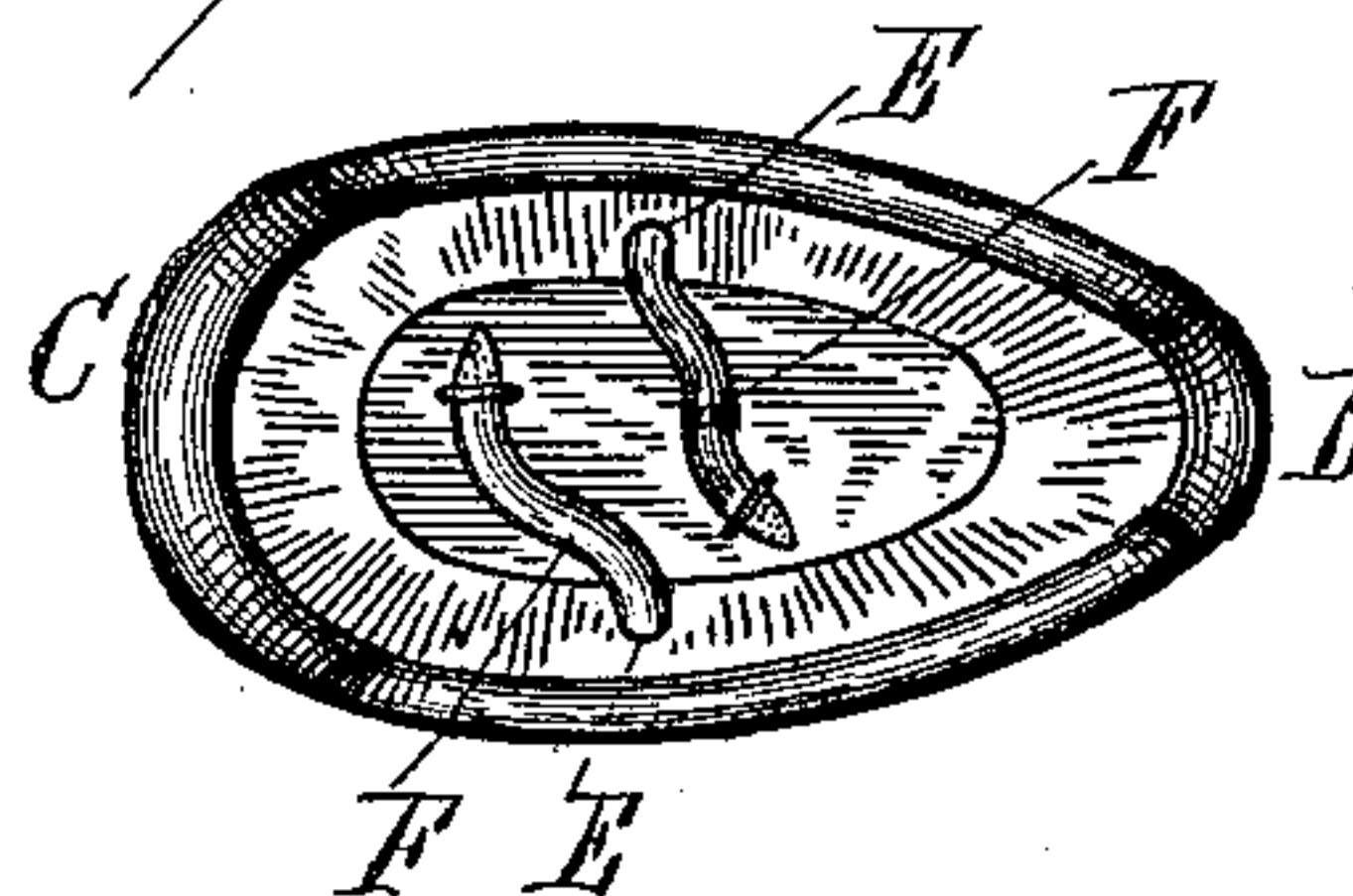


Fig. 3.

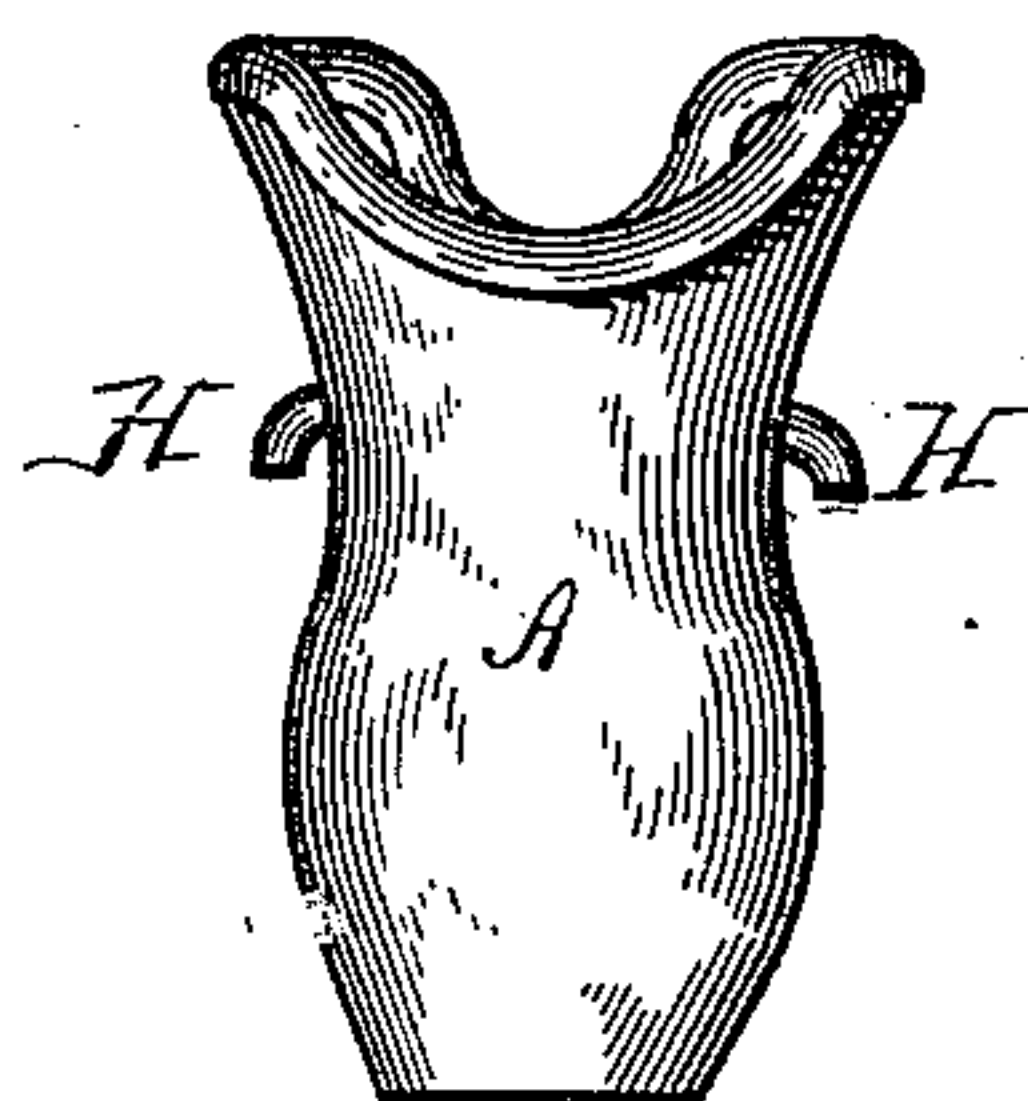
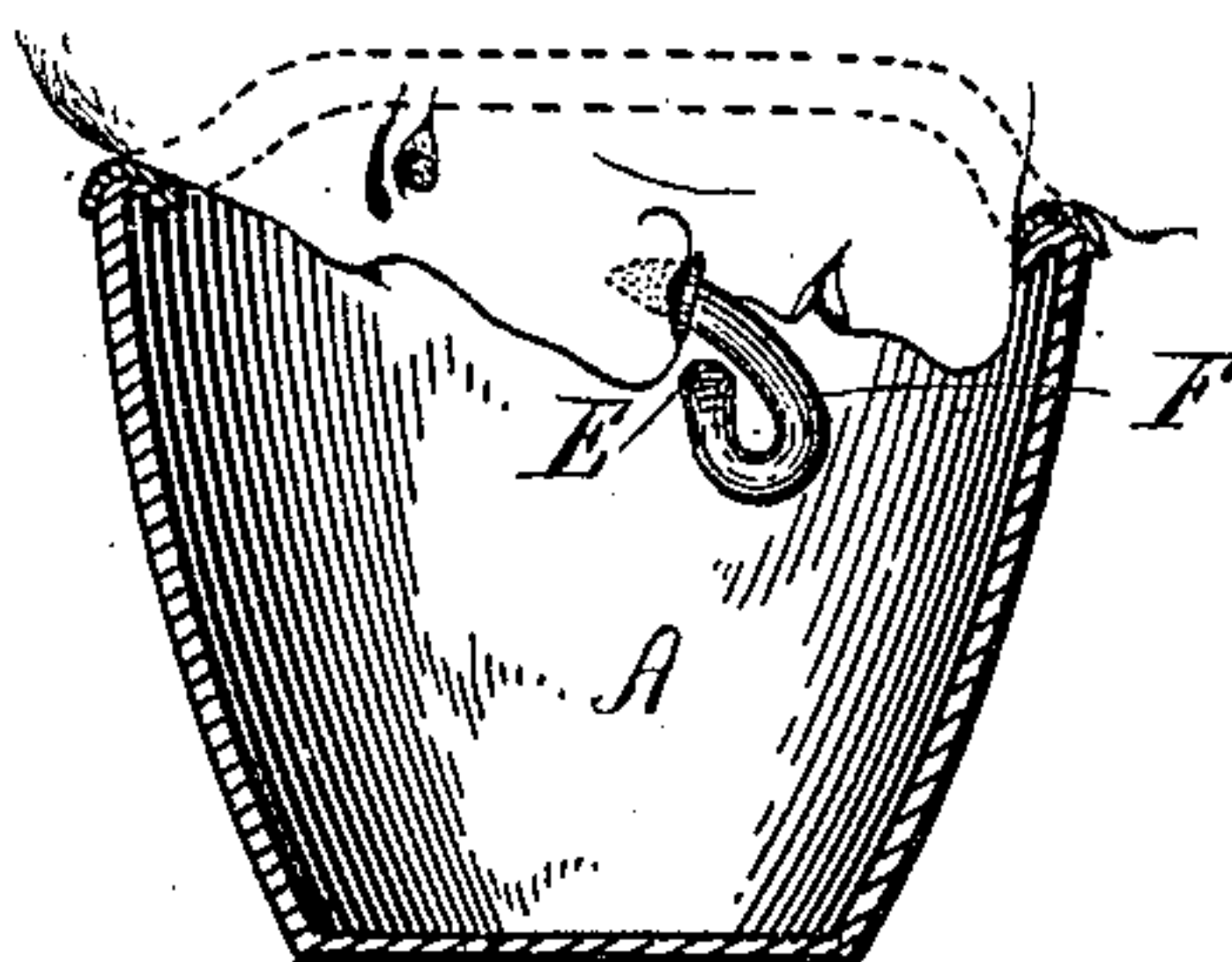


Fig. 4.



Fig. 5.



Witnesses:

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UNITED STATES PATENT OFFICE.

WILLIAM E. GARD, OF MERIDEN, CONNECTICUT.

INHALER.

SPECIFICATION forming part of Letters Patent No. 405,883, dated June 25, 1889.

Application filed March 20, 1889. Serial No. 303,996. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM E. GARD, a citizen of the United States, residing at Meriden, in the county of New Haven and State of Connecticut, have invented certain new and useful Improvements in Inhalers; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

My invention is in the nature of a vapor-bath for the face, and for use in cases where it is necessary to inhale fumes or vapor of any kind.

It consists in the improved construction and arrangement of parts hereinafter fully described, the particular points of novelty being specifically pointed out in the claims.

In the accompanying drawings, Figure 1 is a side elevation of my improved structure. Fig. 2 is a top plan view thereof, showing the interior. Fig. 3 is an elevation of the forehead end, showing pipes projecting from the sides in lieu of the hoods shown in Fig. 1. Fig. 4 is an elevation of the chin end with the hoods. Fig. 5 is a longitudinal sectional view showing a face in position.

Like letters of reference mark the same parts wherever they occur in the various figures of the drawings.

Referring to the drawings by letter, A is a pan, preferably tapering from top to bottom inward and shaped in plan to conform substantially to the outline of the human face. This pan may be made of any suitable material—such as sheet metal of any kind, pottery, &c.—and has each end cut away, forming a curved rest at one end, as at B, to receive the neck of the user, and at the other end, as at C, to receive the forehead. These rests may be cushioned, padded, or lined to prevent injury or inconvenience to the patient, and the entire edge of the pan may be covered with rubber, or other suitable material, as at D, if desired. In one or both sides of the pan is made a hole E, in position to provide easy communication with the nostrils

of the patient when the face is in the pan, as shown in Fig. 5, so that the patient may breathe the outer air.

It may be considered advisable in some instances, especially when treating the complexion to a steam or vapor bath, to entirely prevent the inhalation of any of the contents of the pan. When so desired, I apply in the holes E tubes F of rubber or any other suitable material, of suitable length to enable the patient to place their inner ends into the nostrils before inserting the face into the pan, whereby only the outer air is inhaled. When used with holes simply, I may place hoods G outside these holes, which, passing below the holes, will tend to obstruct the too ready issue of the steam or vapor through the holes from inside the pan. These hoods also serve as handles for the pan. Outer nozzles (see H, Fig. 3) may project from the holes E, if desired.

The operation of my invention will be readily understood. When it is desired to have a patient inhale a vapor, as in diseases of the throat or bronchial tubes, the material for forming the vapor is placed in the pan, the patient's face placed therein, with forehead and neck in the recesses and resting on the cushioned edges, and the vapor inhaled. With the holes in the side closed the vapor will be inhaled pure, and with them open the vapor will be more or less mixed with air. If the patient desires a small quantity only of air, the face will be held centrally of the pan, and by turning it slightly to either side the nostrils will be brought close to one of the holes and more air be inhaled.

When treating the face, the attachments for inhaling the air may be used or not, as desired, to be governed by the character of the vapor. If it is of such a character as to be injurious if inhaled, the tubes will be used, as before described.

Having thus fully described the construction and operation of my invention, what I claim, and desire to secure by Letters Patent of the United States, is—

1. A pan for administering face vapor-baths, provided with holes in the sides for the admission of atmospheric air, and hoods secured to the outside over said holes, whereby the

pan is provided with handles and the escape of vapor from the pan is retarded, as set forth.

2. A pan for administering face vapor-baths, having holes in the sides for the admission of
5 air and provided with flexible tubes for connecting said holes with the nostrils of the patient, as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM E. GARD.

Witnesses:

SHIPLEY BRASHEARS,
M. P. CALLAN.