

(No Model.)

C. C. SHARP.
INHALER.

No. 382,113.

Patented May 1, 1888.

Fig. 1.

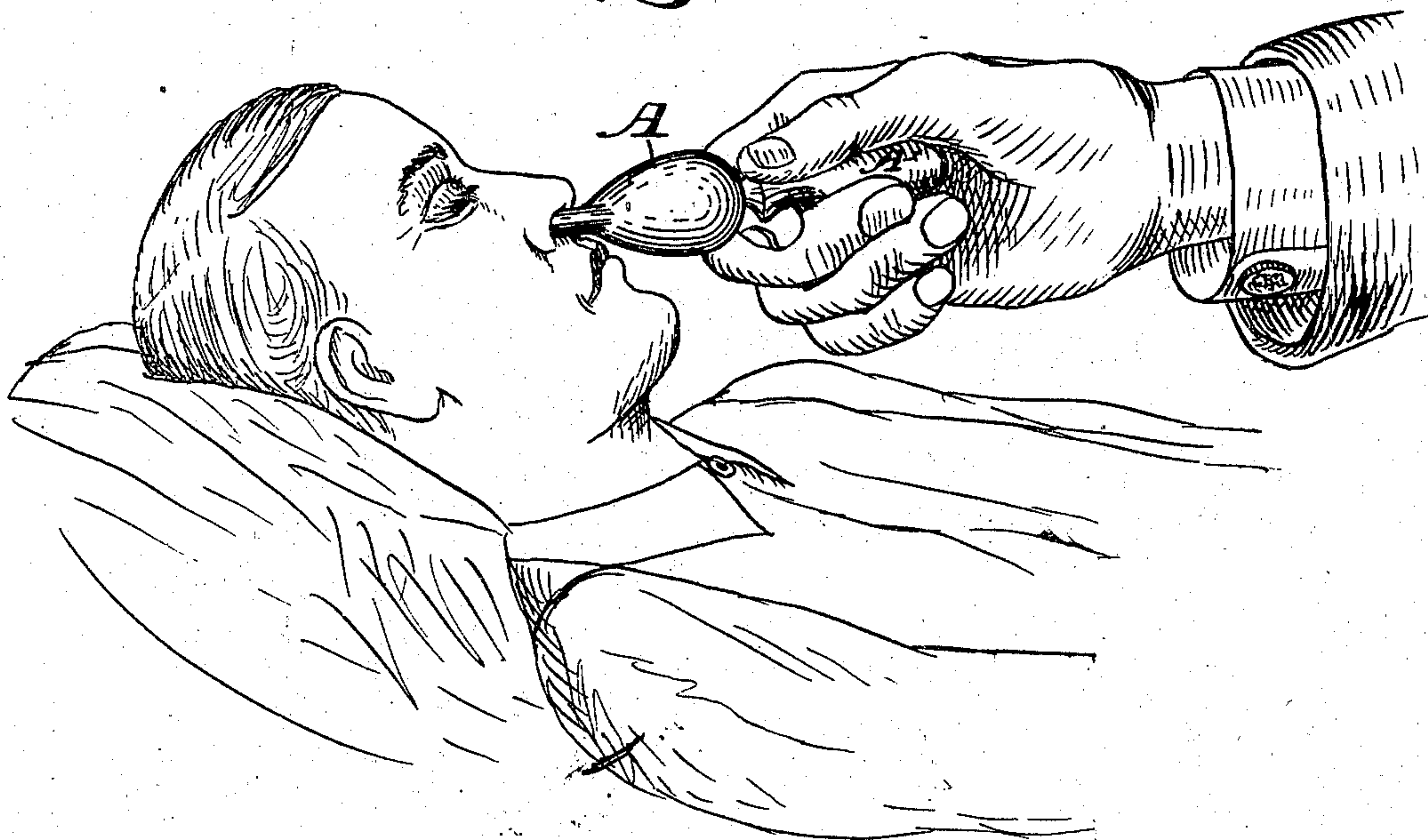


Fig. 2.

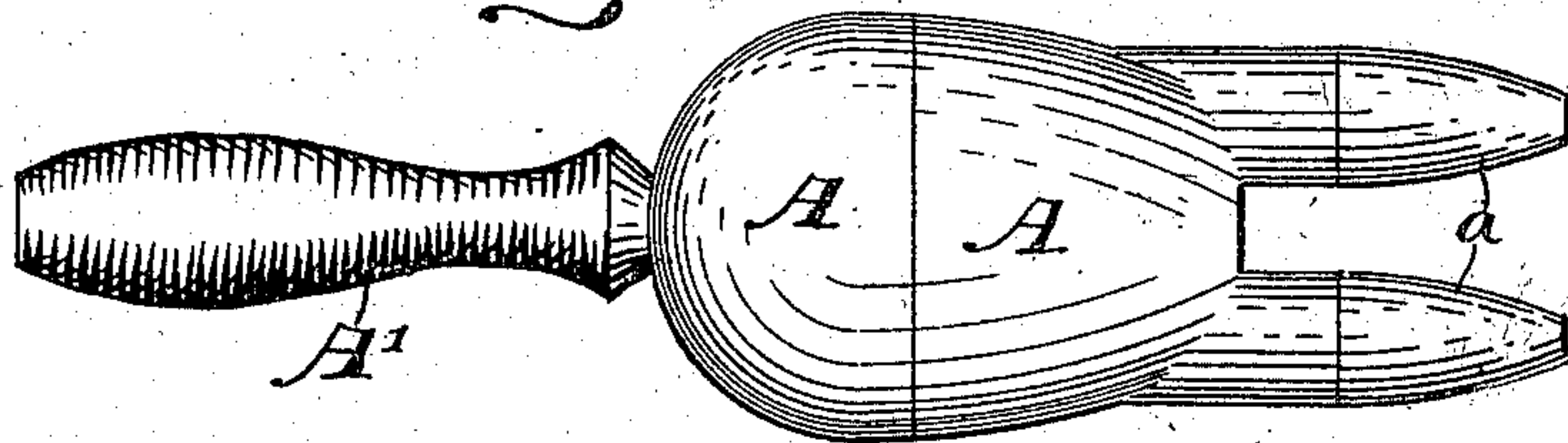
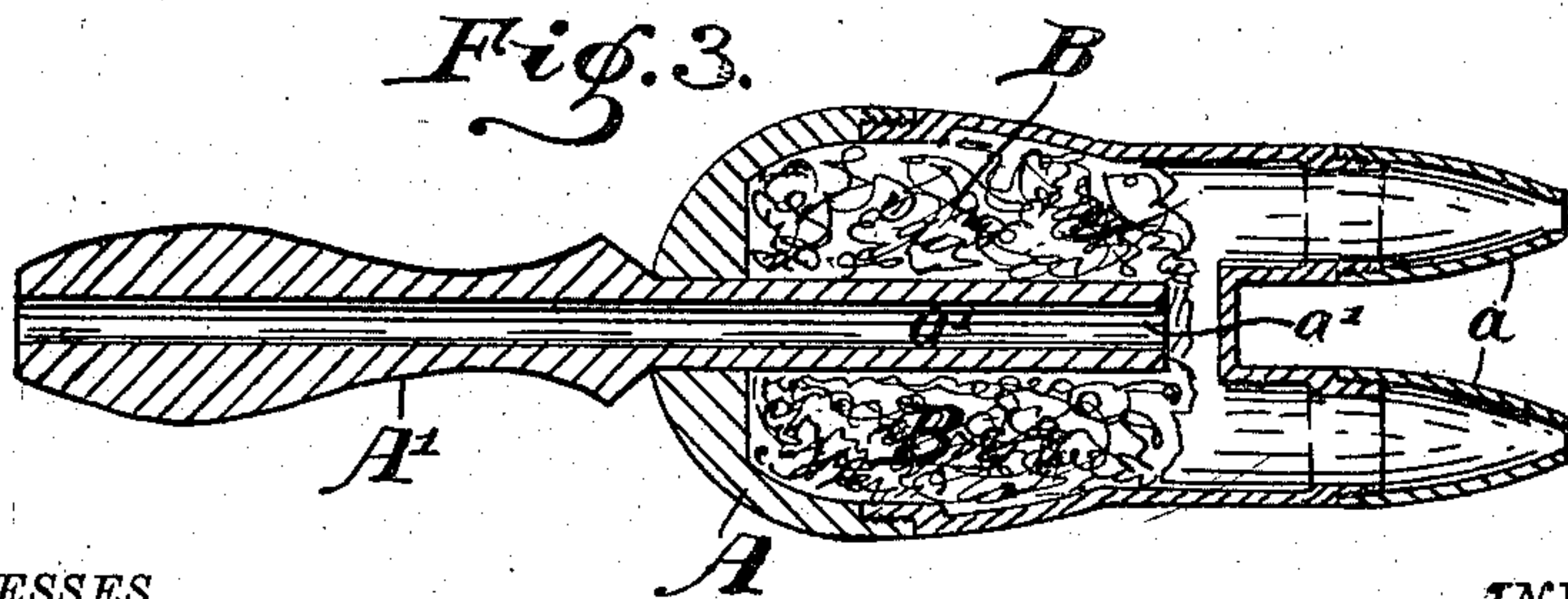


Fig. 3.



WITNESSES.

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CHRISTOPHER C. SHARP, OF INDIANAPOLIS, INDIANA.

INHALER.

SPECIFICATION forming part of Letters Patent No. 382,113, dated May 1, 1888.

Application filed September 17, 1887. Serial No. 249,917. (No model.)

To all whom it may concern:

Be it known that I, CHRISTOPHER C. SHARP, a citizen of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented certain new and useful Improvements in Inhalers, of which the following is a specification.

The object of my said invention is to provide an improved construction of instrument for administering chloroform and other anæsthetics by which all the fumes of the anæsthetic may be confined and administered to the patient without waste, and which will also permit free access of pure air to the breathing-organs of the patient; and it consists in the construction herein shown and claimed. I accomplish this object by providing a hollow chamber adapted to inclose the sponge or other substance upon which the chloroform is placed, and providing said chamber with appropriate tubes to conduct the fumes to the nostrils of the patient, and also with a hollow handle communicating with the air outside and conducting the same to near the mouth of said tubes, as will be hereinafter more particularly described.

Referring to the accompanying drawings, which are made a part hereof and on which similar letters of reference indicate similar parts, Figure 1 is a general perspective view illustrating the use of my invention; Fig. 2, a side elevation of the invention by itself, and Fig. 3 a longitudinal central section of the same.

In said drawings, the portions marked A represent the instrument, and B the sponge, cotton, or other substance upon which the anæsthetic is placed. The main body of the instrument A is preferably an egg-shaped metallic chamber of a convenient size formed in two parts adapted to screw together, as shown, and has on its front end two projecting tubes of a convenient size and construction to enter a person's nostrils, which are also formed in two parts or with tips *a*, adapted to be screwed on or off. It is also provided with a handle, A', which is formed with a longitudinal perforation, *a'*, which extends into the chamber A to a point near the mouth of the tubes, as shown.

The substance, B, is simply any substance, such as a sponge, (which I prefer,) cotton, or any substance adapted to absorb and hold the chloroform which is placed thereon. Said substance is mounted in the chamber A around the extended portion of the handle A', being placed therein by unscrewing the parts of said chamber, fitting it therein, and then closing said chamber by screwing the parts together, as will be readily understood.

The operation of my said invention is as follows: The several parts being put together as described, the chloroform or other anæsthetic used may be dropped onto the sponge B through the tubes by removing the tips *a*, (which is the manner I prefer;) or the chamber itself may be separated, if desired, as will be readily understood. The instrument, being thus charged with the anæsthetic, can be placed in the pocket of the physician or in a convenient case and carried with him wherever desired. It being desired to administer the chloroform to the patient, it is only necessary to take out the instrument and place the tubes *a* to the nostrils, when enough of the fumes will be quickly inhaled to place the patient under the influence of the medicine, the tube A' allowing free circulation of pure air at all times and preventing any liability of the patient being caused any suffering from a want of this supply.

Caps or plugs may be provided for the several openings for use when the instrument is carried around charged, if desired; but to wrap it in paper or inclose it in a case is usually all that will be necessary to properly confine the medicine, the air being thus cut off from a circulation through the instrument.

It will be readily understood, of course, that the instrument may be used for inhaling many other medicines than those mentioned, if desired.

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

1. An inhaler for use in administering medicines, consisting of a hollow chamber provided with tubes adapted to enter a person's nostrils, a substance in said chamber for holding the medicine, and an air-tube extending from

the outside and terminating in the chamber near the entrance to the tubes for the nostrils, substantially as set forth.

2. The combination of the chamber A for
5 holding the anæsthetic, formed in two parts and screwed together, and provided with tubes having removable tips *a*, and a handle, A', perforated longitudinally and extending into
10 tubes, substantially as set forth.

In witness whereof I have hereunto set my hand and seal, at Indianapolis, Indiana, this 12th day of September, A. D. 1887.

CHRISTOPHER C. SHARP. [L. S.]

Witnesses:

E. W. BRADFORD,

CHARLES L. THURBER.