

W. GOTTLIEB.

INHALER.

APPLICATION FILED APR. 16, 1910.

1,043,689.

Patented Nov. 5, 1912.

Fig. 1.

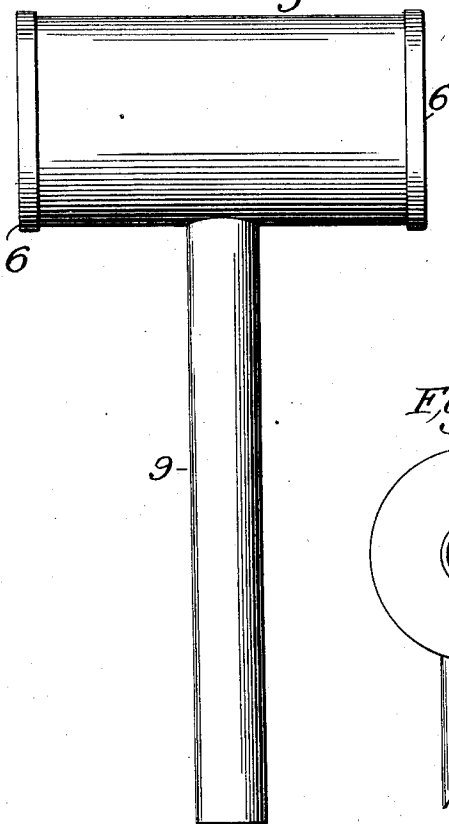


Fig. 2.

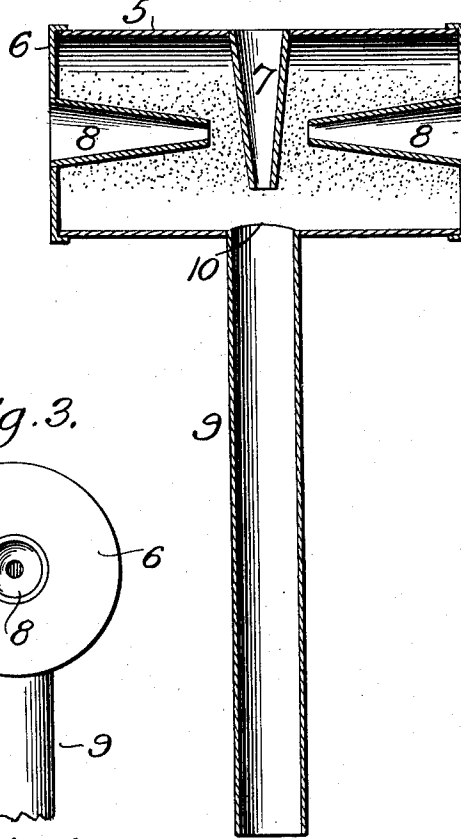


Fig. 3.

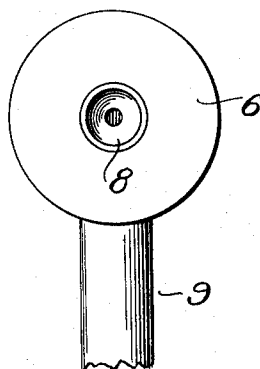
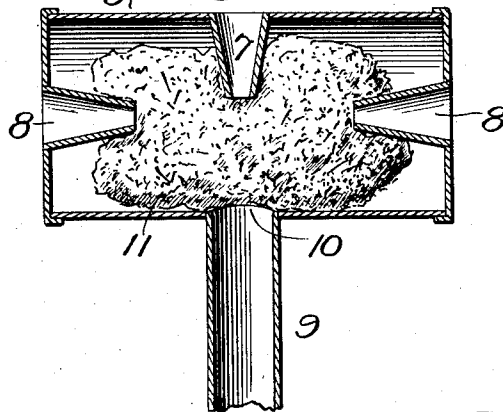


Fig. 4.



WITNESSES:

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INHALER.

1,043,689.

Specification of Letters Patent.

Patented Nov. 5, 1912.

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To all whom it may concern:

Be it known that I, WILLIAM GOTTLIEB, citizen of the United States of America, residing at Port Jervis, in the county of Orange and State of New York, have invented new and useful Improvements in Inhalers, of which the following is a specification.

This invention relates to inhalers and consists of a simple and cheap device with openings and adapted to contain powder or a moist sponge. A mouth piece communicates with the interior of the device so that the powder may be drawn into the throat, or the vapors from the sponge containing a solution for treating colds or throat troubles as will be more fully described in the following specification, set forth in the claim and illustrated in the drawings, wherein:

Figure 1 is a side elevation. Fig. 2 is a vertical sectional view. Fig. 3 is an end view. Fig. 4 is a modified form for containing a saturated sponge.

The invention comprises a cylinder or bowl 5 with removable end pieces 6 which constitute heads. One side of the cylinder 5 has an opening consisting of a tube 7 leading into the cylinder and each head 6 has a similar opening and tube 8, the tubes being for the admission of air to the cylinder. At one side of the cylinder and opposite the tube 7 is a mouth piece 9 secured to the cylinder at the outlet 10 and of sufficient capacity to about equal the three outlets 7 and 8.

The powder to be administered to the patient is placed within the cylinder when one of the ends 6 is removed and upon replacing the end, the device is ready for use. The mouth piece 9 is then taken in the mouth of the patient and as air is drawn

through same by him a limited amount of the powder is carried therein and safely and conveniently administered to those parts of the system needing the treatment.

As shown in Fig. 4, a saturated sponge 11 may be placed within the cylinder and the tubes 7 and 8 shortened so as to provide sufficient room for a sponge of reasonable size. As the air is drawn from the cylinder 5 through the mouth piece 9 by the user, the desired amount of moisture is also carried from the sponge into the throat. It is obvious that the amount of air and powder or moisture may be limited by the size of the openings of the tubes 7 and 8 and that their size may be accordingly arranged to provide for the proper regulation of the supply going into the mouth piece.

It is obvious that other modifications may be resorted to in the construction of the device, without departing from essential features above shown.

What I claim as new and desire to secure by Letters Patent is:

In an inhaler, the combination of a barrel adapted to contain a medicated sponge, of removable lids on the ends of said barrel and provided with tapering nozzles projecting into said barrel and adapted to penetrate the inclosed sponge, a mouth piece secured to one side of the barrel, and an inwardly projecting tapering nozzle on the other side of the barrel also adapted to penetrate the sponge and arranged in alinement with said mouth piece.

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

WILLIAM GOTTLIEB.

Witnesses:

JOHN F. CLEARY,
WILLIAM H. PALMER.