

G. O. FERGUSON.
 INHALER.
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968,757.

Patented Aug. 30, 1910.

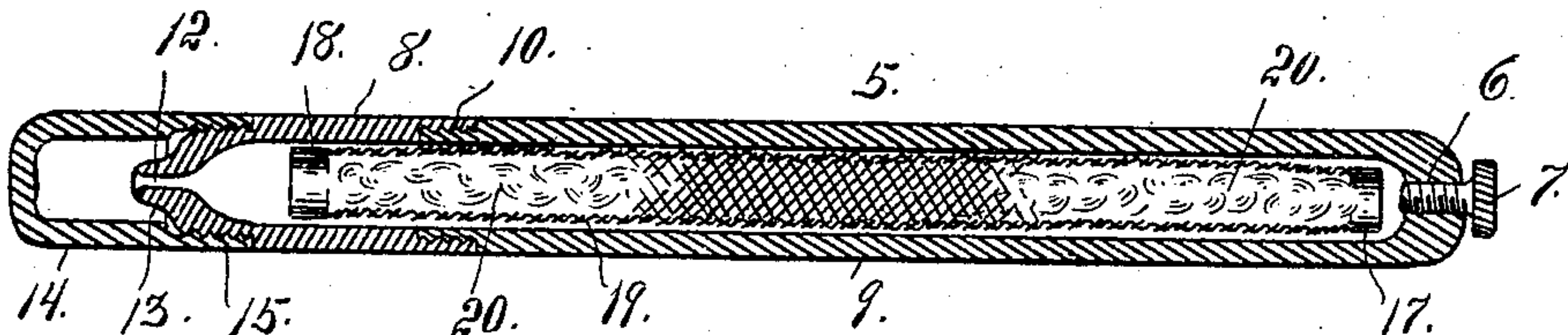


Fig. 1.

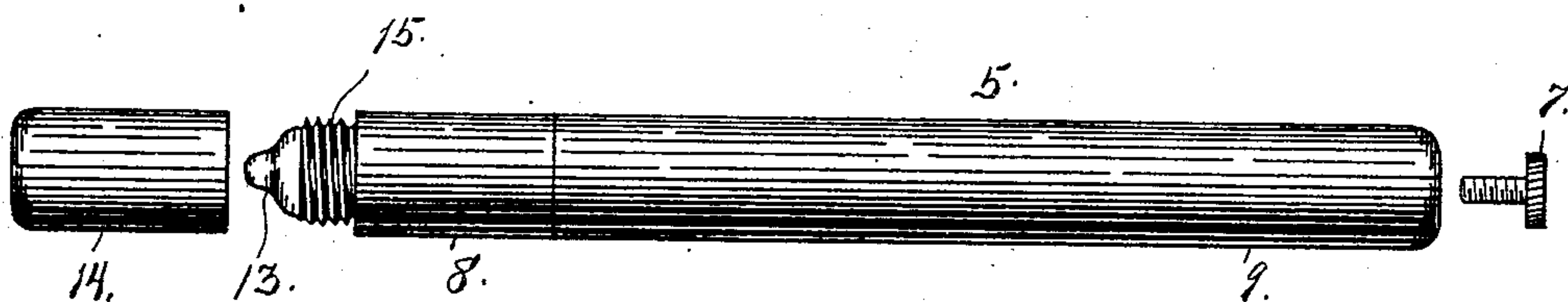


Fig. 2.

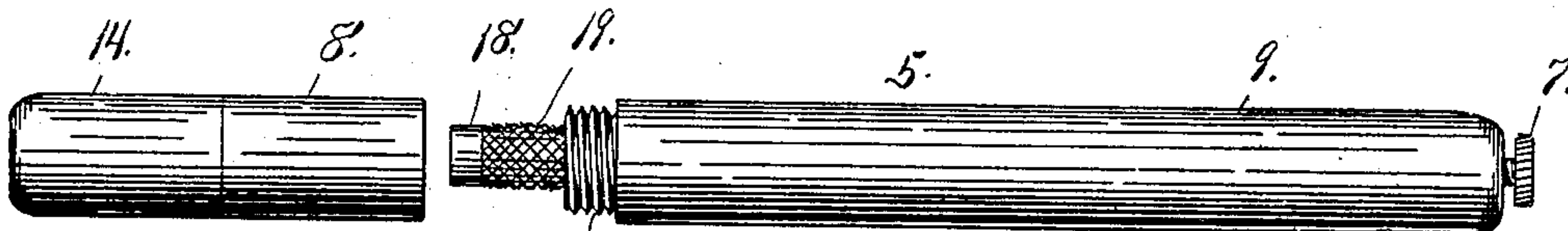


Fig. 3.

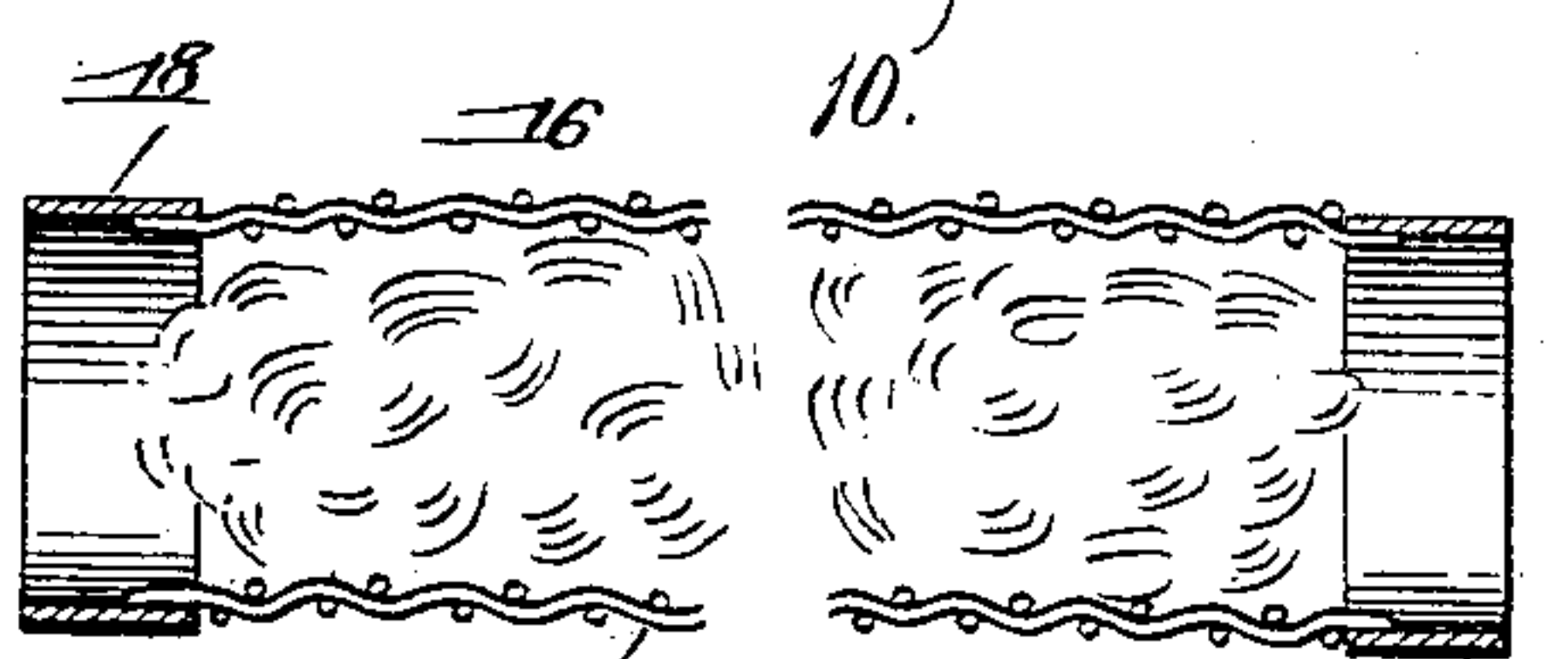


Fig. 5.

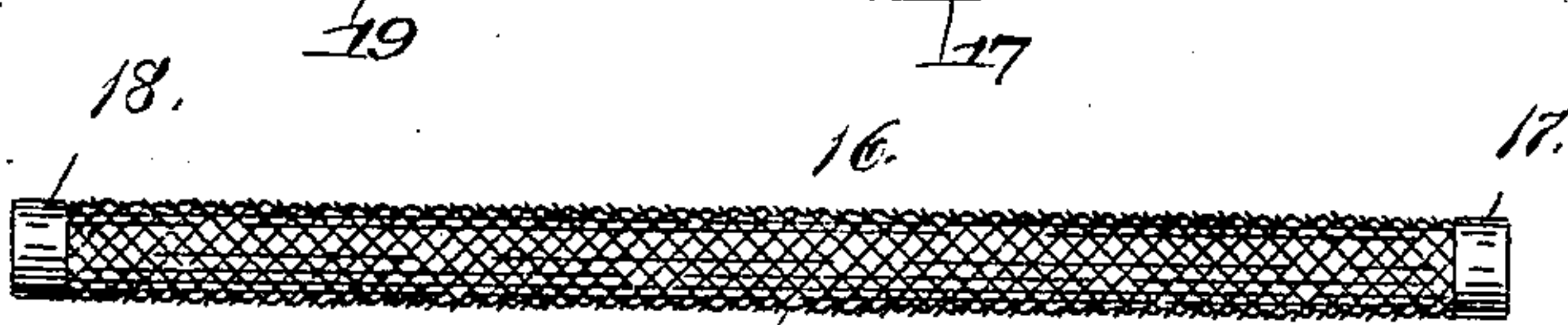


Fig. 4.

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INHALER.

968,757.

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To all whom it may concern:

Be it known that I, GEORGE O. FERGUSON, a citizen of the United States, residing in the city and county of Denver and State of Colorado, 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 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 relates to improvements in inhalers, my object being to provide a device of this character which shall be of novel construction and adapted to be carried in the pocket of the user whereby it is readily accessible at all times.

The device consists of a casing adapted to hold a container consisting preferably of wire gauze mesh in which is placed a quantity of absorbent material as cotton adapted to hold a suitable substance sufficiently volatile for inhaling purposes.

The instrument when in use is open at both ends, the air laden with the vapor to be inhaled escaping into the nostril of the user at one extremity, while the air enters the instrument at the opposite extremity. When not in use both extremities of the device are closed, practically air tight for obvious reasons.

Having briefly outlined my improved construction as well as the function it is intended to perform, I will proceed to describe the same in detail reference being made to the accompanying drawing in which is illustrated an embodiment thereof.

In this drawing, Figure 1 is a longitudinal section taken through my improved device complete and shown in the closed position. Fig. 2 illustrates the device with both extremities open, or in position for use. Fig. 3 shows the device with one section of the casing removed preparatory to taking out the gauze tube for recharging it with the volatile substance to be inhaled. Fig. 4 is a detail view of the gauze tube or container. Fig. 5 is a sectional view of the container partly broken away and shown on a larger scale.

The same reference characters indicate the same parts in all the views.

Let the numeral 5 designate a casing

which is preferably cylindrical in shape. One extremity of this casing is provided with a threaded orifice 6 adapted to receive a screw 7. The opposite extremity of the body of the casing consists of a section 8 threaded upon the main member 9 as shown at 10. This member 8 is reduced in size as shown at 13 and provided with an escape orifice 12. This reduced extremity is adapted to enter the nostril of the user during the inhaling act. The extremity 13 of the device is concealed by a cap 14 threaded thereon as shown at 15.

Within the body of the tube 5 is located a cylindrical container 16 which as shown in the drawing is composed of two ferrules or rings 17 and 18 connected by mesh material 19 preferably composed of wire gauze. This container is open at both ends and in it is placed a suitable quantity of absorbent material 20 adapted to hold the volatile substance which is to be inhaled.

From the foregoing description the use and operation of my improved device will be readily understood.

The container 16 fits loosely within the body of the device whereby the air within the casing is adapted to circulate freely therearound as well as through the meshes thereof.

As heretofore intimated when the device is not in use it may be carried in the pocket of the user, the parts in that event being assembled as shown in Fig. 1. When it is desired to use the device, the cap 14 together with the screw 7 are removed. The reduced extremity 13 is then inserted in one of the nostrils and during the inspiration of the patient, the volatile substance passes into the nostril, from the exit end of the instrument simultaneously with the entrance of air at the opposite or inlet end thereof. When it is desired to remove the container for the purpose of recharging the same with the volatile material, the section 8 of the device is removed as shown in Fig. 3. The container may then be withdrawn from the tube, recharged and replaced.

In addition to the use of the instrument heretofore explained, for inhaling the volatile substance by inserting the extremity 13 in the nostril, the throat may be treated preferably by employing the opposite extremity of the instrument after its screw plug 7 has been removed and drawing the volatile substance into the throat through

the said extremity, the cap 14 being removed to allow the air to enter the tube through the opposite extremity. The screw plug extremity of the instrument is better adapted for treating the throat since it is rounded and smooth thus leaving no rough surface which might cause or tend to cause irritation.

Having thus described my invention, what I claim is:

An inhaler comprising a tube composed of two members, a main member and an auxiliary member, the main member having a relatively small threaded orifice at one extremity, a screw plug threaded therein, the said threaded extremity being adapted to be inserted in the mouth, the auxiliary member having a reduced orificed extremity

adapted to enter the nostril, the two members being detachably connected, and a container composed of two rings connected by wire gauze, the container being loosely arranged within the tube and containing absorbent material adapted to be saturated with a volatile substance, the container being entirely open at both extremities, the openings in both extremities of the tube being too small to permit the escape of the container.

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

GEORGE O. FERGUSON.

Witnesses:

DENA NELSON,
IDA E. O'BRIEN.