

No. 858,736.

PATENTED JULY 2, 1907.

P. E. MAGGINI.  
INHALING APPARATUS.  
APPLICATION FILED NOV. 6, 1906.

Fig. 3.

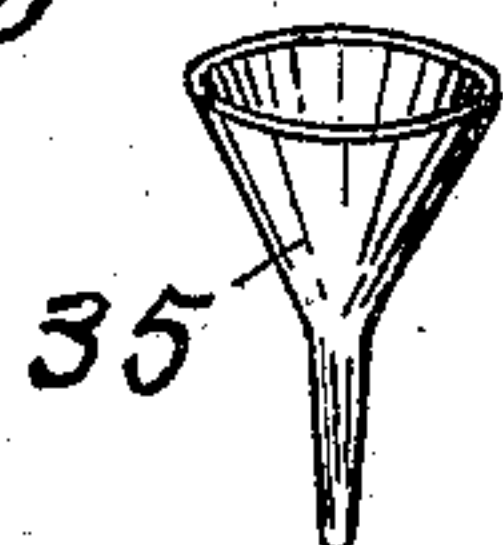


Fig. 1.

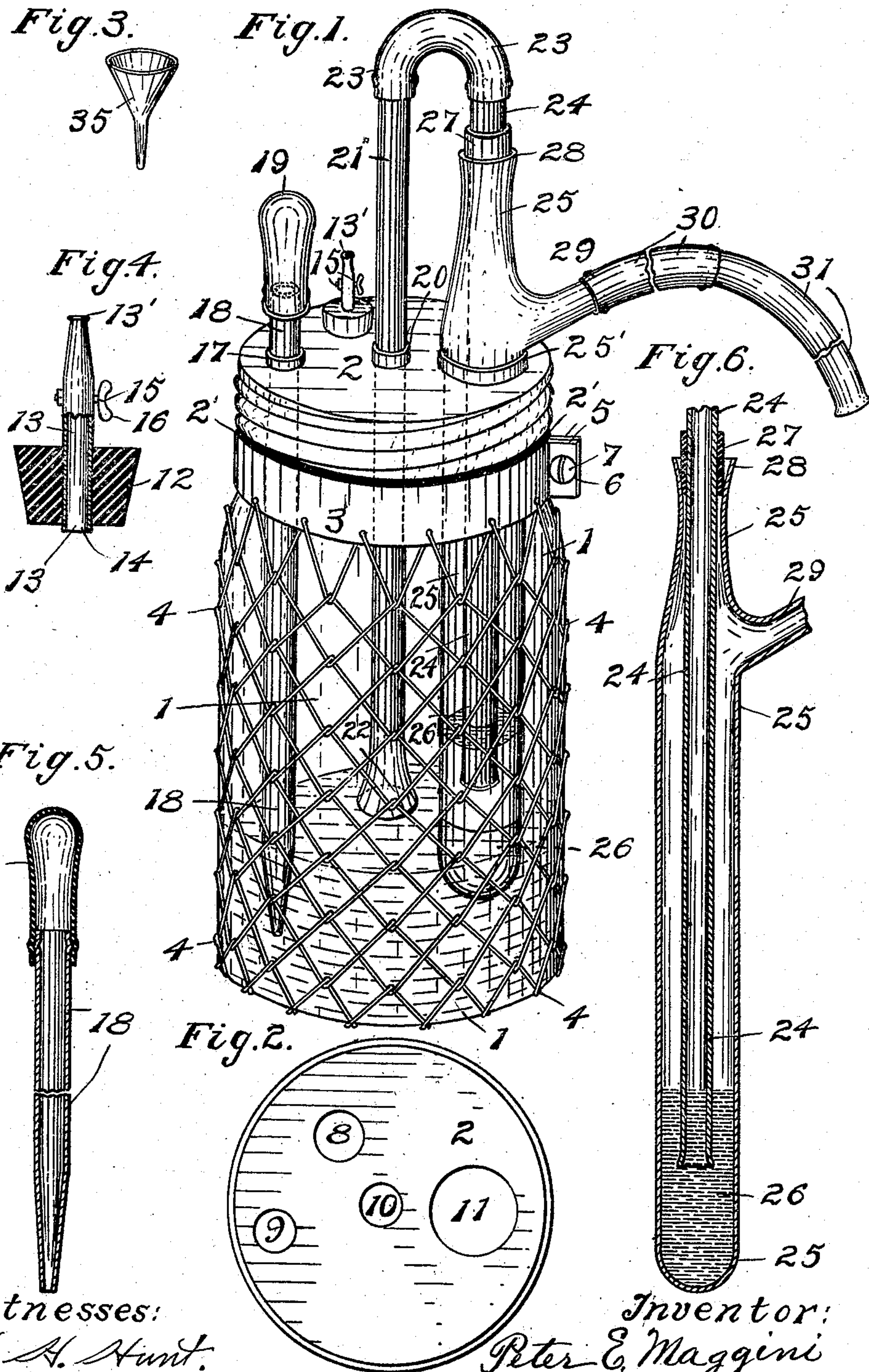


Fig. 4.

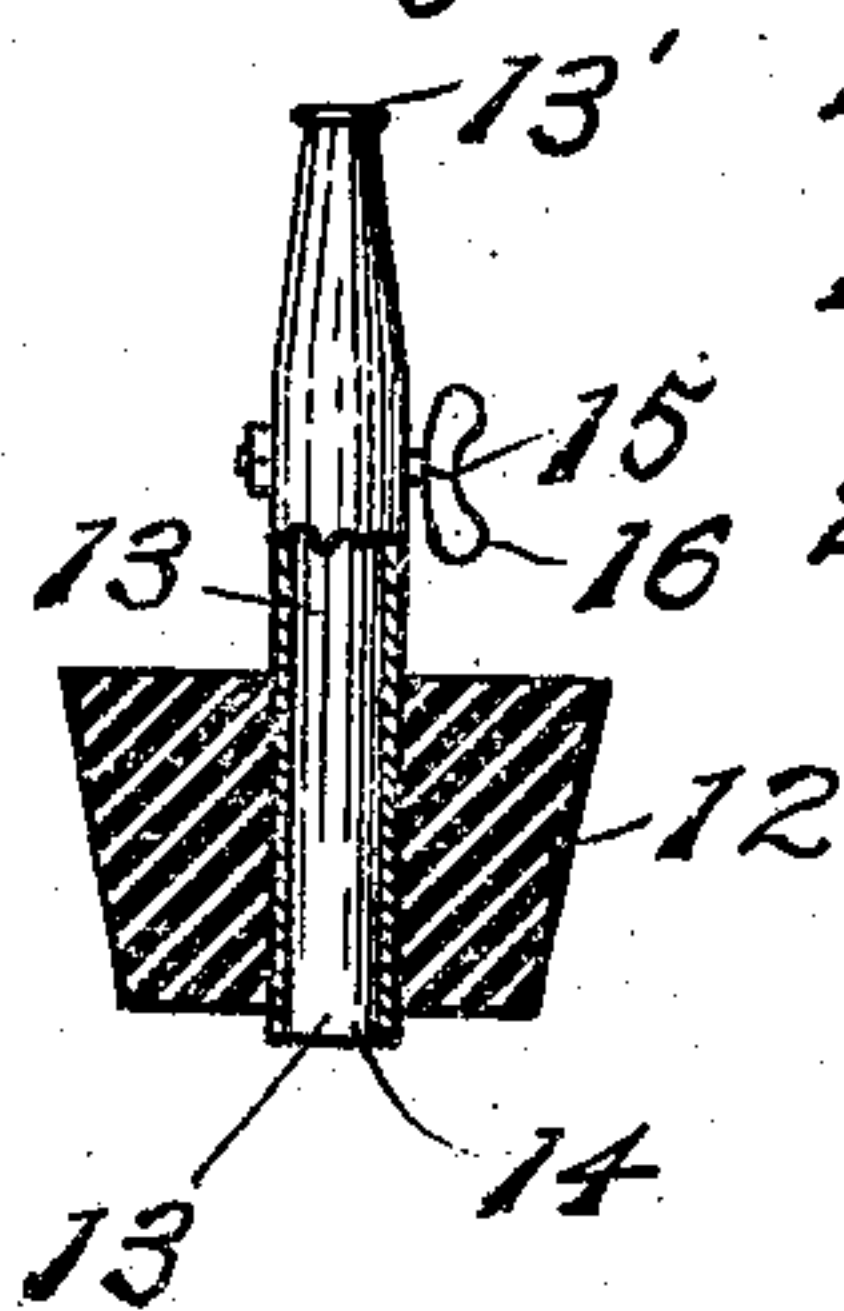


Fig. 6.

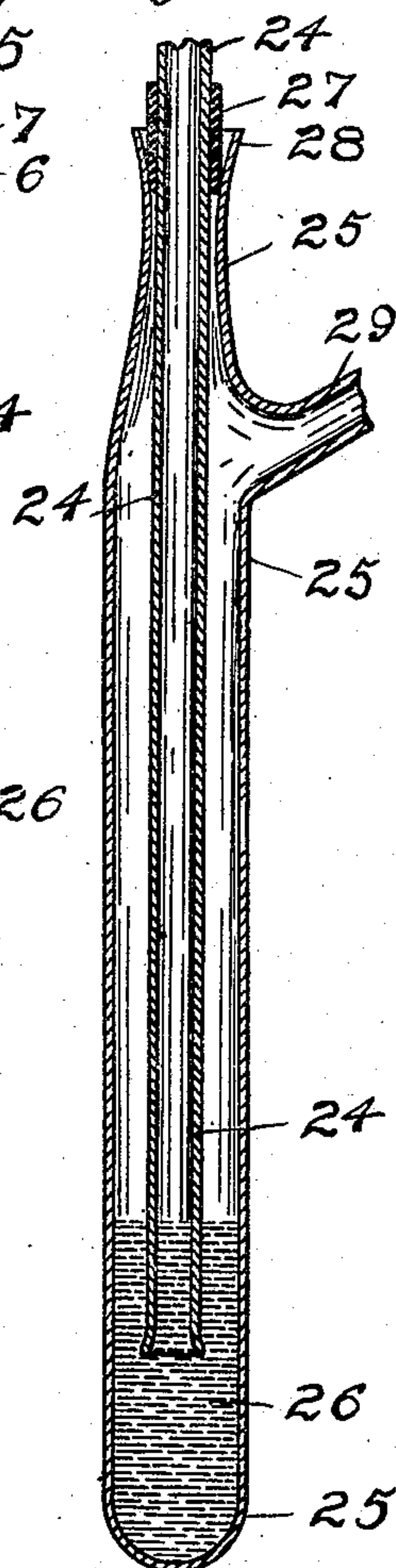


Fig. 5.

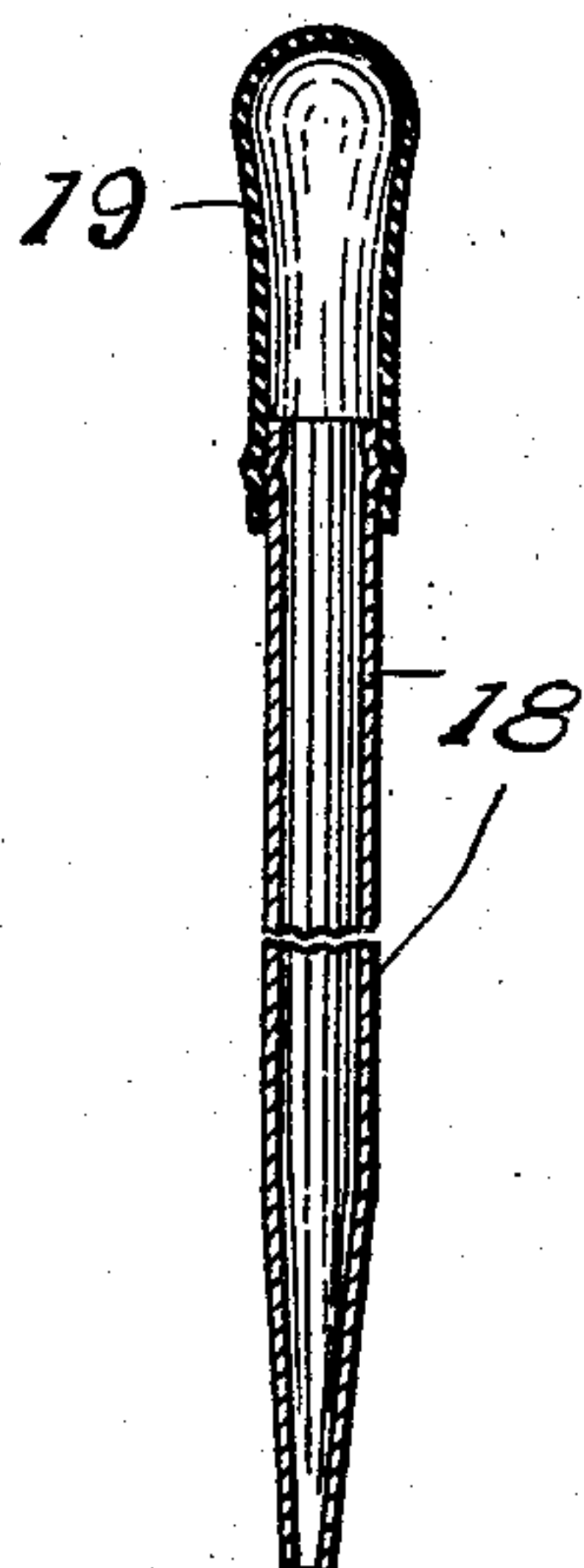
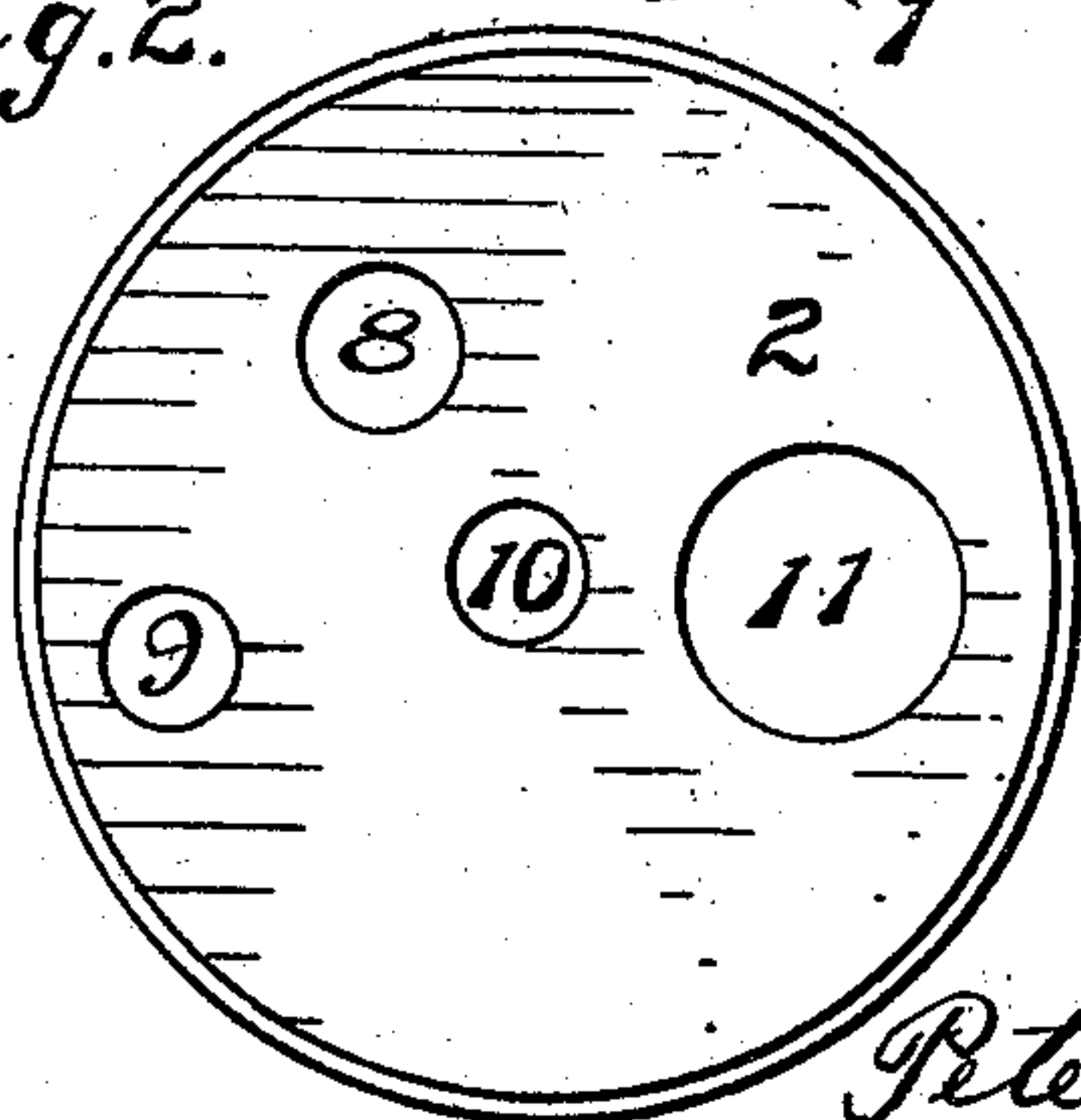


Fig. 2.



Witnesses:  
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# UNITED STATES PATENT OFFICE.

PETER E. MAGGINI, OF LOS ANGELES, CALIFORNIA.

## INHALING APPARATUS.

No. 858,736.

Specification of Letters Patent.

Patented July 2, 1907.

Application filed November 6, 1906. Serial No. 342,296.

*To all whom it may concern:*

Be it known that I, PETER E. MAGGINI, a citizen of the United States, residing at Los Angeles, county of Los Angeles, State of California, have invented and discovered a new and useful Improvement in Inhaling Apparatus; and I do hereby 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.

This invention relates to improvements in apparatus for generating and inhaling medicated gases and vapors; and the objects of my improvement are, first, to construct combined generating and inhaling apparatus for gases and vapors to be inhaled while in the nascent state; second, to provide generators and inhalers of gases and vapors quickly operated and conveniently applied by persons using the same; and third, to manufacture generators and inhalers that can be conveyed from place to place without danger of being broken and the contents of the generator injuring furniture and clothing of persons using the apparatus.

This invention consists essentially in the construction, combination and arrangement of the several parts, as will be hereinafter fully described in the specification shown upon the drawings appended hereto, and specifically pointed out in the claims made a part hereof.

I attain these objects by the construction illustrated in the accompanying drawings, in which—

Figure 1. is a perspective view of my combined generating and inhaling apparatus; Fig. 2. is a top plan view of the cover or lid of my improved generator and inhaler, other parts thereof removed; Fig. 3. is a perspective view of the funnel employed in filling the jar of the generator and inhaler with any desired liquid or other material employed in generating the gases and vapors used; Fig. 4. is a view partly in section and partly in elevation of the tube, stopper and stop-cock of the generator and inhaler, employed in the operation of my improved apparatus; Fig. 5. is a longitudinal sectional view of the dropper for forcing the fluids employed into the bottom of the jar of my improved apparatus; and Fig. 6. is a longitudinal sectional view of the washer for purifying the gases generated before being inhaled.

Similar reference numerals, letters and characters refer to like parts throughout the several views of the drawings.

The reference numeral 1 denotes the jar or receptacle in which the materials are placed from which the gas and vapors to be generated and inhaled are evolved.

The numeral 2' denotes the packing, 2 indicates the cover of the jar, and 3 refers to the band, preferably metal surrounding the neck of the jar for holding the wire netting 4, incasing the jar or receptacle 1. The said band 3 is provided with projecting lips 5, having

openings therein 6, through which the tightening screw 7 is adapted to pass in order to clamp tightly the said band around the neck of the jar or receptacle 1.

The cover or lid 2 of the jar is provided with openings 8, 9, 10, and 11. The opening 8 is preferably provided with the rubber plug or stopper 12, having the nozzle-ended pipe 13' secured in the central opening 14 thereof, the said pipe 13 being provided with the stop-cock 15 therein, having the thumb attachment 16, in order that the stop-cock may be turned so as to prevent the escape of the gases or vapors from the jar or receptacle 1, after the materials from which said gases or vapors are generated have been deposited in said receptacle.

In the opening 9 of the cover or lid 2, I tightly secure by means of the packing ring 17 surrounding said opening, the dropping-tube 18, extending to or near the bottom of the jar 1. To the upper end of the said dropping tube 18 I secure the elastic compression-cap 19, in order to force the liquid material in said tube 18 from the said tube near the bottom of the jar 1. In the opening 10 of the cover 2, I secure the packing-ring 20, through which the gas or vapor tube 21 passes, the said tube 21 being provided with an enlarged flaring mouth 22 at the bottom thereof, through which the gases or vapors evolved pass upward from the jar or receptacle 1, through the bent or curved connecting-pipe 23, to and through the gas-pipe 24, to and near the bottom of the washer 25, containing any suitable material 26, for washing and purifying the gases or vapors generated in the receptacle 1, and adapted to be inhaled by the person under treatment. The said gas pipe 24, near the upper end thereof, has secured thereon the packing-ring 27, in order to prevent the escape of gas or vapors from the upper flaring end 28, of the washer 25. In the opening 11 of the cover or lid 2 of the jar 1, is secured the packing-ring 25'.

The washer 25 is provided with a branch pipe 29, preferably made integral with the said washer 25, and by means of the curved connecting-pipe 30, the inhaling pipe 31 is connected to the said branch pipe 29.

The funnel 35, shown upon Fig. 3 of the drawings, I conveniently employ for conveying powdered or liquid materials into the jar 1, through the opening 8, in the cover 2 of the jar. The said funnel 35 I also use for conveying liquid material employed for generating gases and vapors used by removing the compression cap 19 from the dropping-tube 18, and after the requisite amount of liquid material has been deposited in said dropping-tube 18, the compression-cap 19 is again restored to place upon the upwardly and outwardly extending end of the said dropping tube. The lower end of the said dropping-tube 18, is preferably drawn out or made pointed, as shown upon Figs. 1 and 5 of the drawings, in order that the liquid deposited in the dropping tube may be retained therein until the cap



19 is compressed by the hand of the operator in order to force the said liquid out of the tube and into the fluid contained in the bottom of the jar or receptacle 1. By means of the wire netting 4, of any desired mesh, I protect my improved receptacle 1 from injury and damage done to furniture and clothing of persons under treatment, as well as injury from the breaking of the jar itself.

While my apparatus is being conveyed from place to place the curved connecting tubes 23 and 30 may be disconnected from the pipes 21, 24, 29 and 31 respectively. The said pipes 21 and 24 can be plugged with corks or other suitable stoppers, in order to prevent the escape of the liquid from the receptacle 1, and from the washer 25. The compression-cap 19 may also be removed from the dropper 18 and a cork or other stopper secured in the upwardly-projecting end thereof. The said compression cap 19, the curved connecting pipes 23 and 30, the inhaling pipe 31, and the funnel are wrapped together, in order to avoid any injury being done while the apparatus is being carried from place to place.

From the foregoing description, taken in connection with the accompanying drawings, it is thought that the construction, mode of operating, and advantages of

my improved apparatus will be readily apparent without requiring an extended explanation.

Various changes in the form, proportion, and minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention, and I therefore reserve to myself the right to make such changes as fairly fall within the scope thereof.

I claim:

A generating and inhaling gas or vapor apparatus, comprising a receptacle having a protector secured to the upper end thereof and surrounding the receptacle, a cover secured air-tight to the mouth of the receptacle, the said cover provided with an inlet for the material having a stopper provided with a stop-cock for removing the air in the receptacle as the gases and vapors evolve therein, means for intermittently forcing material from which the gases or vapors generated into the receptacle, a delivery pipe for conveying gas from the receptacle into the gas purifier secured to the cover and extending downwardly into the receptacle, and means for inhaling the gases and vapors as soon as evolved and purified.

In testimony whereof, I have signed my name to this specification in the presence of two subscribing witnesses.

PETER E. MAGGINI.

Witnesses:

JAMES R. ROGERS,  
E. M. CONLEE.