

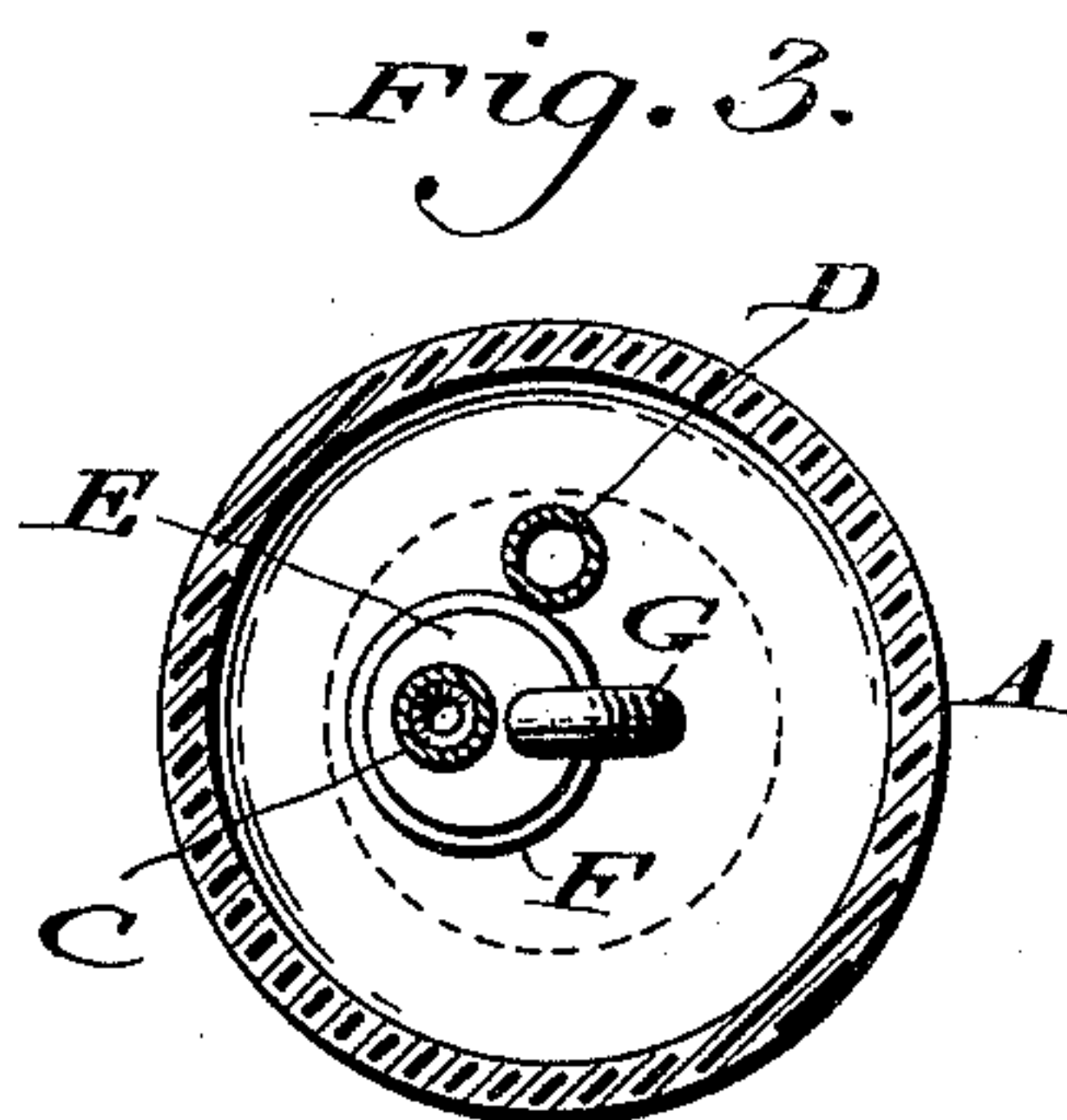
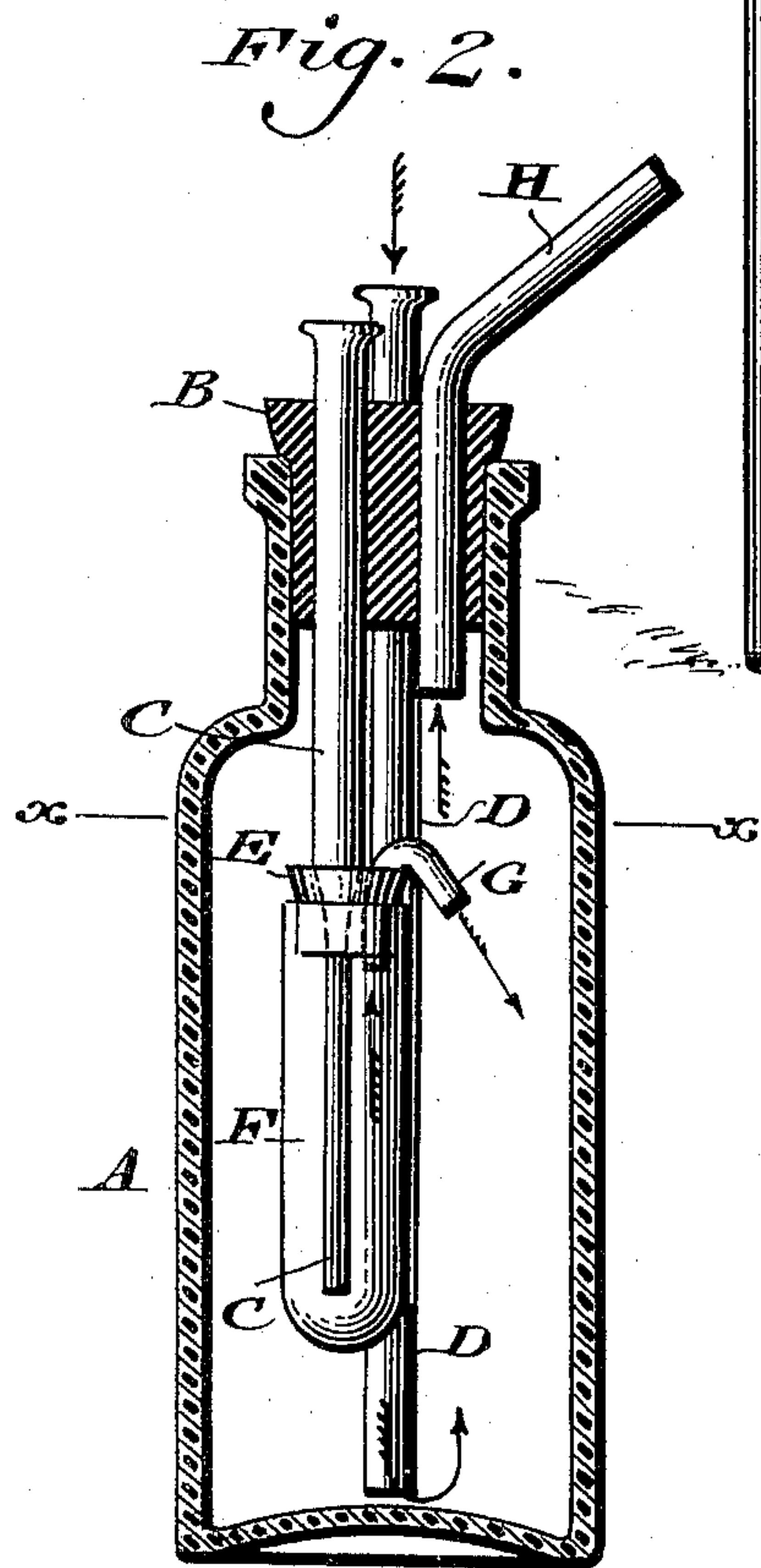
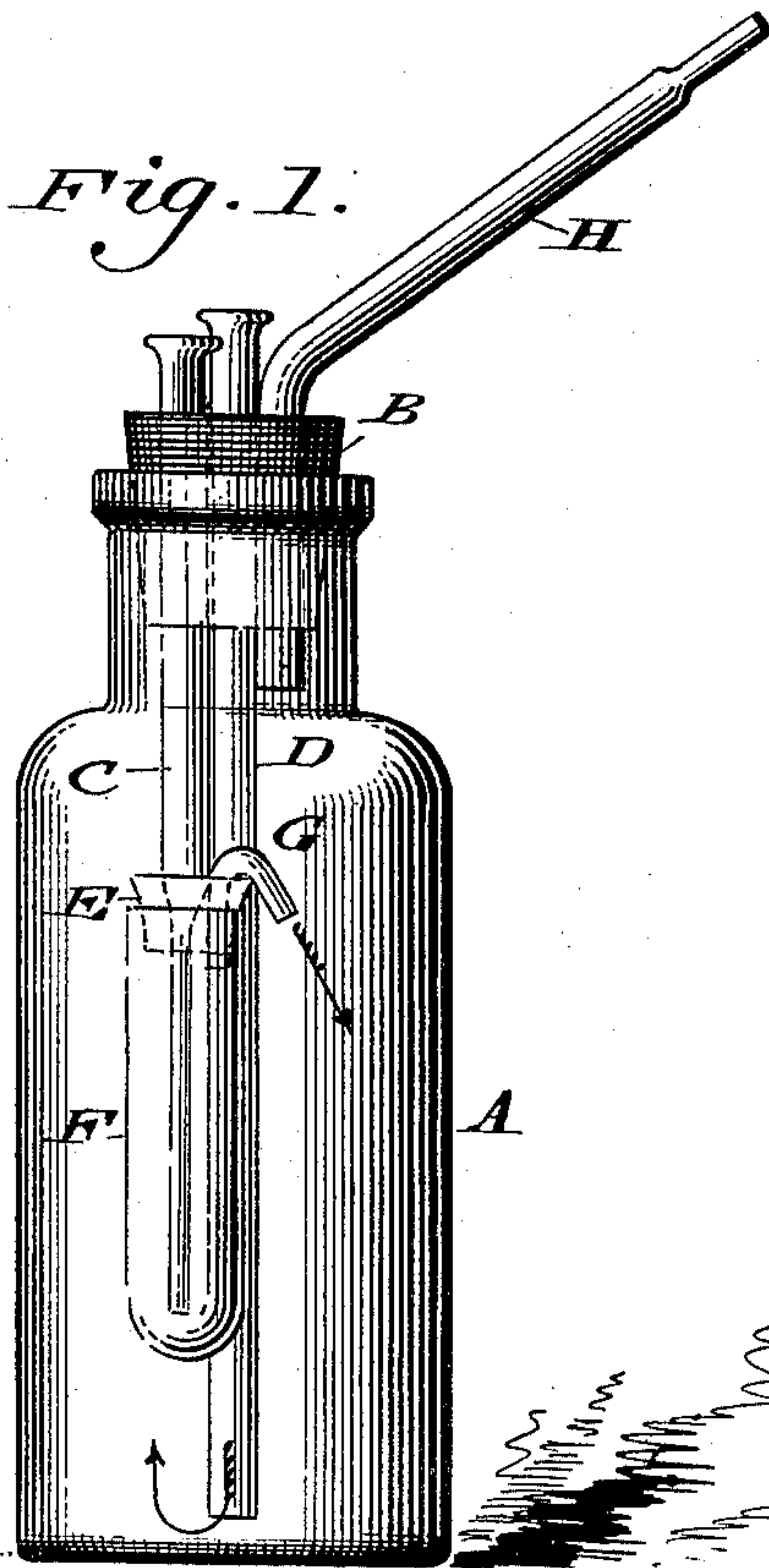
No. 610,717.

Patented Sept. 13, 1898.

J. M. MUNYON.
INHALER.

(Application filed Feb. 10, 1898.)

(No Model.)



WITNESSES:

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UNITED STATES PATENT OFFICE.

JAMES M. MUNYON, OF PHILADELPHIA, PENNSYLVANIA.

INHALER.

SPECIFICATION forming part of Letters Patent No. 610,717, dated September 13, 1898.

Application filed February 10, 1898. Serial No. 669,795. (No model.)

To all whom it may concern:

Be it known that I, JAMES M. MUNYON, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Inhalers, which improvement is fully set forth in the following specification and accompanying drawings.

My invention consists of an inhaler or inhaling device which is provided with a vessel adapted to contain a medicament, the vapor of which may unite with that of the fluid in the bottle and so be inhaled by the patient, the bottle and vessel having their own means for supplying air, so that, as said means are independent of each other, the inhaling may be accomplished with ease.

Figures 1 and 2 represent side elevations of an inhaler embodying my invention, the bottle of the same being shown in vertical section in Fig. 2. Fig. 3 represents a horizontal section on line $x x$, Fig. 2.

Similar letters of reference indicate corresponding parts in the figures.

Referring to the drawings, A designates the bottle or body of an inhaler, and B designates the stopper thereof. C and D designate tubes which pass through said stopper B into the bottle and are open at both ends, the tube D also passing through the stopper E of the medicament-containing vessel F, which is suspended within the bottle in the present case by said stopper E and tube.

G designates a bent pipe or gooseneck which is connected with the stopper E and forms a communication between the vessel F and the bottle A and serves as the discharge-nozzle of said vessel.

H designates the mouthpiece or tube, the same being passed through the stopper B and opening into the bottle.

The operation is as follows: The bottle is supplied with a proper liquid or medicament, as is also the vessel A. The tube H is applied to the mouth and the patient draws

therein, whereby vapors are passed off from the liquid, and the same commingle in the bottle and are inhaled by the patient. As the air is displaced in the bottle it is replenished or supplied through the tubes C and D, and as the latter dip into the respective fluids the vaporization of the same is readily occasioned and the withdrawal of the vapors through the mouthpiece easily accomplished. Especially is this the case as both the bottle A and vessel F are replenished with air independent of each other, and thus the inhalation is effected with less effort, a feature appreciable by a patient. The tube C also serves as a medium for replenishing the vessel F from without, and the portion of said tube within said vessel is somewhat reduced in diameter, thus occupying less room and producing better results.

As the several tubes C D H are connected with the stopper B and the vessel F and gooseneck G are connected by the stopper E with the said tube C, all of said parts may be removed as one by displacing the stopper from the bottle.

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

A bottle having a stopper, a mouthpiece, independent air-supply tubes entering said bottle, an auxiliary vessel in said bottle which is suspended therein by one of said air-supply tubes, which enter said vessel, a stopper in the mouth of said vessel and discharge-nozzle on said vessel opening into said bottle, the first-named stopper forming a common support for said mouthpiece and both air-supply tubes and the other named stopper forming a common support for said nozzle and the air-supplying tube which enters said vessel.

JAMES M. MUNYON.

Witnesses:

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