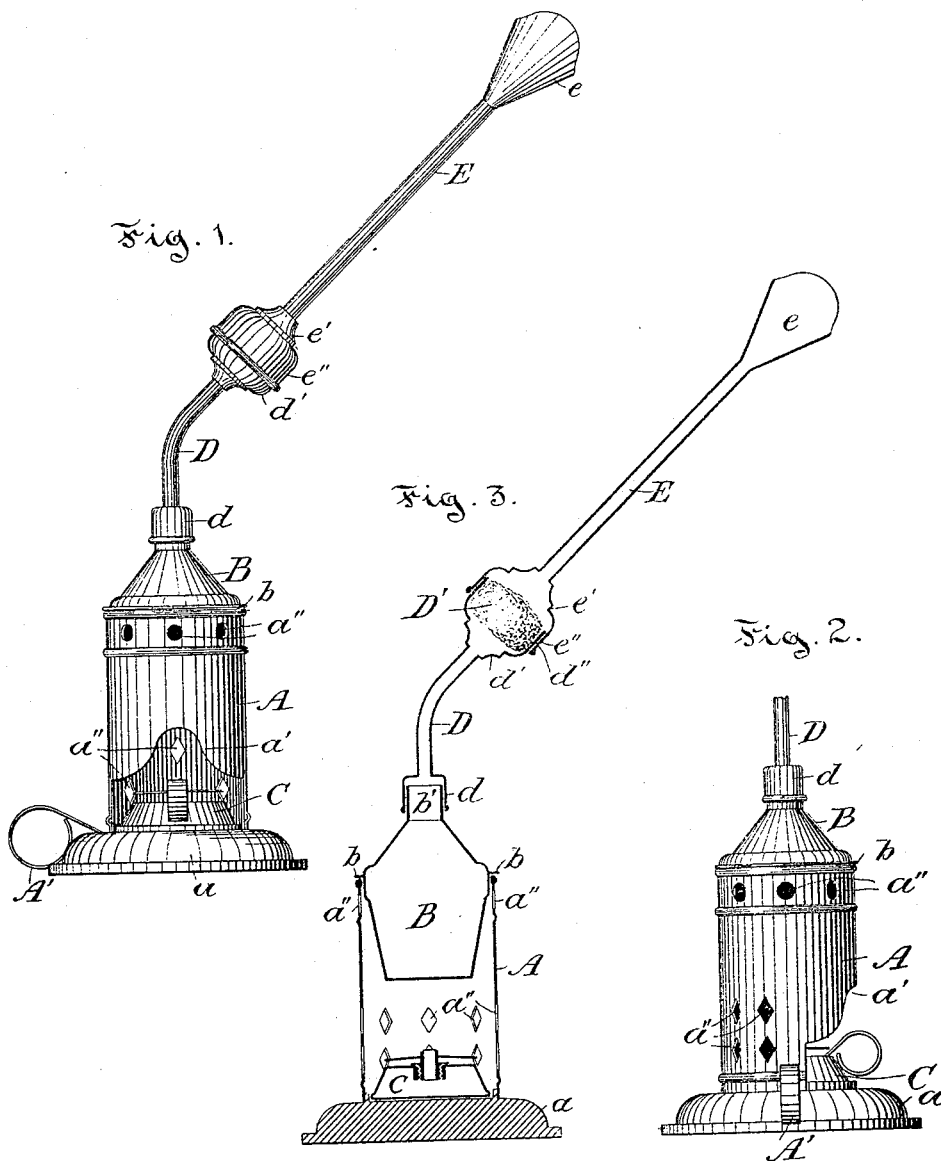


(No Model.)

C. L. COULTER.  
INHALER.

No. 453,626.

Patented June 9, 1891.



Witnesses:  
*Chas. Raley.*  
*Arthur Cantin.*

Charles L. Coulter  
 Inventor.

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 Attorney.

# UNITED STATES PATENT OFFICE.

CHARLES L. COULTER, OF LINDSAY, ONTARIO, CANADA.

## INHALER.

SPECIFICATION forming part of Letters Patent No. 453,626, dated June 9, 1891.

Application filed September 11, 1890. Serial No. 364,593. (No model.) Patented in Canada October 10, 1890, No. 35,173.

### *To all whom it may concern:*

Be it known that I, CHARLES L. COULTER, of Lindsay, in the county of Victoria, in the Province of Ontario, in the Dominion of Canada, have invented certain new and useful Improvements in Combined Vaporizers and Inhalers, (for which I have obtained a patent of Canada, No. 35,173, dated October 10, 1890;) and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part hereof.

My invention, which will be hereinafter fully set forth and claimed, relates to devices for vaporizing, medicating, and inhaling medicated or other liquids.

Figure 1 is an elevation of my improved vaporizer and inhaler. Fig. 2 is another elevation of the same, taken at a right angle to Fig. 1; and Fig. 3 is a vertical section of the same.

A is a cylindrical stand, having a weighted foot or base *a* and provided with a handle *A'*. Just above the base a portion of the cylindrical casing is cut away to form an aperture *a'* for the insertion of a heater, a spirit-lamp C, having a large flat shield *c*, formed by a disk attached to the burner or wick-tube, being preferred, and perforations *a''* are provided for the admission of air.

B is a water-tight vessel or boiler having a slightly conical body loosely fitting the upper part of the casing A and depending from the upper rim thereof by a flange *b*. The upper part of said boiler above said flange tapers off conically into a wide cylindrical neck *b'*, open at the top, and is adapted to form one part of a slip-joint.

D is a bent tube, having at one end the cylindrical capsule mouth-piece *d*, adapted to fit closely upon the cylindrical neck of the boiler, and at the other end the bulb *d'*, having a wide straight cylindrical mouth *d''*, adapted for the insertion in said bulb of a sponge *D'*.

E is an inhaling-tube, having at one end a wide mouth *e'*, with a straight cylindrical end *e''*, adapted to connect with the mouth *d''* of the bulb *d'* by passing tightly over said mouth and forming a slip-joint, and at the other a mouth-piece *e*, adapted to fit over the lips of a person. The tube D is so bent that when the apparatus is placed upon the table before a person the mouth-piece *e* meets the user's lips or nostrils at a convenient angle, the tube E being preferably straight, but may of course be bent, if desired.

For use the boiler E is partially filled with water, (preferably hot,) which may or may not be medicated. In the bulb *d'* is placed a small sponge saturated with essential oils or any drug or medicament desired. The lamp C, being lighted and placed under the boiler, causes the water in the latter to be evaporated and the vapors to pass through the tube D, bulb *d'*, and tube E, and to be inhaled from the mouth-piece *e*.

I claim as my invention—

In a combined vaporizer and inhaler, the combination of the cylindrical stand A, having a weighted base and an aperture adapted to receive a heater, a boiler B, having a flange *b*, by which it is suspended at the top rim of said stand, and a wide-mouthed cylindrical neck adapted to form one part of a union-joint, a bent tube D, having at one end a cylindrical capsule-mouth adapted to connect with the boiler-mouth and at the other a cylindrical bulb adapted to receive a sponge, and an inhaling-tube E, having a cylindrical mouth-piece adapted to form a union-joint with said bulb at one end and a mouth-piece *e* at the other end, substantially as set forth.

In testimony whereof I have signed this specification in the presence of the undersigned witnesses.

CHARLES L. COULTER.

Witnesses.

J. SIMPSON,  
J. DEDEN.