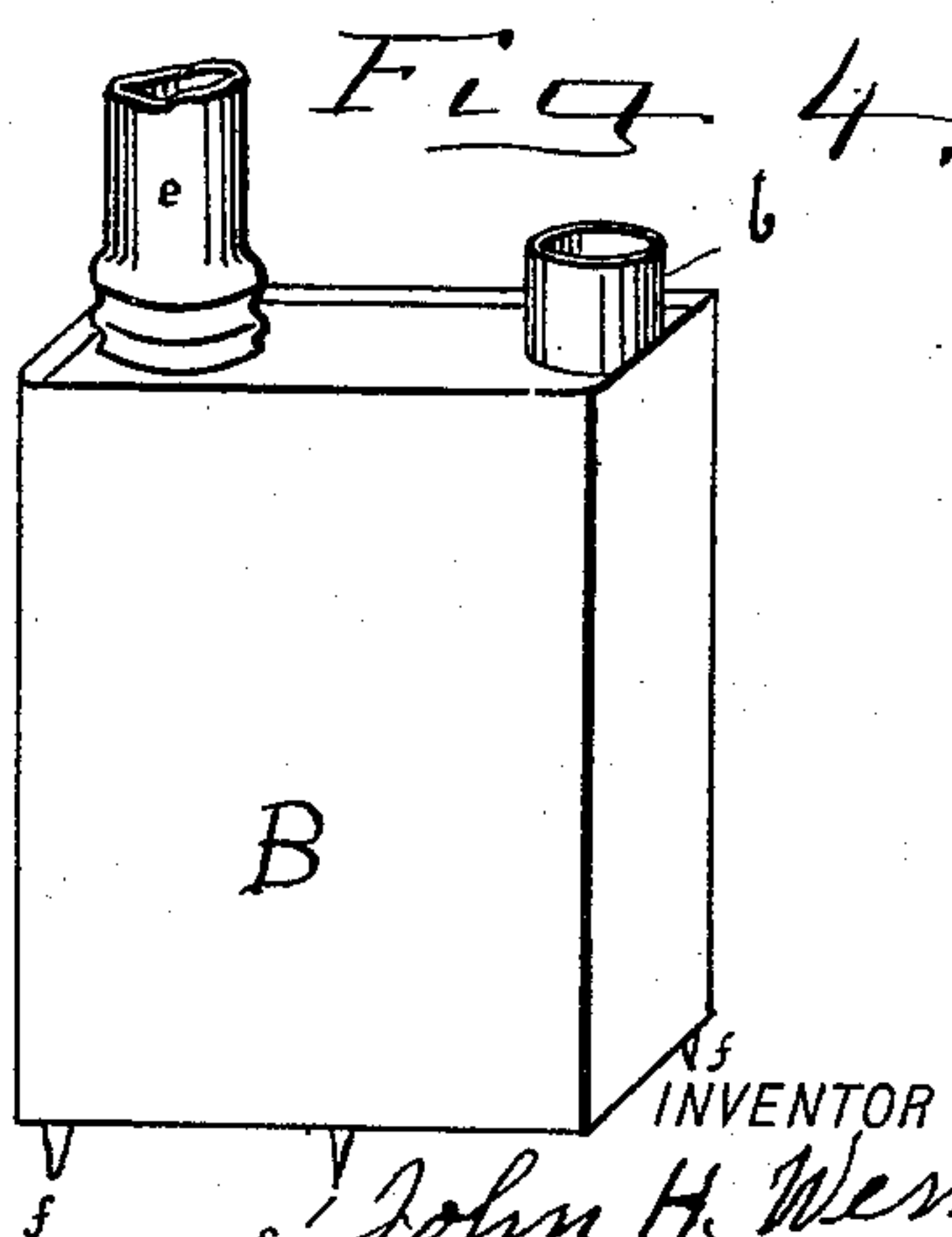
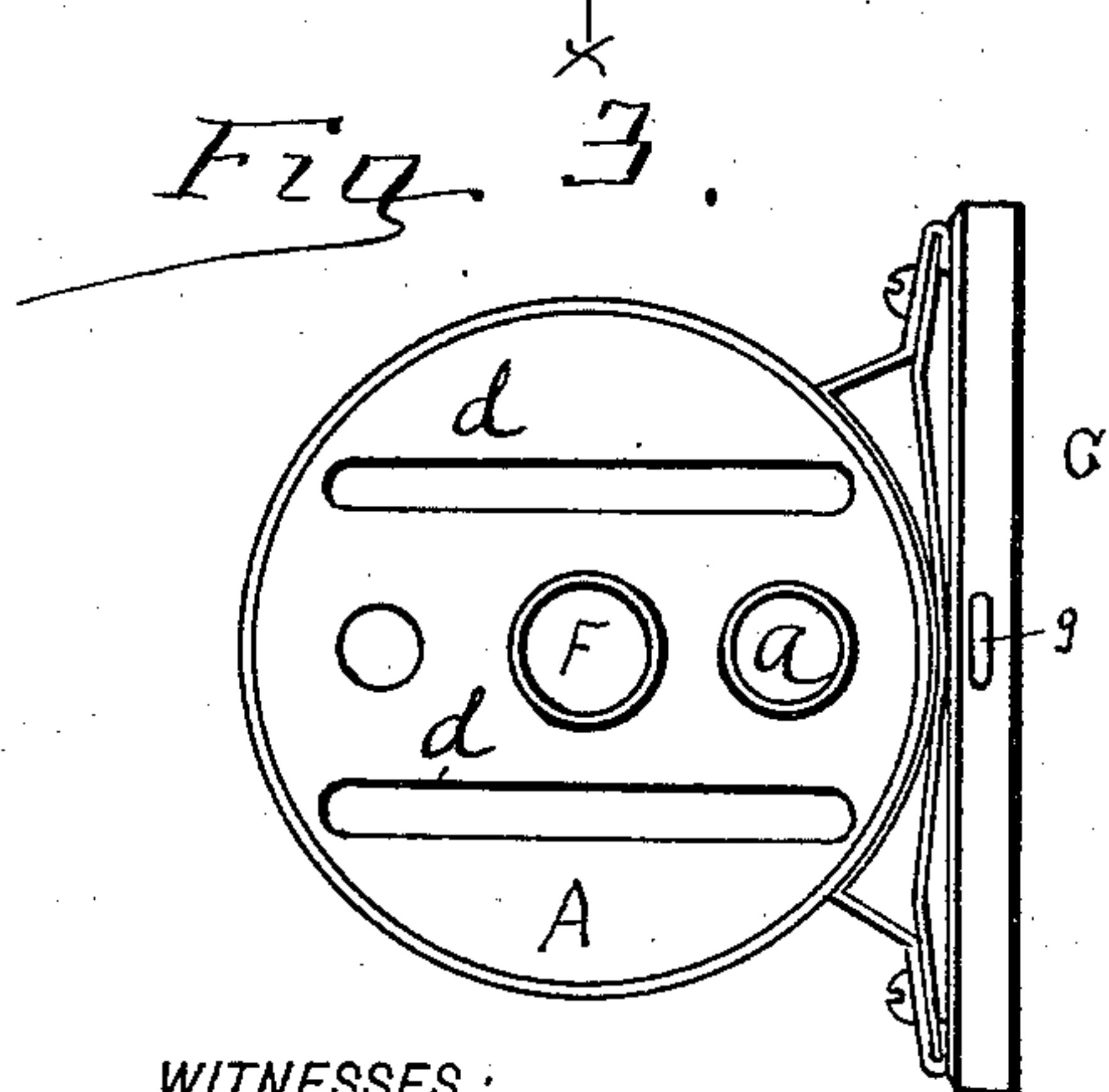
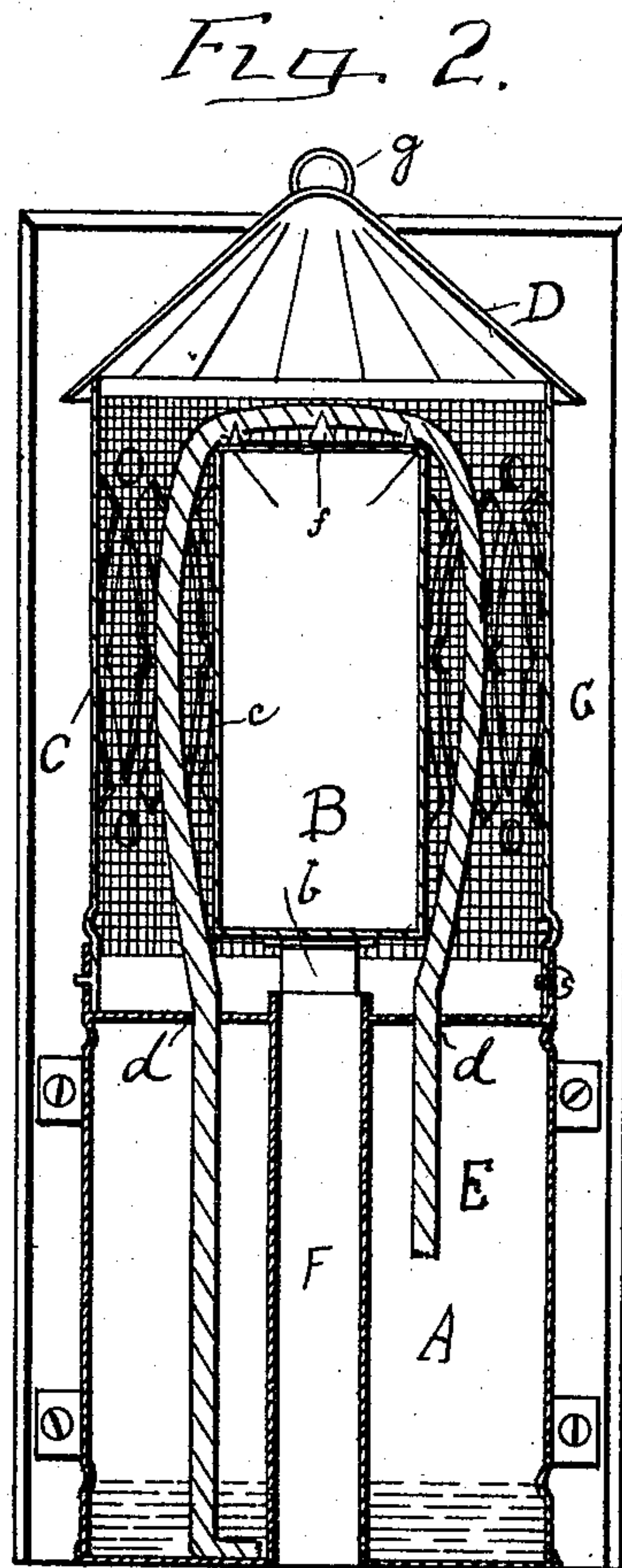
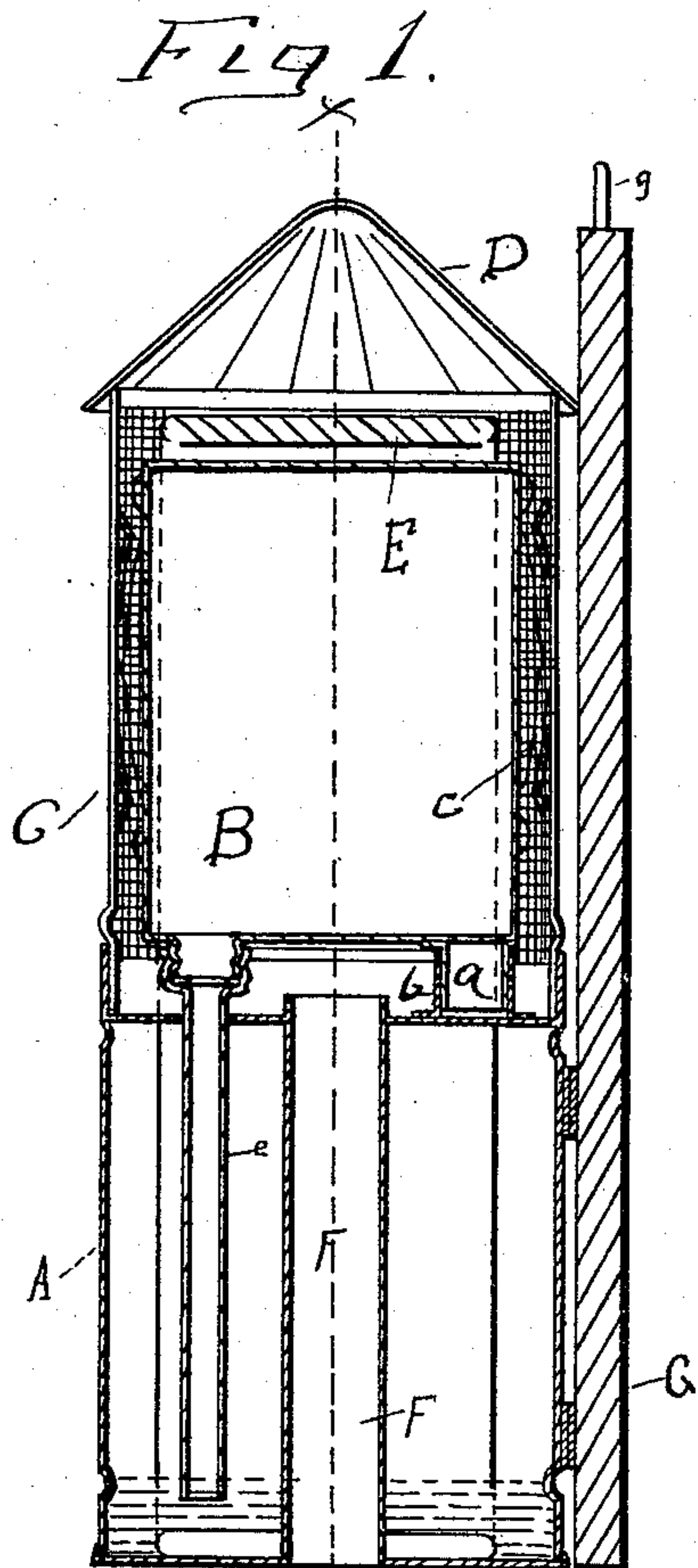


(No Model.)

J. H. WERNER.
DISINFECTING DEVICE.

No. 539,927.

Patented May 28, 1895.



WITNESSES:

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DISINFECTING DEVICE.

SPECIFICATION forming part of Letters Patent No. 539,927, dated May 28, 1895.

Application filed July 12, 1894. Serial No. 517,286. (No model.)

To all whom it may concern:

Be it known that I, JOHN H. WERNER, a citizen of the United States, residing at Canton, in the county of Stark and State of Ohio, have
5 invented certain new and useful Improvements in Disinfectant-Exhalers; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part
10 of this specification, and to the letters of reference marked thereon, in which—

Figure 1 is a longitudinal vertical section showing the different parts properly adjusted and arranged. Fig. 2 is a vertical section
15 through line *xx*, except that the device in Fig. 2 is a true vertical section. Fig. 3 is a top view showing the liquid-retaining receptacle removed. Fig. 4 is a detached view of the liquid-retaining receptacle, showing
20 the same inverted or upside down.

The present invention has relation to disinfectant exhalers, and it consists in the different parts and combination of parts hereinafter described and particularly pointed
25 out in the claims.

Similar letters of reference indicate corresponding parts in all of the figures of the drawings.

In the accompanying drawings, A represents the vaporizing chamber or receptacle,
30 which is preferably of the form shown, and is of a size to correspond with the size of the device to be constructed.

The liquid retaining receptacle B is substantially of the form shown in the drawings, and when in use it is located upon the top or upper end of the vaporizing receptacle A, and is held a short distance away from the top or upper end of said vaporizing chamber or receptacle, for the purpose of providing better
40 ventilation, and is supported as hereinafter described.

The top or upper end of the vaporizing receptacle A, is provided with the socket or thimble *a*, which thimble receives and holds the tube or extension *b*, which tube or extension supports the liquid retaining receptacle B, at the required height. For the purpose of retaining the liquid in the receptacle B the
50 tube or extension *b* is to be closed, as the only object of said extension is to support the receptacle.

To the top or upper end of the vaporizing receptacle A, is removably attached the casing C, which casing is perforated substantially as shown, and for the purpose of protecting the wick without cutting off ventilation, the wire gauze *c* is provided, which wire gauze is preferably located upon the inside of the casing C. The top or upper end of
60 the casing C, is provided with the hood D.

The top or upper end of the vaporizing receptacle A, is provided with wick slots *d*, which wick slots are located and arranged substantially as shown in Fig. 3, and are for
65 the purpose of receiving the wick E as hereinafter described.

The liquid retaining receptacle B, is filled with the disinfecting liquid by removing the drip tube *e* and inverting said receptacle as
70 illustrated in Fig. 4, after which the tube *e*, is placed in its normal position with reference to the receptacle B, and said receptacle placed in the position illustrated in Figs. 1 and 2. It will be understood that a quantity
75 of the liquid will flow from the receptacle B, through the tube *e*, thereby partially filling the receptacle A. When the liquid in the receptacle A rises above the bottom or lower end of the tube *e*, the flow is cut-off, thereby
80 atmospherically closing the receptacle B.

In use one end of the wick E is extended downward and into the liquid, substantially as shown, from whence it is brought up over the receptacle B, and extended into the receptacle A, and held a short distance above
85 the top of the liquid line in the receptacle A. The wick E, is held at the desired point of adjustment by means of the points *f*, which points engage the wick. It will be understood that as the liquid is drawn upward
90 through the wick by capillary attraction the disinfecting vapor will be exuded and quickly disseminated, thereby accomplishing the object of the invention.

By the peculiar arrangement above described the strength of the disinfecting liquid is retained, inasmuch as when the liquid line falls below the bottom of the tube *e*, an additional quantity of liquid will flow, thereby
100 automatically closing the bottom or lower end of the tube, and at the same time cutting off the flow of liquid thereby producing an even supply.

For the purpose of providing for ventilation, the receptacle A, is provided with the open tube F, which open tube allows a current of air to ascend upward through said tube.

It will be understood, that by arranging the wick E, as shown, all of the surplus liquid will be conveyed to the receptacle, the liquid finding its way to the lower end of the wick that is located above the liquid line in the receptacle A.

The slots *d* are for the purpose of providing means for entering the wick E.

The device proper may be attached to the board G, which board may be suspended together with the device by means of the eyes *g*, or its equivalent; but it will be understood that this is not essential, as it shows but one of many ways that might be employed to support the device proper.

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

1. The combination of the vaporizing chamber or receptacle A, provided with wick slots, the tube or extension *b*, the liquid receptacle B, provided with the drip tube *e*, a wick both ends of which are located within the receptacle A, one end thereof below the liquid line, and the other above, substantially as and for the purpose set forth.

2. The combination of a vaporizing chamber provided with a liquid receptacle located above the vaporizing receptacle or chamber, and provided with the drip tube *e* extended into the vaporizing chamber, the wick E located over the liquid receptacle B, and extended into the receptacle A, substantially as and for the purpose specified.

In testimony that I claim the above I have hereinto subscribed my name in the presence of two witnesses.

JOHN H. WERNER.

Witnesses:

E. A. C. SMITH,
F. W. BOND.