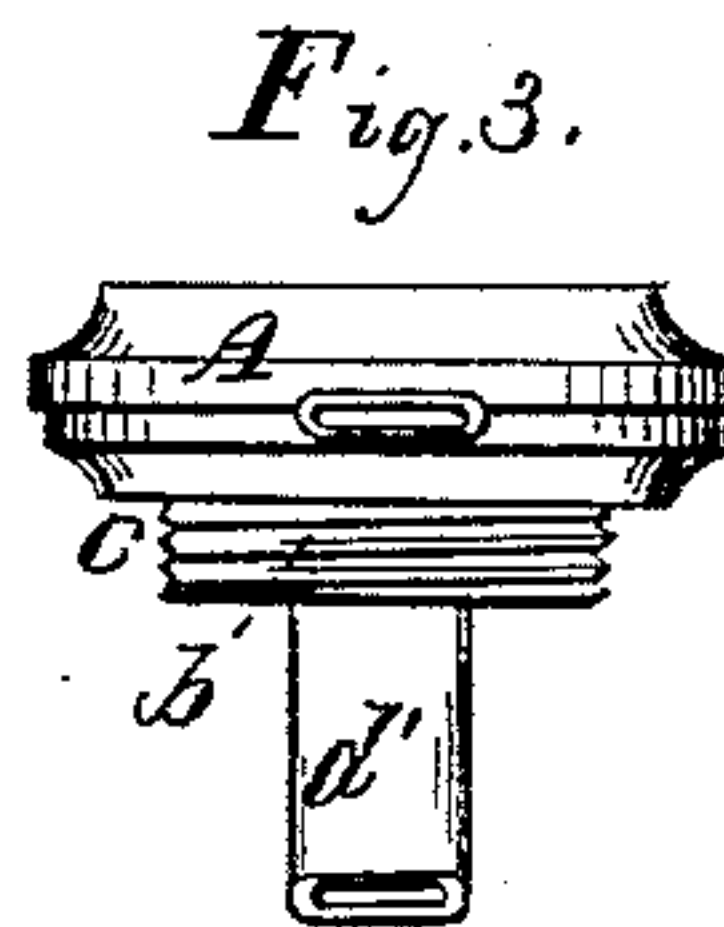
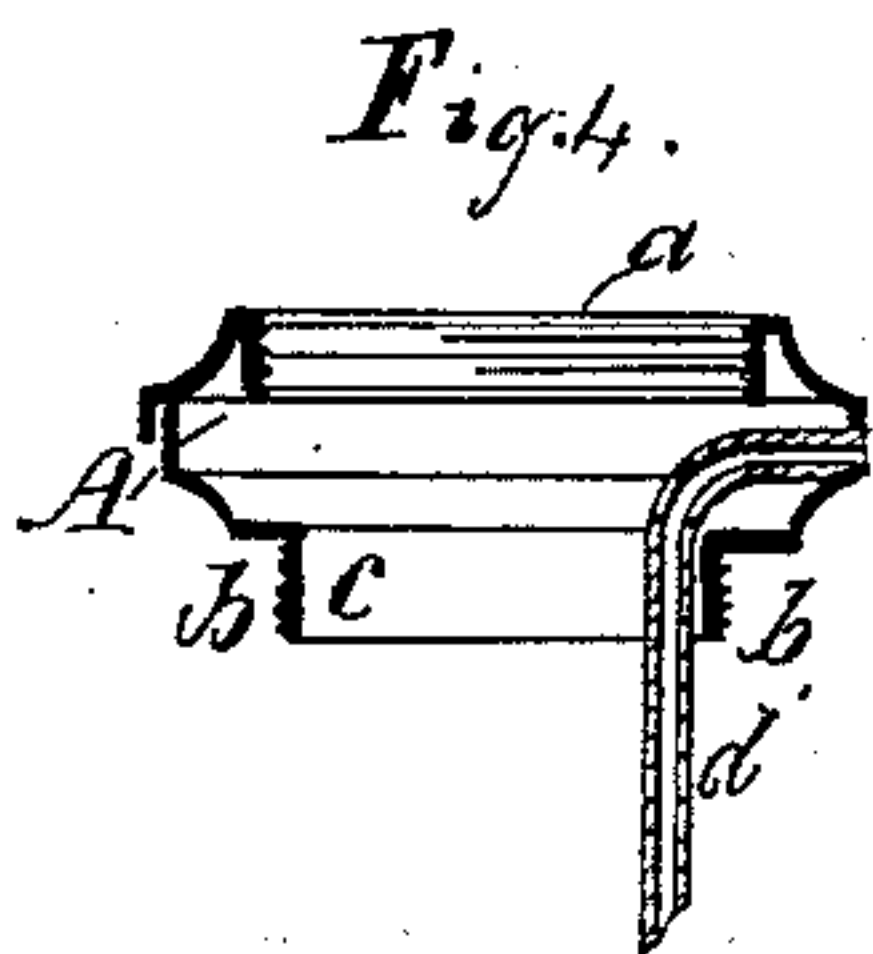
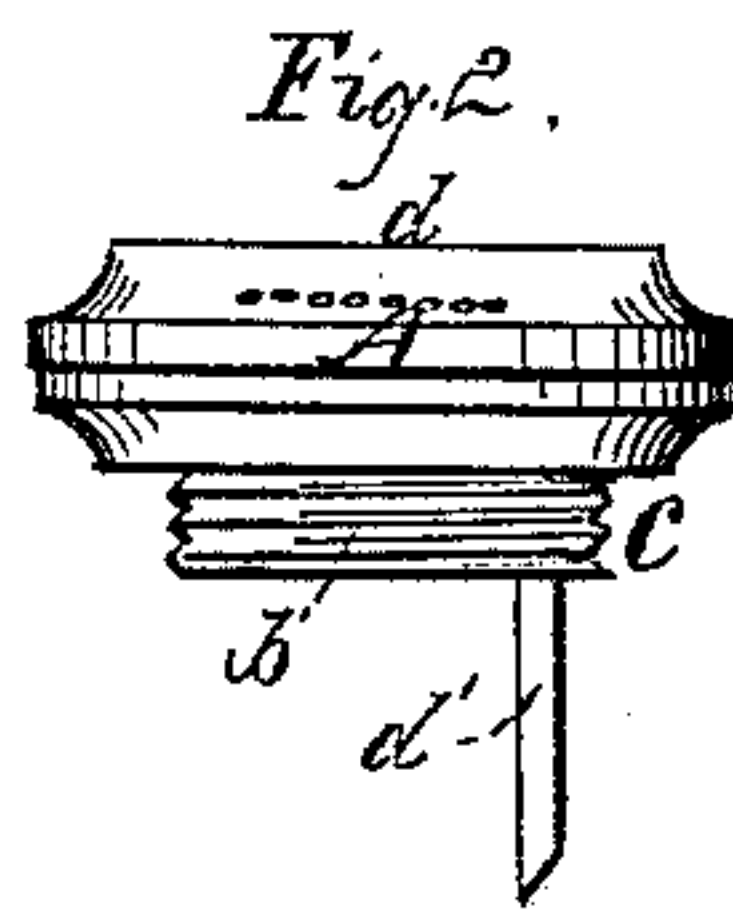
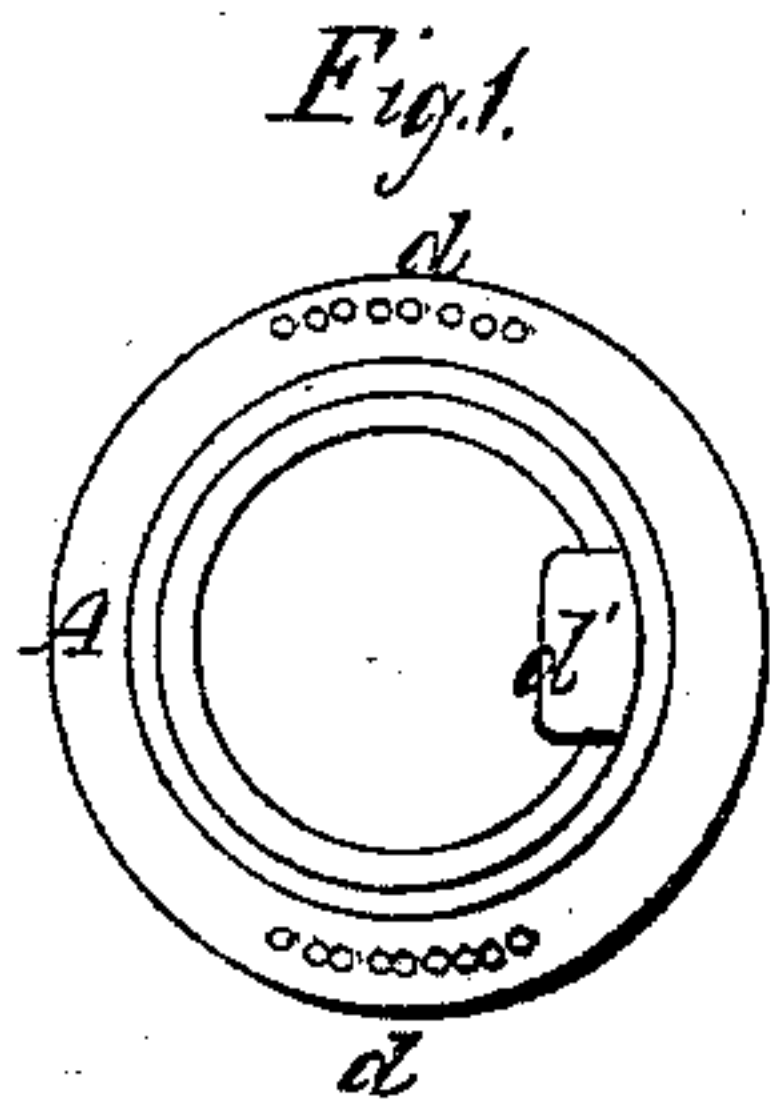


C. APPLEBEE.
Safety Lamp.

No. 84,078.

Patented Nov. 17, 1868.



Witnesses
J. H. Piper
J. R. Snow

C. Applebee
by his attorney
N. H. Eddy



CEPHAS APPLEBEE, OF LYNDON, VERMONT.

Letters Patent No. 84,078, dated November 17, 1868.

IMPROVEMENT IN SAFETY-APPARATUS FOR LAMPS.

The Schedule referred to in these Letters Patent and making part of the same.

To all persons to whom these presents may come:

Be it known that I, CEPHAS APPLEBEE, of Lyndon, in the county of Caledonia, and State of Vermont, have invented a new and useful Safety-Apparatus for Lamps; and I do hereby declare the same to be fully described in the following specification, and represented in the accompanying drawings, of which—

Figure 1 denotes a top view,

Figures 2 and 3 are side elevations, and

Figure 4, a vertical section of it.

It is intended to be screwed upon the foot of the burner and into the neck of a kerosene-lamp. The body part, A, of it is a hollow annulus, having a female screw, *a*, at its upper part, and a male screw, *d*, cut on a neck, *c*, projecting from its lower part.

Furthermore, a series of fine holes is made through the said body, or is arranged therein, in manner as shown at *d* in figs. 1 and 2.

Furthermore, a pipe, *d'*, opening through one side of the body, is extended downward from such body and its lower screw-neck, in manner as represented in the drawings.

The purpose of the invention is to prevent the explosion of a kerosene-lamp, by reason of the formation of combustible vapor, and its taking fire therein. The perforations or small holes in the top of the chambered body, formed as shown in the drawings, permit the escape of the gas, as it may be generated, and should it take fire, they prevent the flame from going into the body of the lamp. The tube admits the air from the outside of the lamp to enter and occupy the place of the gas discharged.

Having used my invention for several months, I have fully demonstrated its utility.

Besides rendering the lamp perfectly safe, it causes it to give forth a better light, with great steadiness of flame.

I am aware that my invention embodies safety-prin-

ciples which are common to some lamp-attachments; that is to say, it has provisions for the entrance of air into the fluid-reservoir, and the escape of gas therefrom. In these respects, my invention is analogous to what is found in the devices described and represented in the specifications and drawings of the United States patents 77,514 and 77,844. Apart from such similarities, there are important and essential differences between my invention and such devices, for my lamp-attachment contains means or elements by which it may be readily applied to the reservoir and burner of very many kerosene-lamps in common use, and besides, the arrangement of its air-induction pipe is such that it extends wholly within its supporting-annulus, and descends therein, in order that gas or vapor, when generated in the lamp-reservoir, may not escape, or be driven through the said pipe, so as to obstruct the passage of air into and through it. The female screw at the top, and the male screw at the bottom of my safety-attachment, are requisites, and are not found in either of the devices or safety-attachments, as represented and described in such patents.

Consequently, I make no claim to the safety-devices or attachments, as represented and described in such patents.

What I claim as my invention is as follows:

I claim my improved arrangement of the air-pipe *d'*, with the annular body A, and its series, *d*, of gas-discharging holes.

Also, the combination and arrangement of the neck *c*, and the male and female-connection screws *a b*, with the annular body A, the air-entrance tube *d'*, and the gas-educts or series, *d*, of discharging-holes, arranged in such body, as hereinbefore specified.

CEPHAS APPLEBEE.

Witnesses:

W. C. CHAMBERLAIN,
J. N. BARTLITT.