

J. S. HULL.
Lamps.

No. 146,341.

Patented Jan. 13, 1874.

Fig. 1

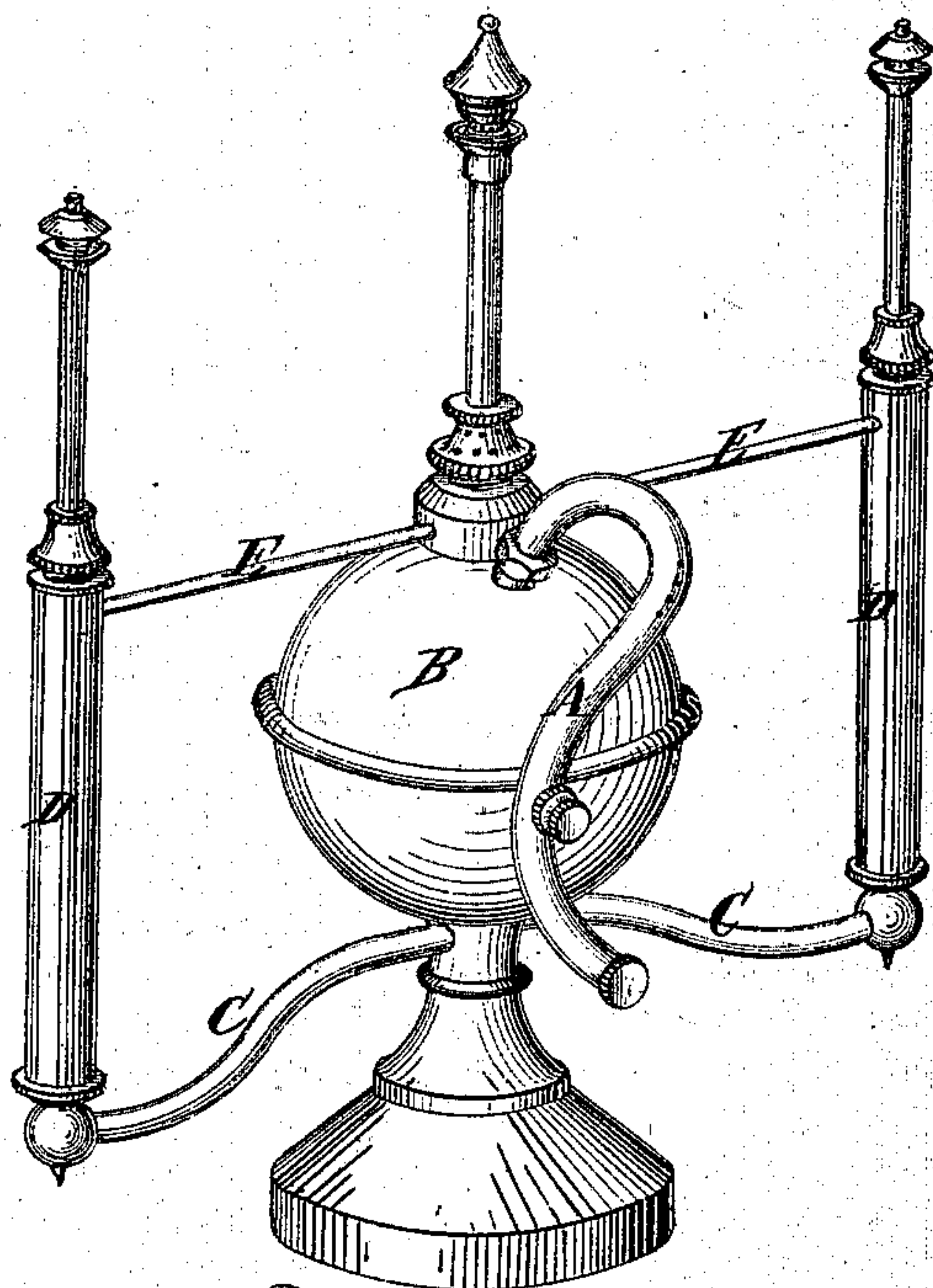
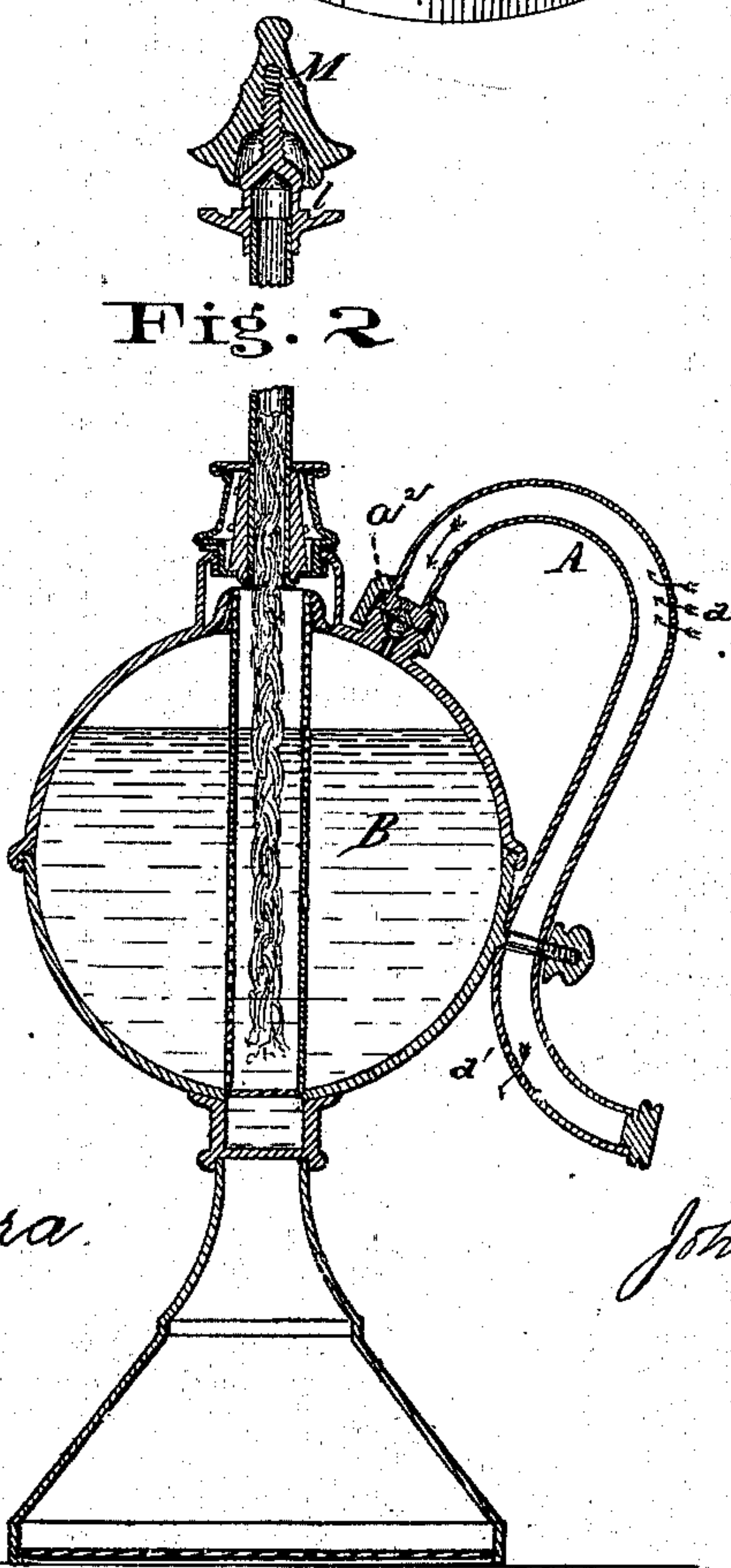


Fig. 2



Attest
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UNITED STATES PATENT OFFICE

JOHN S. HULL, OF CINCINNATI, OHIO.

IMPROVEMENT IN LAMPS.

Specification forming part of Letters Patent No. **146,341**, dated January 13, 1874; application filed May 23, 1873.

To all whom it may concern:

Be it known that I, JOHN S. HULL, of Cincinnati, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Lamps, of which the following is a specification:

The invention consists of a lamp having a hollow handle with perforations in it for the entrance of air to the fluid, said handle being provided with a valve, so that, should the lamp be upset, the discharge of the fluid through said handle is prevented, as will be fully hereinafter described, the object of my invention being to improve the light and increase the safety and convenience of the lamp, all of which will be understood by reference to the drawings and the following description, in which—

Figure 2 is a vertical section, showing clearly the hollow handle A, which is perforated at a , where the air enters, and passes in the direction of the arrows to the fluid-bowl B. Heated gases generated in B pass out through the same conduit-handle. a^1 is another hole in the handle for the escape of any fluid which may gather in the handle. The handle, being made detachable, as shown, may be made very cheaply and rapidly. To prevent the escape of fluid when the lamp is upset, all the joints are made tight by the use of soft washers, so that there cannot be any escape, except through the wick-tube or the handle, and, to prevent the latter,

I provide a valve, a^2 , in the joint where the handle is connected to the reservoir, as shown in Fig. 2. The seat for the valve, when the lamp is upright, is grooved, so that the air or gases will pass freely either way; but the seat in the end of the handle is conical, and, as soon as the valve rests in it from any cause, the passage becomes closed and the escape of the fluid prevented.

When it is desired to increase the number of burners, I attach branch fluid-tubes C C, which conduct the oil from the reservoir to the wick-tubes D D, and supply these with oxygen through the conduits E E, which, in turn, are fed by A.

This makes a very handsome lamp, the burners of which may be increased to any number.

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

In combination with the hollow handle A, having perforations a for the entrance of air to the fluid-chamber, the cut-off valve a^2 , arranged and operating as and for the purpose specified.

In testimony whereof I have hereunto set my hand this 14th day of May, 1873.

JOHN S. HULL.

Witnesses:

EDWARD BOYD,
ALONZO CAMERON.