(No Model.)

J. A. MARSH.

Reservoir for Vapor Stoves.

No. 234,880. **Patented Nov. 30, 1880.**

Fig. 1.

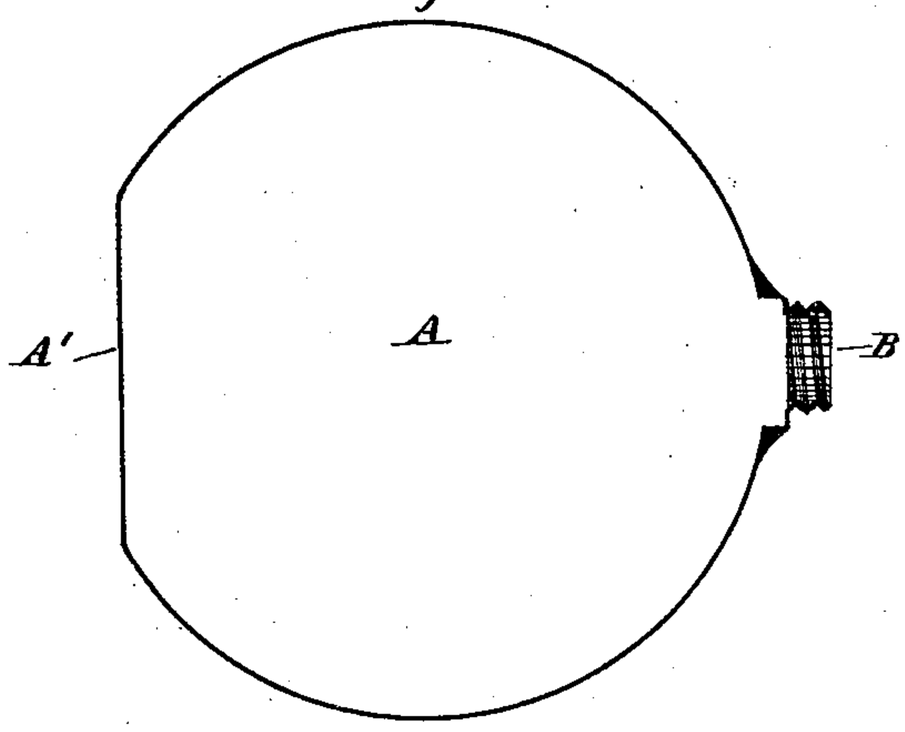

Fig. 2.

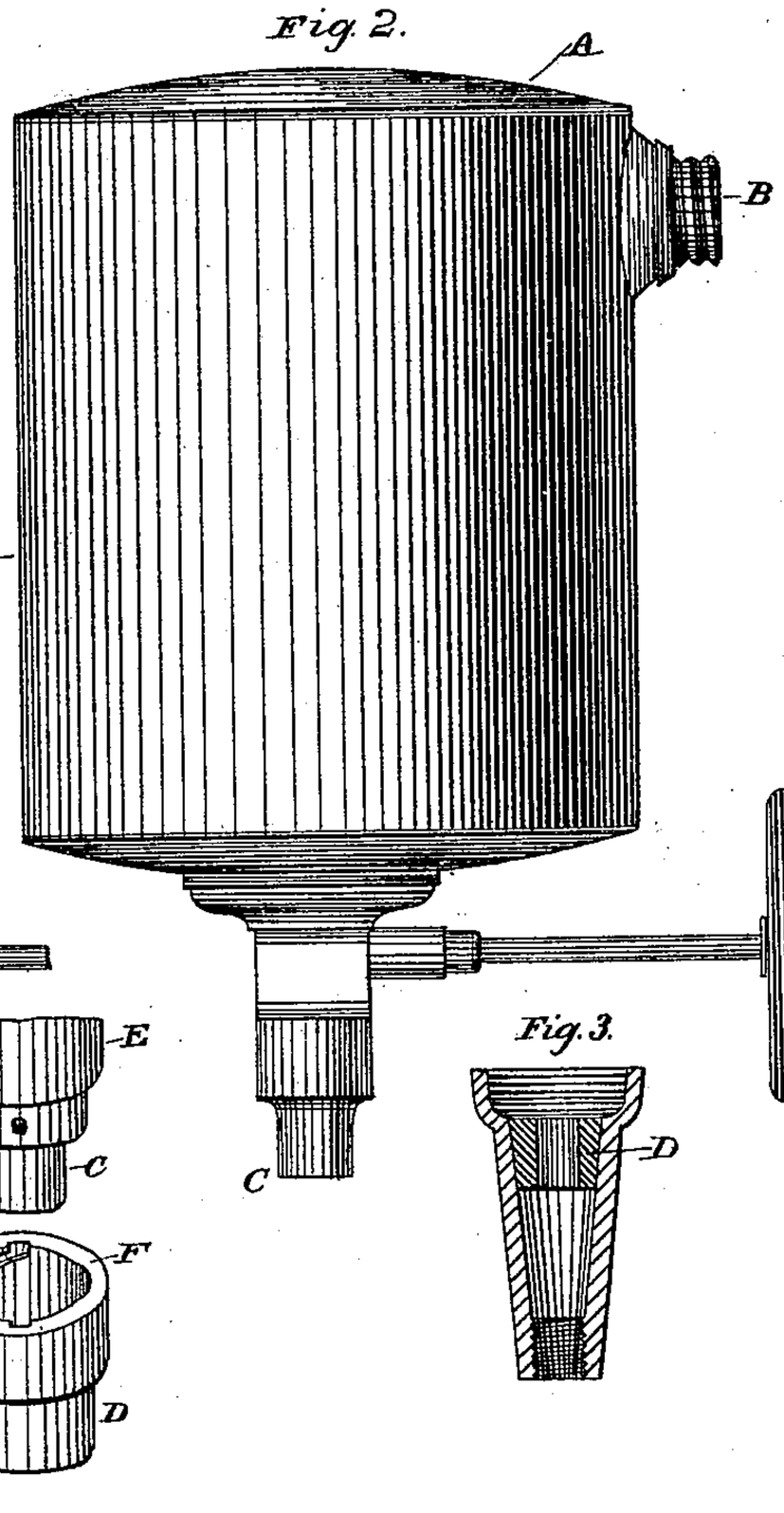

Fig. 6.

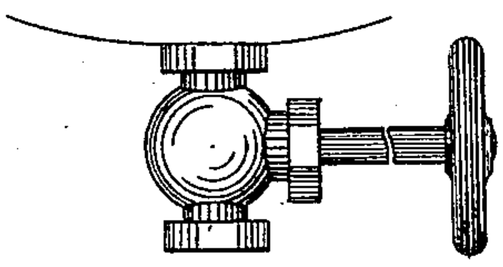

Fig. 5.

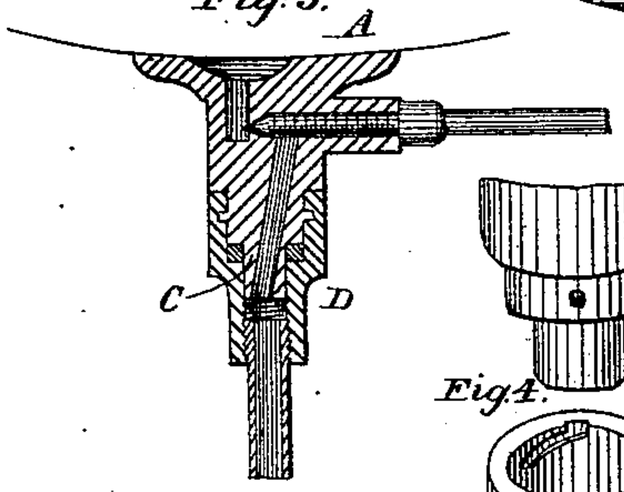

Fig. 4.

Fig. 3.

WITNESSES

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RESERVOIR FOR VAPOR-STOVES.

SPECIFICATION forming part of Letters Patent No. 234,880, dated November 30, 1880.

Application filed August 24, 1880. (No model.)

To all whom it may concern:

Be it known that I, JAMES A. MARSH, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Reservoirs for Vapor-Stoves; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to reservoirs adapted for use with vapor-stoves; and it consists in parts and combination of parts, as will more fully hereinafter appear.

The object of my invention is to supply a reservoir that will prevent the possibility of explosion during the operation of filling. It is a well-known fact that a large majority of the accidents which occur from the use of gasoline-stoves are occasioned by the operator attempting to fill the reservoir with gasoline or other highly-inflammable material while the stove is burning.

My reservoir is so constructed that it cannot be filled while attached to the stove, but must be wholly detached and removed.

In the drawings, Figure 1 is a plan view of a reservoir constructed according to my invention. Fig. 2 is a side elevation of the same. Fig. 3 is a vertical sectional view of a tube which may be attached to the stove, by means of which the reservoir is readily attached to or detached from the stove, while at the same time the connection is perfectly tight. Fig. 4 is another method of attaching the reservoir to the stove. Fig. 5 is a vertical sectional view of an improved valve which may be used in connection with my reservoir. Fig. 6 is a side elevation of an ordinary ball-valve that may be used in the same connection.

In the drawings, A represents the reservoir or container for holding gasoline or other fluid.

A′ is a flat portion of said reservoir, which is preferably upon the side opposite to the opening through which the reservoir is filled. B represents this opening, which is of the usual form and closed by means of a screw-cap.

In order to render my device useful it is necessary that some means should be employed by which it can be readily attached to and detached from the pipe leading to the burners of a stove. In the drawings, in Figs. 3 and 4, I show two means by which this may be accomplished. In Fig. 3 is shown a conical tube provided with rubber packing D, into which the tube C (shown in Fig. 2) may be inserted, or a bayonet-joint, as shown in Fig. 4, may be employed. It is also necessary that the passage-way between the reservoir and the burner should be closed by some suitable mechanism when the reservoir is detached from the stove. In Fig. 6 I show one means, which is the ordinary globe-valve. I, however, have discovered that a cheaper valve may be employed, which is shown in Fig. 5.

The operation of my device is as follows: The valve H is closed, the reservoir is detached from the stove and laid upon its flat portion A′ upon a table or other suitable place, when gasoline or other fluid is poured through the opening B. This opening B is then closed and the reservoir returned to the stove, the tube C inserted in its receptacle D, the valve H opened, when the gasoline or other fluid will pass to the burners.

It will be observed that the rigid tube C depends from the central portion of the bottom of the reservoir, and by its connection with rigid tube D of the vapor-stove the reservoir is maintained in position during use.

Having thus described my invention and its operation, what I claim is—

1. A reservoir adapted for use with vapor-stoves, provided with an opening through which it may be filled upon its side, in combination with a flat portion, A′, substantially as and for the purposes specified.

2. A reservoir adapted for use with vapor-stoves, provided with an opening through which it may be filled upon its side, in combination with a flat portion, A′, and valve H, substantially as and for the purposes specified.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JAMES A. MARSH.

Witnesses:

JNO. CROWELL, Jr.,

ALBERT E. LYNCH.