

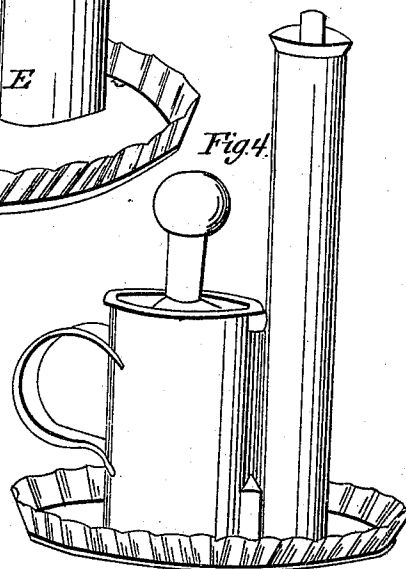
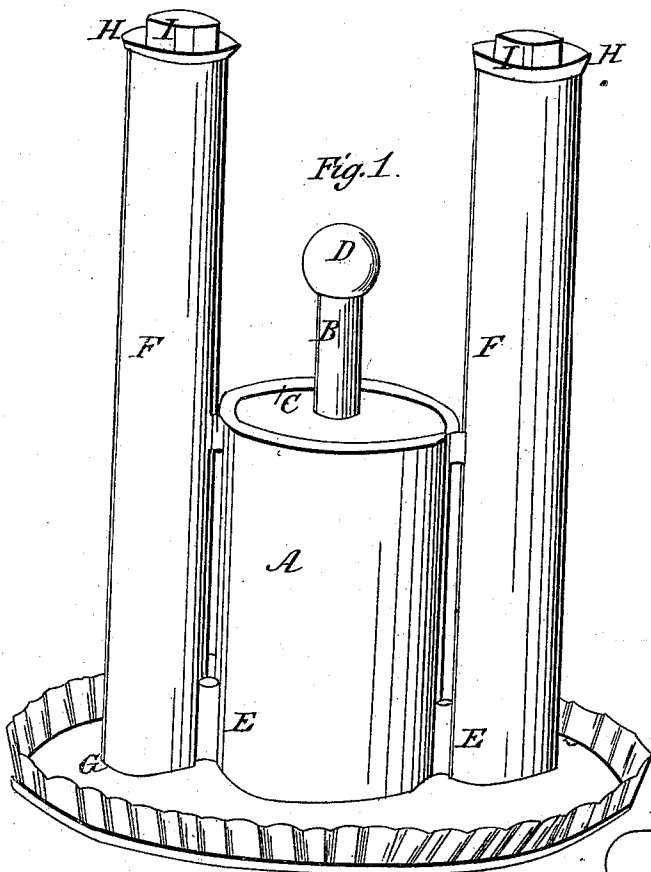
J. GRANNIS.

2 Sheets—Sheet 1.

Lamp.

No. 2,763.

Patented Aug. 25, 1842.



Witnesses.
A. Drake.
J. Kottlander.

Inventor.
John Grannis.

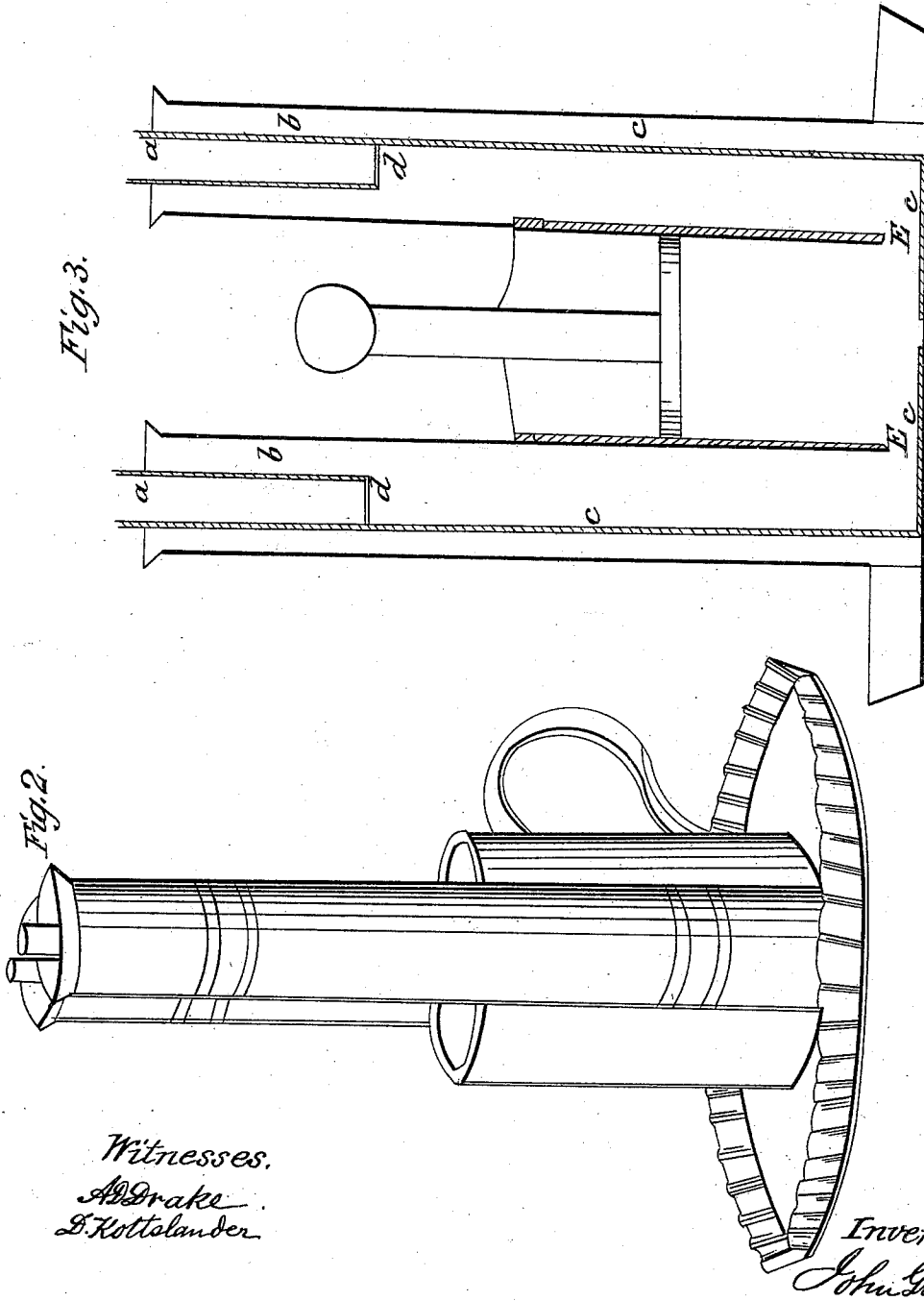
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UNITED STATES PATENT OFFICE.

JOHN GRANNIS, OF OBERLIN, OHIO.

CONSTRUCTION OF LARD-LAMPS.

Specification of Letters Patent No. 2,763, dated August 25, 1842.

To all whom it may concern:

Be it known that I, JOHN GRANNIS, of Oberlin, Lorain county, and State of Ohio, have invented an Improvement in Lamps for Burning Lard and Tallow; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings.

10 The lamp consists of a cylinder A. Figure 1. from three to four inches in length and from two to three inches in diameter, in which is placed a piston B. Fig. 1. made of tin plate and leather, or of any suitable metal. The cylinder is covered with a common cover, C. Fig. 1. through which a hole is made for the handle of a piston to play, on the top of which is placed a small ball D. Fig. 1. At the bottom of the cylinder is made one, two or more apertures E. Fig. 3. as the case may require. One, two, or more tubes F. Fig. 1. about one inch in diameter and from five to seven inches in length, through each of which an aperture is made to correspond with the aperture or apertures E. Fig. 3. in the cylinder A Fig. 1. are placed with the cylinder A. Fig. 1. in a common candlestick bottom G. Fig. 1. and are put together so as to form an aperture E. Fig. 1. between the cylinder and the tube: and the lamps may be made with one, two or more tubes. On the top of each tube F. Fig. 1. is placed a concave cap H Fig. 1. through which is inserted a flat tube I. Fig. 1 for the wick. This wick tube *a*. Fig. 3 is made of copper or other suitable metal, to the bottom of which may be attached a flat piece of copper or wire *c* Fig. 3, to extend from the wick tube, down to the bottom of the cylin-

der, passing through the aperture E Fig. 3. 40 A handle is placed on the side of the cylinder and a flat piece of tin is used for putting the wick in at the top of the wick tube I. Fig. 1.

This lamp is a combination of the best 45 principles of various other lamps in a convenient and a new form, combining the principles of warming the lard and tallow, and forcing the same into contact with the wick and blaze, and may be replenished with lard 50 by its own light and can be used in cold as well as warm weather.

Fig. 1 is a front view of a double lamp. Fig. 2 is an end view of a double lamp. Fig. 3 is an interior view of a double lamp. 55 Fig. 4 is a side view of a single lamp the interior arrangement of which is the same as a double lamp.

The wick tube is closed at the bottom *d*. Fig. 3, and open on one side *b*, Fig. 3, below 60 the cap, and on another side *e*. Fig. 3. above the cap, and is calculated to prevent the lard from throwing out the wick, and from being forced too freely through the cap, and its free admission to the wick by the longitudinal opening. 65

What I claim as my invention and desire to secure by Letters Patent, is—

The arrangement of the forcing pump, described in the foregoing specification, and its application in the construction and use 70 of lard lamps.

Oberlin Augt. 11th 1842.

JOHN GRANNIS.

Witnesses:

WM. H. PLUMB,
CHAS. H. PEIRCE.