

P. J. CLARK.

Lard Lamp.

No. 3,009.

Patented March 21, 1843.

Fig. 2

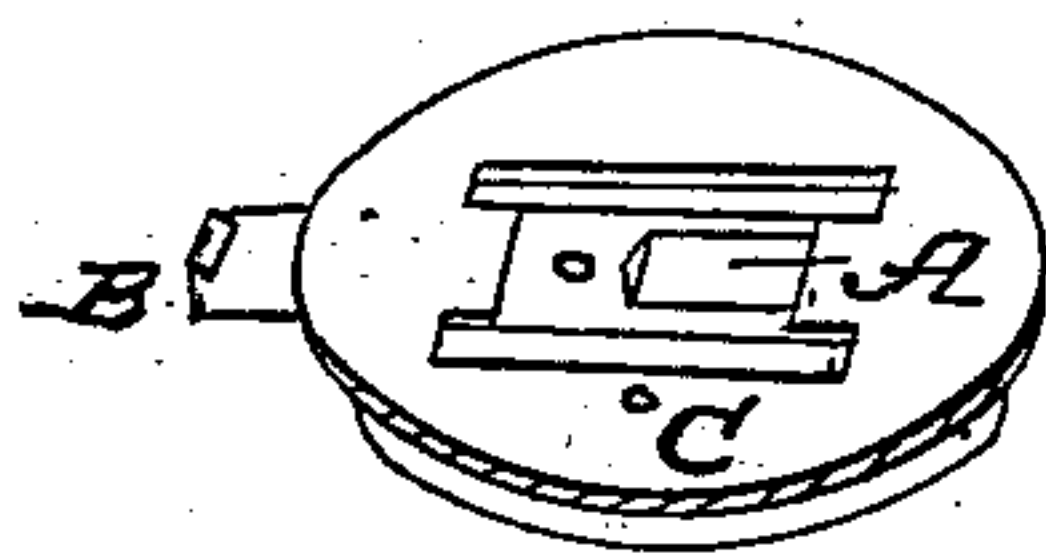
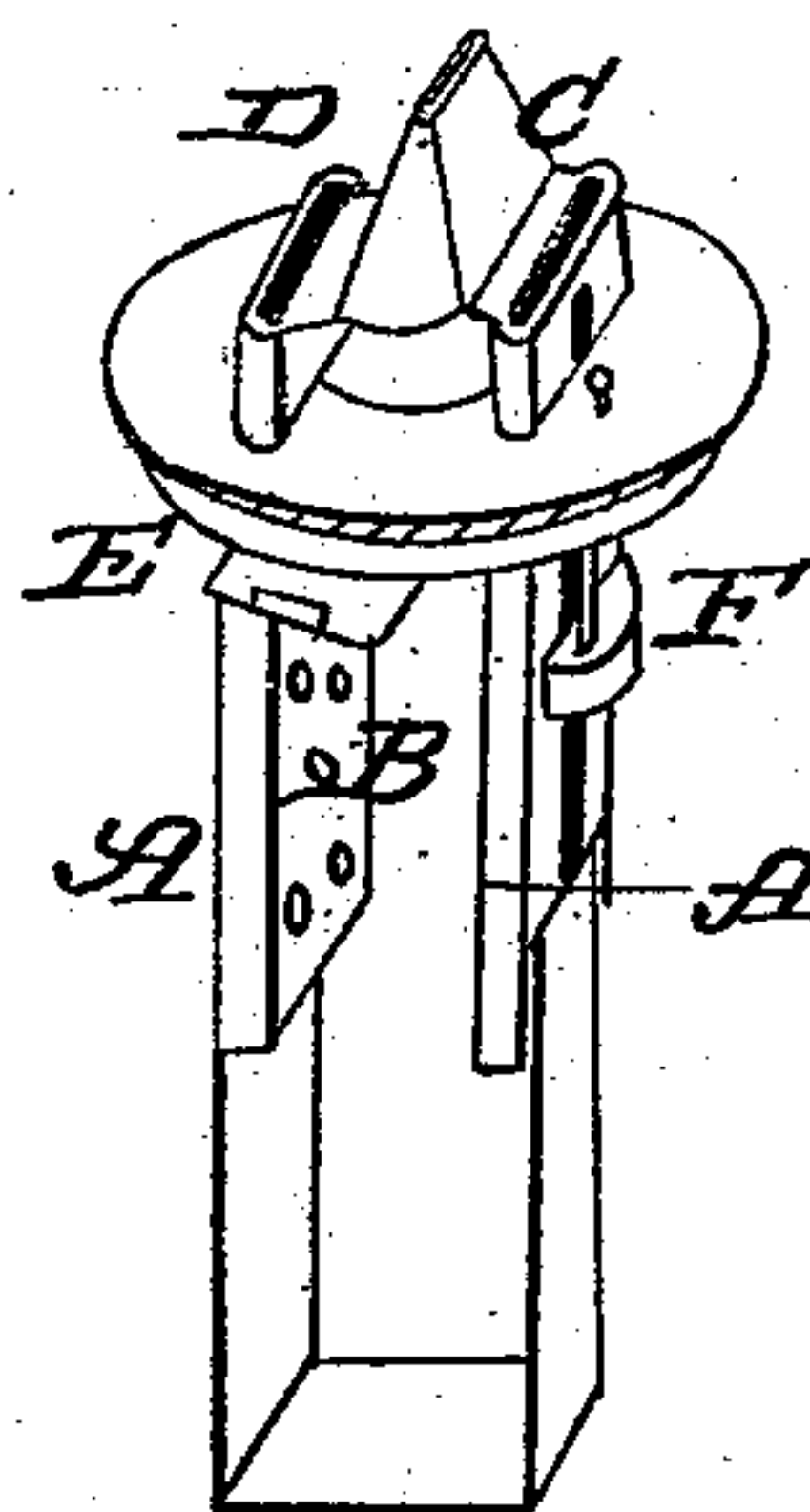


Fig. 1



UNITED STATES PATENT OFFICE.

PARTRICK J. CLARK, OF MERIDEN, CONNECTICUT.

LARD-LAMP.

Specification of Letters Patent No. 3,009, dated March 21, 1843.

To all whom it may concern:

Be it known that I, PARTRICK J. CLARK, of Meriden, in the county of New Haven and State of Connecticut, have invented new and useful Improvements in the Form and Construction of Lamps for Burning Lard and other Similar Substances.

The nature of my improvements consists in the mode of filling the lamp with neatness and despatch; and also in conducting the heat from the flame of the lamp by a metallic conductor to the mass of lard or other matter in the body of the lamp thereby producing and keeping it in a liquid state in a more perfect manner than by any means or method now in use.

To enable others skilled in the art to make and use my invention and improvements, 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 accompanying drawings, making a part of this specification, in and by which—

Figure 1 represents a lamp-screw with the improvements consisting of two flat copper tubes, A, A, for wicks perforated on the inside with holes as seen at B, for the more ready supply of the wicks, and slits on the outside to regulate them. These tubes are placed parallel to each other three-eighths of an inch apart in the top-screw, the inner side or plate of each tube rising about half an inch above the top of the tube and descending nearly to the bottom of the lamp, and there united. The parts rising above the flat tubes, as seen at, C, are inclined and brought together, forming a narrow tube as seen at D, leaving only a small opening for the escape of air.

Between the tubes I make an opening in the top for the convenience of filling as seen

Fig. 2, A, which is covered by a slide, passing through the rim of the screw top as seen Fig. 1, E, and in Fig. 2, B. This slide is made fast when closed in place by the screw. Near the outer side of one of the tubes, I place a gage consisting of a small piece of cork attached to a wire about an inch long headed, and passing loosely through the top so as to rise and fall with the oil or melted lard when near the top, as seen in Fig. 1, at F, and Fig. 2, 6.

The operation and advantages of the improved lamp are, 1st, in filling the lamp with melted lard or other material, through the opening between the tubes, by removing the slide and watching the rise of gage but without removing the wick tubes or the top; and done without waste and with neatness and expedition; 2d, the wick-tubes being made of copper, the best metallic conductor of heat, and raised so as to be brought under the influence of the flame and thereby heated and forming oxygen gas will more readily and more effectually diffuse the heat and thereby supply the wicks with liquid matter, than by any mode now in use and the utility of lamps for burning lard, may be thereby extended to coarser materials of the kind, when free from salt or other impurities.

I claim as my invention and improvement—

The gage for the purpose of filling as above described, and the arrangement of the aperture for feeding that is to say the aperture to be closed by the slide as set forth, under the heater in the manner and for the purpose described.

PARTRICK J. CLARK.

Witnesses:

SIMEON BALDWIN,
JOHN S. RICE.