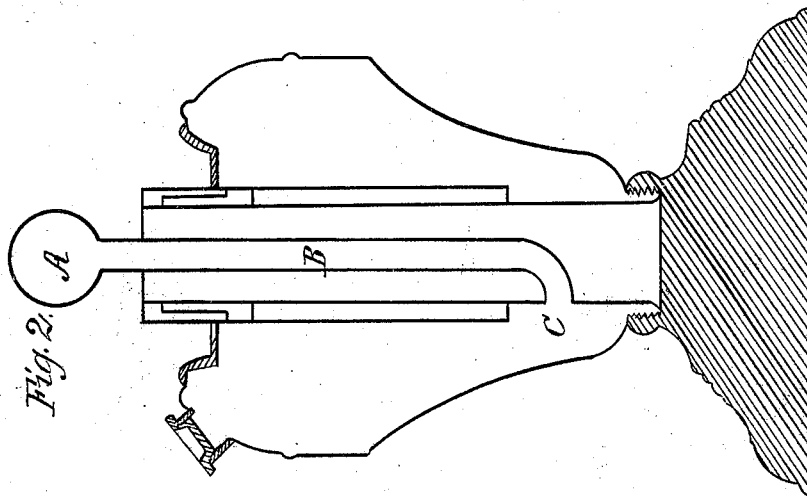
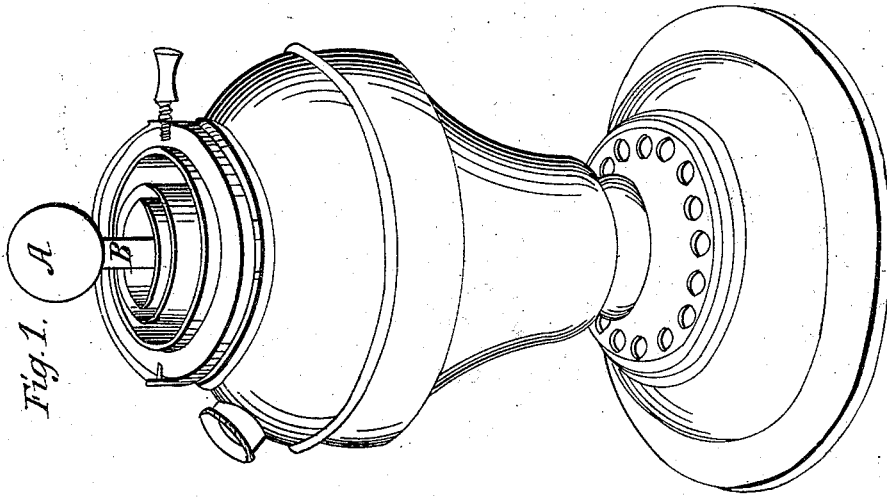


E. S. ARCHER.

Lamp.

No. 2,671.

Patented June 18, 1842.



UNITED STATES PATENT OFFICE.

ELLIS S. ARCHER, OF PHILADELPHIA, PENNSYLVANIA.

LARD-LAMP.

Specification of Letters Patent No. 2,671, dated June 18, 1842.

To all whom it may concern:

Be it known that I, ELLIS S. ARCHER, of the city and county of Philadelphia and State of Pennsylvania, have invented a new and useful Improvement in Lamps for Adapting Them to Burn Lard and other Concrete Substances, which is described as follows, reference being had to the annexed drawings of the same making part of this specification, of which—

Figure 1 is a perspective view of the lamp. Fig. 2 is a vertical section of the same.

The main body of the lamp is made in the usual manner.

The improvement consists in combining with the lamp an inverted tube B open at one end and closed at the other for melting the lard, wax, spermaceti, or other concrete substances put into the receiver instead of the oil for producing the light, the closed end of said tube being formed into a hollow button A which serves the double purpose of impinging the air against the flame and as a conductor of heat, being composed of copper or other suitable material for that purpose, the open or lower end being turned horizontally and passed through the inner tube into the receiver C, the aforesaid tube B being kept filled with the lard or other combustible substance for the purpose of excluding the air therefrom and serving as a conductor of heat for melting the main body of the lard &c., in the receiver instead of having a column of air in the tube as in Carr's lamp for burning lard.

The hollow button or ball A may be made of any required size and shape. The tube B connected with the button or ball should reach nearly to the bottom of the chamber or receiver C of the lamp where it is inserted and made fast and should be sufficiently extended for the purpose of keeping the lard &c. in a liquid and heated state for producing a brilliant light. The tubes are made of various shapes and sizes and suit any kind of lamps and may be used with or without balls or buttons on the top or upper end, but they must be closed at the top. One, two, or more tubes may be applied to a lamp and may be heated at the side, center or other place or over the flame so as to be used on any of the common lamps. The tube B and button or ball A may be first filled in order to exclude the air previous to being soldered into the body of the lamp.

I do not claim to be the original inventor of a tube placed in the center of the lamp as this has heretofore been done; but

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

The combination of the hollow button A connected with the tube B to be filled with lard and these with the common Argand lamp C in the manner and for the purpose set forth.

ELLIS S. ARCHER.

Witnesses:

WM. P. ELLIOT,
S. M. CHARLES.