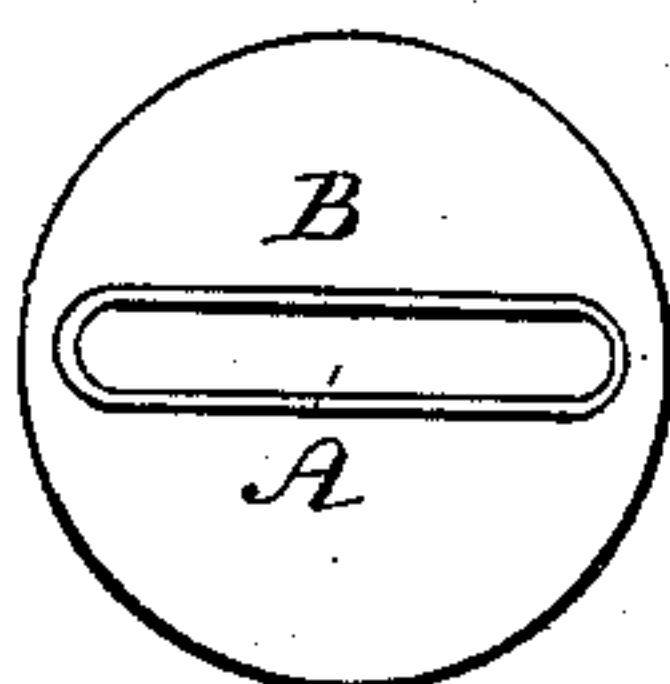
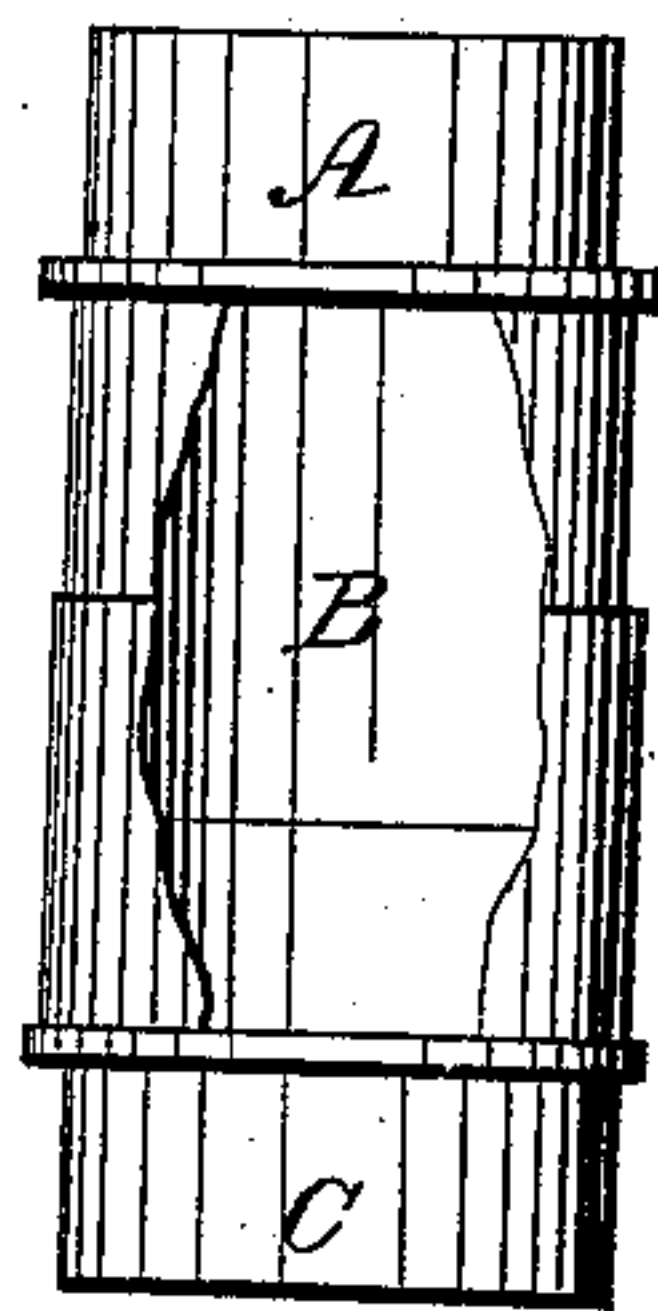


J. HUBBARD.

Lamp Burner.

No. 93,442.

Patented Aug. 10, 1869.



Attest:
H. F. Oberts.
Jas. I. Day.

Inventor
Julius Hubbard
Per Attorney
Thos S. Sprague!

United States Patent Office.

JULIUS HUBBARD, OF DAYTON, OHIO.

Letters Patent No. 93,442, dated August 10, 1869.

IMPROVEMENT IN LAMP-BURNERS.

The Schedule referred to in these Letters Patent and making part of the same.

To whom it may concern :

Be it known that I, JULIUS HUBBARD, of Dayton, in the county of Montgomery, and State of Ohio, have invented a new and useful Improvement in Wick-Tubes for Lamps for burning carbon-oils ; and I do declare that the following is a true and accurate description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, and being a part of this specification.

The nature of this invention relates to an improvement in the construction of wick-tubes for lamps used in burning carbon-oils, and consists in making such wick-tube in two sections, each of which is secured to and projects from a chamber, within which to place common salt, which, as the wick passes through said chamber, is brought into contact with said wick, and partially dissolved by the oil passing up said wick, thereby producing a chemical change in said oil, and rendering the same less explosive, while, at the same time, the light produced will be more brilliant.

A, in the drawings, represents the upper part of a wick-tube, which is inserted just through the top of the chamber B ; and

C is the lower end of said wick-tube, similarly inserted, and secured to the bottom of said chamber.

This chamber is designed to be filled with common salt, for the purposes hereinbefore described.

The wick should be inserted through the tube and chamber, (care being taken in the construction not to allow the ends of the tube to project into the interior of the chamber,) which should then be filled with salt, and the whole placed in a lamp, as tubes and wicks are usually operated.

The chamber may be made of any desired form, and must be so arranged that the salt may be easily placed therein.

I do not regard the employment of common salt, or its equivalent, in lamps using my wick-tube, as my invention, and hereby disclaim the same.

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

The arrangement of the top A, the bottom C, the chamber B, and any proper wick passing through these parts into the oil of a lamp, and surrounded with salt in the chamber B.

JULIUS HUBBARD.

Witnesses :

J. C. STALEY,
THOS. D. MITCHELL.