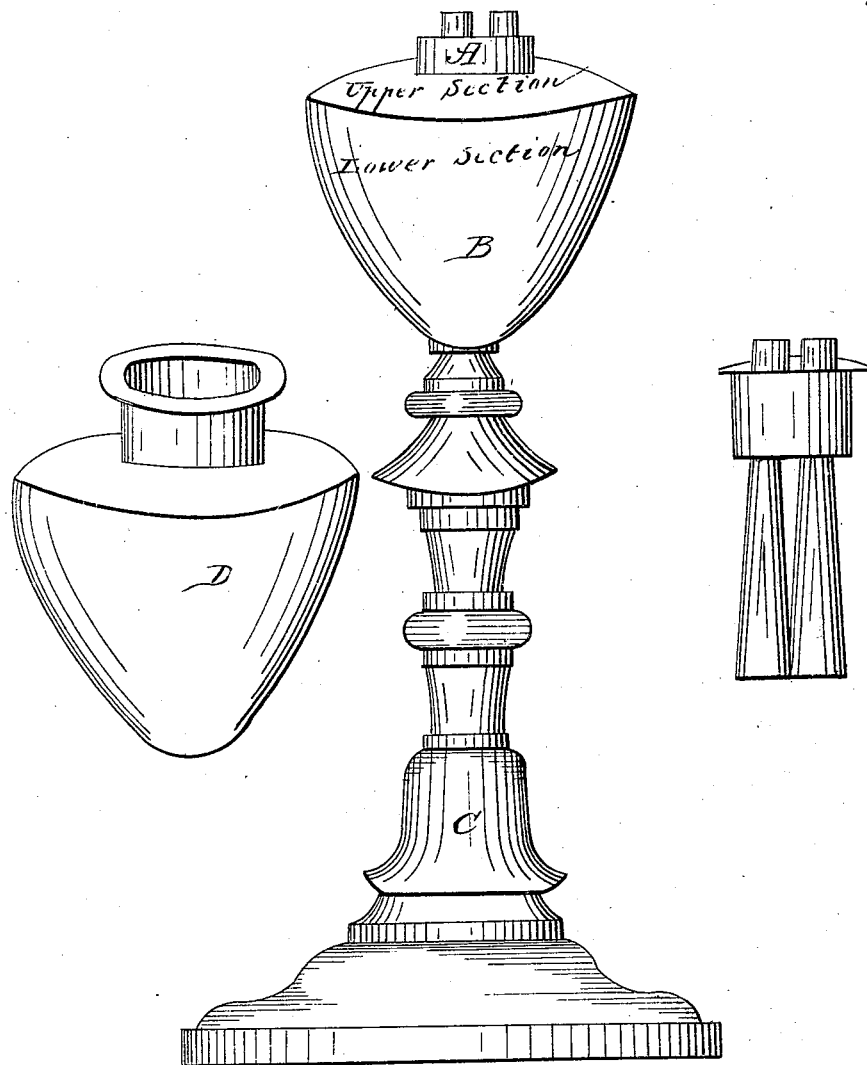


J. STREET.

Lamp.

No. 4,489.

Patented May 2, 1846.



# UNITED STATES PATENT OFFICE.

JNO. STREET, OF PHILADELPHIA, PENNSYLVANIA.

## IMPROVEMENT IN LAMPS.

Specification forming part of Letters Patent No. 4,489, dated May 2, 1846.

### *To all whom it may concern:*

Be it known that I, JOHN STREET, of the Northern Liberties, city and county of Philadelphia, in the State of Pennsylvania, have invented a new and Improved Lamp for procuring light by the combustion of lard and oils adapted to such use; and I hereby declare that the following is a full and exact description thereof.

The base or foot and stock on which the bowl to hold the fuel for said lamp rests, together with the outside of said bowl, are made of any kind of wood and of any desirable form and size, the said outside being made in two pieces or sections, horizontally at its widest diameter or part, and then joined together by screws cut therein, by cement, or otherwise, over the metallic lining (marked D in the annexed drawing) or bowl, and so as to fit the said metallic bowl or lining exactly in size and shape; and when so fitted and joined any lamp-top furnished with tubes or other wick-holders such as are in common use may be fastened into it by sufficient pressure, as a cork in a bottle, or in any other mode to which the material of which the said metallic bowl or lining may be adapted and suitable, such as screws, a spring, &c. The said metallic lining is made to fit the outward wooden bowl exactly. Any metallic composition will answer, either sheet metal, cut, molded, and soldered, or cast in a mold or matrix of any dimensions and figure preferred by the maker, but so thin as to be light and cheap, and so that the upper rim of it may be folded over the brim of the outside or wooden part of the

bowl, which is marked A in the annexed drawings. The said upper section, A, may be dispensed with, if desired, provided the said lining be fastened into the lower section, marked B.

The base and stock or stand C and the bowl or fuel-holder (marked A and B in the accompanying drawing) may be made in as many separate pieces and joined together by screws or any other way the manufacturer deems most expeditious or economical in making up his materials, as taste and fancy may suggest. Wood, being permeable to oil, would not answer the purpose without the said metallic inner lining, which, heated by the blaze at the top, aids materially in rendering and keeping the lard or other fuel fluid, and the wood surrounding it being a bad conductor of heat, very little is lost. Thus the fluidity is caused by less heat than in lamps of metal, glass, or other more efficient conductors of heat.

Thus is made a most efficient lard-lamp, singularly cheap, economical, and convenient, not easily broken, heated, or cooled, so as to be uncomfortable to hold in the hand.

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

The manner of constructing the lamp by making the stand and base of wood and the bowl of wood lined with metal, as described in the specification and drawing.

JOHN STREET.

Witnesses:

WILLIAM FOERING,  
J. MITCHELL.