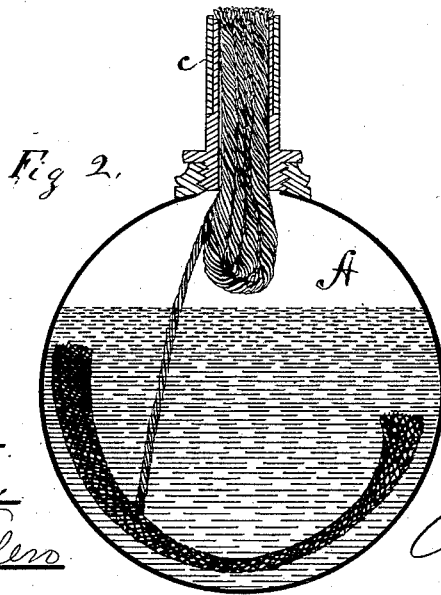
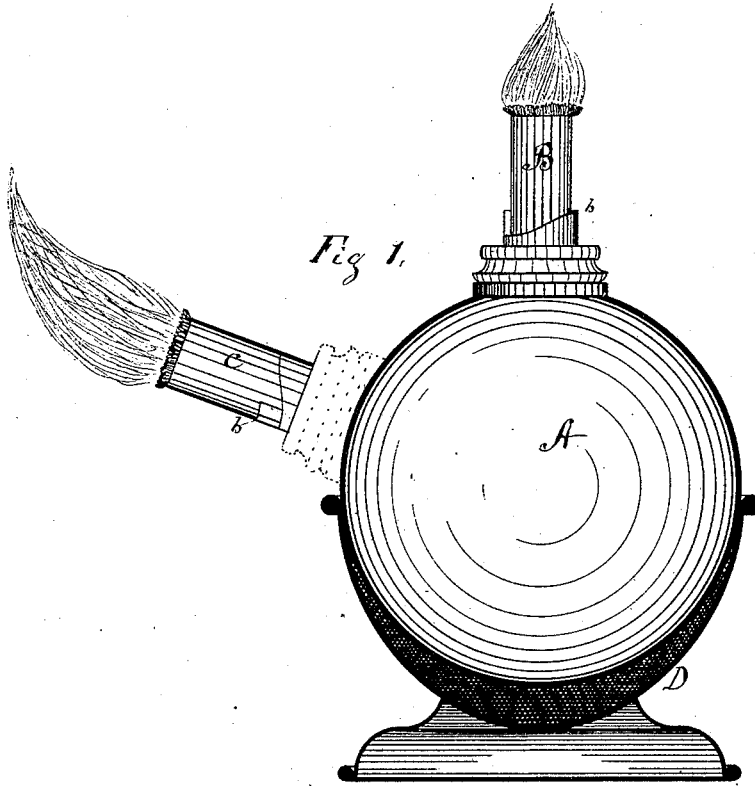


J. H. PURDY.
Lamp.

No. 232,206.

Patented Sept. 14, 1880.



Witnesses.
Thos. B. Jeffery
Felix J. Griffers

Inventor.
John H. Purdy

UNITED STATES PATENT OFFICE.

JOHN H. PURDY, OF CHICAGO, ILLINOIS.

LAMP.

SPECIFICATION forming part of Letters Patent No. 232,206, dated September 14, 1880.

Application filed February 20, 1880.

To all whom it may concern:

Be it known that I, JOHN H. PURDY, of Chicago, in the State of Illinois, have invented a new and useful Improvement in Lamps, of which the following is a specification.

The object of my invention is to provide a ready means of inclining the burner to any desired angle for jewelers' use in soldering, so that it may be readily turned forward while being employed, and placed in an upright position when not required, and thereby, also, to provide an improved means of adjusting the size of the flame.

The invention consists in the form of the lamp-body and base that supports it.

In the accompanying drawings, Figure 2 represents a section of the lamp, and Fig. 1 an elevation of the body and base.

The body A is made spherical in form, from which rises a tube, B, containing the wick. This tube is surrounded by another tube, c, having a device for raising it, the object of which is to reduce or enlarge the flame as desired, and regulate the consumption of fluid. The size of flame is also regulated by the position of the lamp, for when inclined so that the burner is nearly horizontal, as it will be when in use, the burning-fluid will run to the lighted end of the wick more readily than when in the upright position. This feature is still further improved by making the wick short, so that the alcohol will not reach the

wick when the burner is vertical except by means of a thread-like portion, which will supply only enough fluid to keep the lamp-flame from going out.

To support the lamp at any suitable angle I make the body A in the form of a globe, and use a base or stand, D, having a cup formed at its upper portion, the diameter of which is similar to that of the lamp-body. This makes a simple and convenient support, and allows the desired angular movement of the lamp to be made.

A device for reducing the size of the flame is shown at C, which is a tube made to fit on the burner B. The tube C has a tooth or teeth formed on its lower end, forming circular inclines *b*, to turn on similar inclines placed at the bottom of the burner B. This device is so arranged that by turning the tube C to the right or left it is raised or lowered by sliding on the teeth at *b*, which exposes more or less of the wick and graduates the size of the flame.

I claim as my invention—

A lamp having a spherical body, in combination with a cup-shaped socket or base in which it can freely turn, substantially as and for the purpose described.

JOHN H. PURDY.

Witnesses:

THOS. B. JEFFERY,
FELIX J. GRIFFEN.