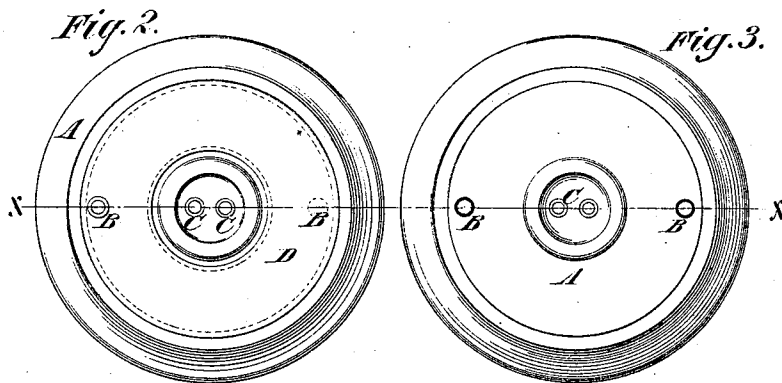
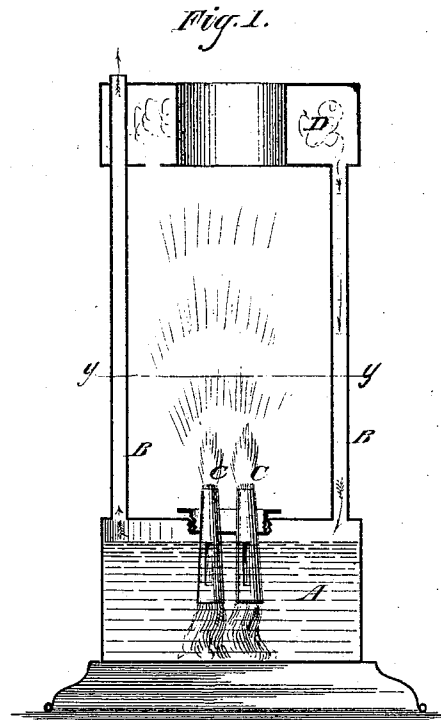


J. ROEMER.
LARD OIL LAMP.

No. 181,722.

Patented Aug. 29, 1876.



WITNESSES:
John Goethals
Alfred Lurcott

INVENTOR:
J. Roemer
BY *Wm. J. L.*
ATTORNEYS.

UNITED STATES PATENT OFFICE

JOHN ROEMER, OF CHAMPION, MICHIGAN.

IMPROVEMENT IN LARD-OIL LAMPS.

Specification forming part of Letters Patent No. **181,722**, dated August 29, 1876; application filed February 14, 1876.

To all whom it may concern:

Be it known that I, JOHN ROEMER, of Champion, in the county of Marquette and State of Michigan, have invented a new and Improved Lard-Oil Lamp, of which the following is a specification:

My invention consists of pipes for receiving the heat of the flame, and conducting it down into the oil-chamber for warming the oil; the object being to make lard-oil lanterns capable of use in very cold weather. I prefer to mount a hollow drum on the pipes over the flame for obtaining the heat; but good results are obtained without the drum.

Figure 1 is a sectional elevation of my improved lantern with a drum mounted on the pipes. Fig. 2 is a top view, and Fig. 3 is a horizontal section taken on the line *y y* of Fig. 1.

Similar letters of reference indicate corresponding parts.

A is the oil-chamber of the lamp, from which two pipes, B, of copper or other good heat-conducting metal, extend up a suitable distance above the burners C, and have a drum,

D, mounted on them, as shown; or they may bend over, so that the upper ends terminate directly over the flame, opening downward, so as to receive currents of hot air, and conduct the heat down into the oil-chamber, to keep the oil in a fluid state.

When the drum is used I prefer to connect one pipe with the interior of the drum, and arrange the other to pass up through it, so that, by having an opening into the drum, a current will be established down one pipe and up the other.

I am aware that it is not new to provide a lamp with a tube having funnel-mouth over the burner, and extending through the oil; but

What I claim is—

The combination, in a lard-oil lamp, of the drum D and oil-chamber A, connected by heat-conducting air-pipes B, substantially as and for the purpose specified.

JOHN ROEMER.

Witnesses:

J. D. LOONEY,
J. P. MONDLOCH.