

A. HARROUN, Jr.
Lamp Burner.

No. 52,711.

Patented Feb. 20, 1866.

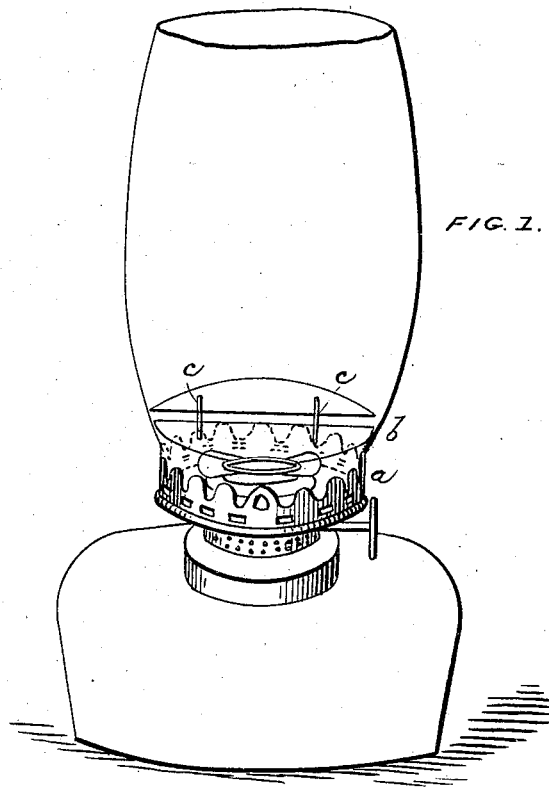


FIG. 1.

FIG. 2.

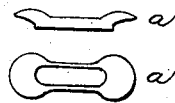
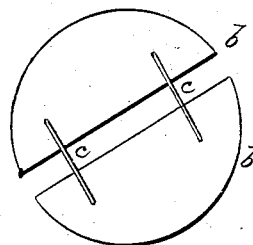


FIG. 3.



INVENTOR.

WITNESSES:

N. B. Smith
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UNITED STATES PATENT OFFICE.

ALEXANDER HARROUN, JR., OF ONONDAGA, NEW YORK.

IMPROVEMENT IN LAMPS.

Specification forming part of Letters Patent No. 52,711, dated February 20, 1866.

To all whom it may concern:

Be it known that I, ALEXANDER HARROUN, Jr., of the town of Onondaga, in the county of Onondaga and State of New York, have invented certain new and useful Improvements in Lamps; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

The same letters represent corresponding parts in the different figures.

Figure 1 represents a side view of a lamp with the improvements on, ready for use. Fig. 2 represents the regulator of the blaze—a side and open view. Fig. 3 represents the cap used to confine and bring the air in contact with the blaze.

I make the regulator *a* of any kind of suitable metal, and in the form designated, with the opening so made as to exactly fit and slip on the lamp-tube.

I make the cap *b b* of mica, so as to be transparent, and in two parts, held together by the clasps *c c*. By being made in two parts, as described, they can be brought together by a side motion and readily inserted in the tube.

What I claim as my invention is—

The regulator *a a*, in combination with the mica cap *b b*.

ALEXANDER HARROUN, Jr.

Witnesses:

N. B. SMITH,

D. C. MARKHAM.