

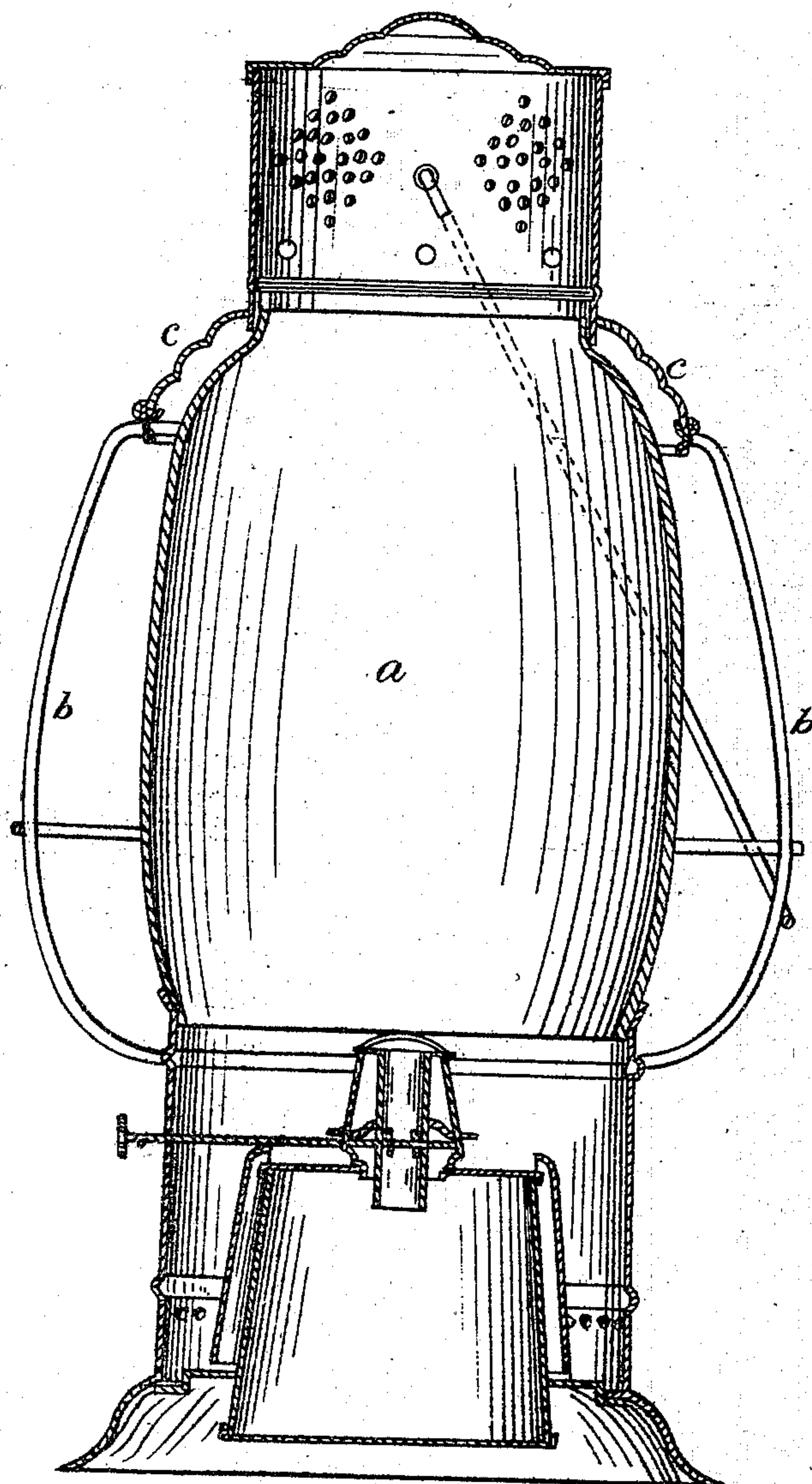
L. F. Belts.

Lantern.

N^o 71444

Patented Nov. 26, 1867.

Fig. 1.



Witnesses:

J. Smith
H. E. Jones

Inventor:

Lewis F. Belts
by Atty. T. P. Everett

L. F. Betts.
Lantern.

Nº 71444

Patented Nov. 26, 1867.

Fig. 2.

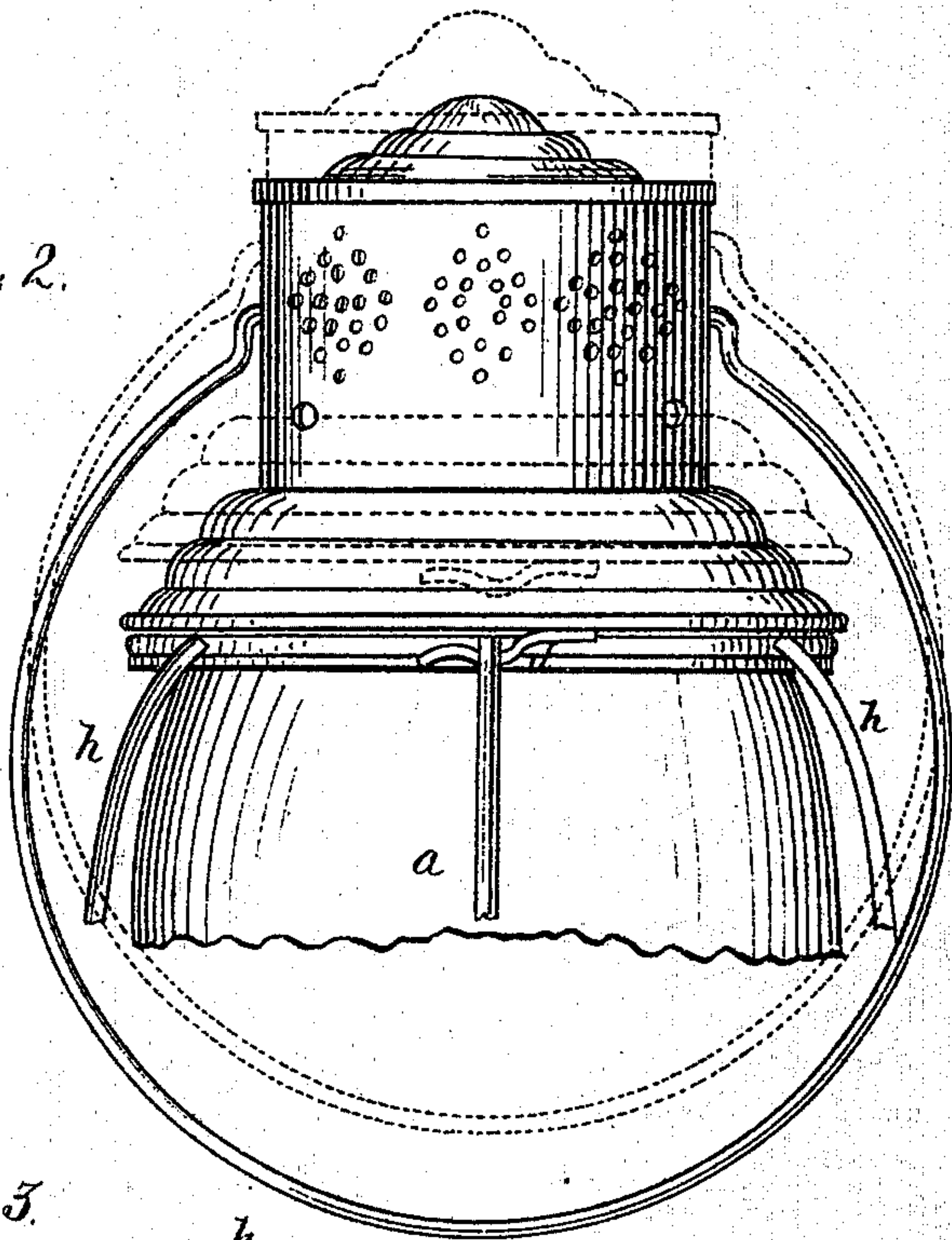
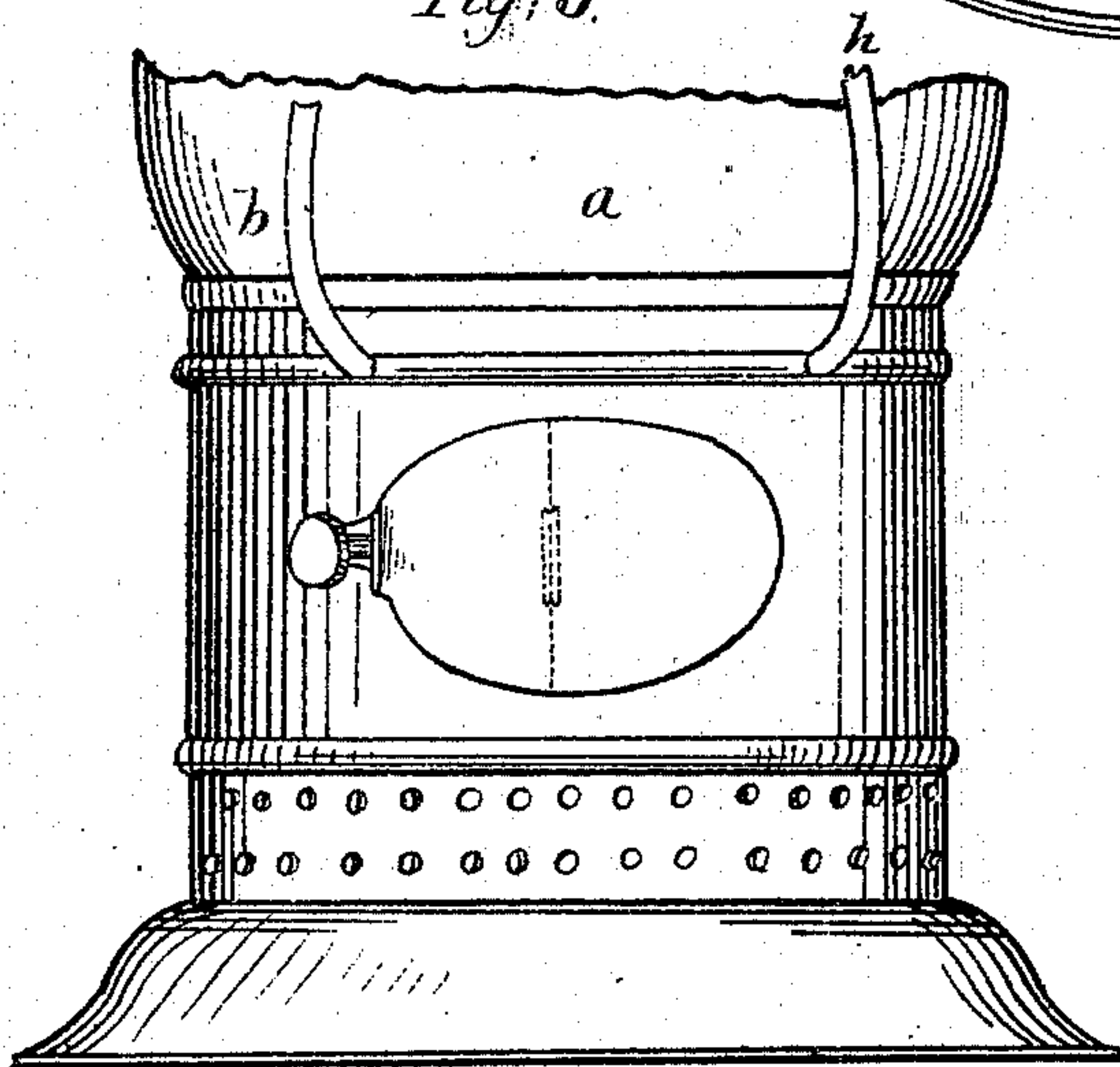


Fig. 3.



Witnesses:

J. Smith
L. E. Jones

Inventor:

Lewis F. Betts
by Atty D. Everett

United States Patent Office.

LEWIS F. BETTS, OF NEW YORK, N. Y.

Letters Patent No. 71,444, dated November 26, 1867.

IMPROVEMENT IN LANTERNS.

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

TO ALL WHOM IT MAY CONCERN:

Be it known that I, LEWIS F. BETTS, of the city of New York, in the State of New York, have invented a certain new and useful Improvement on Lanterns; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings and to the letters and marks thereon, which said drawings form part of this specification, and exhibit my improvement as a part of the lantern shown—

Figure 1 being a view, by vertical section, of such lantern,
Figure 2 being a view of the upper third of the lantern, and
Figure 3 a view of the lower third thereof.

In each of these figures, where like parts are shown, like letters and marks are used to indicate the parts.

My improvement is here shown applied to a lantern, the globe *a* of which is detachable, and is of the usual height. The guard *b* is shorter than is usual, and, instead of the top part of the guard being connected to the bottom part of the dome, it will be seen that it is connected to a conical downward extension, *c*, which, while it forms a covering or shield to the globe, also is a reflector. The bottom of this extension *c* is connected to the upper part of the guard by spring-catches *d*.

This construction and arrangement of the parts enable me to make a lantern, with the loose or detachable, globe of the usual height, with shorter guards than usual, and yet prevent the top from being unduly heated, while the light will be thrown more downward, through as small part of the globe as is possible. The guard being from one to two inches shorter than the globe, allows space for the extension piece, to give protection to the globe, and also deflect the light downwards; and, by fastening the deflector with spring-catches, under the shoulder of the upright pieces of the guard, a strong connection is made, which affords very easy and ready affixing or removal of the dome from the guard. The lower part of the guard is affixed to the bottom piece of the lantern, so that, when the extension piece is detached from the guard, the globe may readily be removed.

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

1. Connecting the dome of the lantern with the guards by the intermediate extension piece *c*, substantially as recited.

2. Having a conical reflector extending down over the upper portion of the globe, substantially as set forth.

This specification signed this 28th day of February, 1867.

LEWIS F. BETTS.

Witnesses:

WM. UNDERHILL,
J. MORRISON.