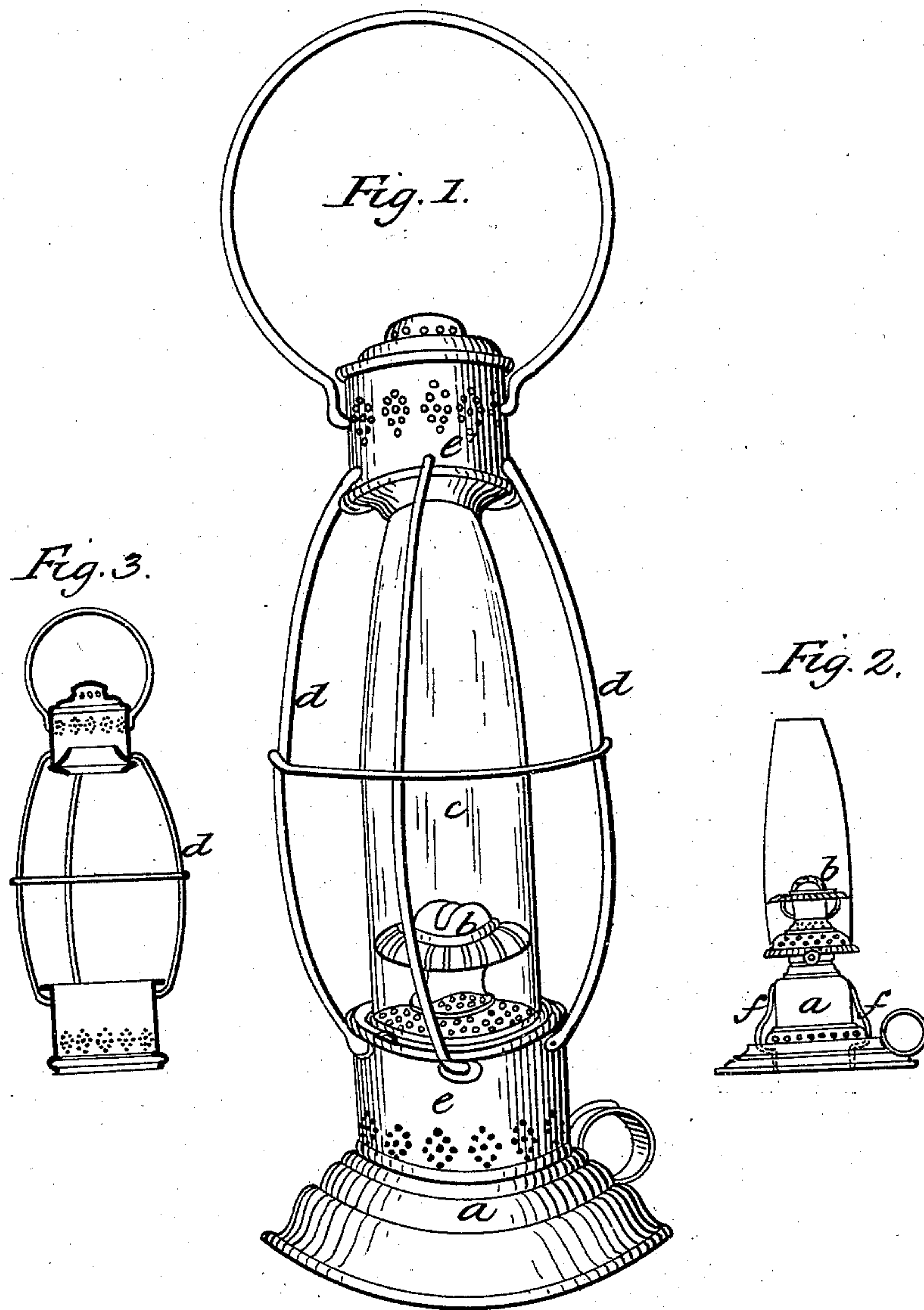


J. CALDWELL.

Lantern.

No. 74,988.

Patented March 3, 1868.



Witnesses:
M. S. & Wilde
E. L. Dyer

Inventor:
John Caldwell
by J. H. Adams
Att'y -

United States Patent Office.

JOHN CALDWELL, OF PROVIDENCE, RHODE ISLAND.

Letters Patent No. 74,988, dated March 3, 1868.

IMPROVEMENT IN LANTERNS.

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

Be it known that I, JOHN CALDWELL, of Providence, in the county of Providence, and State of Rhode Island, have invented a new and improved Combined Lamp and Lantern, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 represents a perspective view of my combined lamp and lantern.

Figure 2 is a vertical transverse section of the same on a reduced scale; and

Figure 3 is a section of the lantern-frame.

The nature of my invention consists in so constructing and adapting a lantern-frame that it can be readily applied to a fluid-burning lamp, and so that the chimney of the lamp will serve as the glass for the lantern.

My invention is shown as particularly applied to what is known as the "sun-burner lamp," although it may be equally applicable to other lamps, where a similar form of chimney to that shown is used, the same being made cylindrical for a greater portion of its length, and tapering at the top.

Referring to the drawings, *a* represents a lamp provided with a burner, *b*, of the kind known as the "sun-burner." *c* is the glass chimney, which is of a cylindrical shape for a great portion of its length, and tapers off at the top. *e e' d* represent the several parts of a lantern-frame. The lower portion, consisting of the casing *e*, fits over the lamp, and is secured to the same by means of springs or catches *f*, as shown in fig. 2, or in any other suitable manner, so that it can be readily attached to and detached from the lamp. The upper portion, *e'*, of the lantern-frame fits snugly over the top of the chimney *c*, and is provided, on its inner side, with a circular concave frame, *e*, as shown in fig. 3, and formed of thin sheet metal, having slits cut around its sides, so as to form springs, which fit over the top of the chimney, and, adapting themselves to the varying sizes of the chimneys, serve to hold the same securely in position. The means of attachment may be very readily adapted to the lamp or the lantern-frame, and the lamp itself can be used in the ordinary manner.

The frame, consisting of the portions *e e' d*, may be put away, except when required for use. When a lantern is required, the frame can at once be fitted upon the lamp, and the glass, being already provided, an excellent, convenient, and portable lantern is at once produced.

The upper portion, *e'*, of the lantern-frame is so constructed as to prevent any direct downward draught, while allowing of a free escape for the smoke or products of combustion.

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

The combination of a lantern-frame, *e e' d*, constructed as described, with a lamp, *a*, and chimney, *c*, in such a manner that the frame may be readily fitted to the lamp, and the chimney will form the glass of the lantern, substantially as set forth.

In testimony whereof, I have signed my name to this specification in the presence of two subscribing witnesses.

JOHN CALDWELL.

Witnesses:

J. H. ADAMS,

M. S. G. WILDE.