

W. PORTER, Sr., & W. PORTER, Jr.

Lantern.

No. 93,226.

Patented Aug. 3, 1869.

Fig: 1.

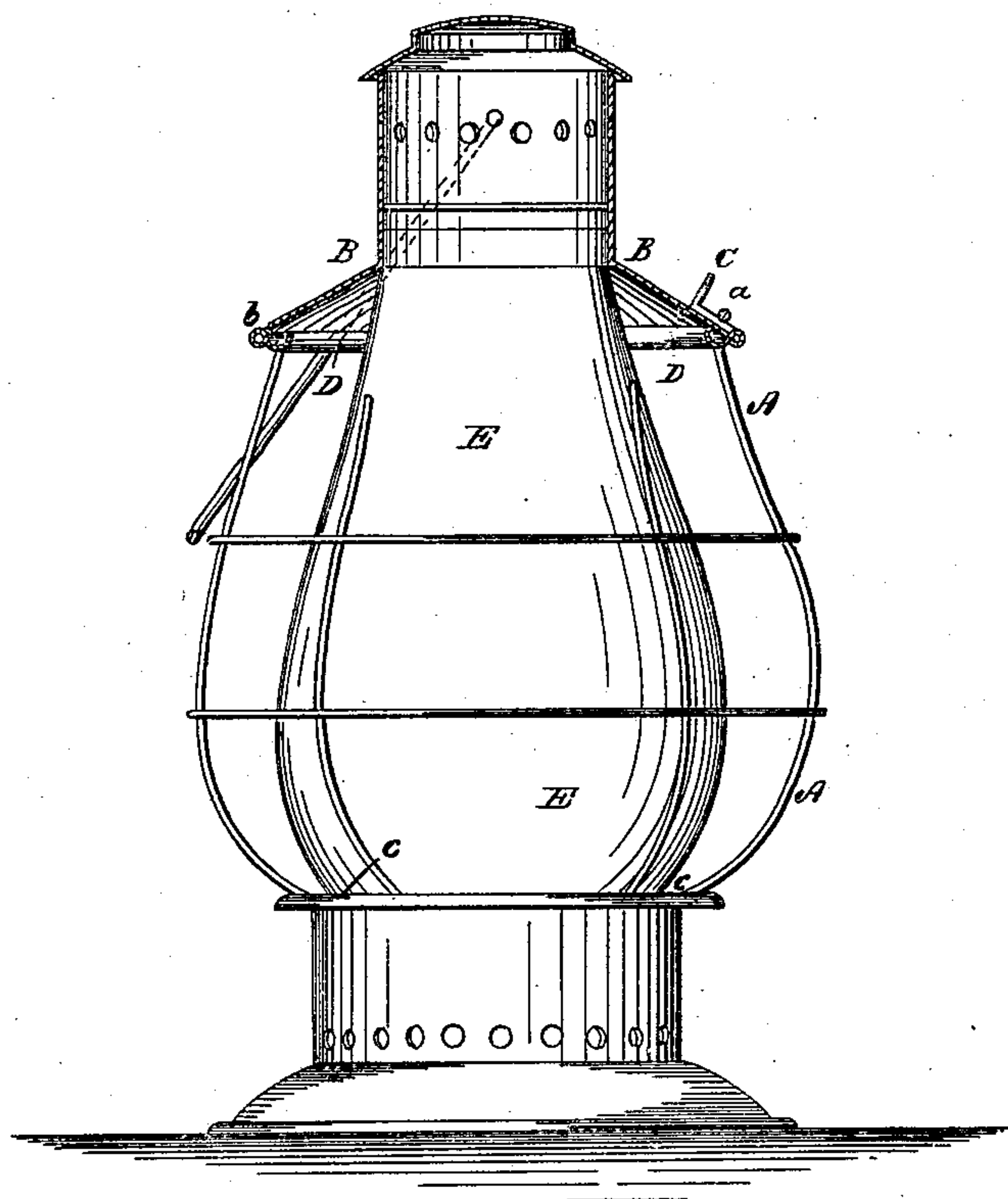


Fig: 2.

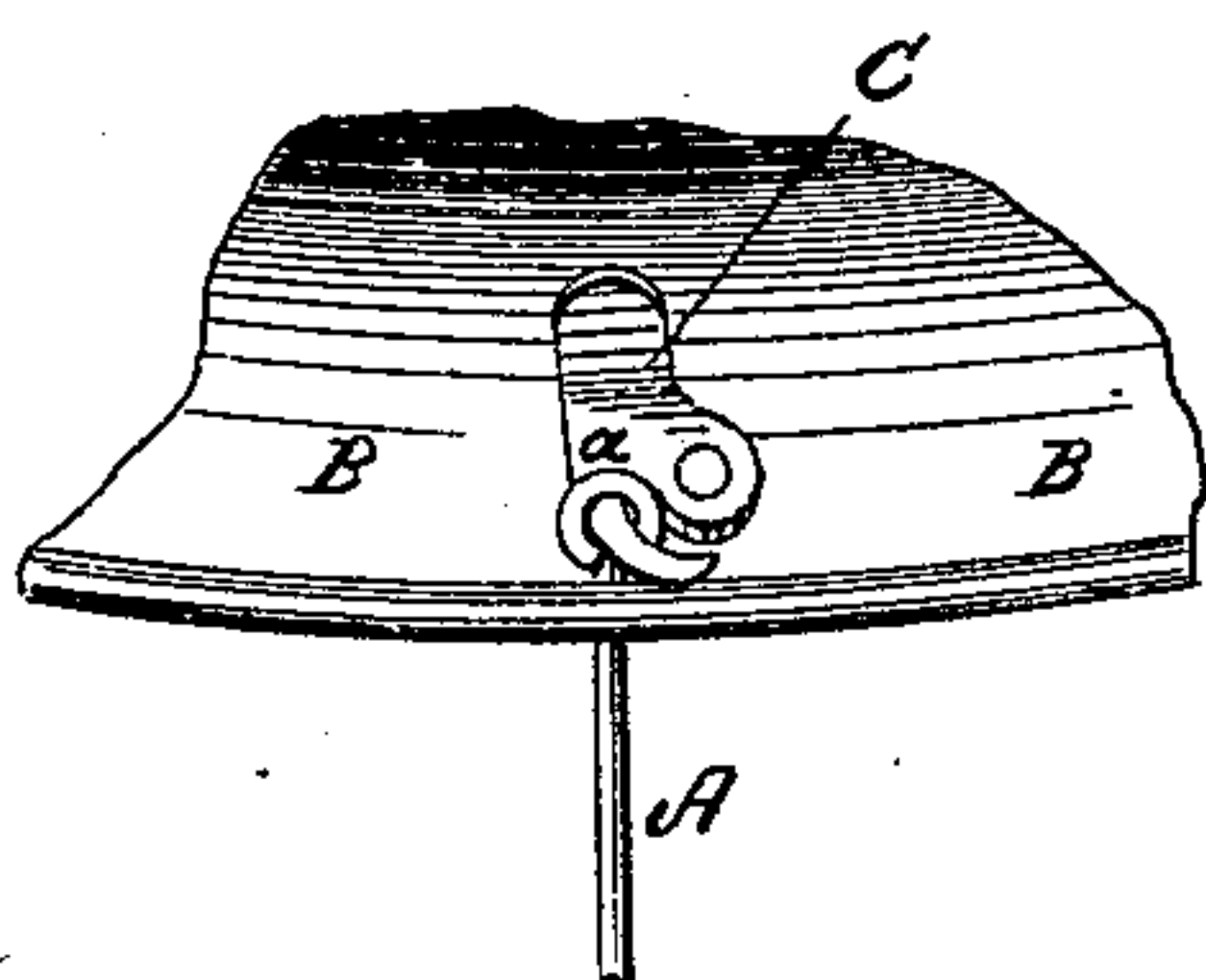
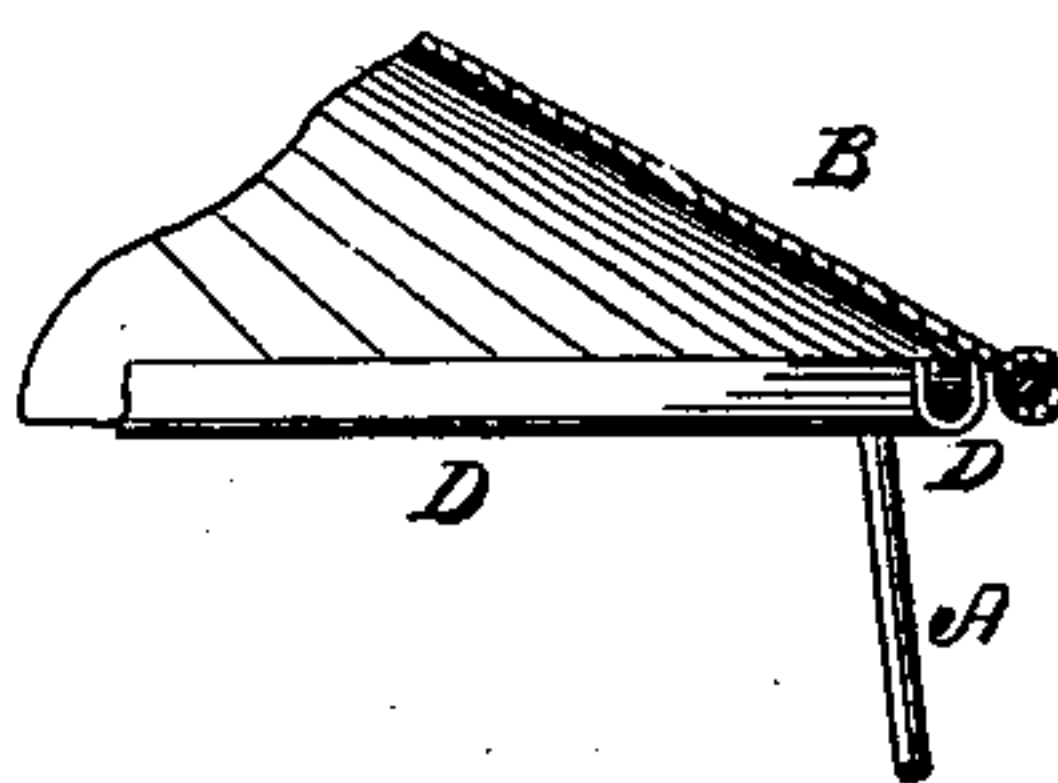


Fig: 3.



Witnesses:

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WILLIAM PORTER, SR., AND WILLIAM PORTER, JR., OF NEW YORK, N. Y.

Letters Patent No. 93,226, dated August 3, 1869.

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 we, WILLIAM PORTER, Sr., and WILLIAM PORTER, Jr., of the city, county, and State of New York, have invented a new and improved Globe-Lantern; and we do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 represents a side view, partly in section, of our improved lantern.

Figure 2 is a detail side view of the same.

Figure 3 is a detail transverse section of the same.

Similar letters of reference indicate corresponding parts.

This invention relates to a new manner of constructing lanterns, with a view of making the globe removable from the top.

The invention consists, first, in forming an eye, *a*, at the upper end of one of the upright guard-wires, *A*, so that the same may be fitted through an aperture of the cap *B*, to receive a bolt or hook, *C*, which is pivoted or arranged on the cap. The cap is hinged to the upper guard-ring at *b*, and is thus, by the aforesaid connection *a C*, locked to the guard. The eye *a*, it will be noticed, projects above the upper guard-ring *D*. The globe *E*, can, when the cap is swung open, be removed or inserted from above. The lantern be-

comes more durable and convenient when so made, that the guard is fastened to the base of the lantern.

The invention consists, also, in making the upper guard-ring *D* of sheet-metal, in form of an annular trough, as in fig. 3.

The upright guard-wires can thereby be better secured to the upper ring than they could be to the ordinary wire ring, as their ends are fitted into the trough, and receive a solder, or other head within the same.

The lower ends of the upright wires are secured to a horizontal flange, *c*, of the base.

Having thus described our invention,

We claim as new, and desire to secure by Letters Patent—

1. The eye *a*, formed on the upper end of the upright guard-wire *A*, above the upper guard-ring *D*, to be fitted through the cap, and locked to the same, substantially as herein shown and described.

2. The upper guard-ring *D*, when made of sheet-metal, in form of a trough, substantially as herein shown and described.

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Witnesses:

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