

P. A. MORLEY.

Lantern.

No. 11,632.

Patented Aug. 29, 1854.

Fig. 1

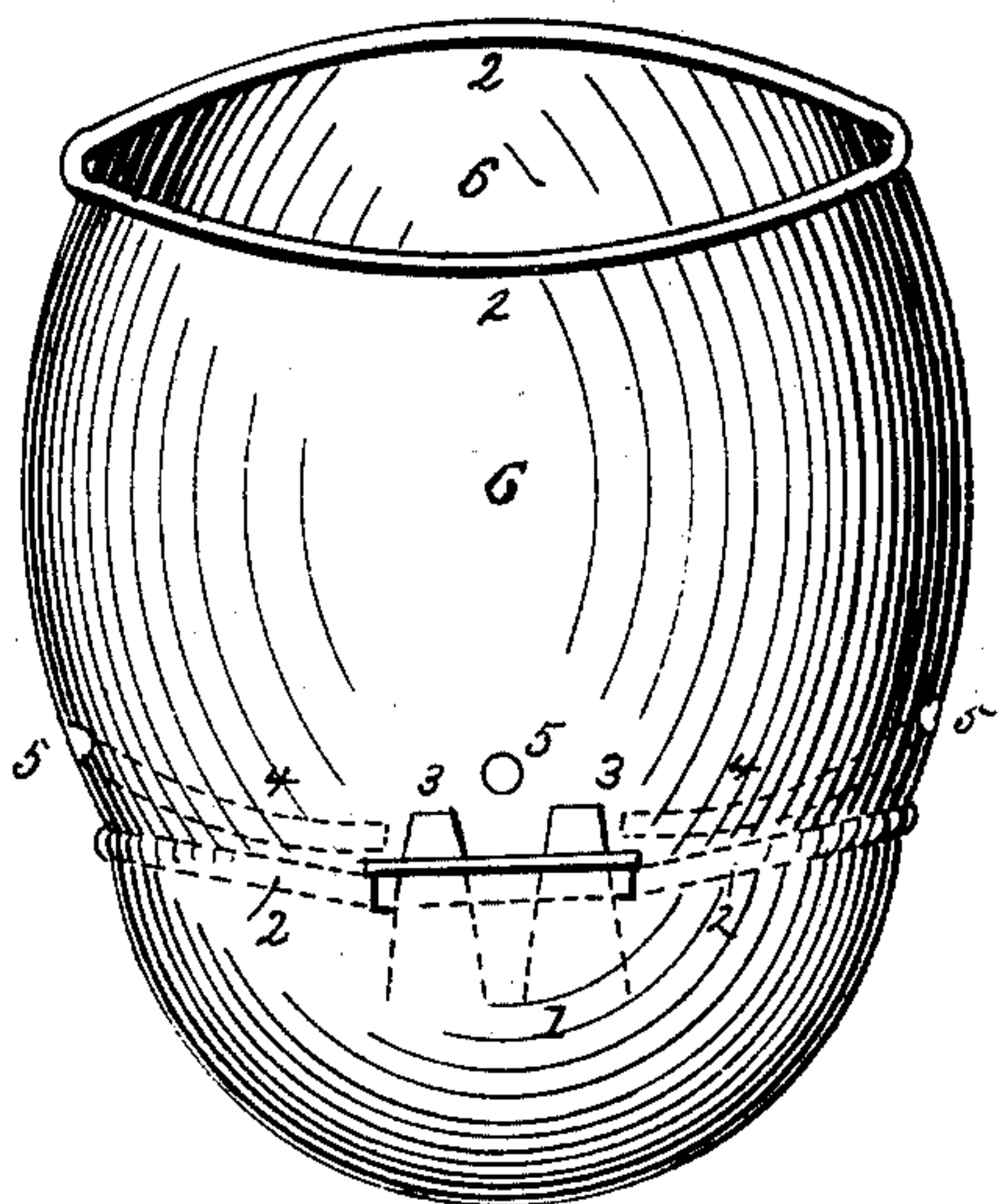


Fig. 3

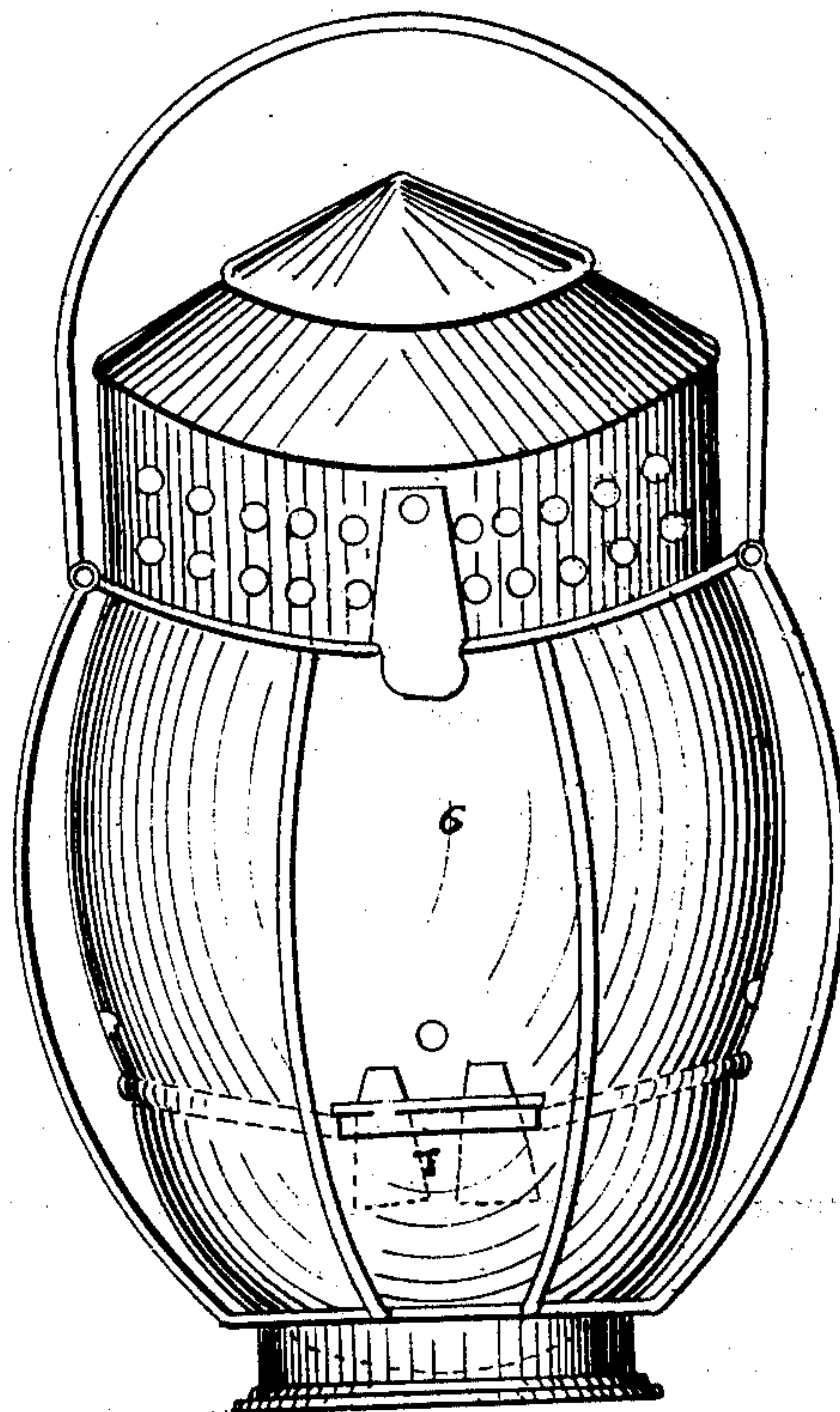
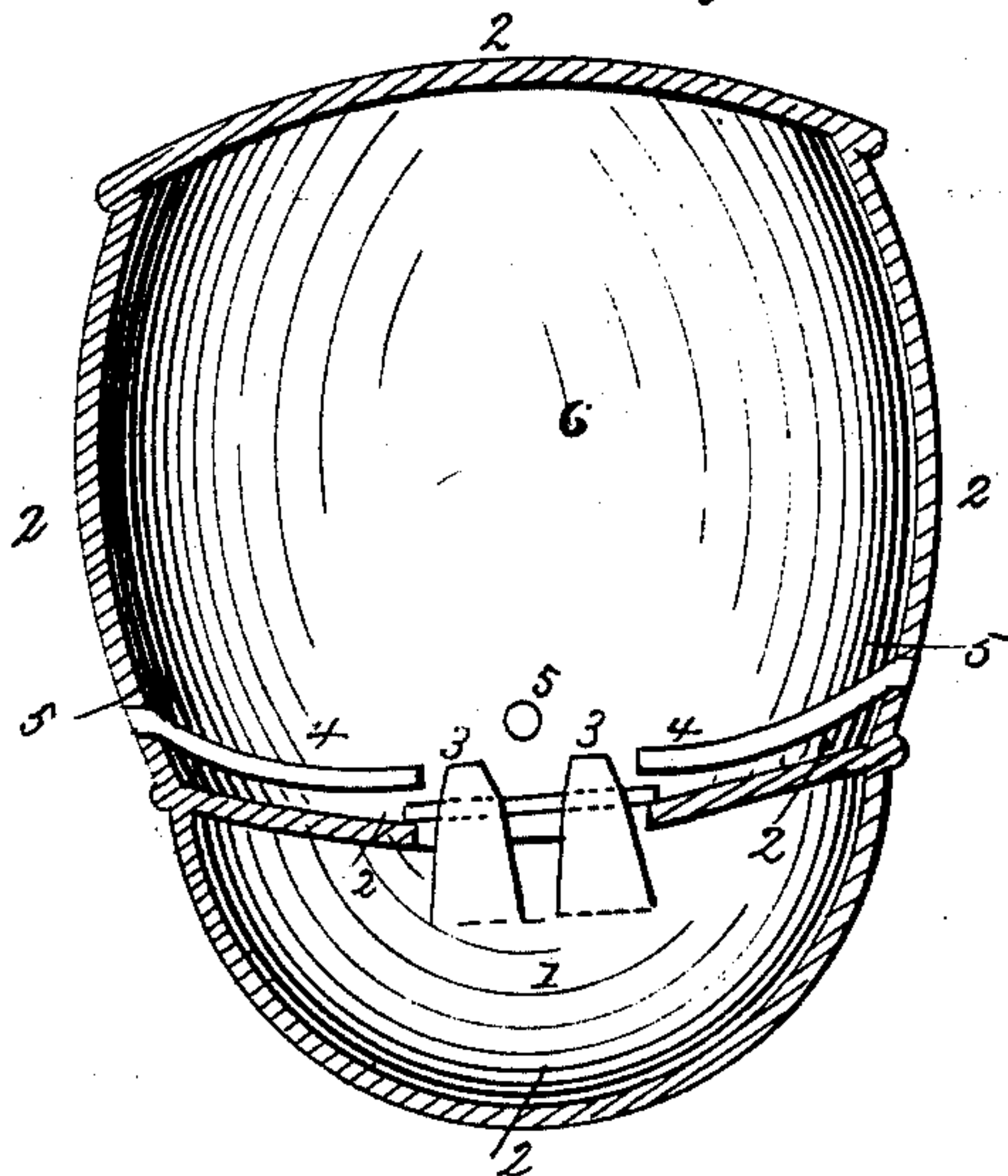


Fig. 2.



Witnesses
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P. A. MORLEY, OF BROOKLYN, NEW YORK, ASSIGNOR TO JAMES BRIGHT.

GLASS LANTERN.

Specification of Letters Patent No. 11,632, dated August 29, 1854.

To all whom it may concern:

Be it known that I, PHILEMON A. MORLEY, of Brooklyn, in the county of Kings and State of New York, have invented a new and useful Improvement in Lamps or 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, forming part of this specification, in which—

Figure 1, is an external perspective view of the lantern and lamp, made in one piece. Fig. 2, is a vertical central section of the same. Fig. 3, is a perspective view, showing the improved glass lamp and lantern provided with the ordinary guards, and a metal top, and bottom or stand.

Similar letters of reference in each of the several figures indicate corresponding parts.

The nature of my invention consists, in making a lamp and lantern of glass, and in one piece.

By thus constructing and combining the lamp and lantern, its construction will be greatly simplified, and its cost lessened. All fastenings for securing the lamp to the lantern being dispensed with. And as it is made transparent, the light is increased to a great extent, it being shown below as well as on the sides of the lamp. And further, as the lamp and lantern are made in one piece, there is no liability of the oil being wasted in filling the lamp—for in case the lamp should run over, the surplus oil will be held safely confined in the glass lantern until the quantity in the oil chamber is lessened, when the surplus oil will run into the lamp. This glass lamp and lantern thus combined, may be made of any desired shape, to suit the purpose intended.

To enable others skilled in the art to make

and use my invention, I will proceed to describe it more minutely.

1, in the accompanying drawing, represents the oil reservoir, having a top 2, which is slightly concaved, and burners, 3, 3, as shown in the drawing. 6, represents the lantern—it, and the oil chamber are made of glass, separate from each other, of the required form, and then blown together, as shown in the drawing. Thus it will be seen that there is no possibility of the oil reservoir ever getting detached from the lantern. When the lantern and oil chamber are united, a chamber is formed above the top of the reservoir in which the surplus oil is confined in case the lamp by accident should be caused to spill out its contents.

The lamp is ventilated through holes in top of the lantern, or it may, if necessary, be ventilated by tubes, 5, communicating with the surrounding air outside the lantern, as shown in Fig. 2.

In Fig. 3, the lamp and lantern are shown provided with the ordinary hinged top, handle, protecting rods or guards, and metal stand, or base. The top is held closed by a spring catch, as shown in said figure.

The glass lamp and lantern thus formed in one piece, may be converted into a signal, carriage, hall, street, stable, or other lamp, as occasion may require, being a sure preventive against fire.

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

A lamp and lantern of any desired configuration when made of glass, and in one piece, substantially as herein described.

PHILEMON A. MORLEY.

Witnesses:

JNO. W. HAMILTON,
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