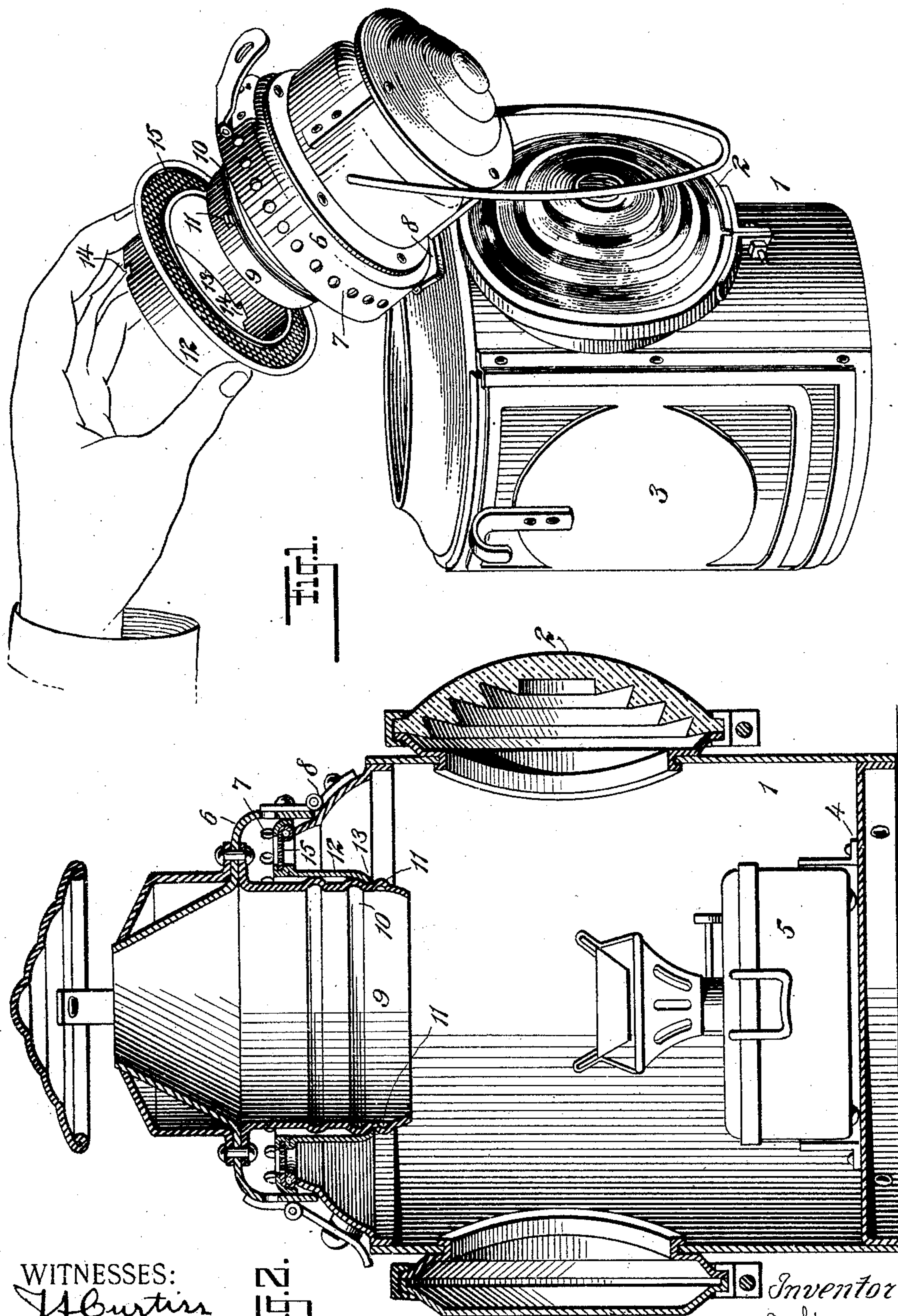


No. 840,026.

PATENTED JAN. 1, 1907.

F. D. SPEAR.  
SIGNAL LAMP.

APPLICATION FILED APR. 9, 1906.



WITNESSES:  
*J. A. Burton*  
*C. A. Pierce*

**FILE**

*Inventor*  
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*By his Attorney A. M. Pierce*



# UNITED STATES PATENT OFFICE.

FURMAN D. SPEAR, OF BROOKLYN, NEW YORK, ASSIGNOR TO ARMSPEAR  
MANUFACTURING COMPANY, OF NEW YORK, N. Y.

## SIGNAL-LAMP.

No. 840,026.

Specification of Letters Patent.

Patented Jan. 1, 1907.

Application filed April 9, 1906. Serial No. 310,653.

*To all whom it may concern:*

Be it known that I, FURMAN D. SPEAR, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented a certain new and useful Improvement in Signal-Lamps, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates especially to the construction and arrangement of that class of signal lamps or lanterns the subject-matter of an application for a patent filed by me April 8, 1904, Serial No. 202,206, and has for its object the provision of means and mechanism whereby the perforated plate employed in connection with the ventilating mechanism may be readily applied, held in place, and removed at pleasure for the purpose of cleaning, &c.

To attain the desired end, my invention consists, essentially, in the combination, with a hinged-top lamp or lantern, of a horizontally-disposed perforated plate removably held in place within the hinged top carried thereby and moving therewith, all of which will be hereinafter first fully described and then pointed out in the claim.

In the drawings, Figure 1 is a perspective view of a hinged-top signal-lamp wherewith my invention is employed, and Fig. 2 is a vertical axial sectional view thereof with the hinged top closed down in place.

Like numerals of reference wherever they occur indicate corresponding parts in both figures.

1 is the body of the lamp, provided with one or more lenses 2.

3 is a sliding door for reaching the interior of the lamp-body from the side.

4 is the bottom of the lamp-body.

5 is an oil-pot.

6 is the top of the lamp, provided with air-passages 7 and hinged to the lamp-body at 8.

9 is the chimney or conduit for the products of combustion carried by the top 6.

10 is a bead around the chimney 9, and 11 represents projections or teats thereon located below the bead 10.

12 is a collar, its lower edge 13 being bent or turned inward and having at each side slots 14.

15 is a horizontal perforated plate secured to or carried by the collar 12 and arranged to rest upon the top of the lamp-body when the top is closed down, the perforations 7 being above the plane of the plate 15.

In placing the perforated plate in position on the chimney 9 the same is passed through the center of the plate and the collar, the notches or slots 14 passing over the teats 11 until the inturned edge of the collar rests against the stop or bead 10, when by giving a portion of a revolution to the collar and plate they are securely locked in place on the chimney 9 and move therewith when the top of the lamp is opened or closed. In removing the perforated plate the reverse operation to that above described is performed, thus providing simple and effective means for cleaning said plate or removing it for any purpose.

Having now fully described my invention, what I claim as new therein, and desire to secure by Letters Patent, is—

The combination with a hinge-top lamp or lantern, of a horizontally-disposed perforated plate removably held in place in the hinged top, carried thereby, and arranged to move therewith, substantially as shown and described.

In testimony whereof I hereto affix my signature in presence of two witnesses.

FURMAN D. SPEAR.

Witnesses:

C. A. FREEMAN,  
WM. S. URMEUR.