

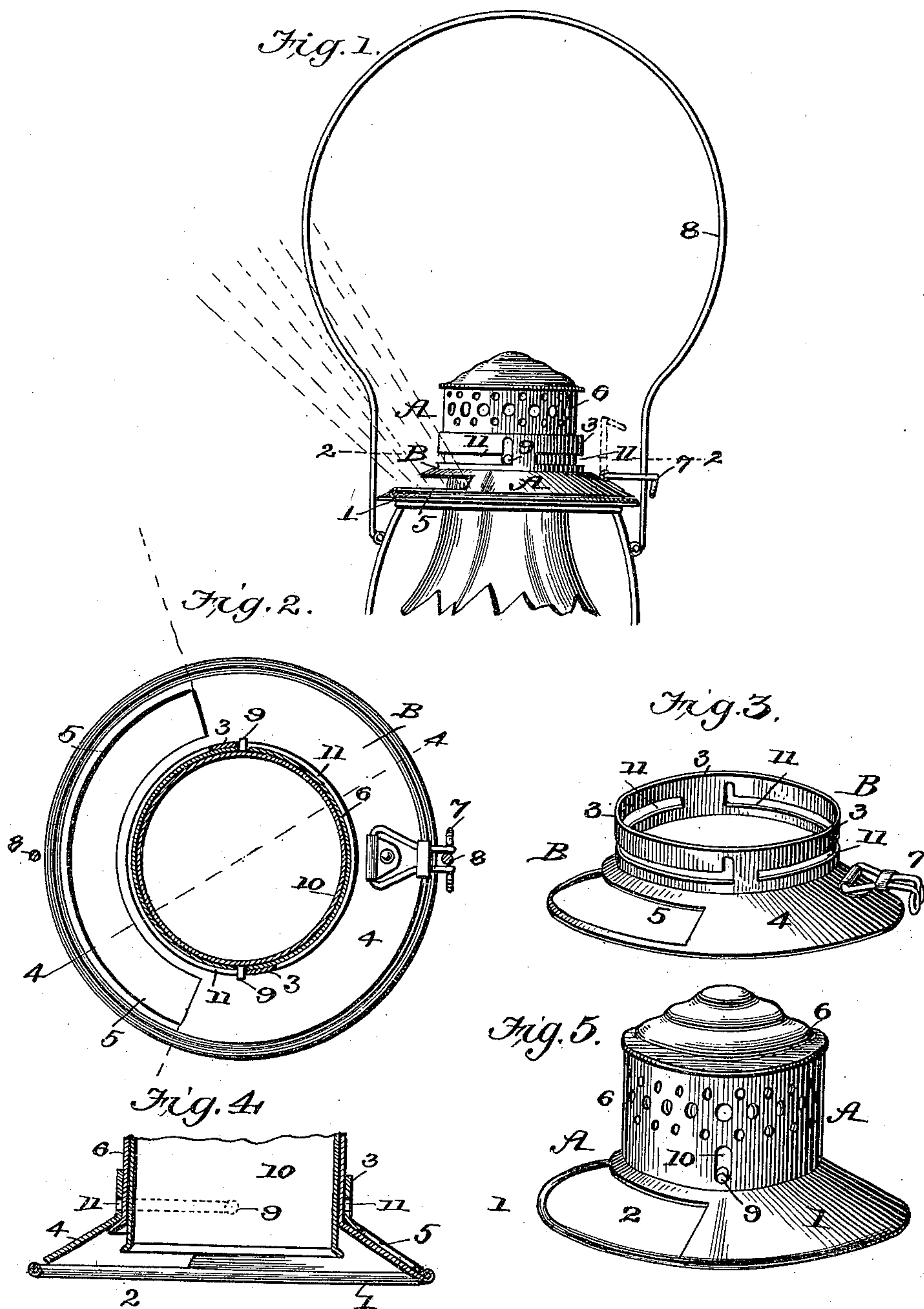
No. 639,988.

Patented Dec. 26, 1899.

R. JACKMAN.  
LANTERN.

(Application filed May 22, 1899.)

(No Model.)



WITNESSES:  
*Jos. A. Ryan*  
*Amos W. Hart*

INVENTOR  
*Royal Jackman.*  
BY *Munn & Co.*  
ATTORNEYS.



# UNITED STATES PATENT OFFICE.

ROYAL JACKMAN, OF ANTHONY, TERRITORY OF NEW MEXICO.

## LANTERN.

SPECIFICATION forming part of Letters Patent No. 639,988, dated December 26, 1899.

Application filed May 22, 1899. Serial No. 717,754. (No model.)

*To all whom it may concern:*

Be it known that I, ROYAL JACKMAN, residing at Anthony, in the county of Donna Ana and Territory of New Mexico, have made certain new and useful Improvements in Lant-

terns, of which the following is a specification. My invention pertains particularly to lantern-tops; and it is my object to so construct the same that light-rays may be emitted through them at will, so as to illuminate objects located above or overhead. To this end I provide lantern-tops with an opening of due size which is normally closed by a rotary slide having a portion that is impervious to light and on the opposite side an opening for passage of light.

In the accompanying drawings, Figure 1 is a side view of the top portion of a lantern provided with my improvement, the slide being adjusted to allow emission of light through the lantern-top proper. Fig. 2 is a horizontal section on line 2 2 of Fig. 1. Fig. 3 is a perspective view of the rotary slide for covering the opening in the lantern-top proper. Fig. 4 is a vertical section on line 4 4, Fig. 2, showing the slide adjusted to close the light-opening in the lantern-top. Fig. 5 is a perspective view of the lantern-top proper.

The lantern-top proper A is constructed (see Fig. 5) in the usual manner, save that its flaring base 1 is cut out, and thus provided with a segmental opening 2, which extends nearly half-way around the same. My rotary slide B (see Fig. 3) for covering such opening 2 is formed of a circular vertical collar or band 3 and a flaring base portion 4, having an opening 5, corresponding in form and dimensions to the opening 2 in the top A. When the said slide B is applied to the top A, as shown in Figs. 1 and 2, the ring or band 3 encircles the cylindrical body 6 of the top A and the slide-flange 4 lies flat upon the flaring base 1 of said top.

It is apparent that when the slide B is adjusted, as shown in Figs. 1 and 2, with its opening 5 coincident with the opening 2 in the lantern-top A, light may be emitted in an upward direction, so as to illuminate the space above and lateral to the lantern, and, on the other hand, when said slide B is adjusted, as shown in Fig. 4, with its imperforate portion

over the opening 2 in the lantern-top A no light can escape from said opening.

It will be observed that the slide B is rotated half-way around to thus cover or uncover the opening 2 in the top. This movement and adjustment may be effected by seizing the band by the hand; but I prefer to employ a lateral arm or some form of projection secured to the slide B, and I may utilize the hinged catch 7, which is employed in some lanterns for locking the lantern-bail 8 perpendicular, as shown in Fig. 1.

In order to hold the slide B down upon or in duly close contact with the lantern-top A, I may employ various devices or attachments; but a preferred means for this purpose is the lateral pins 9, which in some railroad-lanterns form an attachment of a spring chimney-holder 10, Fig. 2. The said pins 9 project through slots in the sides of the lantern-top proper and work in circumferential slots 11 in the slide-band 3, as shown.

My invention has a wide range of application, but is particularly useful for railroad men, for example, when sealing cars at night, since the operator requires to hold the seal in one hand and the sealing-iron in the other, while the lantern must be hung on and swing from his arm, and hence light from the same cannot usually be conveniently directed upon the car-door fastenings, which are placed nearly as high as he is able to reach. By adjusting the slide B with its opening 5 coincident with the opening 2 in lantern-top A, as before described, light is emitted upwardly, as illustrated in Fig. 1, and serves to illuminate the door-fastenings, so that the sealing operation may be easily and quickly effected.

The form of the opening 2 in the lantern-top and the absence of any obstruction between the burner and such opening enable the light-rays to be emitted through the opening in fan-like form, and thus directly upon the object or objects to be illuminated.

What I claim is—

1. The improved lantern for railroad use, having the circular top whose flaring base is provided with the opening 2, extending around said top concentrically, and adapted for radiation of light-rays from the burner in a fan-like form, the space between said base



and burner being free or unobstructed, as shown and described.

2. As an improved article of manufacture, the top for railroad-lanterns provided with a  
5 flaring base having the segmental opening arranged as shown and described, for the purpose specified.

3. The combination, with a lantern-top, having an opening as specified, of an attach-  
10 ment in the form of a rotary slide, which is provided with an opening and an imperforate portion, and is adapted to be adjusted to cover and uncover the opening in the top, substantially as shown and described.

15 4. The combination, with a lantern-top proper, having an opening in its flaring base as specified, of a rotary slide, comprising a portion adapted to fit upon said base, and having an opening corresponding to that in said  
20 top, and means for holding the slide down upon the top, substantially as shown and described.

5. The combination, with a lantern-top,

having an opening in its flaring base for emission of light, of a slide, comprising a cir- 25  
cular flaring portion adapted to lie upon such base and having a corresponding opening, the said slide being adapted to rotate around the lantern-top; a lateral projection on the slide  
30 for use in rotating it as specified; and projections on the top which engage the slide, for holding it in place, as shown and described.

6. The combination, with the lantern-top, having an opening in its flaring-base portion, and pins projecting laterally, of a rotary slide 35  
having a flaring base provided with a like opening and an opposite imperforate portion, and a ring or circular vertical band having circumferential slots adapted to receive said  
40 pins, substantially as and for the purpose specified.

ROYAL JACKMAN.

Witnesses:

C. E. MILLER,

RICH. NUTZCHMANN.