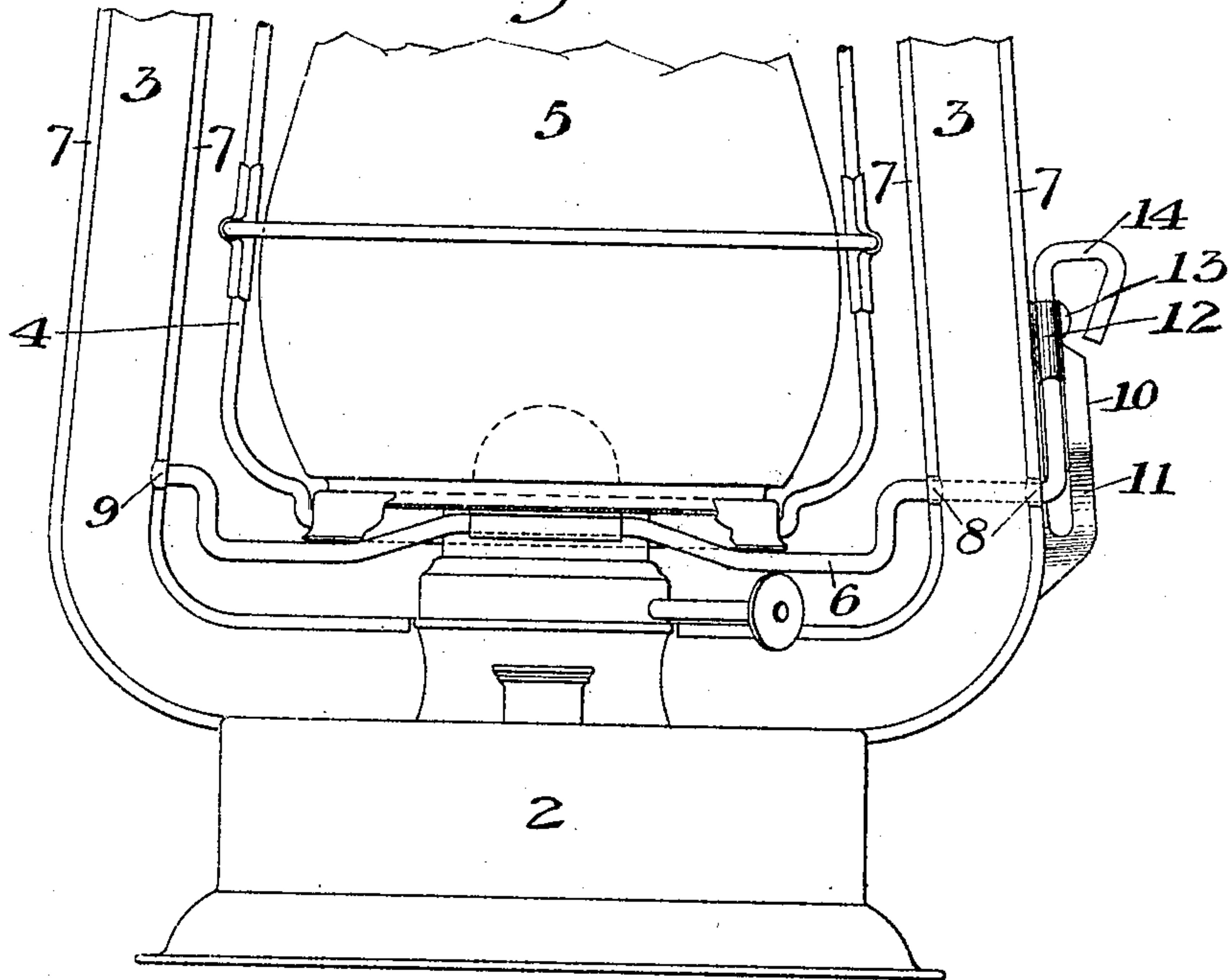


No. 814,644.

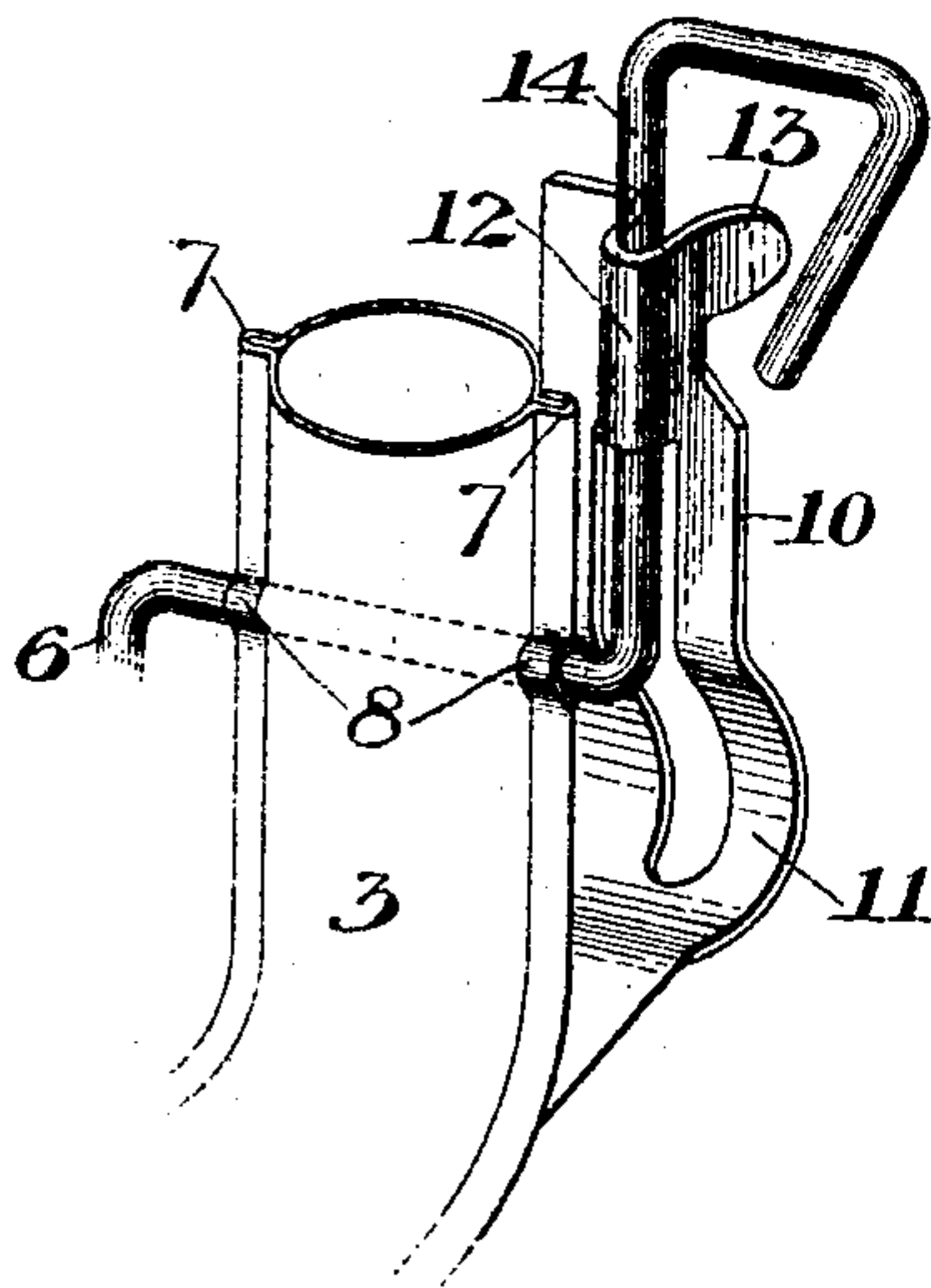
PATENTED MAR. 6, 1906.

A. L. EDWARDS.  
LANTERN CRANK MECHANISM.  
APPLICATION FILED FEB. 15, 1904.

*Fig. 1.*



*Fig. 2.*



WITNESSES

*Warren M. Swartz*  
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INVENTOR

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*his atty*

# UNITED STATES PATENT OFFICE.

ALONZO L. EDWARDS, OF WHEELING, WEST VIRGINIA.

## LANTERN CRANK MECHANISM.

No. 814,644.

Specification of Letters Patent.

Patented March 6, 1906.

Application filed February 15, 1904. Serial No. 193,504.

*To all whom it may concern:*

Be it known that I, ALONZO L. EDWARDS, of Wheeling, Ohio county, West Virginia, have invented a new and useful Lantern Crank Mechanism, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a side elevation showing the lower portion of a tubular lantern constructed in accordance with my invention, and Fig. 2 is a perspective detail view showing the crank-shaft bearing and the lock.

My invention relates to the class of tubular lanterns, and is designed to cheapen and improve the bearing and lock construction for the crank-shaft.

In the drawings, 2 represents the base, 3 3 the side tubes, 4 the globe-frame, and 5 the globe, of a tubular lantern. The crank-lifter 6 consists of a bent rod or wire, the ends of which are pivoted in the air-tubes 3. These air-tubes are made in two parts with opposite seams 7 7, and at the point where the lifting-rod 6 extends through the tube the seam portions are cut and bulged outwardly, as shown at 8, thus forming central bearings for the crank-shaft at its lever end. At the other end of the crank-shaft the seam is cut and bulged only at the inner side, as shown at 9, the end of the crank-shaft terminating within the tube and not projecting through it to the exterior. With this improved pivot arrangement for the crank-shaft I preferably use the locking device shown. (This may or may not be employed, as desired.) This lock consists of a slotted plate 10, which is soldered or otherwise secured to the outer seam portion at the crank end of the lifter. The

lower portion of this slotted plate is bent into a curve, as shown at 11, and its upper portion is bent into socket form 12, the socket being open at one side and preferably having a guide-lip 13. The crank 14 slides over the lip 13 in lowering the globe and is bent inwardly slightly in entering the socket, thus locking the globe in lower position.

The advantages of my invention result from pivoting the crank-shaft in the seam portions of the tubes and, further, from the simple, cheap, and efficient lock for the crank.

Variations may be made in the form and arrangement of the lantern, tubes, &c., without departing from my invention.

I claim—

1. A lantern having side air-tubes, each provided with opposite longitudinal seams therein in line with each other, one of said tubes having its opposite seams cut open and spread apart to form bearings near the lower end of the tube, and a crank-lifter shaft extending transversely through the tube and journaled in said two seam-bearings; substantially as described.

2. A crank-lift lantern having a slotted guide secured at the outer seam of the air-tube, said guide having a laterally-bent upper socket arranged to fit the crank, and a crank extending through the slotted guide and arranged to spring into the socket when in vertical position; substantially as described.

In testimony whereof I have hereunto set my hand.

A. L. EDWARDS.

Witnesses:

JAS. S. PAULL,  
WILFRID MCGINTY.