

L. HERMAN.  
LANTERN.

APPLICATION FILED MAY 26, 1908.

910,681.

Patented Jan. 26, 1909.

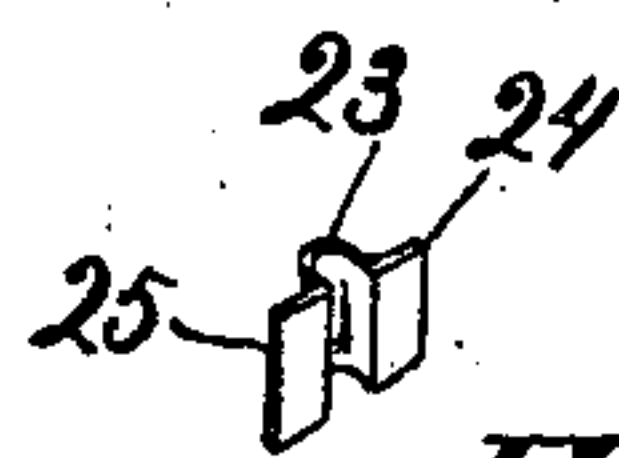
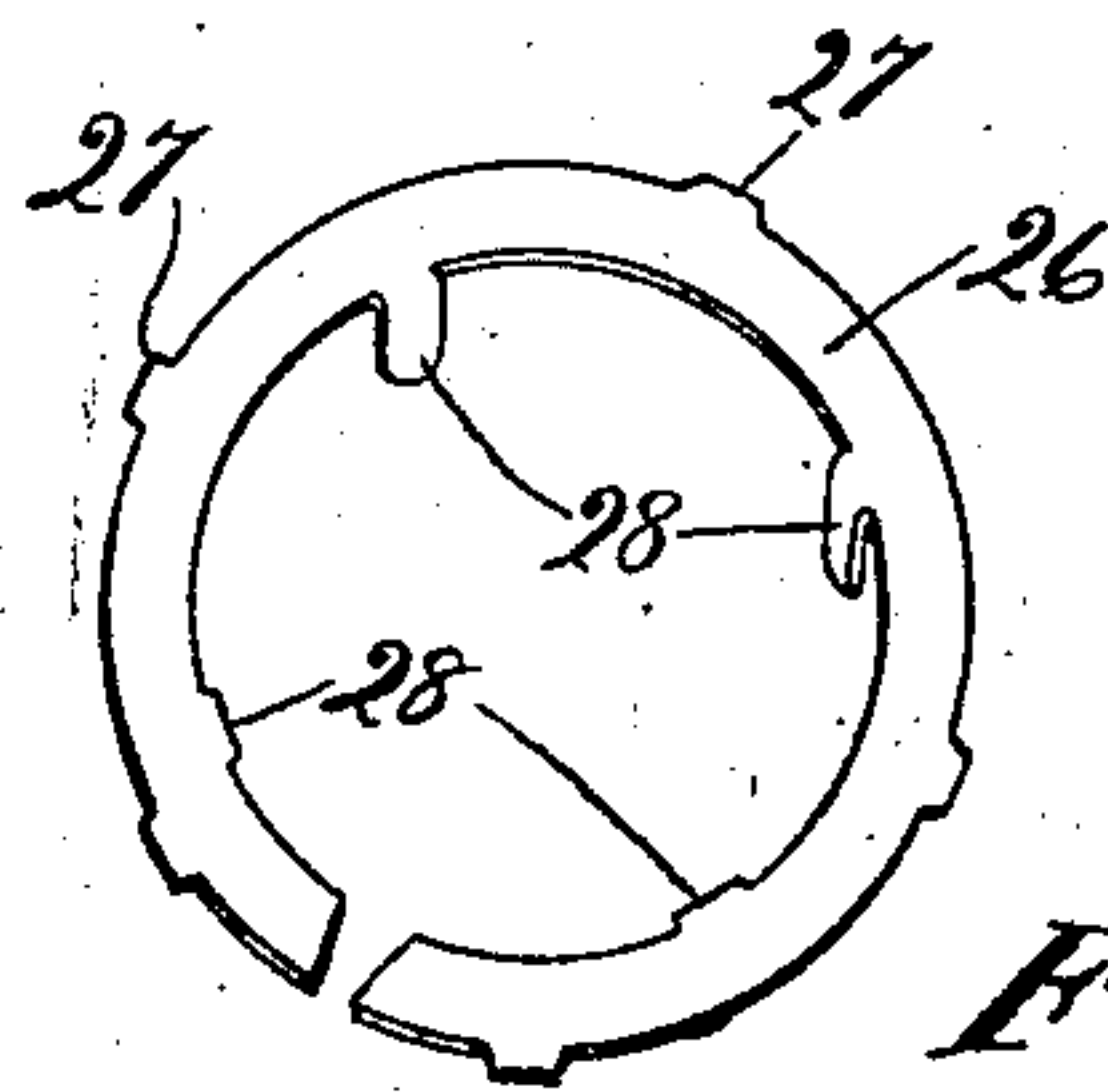
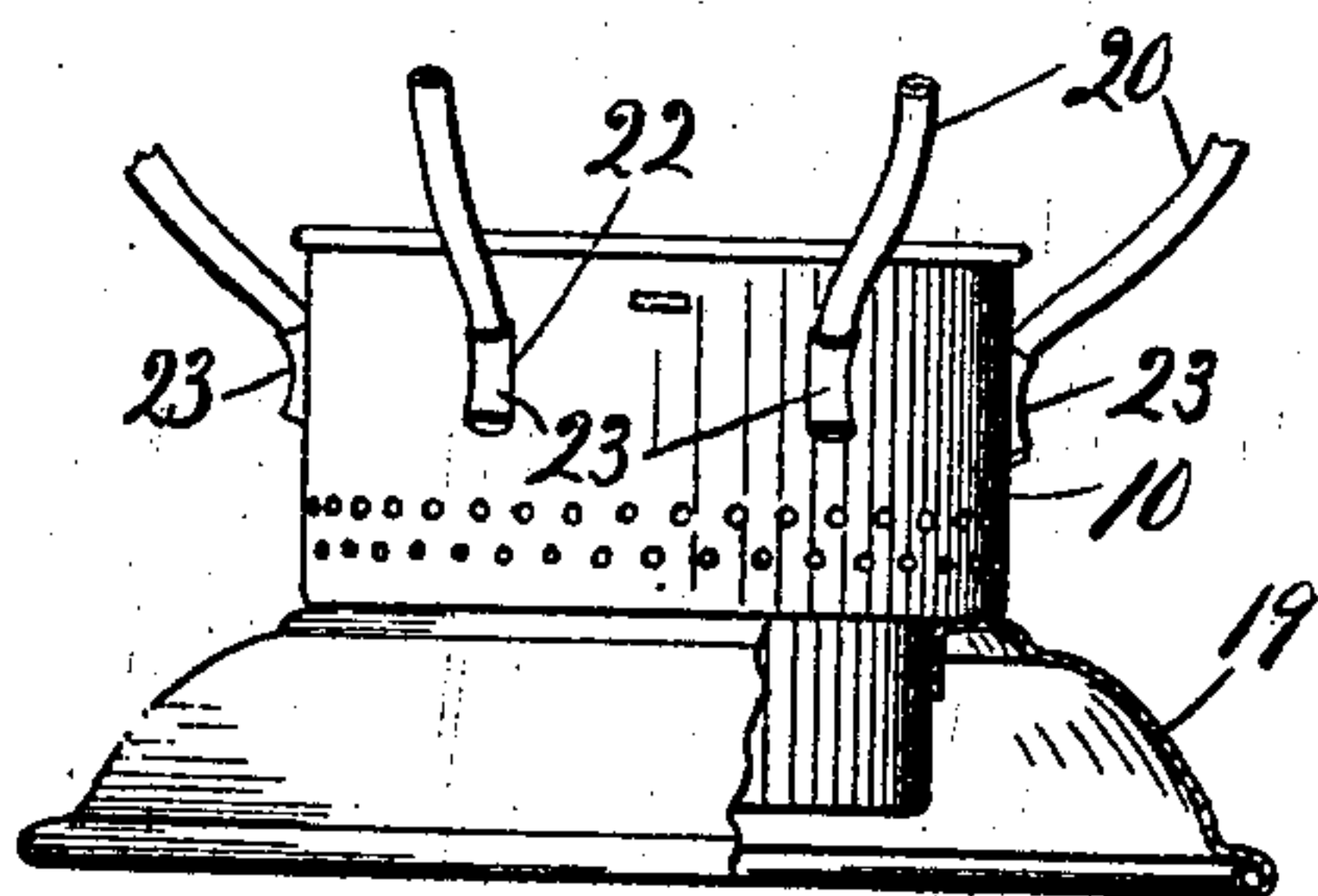
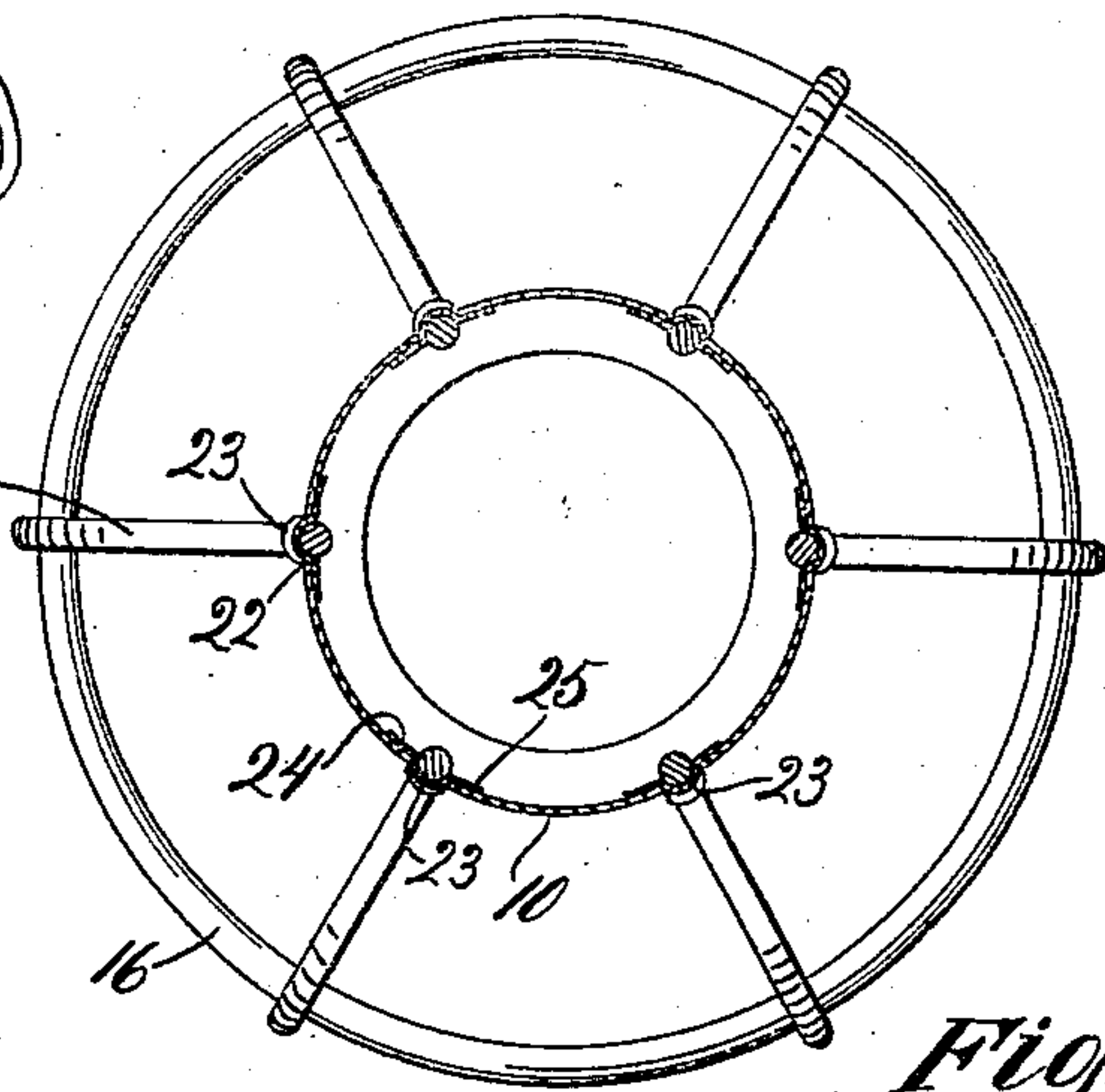
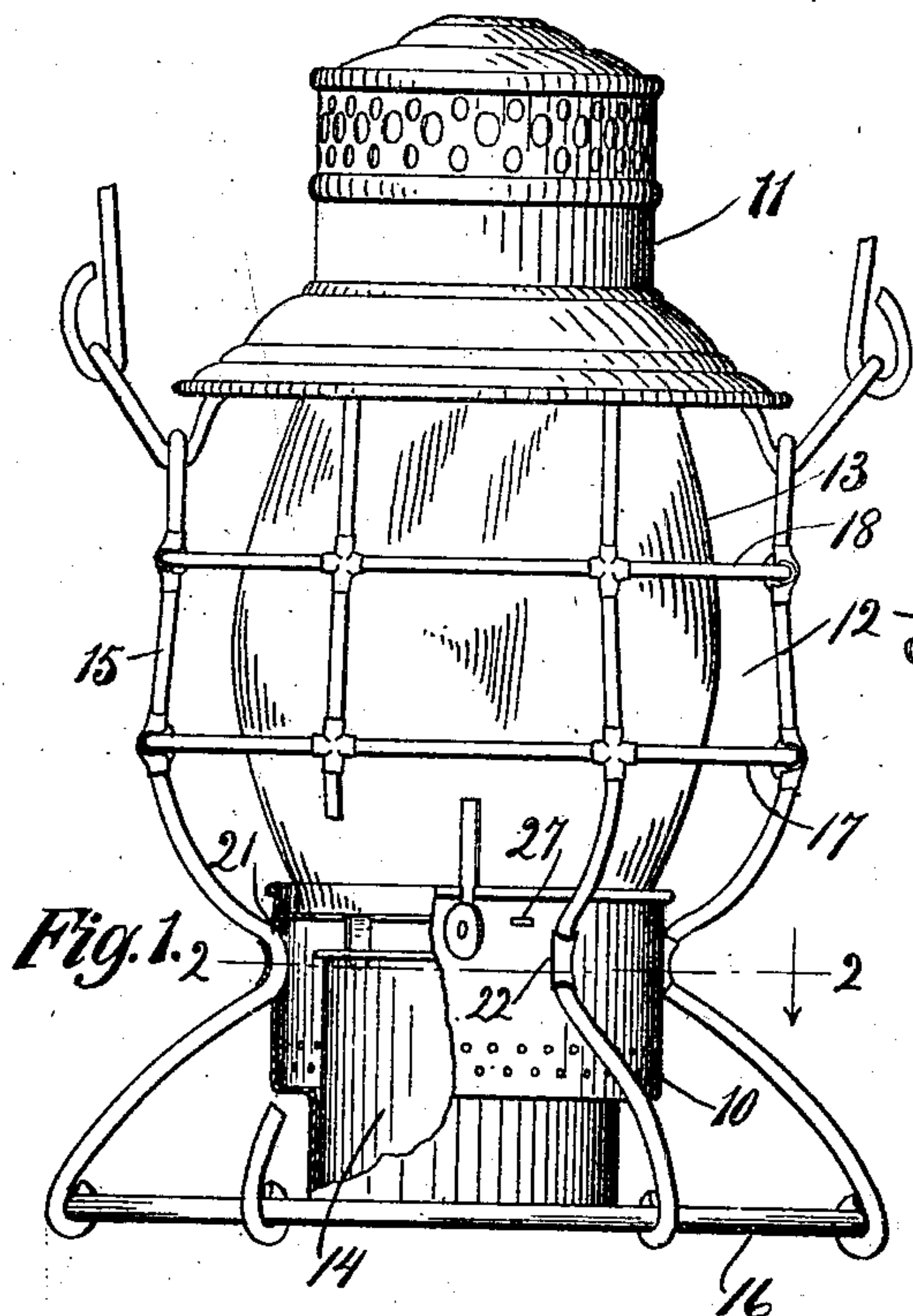


Fig. 3.

Fig. 4.

Fig. 5.

Witnesses:  
W. H. Cotton  
E. M. Thatcher

Inventor:  
Louis Herman  
By Louis A. Gerson  
Att'y.



# UNITED STATES PATENT OFFICE

LOUIS HERMAN, OF CHICAGO, ILLINOIS.

## LANTERN.

No. 910,681.

Specification of Letters Patent.

Patented Jan. 26, 1909.

Application filed May 25, 1909. Serial No. 434,960.

*To all whom it may concern:*

Be it known that I, LOUIS HERMAN, a citizen of the United States, and resident of Chicago, county of Cook, and State of Illinois, have invented certain new and useful Improvements in Lanterns, of which the following is a specification, and which are illustrated in the accompanying drawings, forming a part thereof.

10 The invention relates to the frame of lanterns and the method of making the same; and it consists of the structure and means hereinafter described, the device being illustrated in the accompanying drawings, in  
15 which—

Figure 1 is a side elevation of a lantern, some parts being broken away; Fig. 2 is a sectional view on the line 2—2 of Fig. 1; Fig. 3 is a side elevation of the lower portion of the lantern, some parts being broken away, and showing a modified form of construction; Fig. 4 is a detail of the globe seat; and Fig. 5 is a detail of a clip for anchoring the guard wires of the frame to the base ring.

25 The invention relates, as to one of its features, to lanterns having guard frames or baskets formed of wire, some of them arranged vertically and others taking the form of encircling rings. The vertical wires are secured to the base ring within which the oil  
30 font is located, and in the manufacture of such lanterns the assembling of the wires, of which the guard frame is composed, and the initial securing of them to the base-ring has  
35 been difficult and expensive.

In the drawings the base-ring of the lantern is designated 10, its dome 11, and the guard frame generally as 12, the globe of the lantern being shown at 13 and its font at 14. The guard frame is composed of the upright  
40 wires 15 and a plurality of encircling rings, as 16, 17, 18; the lowest one, 16, constituting, in the structure shown in Figs. 1 and 2, the base upon which the lantern may rest.

45 In the structure illustrated in Fig. 3 the lantern is provided with a sheet-metal base 19, secured to the base-ring 10, and the upright wires 20 terminate at their point of attachment to the base-ring. The wires 15, 50 20, are bowed or bent inwardly to engage the base-ring, this bowed portion 21 of each projecting through a slot 22 in the base-ring. These slots 22 are made sufficiently wide to permit both ends of a U-shaped sheet metal  
55 clip 23 to be inserted, one upon each side of the wire, for the purpose of securing the lat-

ter in place in assembling the parts. The inner ends 24, 25, of these clips are bent outwardly, as shown in Figs. 2 and 5, after being inserted through the slots to take a bearing  
60 against the inner face of the base-ring 10, and pressure is applied to the outer end or bowed portion of the clips by a suitable die for the purpose of forming them up to fit snugly within the bow of the wire, as plainly shown  
65 in Figs. 1 and 3.

After the parts have been assembled, the rings of the guard frame being attached to the uprights in the usual and well-known manner, the lantern is dipped in molten tin, thus coating all of its surfaces and covering  
70 and securing the joints. This bath supplies a bond for securing the clips 23 both to the wires and to the base-ring, the interstices in the latter ring at the points of attachment  
75 of the wires thereto are closed, and all of the parts are thus firmly and rigidly secured together, becoming practically integral.

Another feature of the invention relates to the globe seat 26, which is in the form of a flat split ring elastically fitting within the  
80 base-ring 10 and having a plurality of lugs 27, as numerous as may be found advisable, which project outwardly through suitable apertures formed in the ring. From the  
85 inner edge of the ring 26 depend a plurality of lugs 28, which guide the font 14, hold it against lateral play, and prevent its upper edge from being caught under the globe seat  
90 in removal.

I claim as my invention—

1. The method of constructing lantern frames, consisting in bending an apertured sheet of metal to annular form as a base ring, bending wire rods to constitute uprights for  
95 the frame to form therein knees adapted to enter the apertures of the base ring, inserting such knees in the apertures, then inserting the ends of U-shaped clips formed of sheet metal through such apertures to cover  
100 the knees, forming up the body of each of the clips to conform to the curvature of the knee of the rod to which it is applied and spreading the ends of the clip, then suitably securing wire rings to the several uprights  
105 and immersing the frame in molten metal.

2. As an article of manufacture, a lantern frame comprising, in combination, a base ring having apertures therein, a wire guard frame composed of uprights and encircling  
110 rings secured together, the uprights being formed with knees projecting into the



apertures of the base-ring, U-shaped clips fitting within such knees and having their ends projecting through the base-ring apertures and being clenched the body of each clip conforming to the curvature of the knee to which it is applied, the various joints being sealed with metal.

3. As an article of manufacture, a lantern comprising, in combination, a base ring, a

font seated within the ring, and a globe-10 seat fitted within the upper portion of the base-ring and having pendent lugs for guiding the font.

LOUIS HERMAN.

Witnesses:

WM. S. HAMM,

LOUIS V. EGGERT.