

A. McDONALD.
RAILROAD LANTERN.
APPLICATION FILED JUNE 3, 1908.

907,267.

Patented Dec. 22, 1908.

2 SHEETS—SHEET 1.

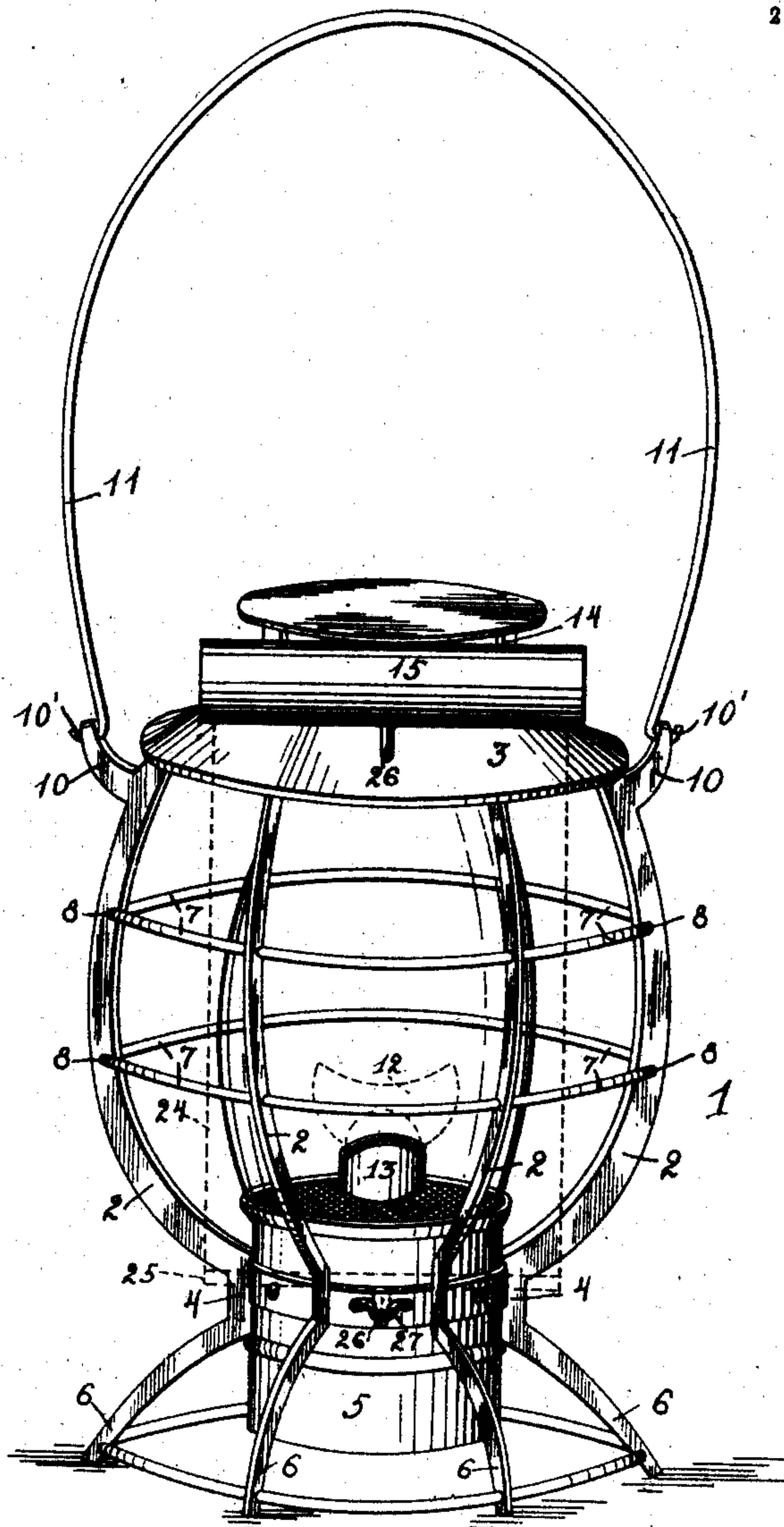


FIG. I.

Witnesses

J. Milton Jester.
B. C. Frost.

Alexander McDonald ^{Inventor}

John S. Duffie ^{Attorney}

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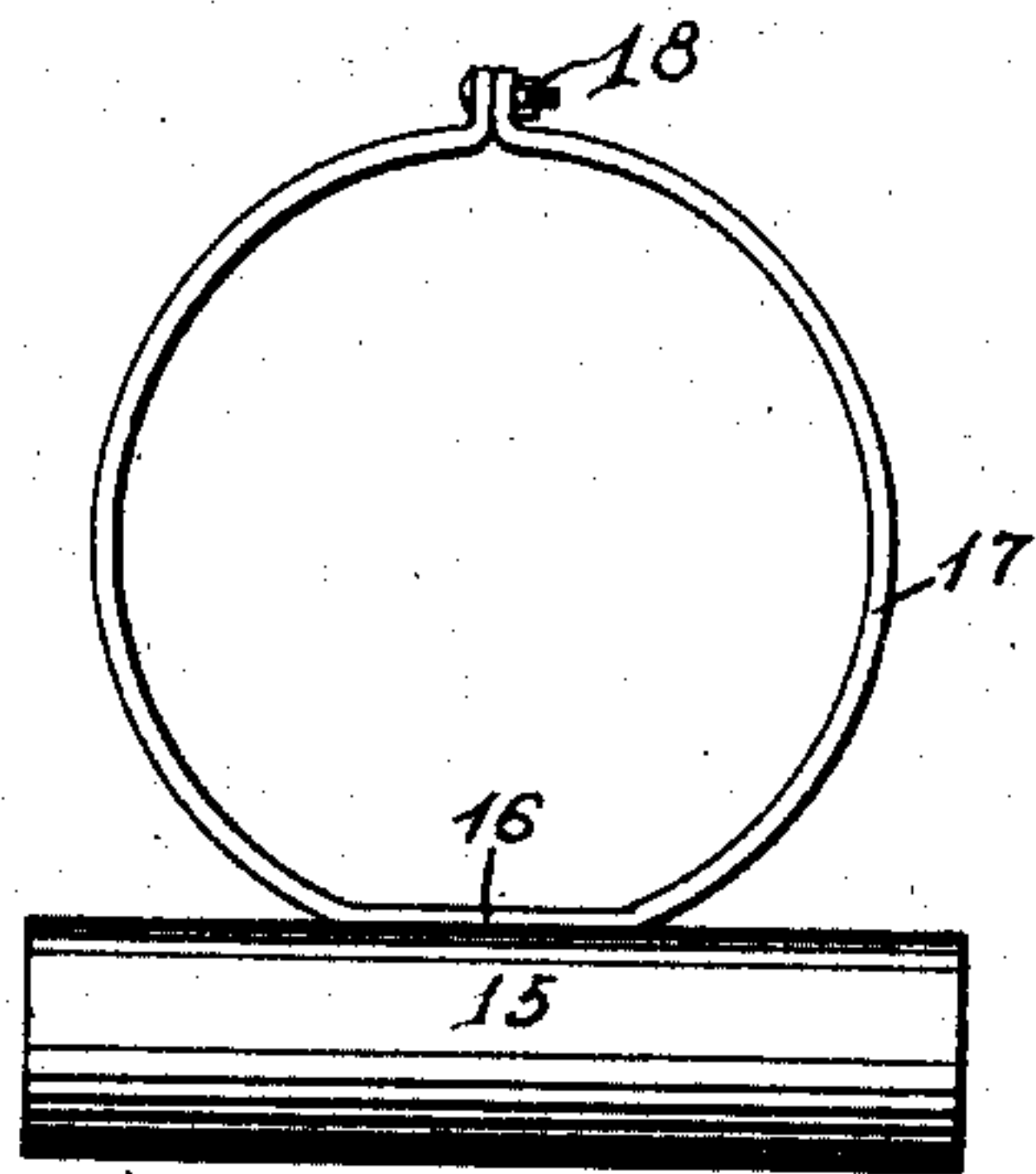


FIG 5

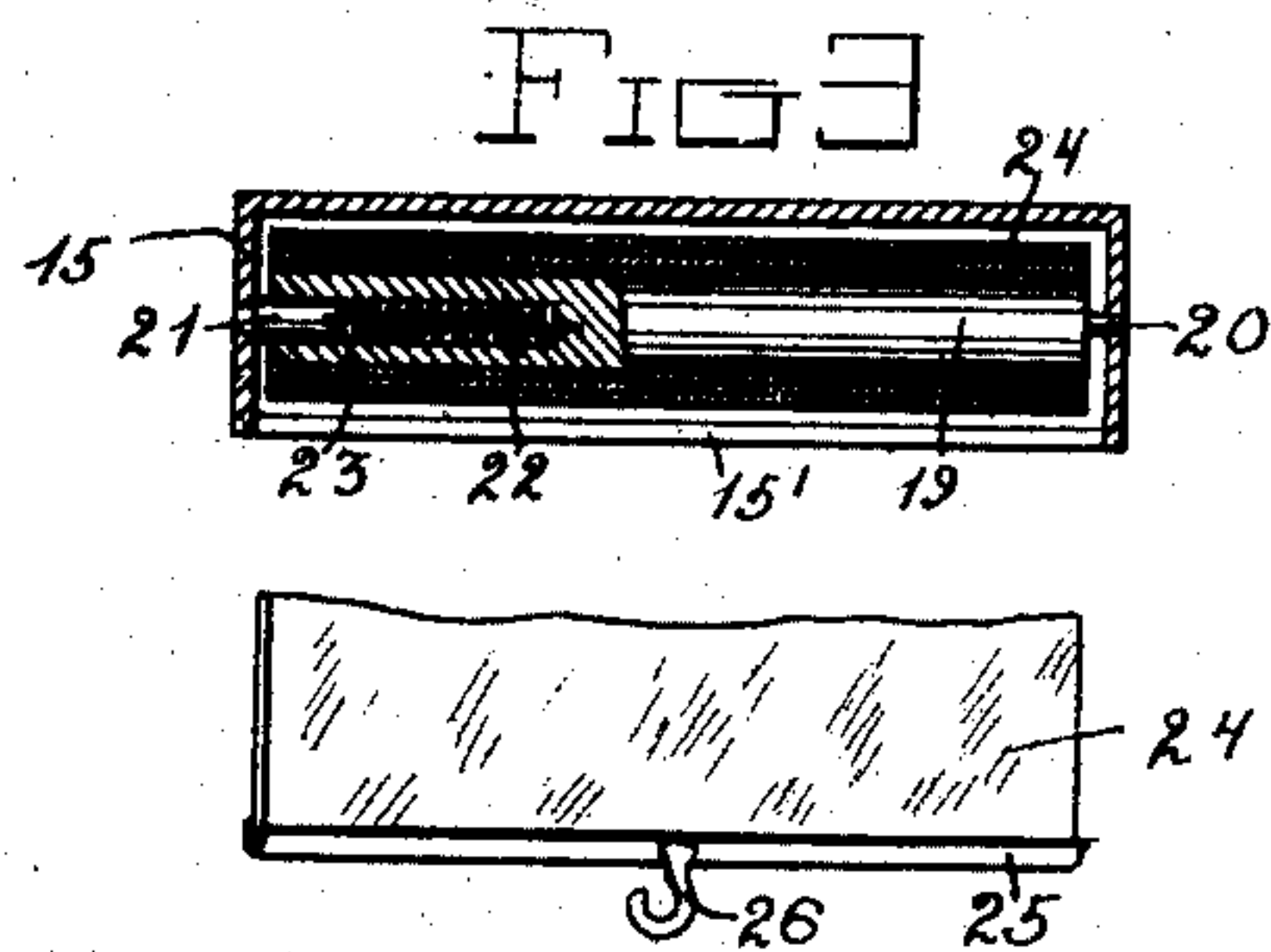


FIG 4

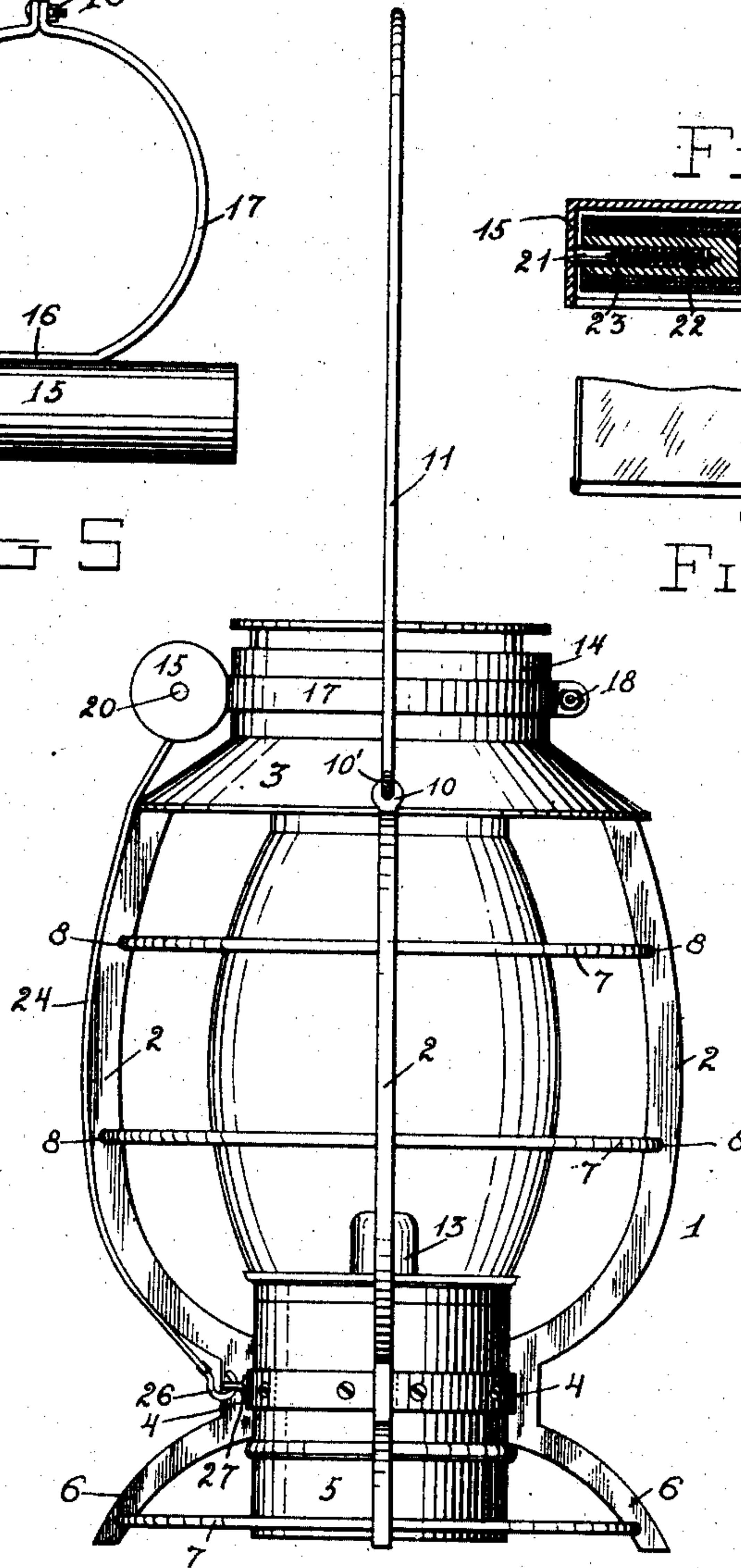


FIG 2

Witnesses

J. Milton Jester.
C. E. Trott.

Inventor
Alexander McDonald

By John S. Duffie

Attorney

UNITED STATES PATENT OFFICE.

ALEXANDER McDONALD, OF GLASGOW, MONTANA.

RAILROAD-LANTERN.

No. 907,267.

Specification of Letters Patent.

Patented Dec. 22, 1908.

Application filed June 3, 1908. Serial No. 436,428.

To all whom it may concern:

Be it known that I, ALEXANDER McDONALD, a citizen of the United States, residing at Glasgow, in the county of Valley and State of Montana, have invented certain new and useful Improvements in Railroad-Lanterns, of which the following is a specification.

My invention relates to new and useful improvements in railway lanterns by which the same may be used for emitting a light of any color by means of a translucent curtain which may be pulled down over the flame, such as red, blue, or any other color which is used in railroading.

With this and other objects in view my invention consists in the novel construction and arrangements of parts as hereinafter described and specifically pointed out in the claims hereunto appended.

Referring to the drawings, Figure 1 is a perspective view of my improved lantern, showing the curtain in dotted lines. Fig. 2 is a side elevation of my lantern showing the curtain pulled down and secured in position. Fig. 3 is a longitudinal sectional view of the roller-casing, the curtain and part of the roller being shown in section. Fig. 4 is a perspective view of the lower section of the curtain showing a hook attached thereto. Fig. 5 is a top plan view of the roller-casing and the means for connecting it to the upper portion of the lamp.

Referring more particularly to the drawings, which are for illustrative purposes only and therefore not drawn to a scale, the numeral 1 indicates the frame of my lantern, having mounted thereon the cap 3. The frame-members 2 converge at their lower portions to form a seat 4, as a supporting means for the oil tank 5, said frame-members curving outwardly and downwardly into feet 6.

Supported by the recesses 8, cut on the inner faces of the frame-members are the annular ribs 7. The perforated lugs 10, formed on the upper portion of oppositely disposed frame-members, are for the purpose of forming a means of connection between the said frame and the lower hooked portion 10' of the handle 11.

The globe of the lantern is of the usual form and is seated in the ordinary way. The flame 12 is fed by the usual form of burner 13.

The cap 3 is tapered down to a reduced

cylindrical portion forming a neck 14, having encircling thereon the band 17, a section 16 thereof being flattened so as to facilitate a connecting means for the roller casing 15, provided with an under longitudinal slot 15' and being rigidly connected thereto. Said band 17 is removably secured to the said neck 14 by means of nut and bolt connections 18.

The roller 19 (Fig. 3) is rotatably connected in the said roller-casing at one end by an axial projection 20, which is secured in the end of said roller, and at the other end by the axial projection 21 which is secured in the roller-casing. A helical or spiral spring 22 is incased in the hole 23, of said roller, one end of said spring being connected to the inner end of the projection 21, the other end connected to the inner end wall of said hole. The translucent curtain 24 is shown wound around said roller in its normal position.

The strip 25 is secured to the lower edge of the curtain to keep the curtain spread out and form a substantial connecting means between the curtain and the hook 26 which is secured to said strip.

In the operation of this lantern the hook 26 is caught by the finger and by the exertion of sufficient force the curtain is unwound from the roller and said hook is inserted in the U-shaped lip 27, thus holding the curtain down in front of the flame. It is obvious that in order to roll the curtain upon said roller, the hook 26 is released from the U-shaped lip 27 and the force of the coil spring 22 rolls said curtain up on said roller.

Although I have specifically described the combination, construction and arrangements of the several parts of my invention I do not confine myself particularly to such specific combination construction and arrangement, as I claim the right to make such changes and modification therein as may clearly fall within the scope of my invention, and which may be resorted to without departing from the spirit, or sacrificing any of my patentable rights therein.

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

1. In a device of the character described in combination a lamp; a band secured to the upper reduced portion of the cap of said lamp by nut and bolt connections, a section of said band being flattened; a roller-casing having a longitudinal slot cut therein detachably se-

cured to the flattened portion of said band; a roller rotatably mounted in said roller casing by an axial projection 20 on one end, secured to said roller, and by an axial projection 21 at the other end, secured to said roller casing; a translucent curtain connected to said roller and adapted to be drawn down through said slot in front of the flame of said lamp; a hook connected to the lower edge of said curtain; a U-shaped lip connected to the lower portion of said lamp and adapted to engage said hook on said curtain.

2. In a device of the character described in combination a lamp; a band secured to the upper reduced portion of the cap of said lamp by nut and bolt connections; a section of said band being flattened; a roller-casing having a longitudinal slot cut therein removably secured to said flattened section by suitable fastening means; a roller, having a hole in one end, rotatably mounted in said roller-casing by an axial projection 20, on one end, secured to said roller, and by an axial projection 21

at the other end, said projection 21 being secured to the roller casing; a curtain connected to said roller and adapted to be drawn down through said slot in front of the flame of said lamp; a hook connected to the lower end of said curtain; a U-shaped lip connected to the lower portion of said lamp and adapted to engage said hook on said strip; a helical or coil spring incased in said roller, one end of said spring being connected to the inner end of said projection 21, the other connected to the inner end wall of said hole, said spring providing sufficient force to revolve the roller in order to wind said curtain upon said roller, when the hook on said curtain is released from said lip on the lower portion of said lamp.

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

ALEXANDER McDONALD.

Witnesses:

C. C. BEEDE,
THOMAS DIGNAN.