

P. H. CONRADSON.
WICK ADJUSTING DEVICE FOR RAILROAD LANTERNS.
APPLICATION FILED APR. 18, 1908.

916,534.

Patented Mar. 30, 1909.

2 SHEETS—SHEET 1.

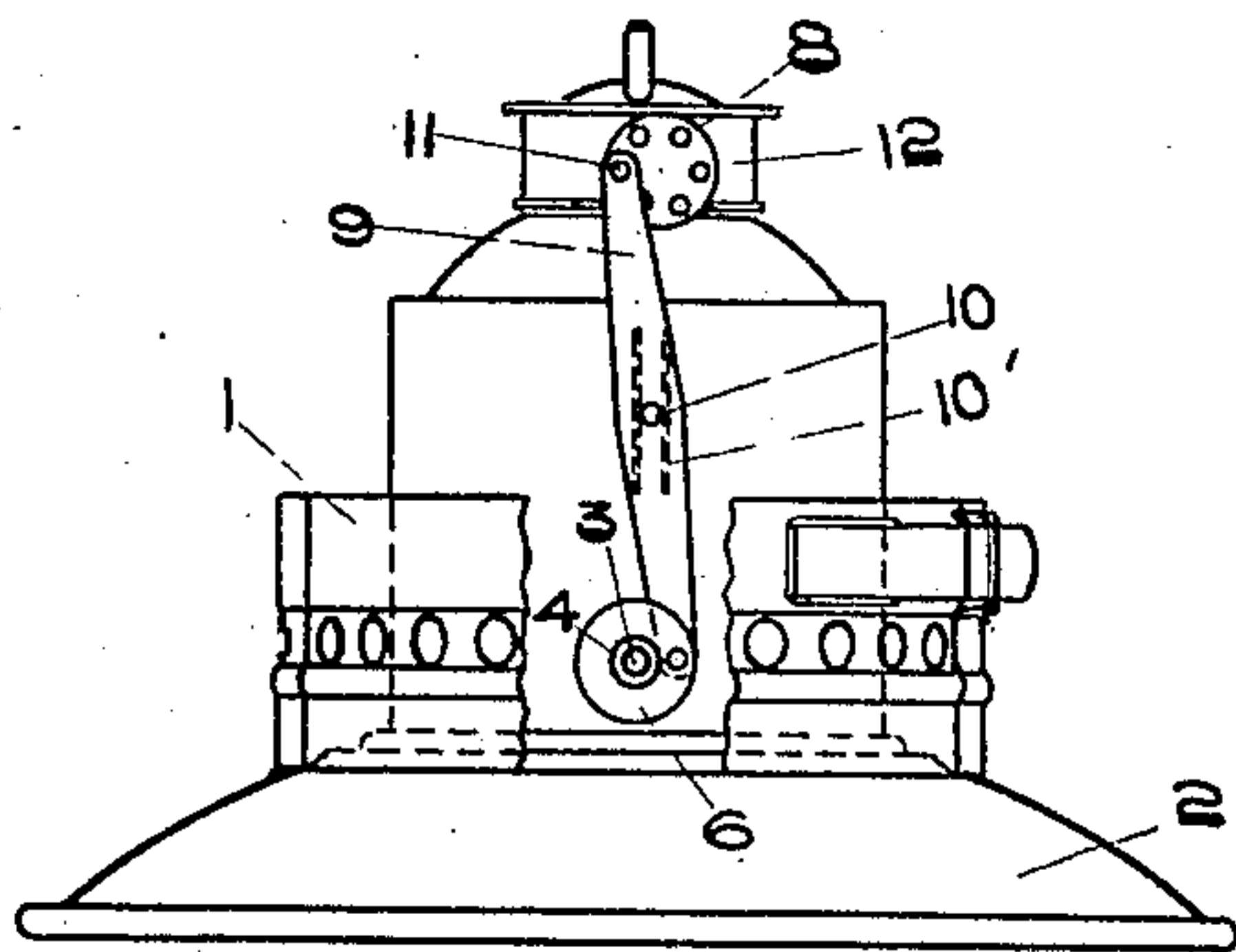


FIG. 1.

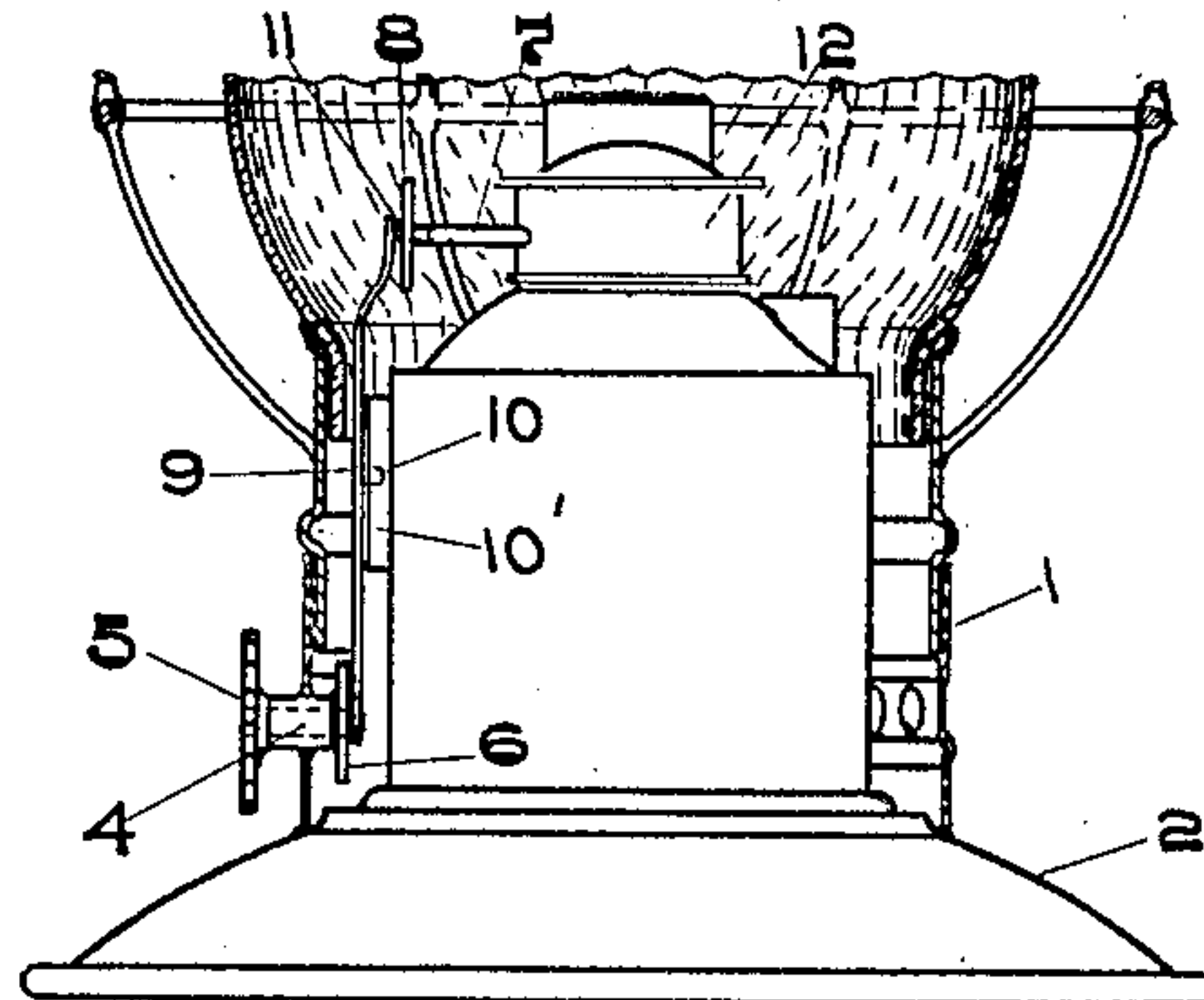


FIG. 2.

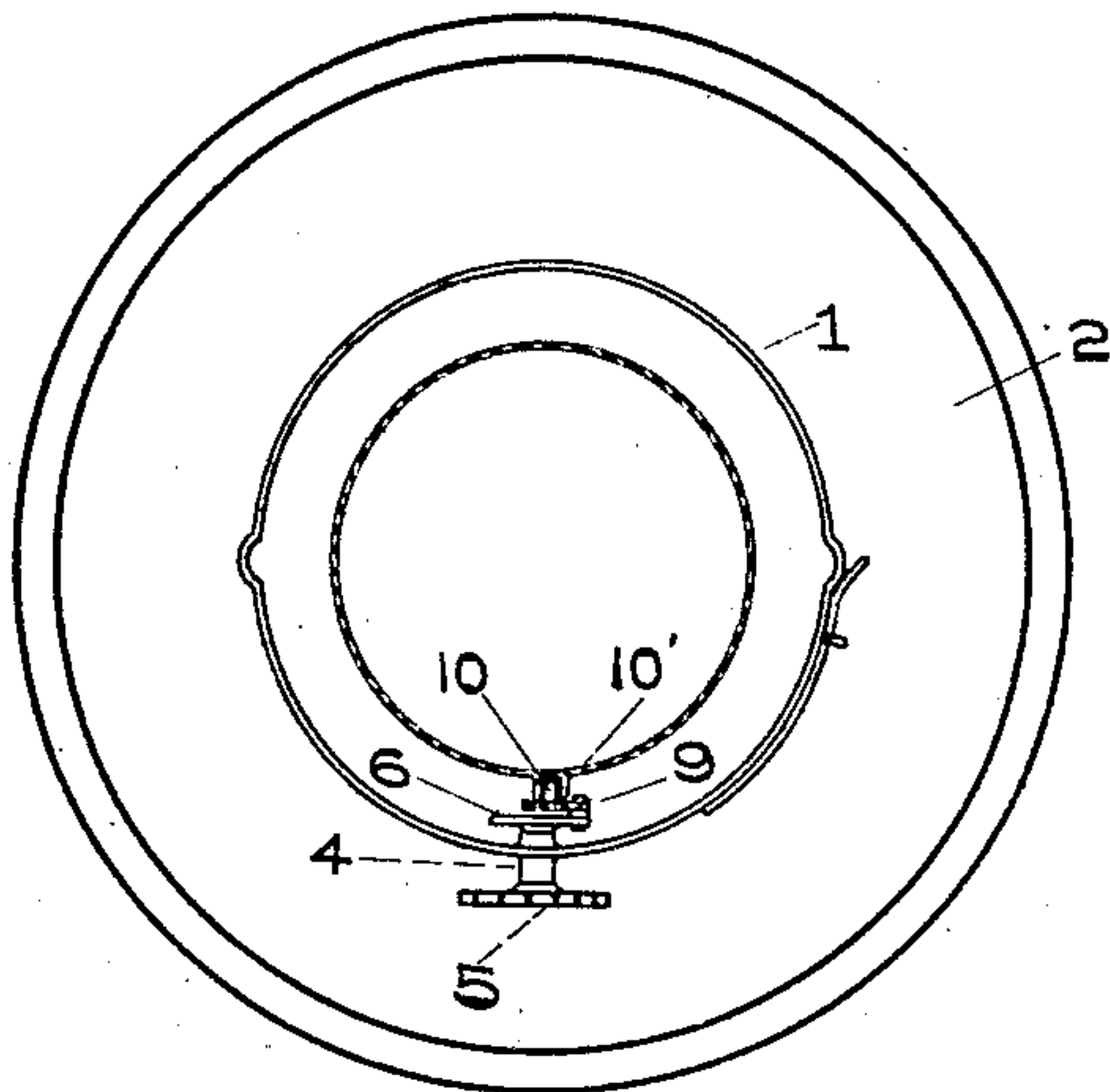


FIG. 3.

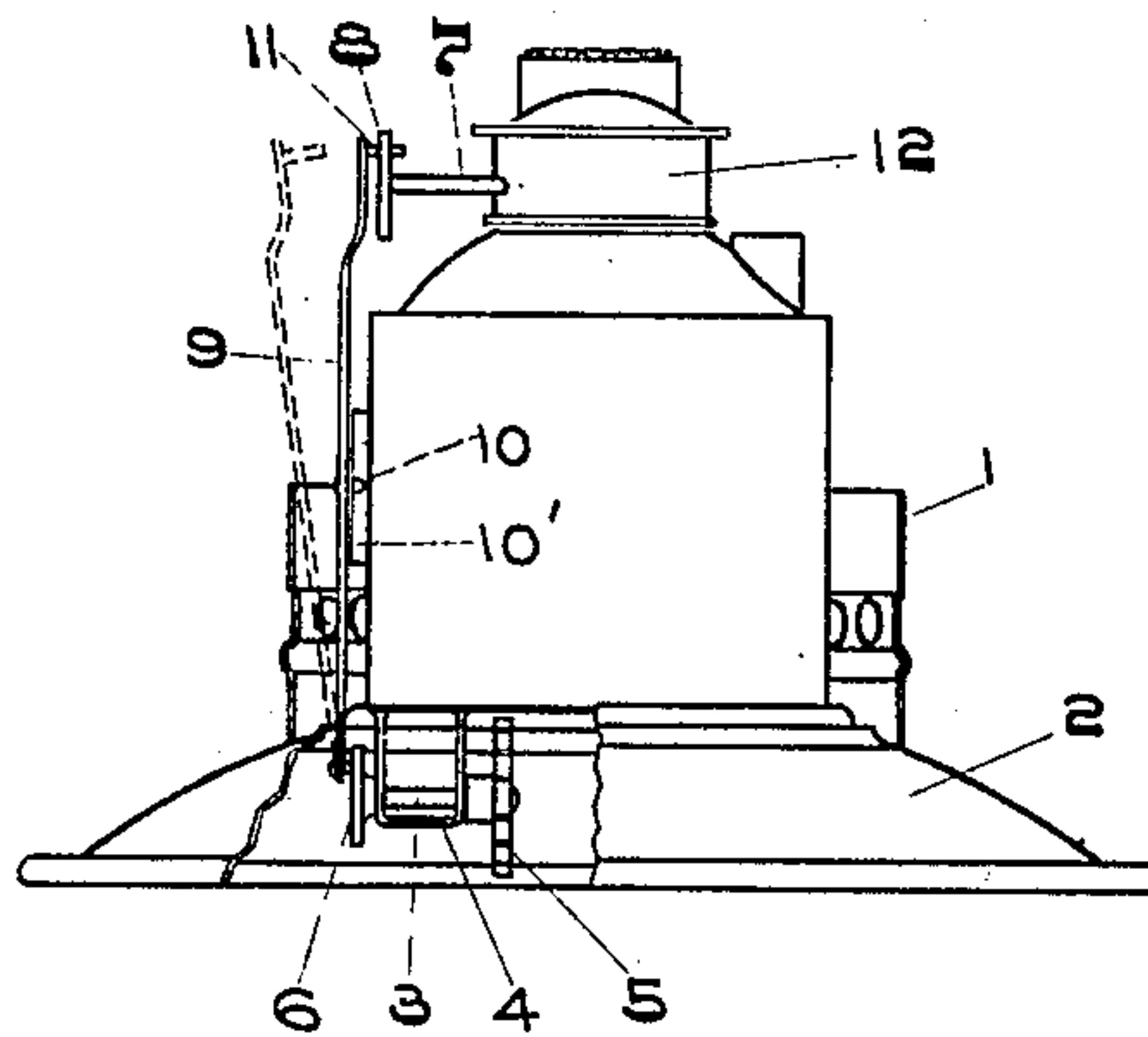


FIG. 4.

WITNESSES

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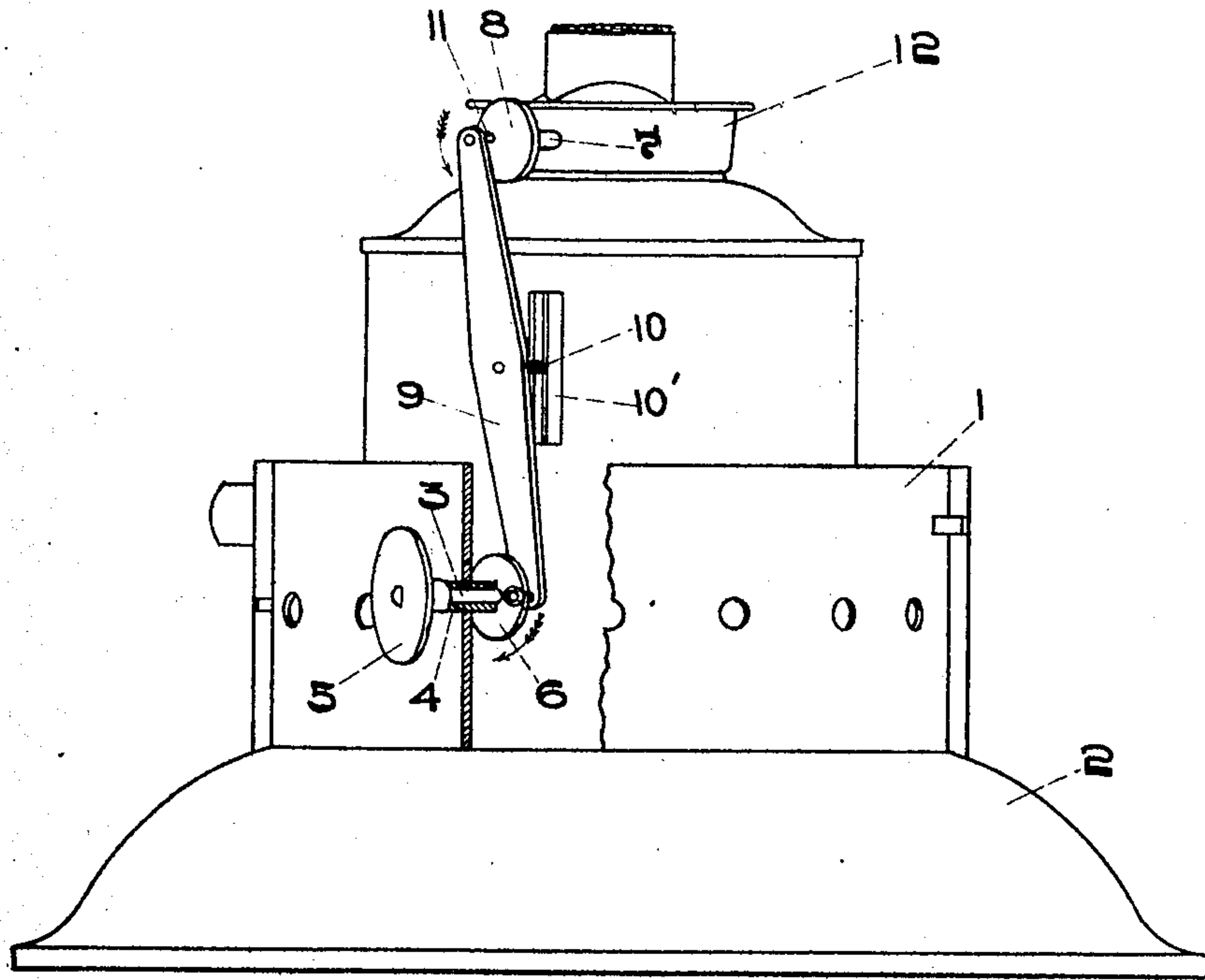


FIG. 5

WITNESSES

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UNITED STATES PATENT OFFICE.

PONTUS H. CONRADSON, OF FRANKLIN, PENNSYLVANIA, ASSIGNOR TO GALENA-SIGNAL OIL CO., OF FRANKLIN, PENNSYLVANIA, A CORPORATION OF PENNSYLVANIA.

WICK-ADJUSTING DEVICE FOR RAILROAD-LANTERNS.

No. 916,534.

Specification of Letters Patent.

Patented March 30, 1909.

Application filed April 18, 1908. Serial No. 427,880.

To all whom it may concern:

Be it known that I, PONTUS H. CONRADSON, citizen of the United States, residing at Franklin, in the county of Venango and State of Pennsylvania, have invented certain new and useful Improvements in Wick-Adjusting Devices for Railroad-Lanterns, of which the following is a specification, reference being had therein to the accompanying drawing.

My invention relates to improvements in wick-adjusters for lanterns of the non-tubular, or railroad type, and is designed especially to be applied to lanterns in which the wick-adjuster proper is normally inaccessible, in that, the thumb-wheel whereby the adjuster is manipulated is located inside the frame or globe of the lantern, thus making it necessary to sever and remove the oil-font and burner from the frame of the lantern in order to render the wick-adjuster accessible for adjustment.

My invention is fully set forth in the following specification, reference being had to the accompanying drawings which form a part hereof and in which:—

Figure 1 is an elevation of the base or oil-font and burner of a lantern to which my improved wick-adjusting device is applied. Fig. 2 is a side view of Fig. 1 showing a portion of the lantern frame and globe in section. Fig. 3 is a plan view of Fig. 1, the oil-font being shown in section. Fig. 4 shows a modified form of construction. Fig. 5 is an enlarged perspective view of Fig. 1.

In many forms of railroad lanterns now in use, the disk or thumb-wheel of the wick adjuster is located inside the frame or globe—as shown in Fig. 2—so that when the lantern is in normal working order, said adjuster is inaccessible and the oil-font and burner must be removed from the frame of the lantern, in order that the adjustment of the wick may be effected. The necessity of such adjustment often arises when it is inconvenient and at times quite impossible to sever said portions of the lantern, and my device is intended for the purpose of providing a wick-adjusting means which shall be at all times accessible. The construction whereby said object is attained is sub-

stantially as follows: In the collar or vertical flange 1 of the base 2, is revolubly mounted a short shaft 3, for which a suitable sleeve or bearing 4 is provided; upon the outer end of said shaft 3 is rigidly affixed a thumb-wheel 5, and to the inner end of said shaft is rigidly affixed a crank-disk 6. The location of shaft 3 is preferably below and in vertical alinement with shaft 7 of the wick-adjuster proper. Disk 6 and wheel 8 of the wick-adjuster are operably connected by means of the lever 9, at the center of which is rigidly located a pin or stud 10, adapted to operably seat in the vertically-slotted fulcrum-block 10'. As rotation is imparted to the disk 6, through the medium of shaft 3 and wheel 5, said rotation is transmitted to the wick-adjuster by means of the lever 9, and thus the adjustment of the wick may be accomplished without removing the oil-font and burner from the frame of the lantern. The pin 11 upon the upper end of lever 9 is adapted to be disengaged from wheel 8, thus permitting the burner 12 to be removed from the oil-font when necessity arises for so doing. Lever 9 is retained in the engaged operative position by the frame and globe of the lantern—as will be clearly seen by a reference to Fig. 2.

In Fig. 4 I have shown the thumb-wheel and crank-disk positioned beneath the oil-font, but the construction is otherwise the same as that shown in Figs. 1, 2, and 3.

What I claim is:

In a wick-adjusting device for railroad lanterns, a wick-raiser provided with a disk adapted to be eccentrically engaged, a manipulating device consisting of a revoluble disk also adapted to be eccentrically engaged, a lever having a centrally-located fulcrum pin, a slotted fulcrum-block adapted for the reception of said pin and means upon the respective ends of said lever eccentrically engaging said disks.

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

PONTUS H. CONRADSON.

Witnesses:

GILSON SHAFFER,
E. R. INMAN.