

No. 871,401.

PATENTED NOV. 19, 1907.

W. S. HAMM.

LANTERN.

APPLICATION FILED OCT. 11, 1906.

Fig. 1

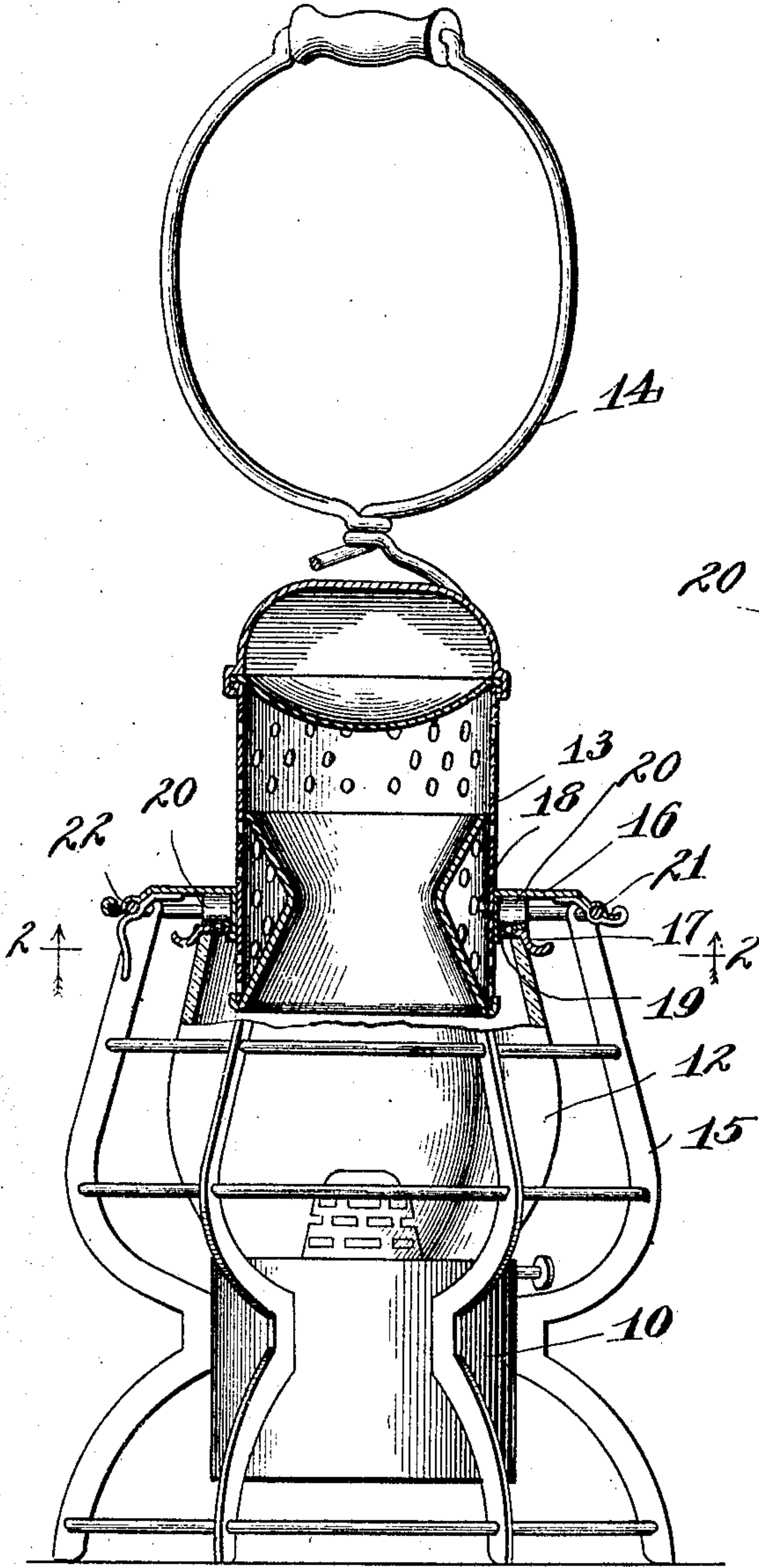


Fig. 2
20 19 17

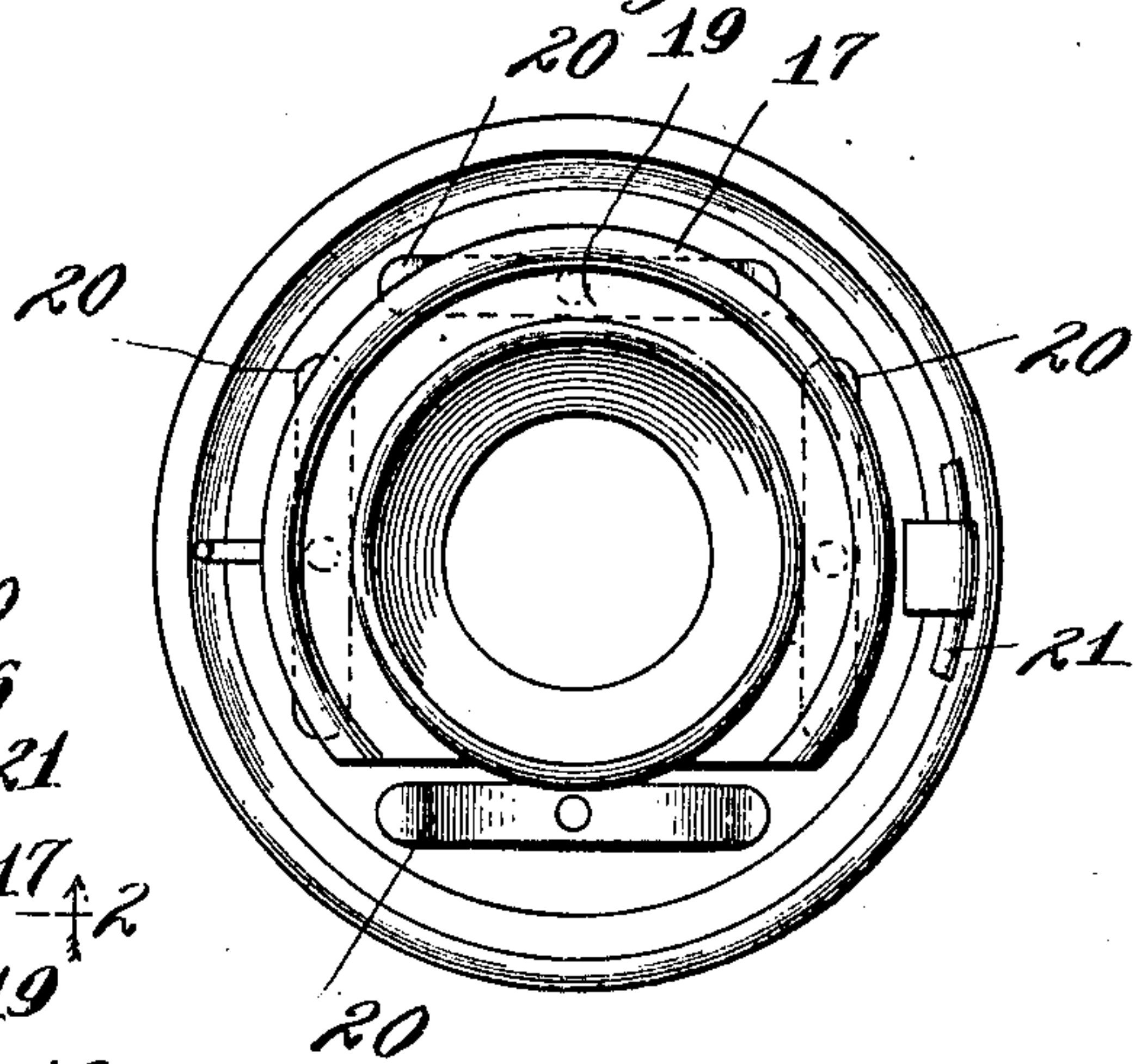
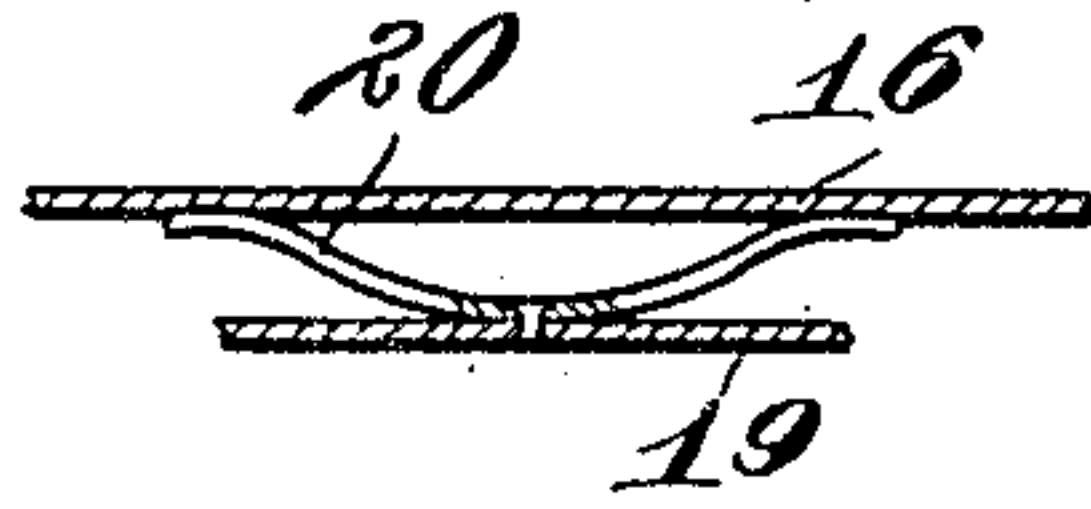


Fig. 3.



Witnesses.

G. A. Pauberschmitt.

Charles B. Gilman.

Inventor:

William S. Hamm,

By *Louis A. Gilson* *July*

UNITED STATES PATENT OFFICE.

WILLIAM S. HAMM, OF LAKESIDE, ILLINOIS.

LANTERN.

No. 871,401.

Specification of Letters Patent.

Patented Nov. 19, 1907.

Application filed October 11, 1906. Serial No. 338,454.

To all whom it may concern:

Be it known that I, WILLIAM S. HAMM, a citizen of the United States, and resident of Lakeside, 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.

This invention relates to a certain type of railway trainmen's lanterns, and particularly known as the top-draft lantern, in which the air for supplying combustion enters at the top of the lantern-body, and sweeping downwardly feeds the flame, the gas given off therefrom passing off through a central flue, and out through suitable apertures in the upper portion of the dome.

The object of the invention is to provide improved means for securing the lantern body or globe in place, and it consists in a spring-advanced clamping cap bearing upon the top of the globe, the springs re-acting against a flange projecting laterally from the dome and to which the upper portion of the guard frame is attached.

The invention is illustrated in the accompanying drawings, in which:—

Figure 1 is an elevation of the lantern, some parts being shown in central vertical section; Fig. 2 is a plan section on the line 2—2 of Fig. 1; and Fig. 3 is a detail of the globe clamping cap.

The lantern comprises a well 10 for holding the font or oil pot, the burner of which is shown at 11; a transparent globe 12 mounted upon the well; a dome 13, and bail 14 secured to the dome; a guard frame 15 attached to the well 10; and an annular flange 16 projecting laterally from the dome 13.

The upper end of the transparent globe 12 is open and fits against an annular cap 17 which slides upon the dome 13, or, preferably, as shown, upon a collar 18 encircling the dome, and depending from the flange. The cap 17 slides vertically, and is limited in its downward movement by an outstanding lug 19 at the bottom of the collar 18, its range of movement, however, being sufficient to permit it to rest firmly upon the top edge of the globe 12.

Springs, as shown four in number, re-act between the upper face of the cap 17 and the lower face of flange 16, urging the cap down-

ward to a firm seat upon the globe. These springs, as shown at 20, are in the form of bowed plates riveted to one of the members, preferably the cap 17, their ends re-acting against the other member, as shown the flange 16.

The flange 16 is preferably hinged to the guard frame 15, as shown at 21, and opposite the hinge there is provided any desired form of detent or catch 22 for holding the flange and dome in place. When the dome is thus secured, the cap 17 presses down upon the globe 12, yieldingly holding it to its seat upon the well 10.

I claim as my invention:—

1. In a lantern, in combination, a well, a dome, a guard-frame uniting the well and dome, a globe seated upon the well, and a spring actuated cap slidable engaging the exterior of the dome and bearing upon the upper edge of the globe.

2. In a lantern, in combination, a well, a dome, a guard-frame uniting the well and dome, a globe seated upon the well, its upper end being open and inclosing the lower end of the dome, an annular cap encircling and sliding upon the dome, and springs re-acting between the dome and the cap to urge the latter against the upper edge of the dome.

3. In a lantern, in combination, a well, a dome, an annular flange projecting laterally from the dome, a frame fixed to the well and hinged to the flange, a globe seated upon the well, its upper end inclosing the lower portion of the dome, an annular cap slidably mounted upon the dome, and springs re-acting between the flange and the cap to force the latter against the upper edge of the globe.

4. In a lantern, in combination, a well, a dome, a flange projecting radially from the dome, a guard frame uniting the flange and well, a globe seated on the well, and a spring actuated holder for the upper end of the globe located exteriorly of the dome.

5. In a lantern, in combination, a well, a dome, a frame connecting the well and dome, a globe rising above the well, and a spring actuated holder for the upper end of the globe carried by and exterior to the dome.

WILLIAM S. HAMM.

Witnesses:

GEORGE L. WALTERS,
LOUD. V. EGGER.