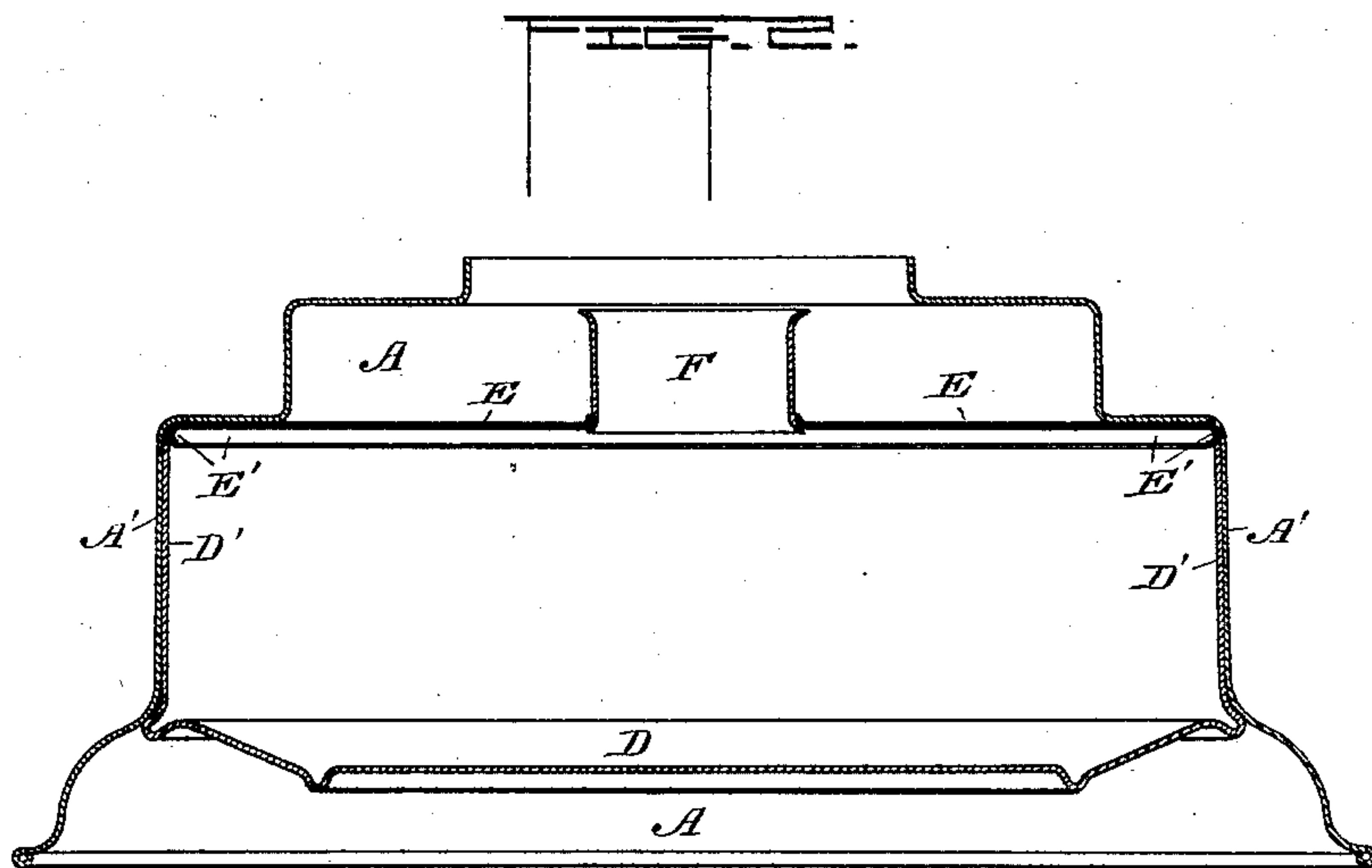
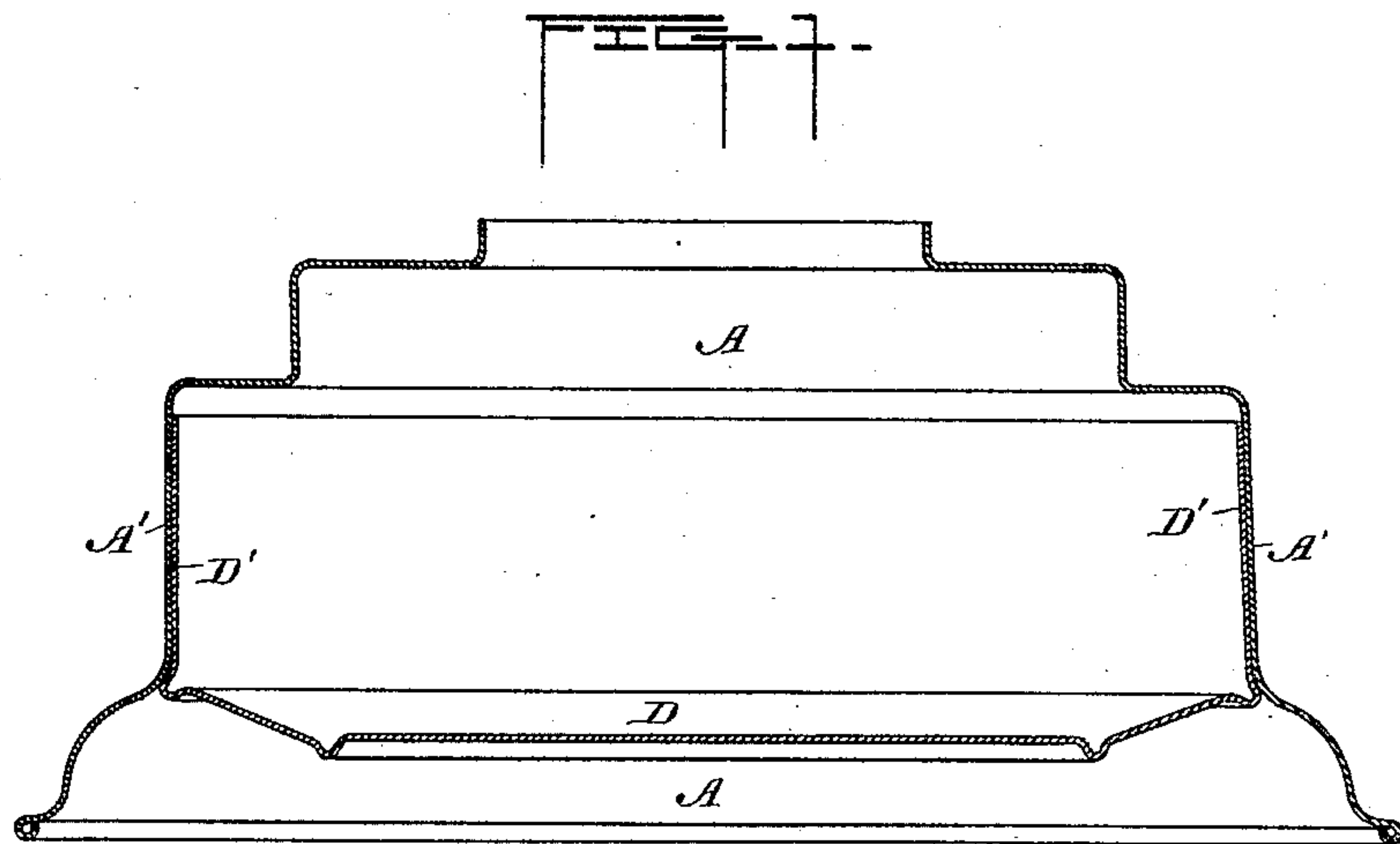


(No Model.)

G. P. HOBBS.
LANTERN.

No. 428,047.

Patented May 13, 1890.



WITNESSES

Harry H. Paulk
D. Paulk

INVENTOR

George P. Hobbs
by W. Baxwell & Sons
his Attorneys

UNITED STATES PATENT OFFICE.

GEORGE P. HOBBS, OF WHEELING, WEST VIRGINIA, ASSIGNOR TO THE NAIL CITY LANTERN COMPANY, OF SAME PLACE.

LANTERN.

SPECIFICATION forming part of Letters Patent No. 428,047, dated May 13, 1890.

Application filed December 30, 1889. Serial No. 335,367. (No model.)

To all whom it may concern:

Be it known that I, GEORGE P. HOBBS, of Wheeling, in the county of Ohio and State of West Virginia, have invented a new and useful Improvement in Lanterns, 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—

10 Figure 1 is a vertical sectional view of the base of the lantern. Fig. 2 is a similar view showing a modified construction of the base.

Like symbols of reference indicate like parts in each.

15 I shall now describe the construction of the base of the lantern.

In making the base I form an outer cup-shaped foot A and a second cup D, the external diameter of which at the vertical portion D' is substantially the same as the external diameter of the part A' of the foot A. I then put the end of the cup D at the mouth of the part A' of the cup A and apply thereto powerful pressure by means of a suitable press, so as to force it into the same, and as the parts A' and D' are of substantially the same external diameter the external pressure on the part D contracts it somewhat, enabling it to enter the part A', and causing it to jam so tightly therein as to form a secure and liquid-tight joint without the necessity for the use of solder. The part D forms the oil-cup of the lantern. A lantern-base made in this way possesses great strength and durability, and is cheaper in cost of manufacture than where the oil-cup is constituted by a plate soldered at the base of the foot. As before stated, the use of solder is rendered unnecessary in a lantern made according to my invention. I do not, however, wish to exclude from the scope of this patent a construction in which the lantern-foot is formed as above described, with solder also applied thereto.

In Fig. 2 I show modified constructions in which the lantern-foot A contains a cover for the oil-cup. To form this cover, I first place within the foot A a disk E, which is formed, preferably, with a downwardly-extending vertical flange E' and with a central collar or tube F, through which the wick passes. After the disk E is set in place the cup D is pressed inside the portion A' of the foot, as before explained, thus causing the upper edge of the cup D to force itself between the edge of the disk and the inside of the portion A'. This, of course, not only increases the degree of firmness with which the cups A and D are united, but also holds the disk E rigidly in place.

I claim—

1. A lantern-base composed of a foot and an interior oil-cup having an annular portion whose external diameter is larger than the internal diameter of a corresponding annular portion of the foot, said oil-cup and foot being secured together by forcible pressure of the oil-cup within the foot and contraction of the said annular portion of the oil-cup, substantially as and for the purposes described.

2. A lantern-base having a foot with an annular portion A', an oil-cup having a corresponding annular portion D', whose external diameter is larger than the internal diameter of the portion A', and a cover-disk E, said cup D being forced into the portion A' and outside the rim of the disk E, substantially as and for the purposes described.

In testimony whereof I have hereunto set my hand this 19th day of December, A. D. 1889.

GEORGE P. HOBBS.

Witnesses:

W. B. CORWIN,
THOMAS W. BAKEWELL.