

(No Model.)

D. C. PRYOR.
LANTERN.

No. 564,762.

Patented July 28, 1896.

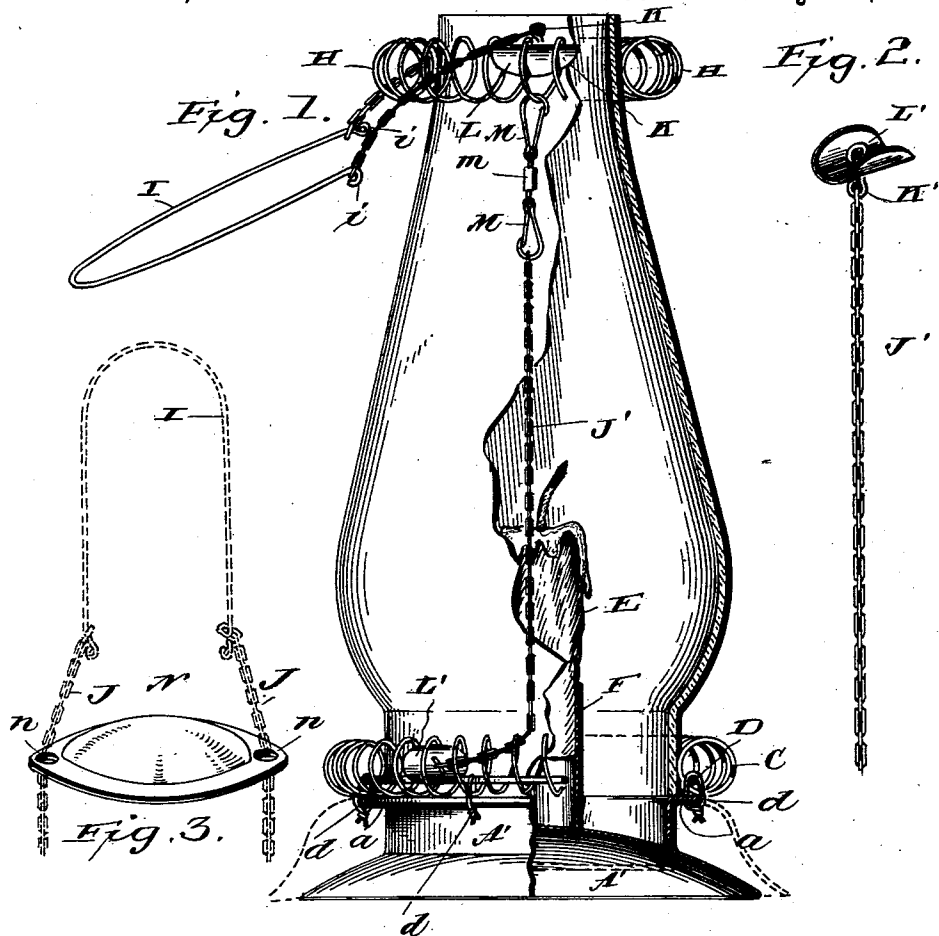
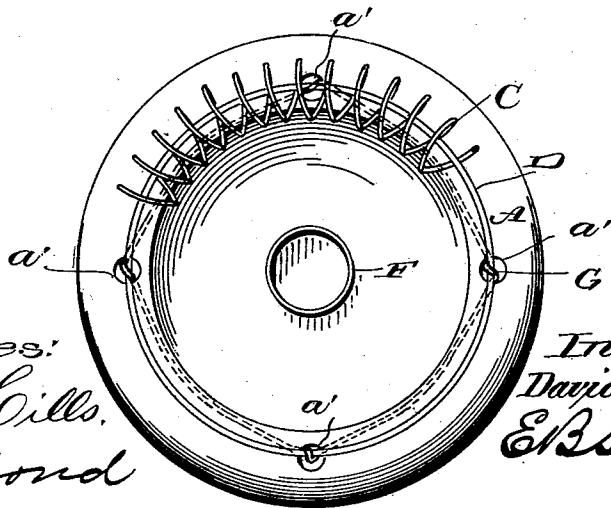


Fig. 4.



Witnesses:
L. C. Hills.
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Inventor:
David C. Pryor, by
E. B. Stocking, Atty.

UNITED STATES PATENT OFFICE.

DAVID C. PRYOR, OF OKLAHOMA, OKLAHOMA TERRITORY.

LANTERN.

SPECIFICATION forming part of Letters Patent No. 564,762, dated July 28, 1896.

Application filed October 9, 1895. Serial No. 565,168. (No model.)

To all whom it may concern:

Be it known that I, DAVID C. PRYOR, a citizen of the United States, residing at Oklahoma, in the county of Oklahoma, Oklahoma Territory, have invented certain new and useful Improvements in Lanterns, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to certain new and useful improvements in lanterns of that class in which provision is made for holding a globe or chimney of any desired size with a yielding pressure, and also having means for carrying the same, said means being designed to engage with and hold upon the chimney.

The present invention is designed, primarily, as an improvement upon the construction shown in my application filed April 10, 1895, Serial No. 545,189, and consists principally in the means for holding the spring at base and for adjustably connecting said spring with the spring surrounding the upper end of the chimney or globe; and also in means for attachment of the bail or other supporting device, and for allowing of the collapse of the bail for shipment or storage.

Other objects and advantages of the invention will hereinafter appear, and the novel features thereof will be particularly pointed out in the appended claims.

The invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification, and in which—

Figure 1 is a view of my improved lantern, partly in section and partly in elevation. Fig. 2 is a perspective view of one of the chains and its plate. Fig. 3 is a detail perspective of the top, showing its position on the supporting-chain. Fig. 4 is a top plan of the base with the chimney removed.

Like letters of reference indicate like parts throughout the several views.

Referring now to the details of the drawings by letter, A designates the base or foundation, which may be of any suitable material, such, for instance, as iron, tin, or brass, having the vertical annular flange A', terminating in the horizontal flange a, as seen in Fig. 1, and upon which horizontal flange

the chimney B is designed to rest, as shown in Fig. 1.

C is a spring-ring in the form of a coil resting upon the horizontal flange a of the base, and D is a ring concentric with and within the said spring-ring, as shown in Fig. 1, serving to retain the said ring in place and yet permit free movement of the coils or convolutions thereof. As shown in Fig. 1, this ring D is retained in position by the short wires d, which embrace the same after passing through openings in the horizontal flange of the base and are twisted or otherwise fastened. It will be observed that by this manner of connection the ring D is allowed slight vertical movement independent of the spring-ring.

The lantern may be adapted for either oil or a candle, in this instance being shown as adapted for and provided with a candle E, held in a suitable holder F on the base, as seen in Figs. 1 and 4, in which latter view the spring C and ring D are present, but the vertical and horizontal flanges of the base are dispensed with and the ring D is held to the base by a wire or cord G, which is arranged upon the under side of the base, being passed through openings a' therein and wrapped around the ring D at such openings, as shown. The operation and result are substantially the same as in the manner of connecting the ring shown in Fig. 1, and hereinbefore described.

In order to support or carry the lantern, I provide means adapted to embrace the upper end of the chimney and firmly hold the same, yet with sufficient elasticity to prevent breakage and to permit of the application of the same holder to different-sized chimneys. This holding means consists in this instance of the ring H of spring-wire in the form of an endless coil, which is applied by slipping the same over the upper end of the chimney, the resiliency of the coil or ring permitting of the ready passage of the chimney through the same and the rounded surfaces of the coils facilitating the insertion, and the faces of the coils or convolutions concentric with the chimney holding the same firmly.

The lantern may be supported or carried about by means of the bail or handle I, which in this instance is shown as of a circular piece

of wire with its ends formed into hooks or the like *i*, which are passed loosely through end links of the chains *J*, to the other ends of which are connected eyes *K* or the like, which have swiveled thereon the plates *L*, 5 which are concave or convex, as shown, and adapted to be inserted in the spring *H*, as shown, with the eyes *K* extending upward between two of the convolutions of said spring and the convex faces of the plates bearing 10 upon the upper under faces of the convolutions to which they practically conform. The upper and lower spring-rings *H* and *C* may be connected by similar chains *J'*, having 15 eyes *K'*, and similar plates *L'*, as seen in Fig. 1, the said plates being engaged in the convolutions of the lower spring and permitting of adjustment when necessary to regulate the distance between the springs *H* and *C* to accommodate chimneys of greater or less height. 20 Any suitable means may be provided for connecting the upper ends of the chain *J'* with the spring-ring *H*, such, for instance, as shown in Fig. 1, wherein snap-hooks or their equivalent *M* are joined by a link or swivel *m*, so as to allow of any requisite movement of the parts. The handle or bail *I* may be slipped 25 downward through the end loops of the chains *J* for shipment or storage.

30 *N* is a top or plate having openings at diametrically opposite points, as seen at *n*, through which pass the chains *J*, the said plate or top being designed to be held thereon by frictional engagement or contact at any desired height from the top of the chimney, so as 35 to prevent danger of burning of the hand in carrying the lantern about, and also to keep out the rain and snow which would tend to extinguish the lamp.

40 Modifications in detail may be resorted to without departing from the spirit of the invention or sacrificing any of its advantages. The form of base may be changed, and in Fig.

1 I have indicated by dotted lines one of the numerous forms which may be employed. 45

What I claim as new is—

1. The combination with the base and the spring coil-ring thereon and the chimney, of the coiled ring adapted to embrace the upper end of the chimney and adjustable means 50 connecting said rings, and held in the convolutions thereof substantially as specified.

2. The combination with the base, the chimney and a spring coiled ring, of a chain, and a convex disk secured thereto and adapted to be engaged in the convolutions of said spring, 55 substantially as specified.

3. The combination with the base and chimney and a spring-wire coil-ring, of a chain, and a convex plate swiveled to the end of said chain and adapted to be inserted within the convolutions of said spring-ring, substantially 60 as specified.

4. The combination with the base and a spring-wire coil-ring on the base in a similar ring around the top of the chimney, of a chain, a convex plate swiveled to the end of said chain and adapted to be inserted within the convolutions of said spring-ring, and a 65 bail slidingly engaged in the links of said chain, substantially as specified.

5. The combination with the base and chimney of a lantern and a spring-wire coil-ring and chains connected therewith and the plates swiveled to the ends of the chain, of a plate 75 having openings through which said chains pass and upon which chains the plate is frictionally and adjustably held, substantially as specified.

In testimony whereof I affix my signature 80 in presence of two witnesses.

DAVID C. PRYOR.

Witnesses:

CHAS. H. OGDEN,
MIKE CRENYAN.