

(No Model.)

2 Sheets—Sheet 1.

A. L. BARON & B. F. COCKAYNE.
LANTERN.

No. 482,671.

Patented Sept. 13, 1892.

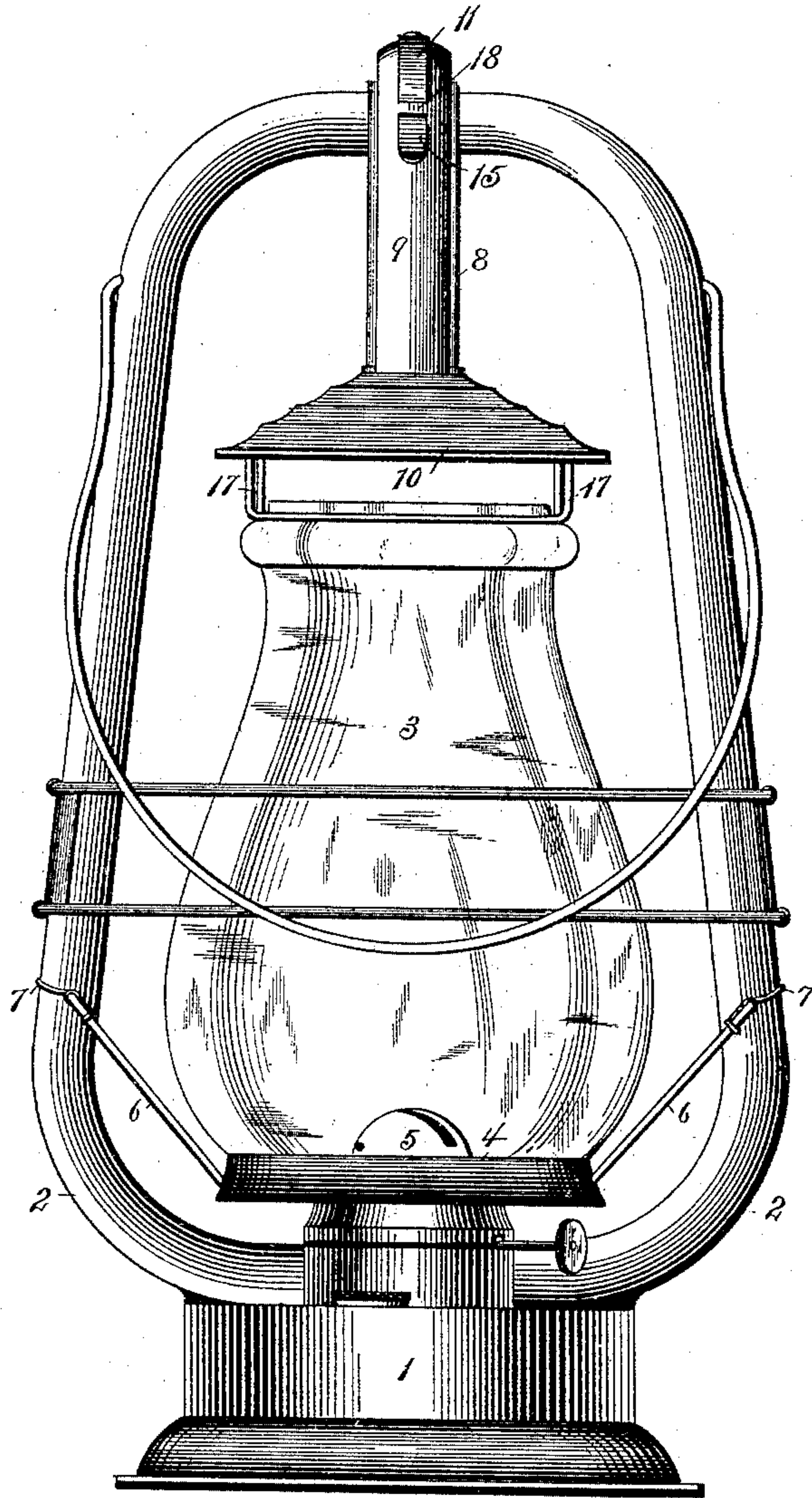


Fig. 1.

Witnesses

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Fig. 2.

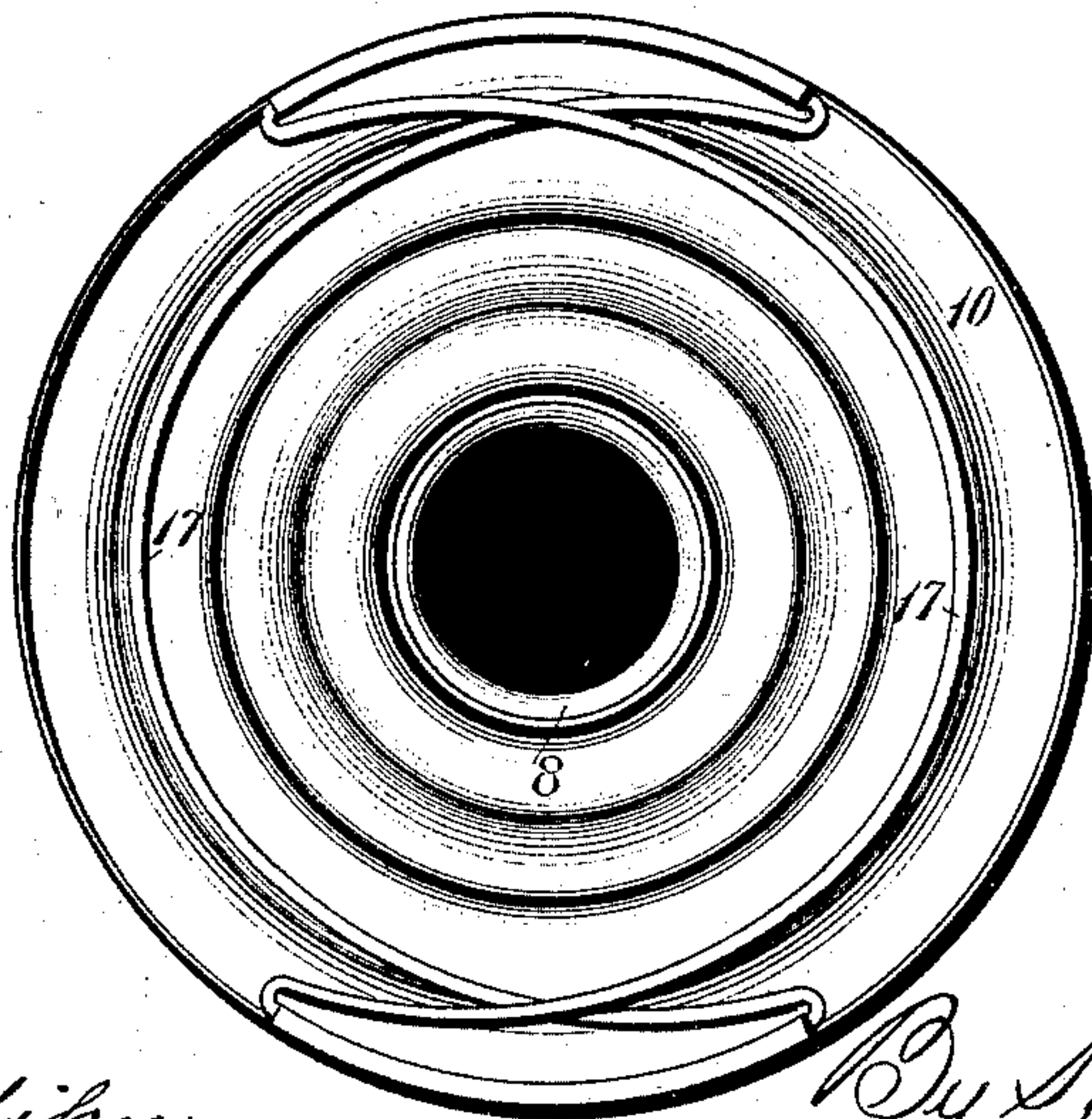
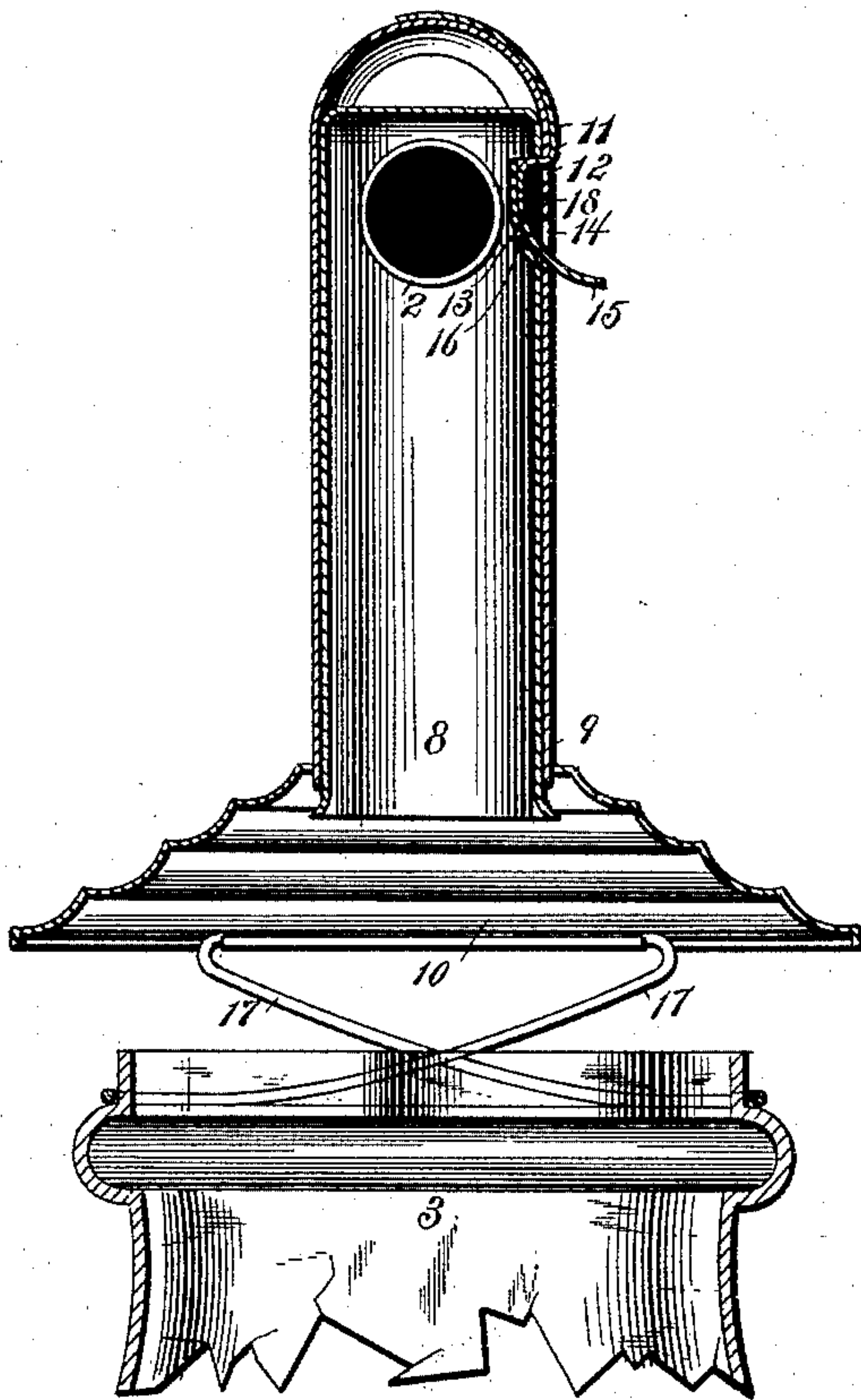


Fig. 3.

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UNITED STATES PATENT OFFICE.

ALFRED L. BARON AND BENJAMIN F. COCKAYNE, OF TIFFIN, OHIO.

LANTERN.

SPECIFICATION forming part of Letters Patent No. 482,671, dated September 13, 1892.

Application filed April 7, 1892. Serial No. 428,138. (No model.)

To all whom it may concern:

Be it known that we, ALFRED L. BARON and BENJAMIN F. COCKAYNE, of Tiffin, county of Seneca, and State of Ohio, have invented certain new and useful Improvements in Lant-
5 terns, of which the following is a specification, reference being had to the accompanying drawings.

The object of our invention is to produce
10 an improved device for retaining the globes or chimneys of lanterns in place, whereby globes of different lengths may be used in the same lantern without danger of their acci-
dental displacement.

Our invention also relates to improvements
15 in latches for holding the globe in place; and it consists in an improved form of latch, whereby its security is materially increased.

In the accompanying drawings, Figure 1 is
20 a side elevation of our lantern, showing the globe in place as in use. Fig. 2 is a central vertical section of the upper part of the lantern with the side tubes removed, and Fig. 3
25 is a bottom plan view of the cap-piece detached.

Referring to the figures on the drawings, 1
indicates the base of a lantern of any ordi-
nary and suitable construction, and 2 its tubes
30 or side supports, also of ordinary construc-
tion.

3 indicates a globe that in position is seated
upon a perforated base-plate 4, which sur-
rounds the burner 5 and holds the cap thereof
in place. The base-plate is preferably carried
35 upon springs, so as to tend to move toward the top of the lantern and press against the bottom of the globe when in place. For this purpose arms 6, pivoted in the sides of the tubes and actuated by springs 7, are prefer-
ably employed. From the junction of the
40 tubes above the burner a single tube 8 extends toward the burner, as usual. It is surrounded by an open-sided sleeve 9, which moves freely up and down the tube 8 and
45 which carries on its lower end a cap-piece 10. The sleeve is provided with a spring-latch 11, which consists of a leaf-spring fastened at one

end to the sleeve, preferably at its top. Ex-
tending downwardly, it passes through an
opening 12 in the side of the sleeve, forming
a catch 13, and extending outwardly through
50 another opening 14 it forms a thumb-piece or handle 15 for operating the latch. The strip
10 between the openings 12 and 14 consti-
tutes a guard for holding the spring in place. 55

16 indicates a notch in the upper part of the tube 8, which the catch 13 enters, and where-
by the sleeve is held securely in place.

Upon the bottom of the cap are secured
separate equal spring-loops 17, which are pref-
60 erably made of wire and preferably partially folded under the bottom edge of the cap and extend obliquely in opposite directions, cross-
ing each other on each side, preferably oppo-
65 site to the tubes of the lanterns, as illustrated. By this arrangement a practically continuous circle of wire surrounds the upper end of the globe, and the loops press with equal force upon the globe to hold it in place.

What we claim is—

1. In a lantern, the combination, with its
cap and suitable supporting parts, of a globe-
holder consisting of two separate equal spring-
loops fastened to the lower end of the cap and
extending obliquely in opposite directions, so
75 as to act with equal resiliency against the top of the globe and hold it in place, substan-
tially as and for the purpose specified.

2. In a lantern, the combination, with a
tube and supporting parts, of an open-sided
80 sleeve thereon adapted to carry a cap-piece, and a spring secured to the sleeve and pass-
ing around a guard formed between the open-
ings 12 and 14 to form a catch, and a notch
in the tube, substantially as and for the pur-
85 pose specified.

In testimony of all which we have hereunto
subscribed our names.

ALFRED L. BARON.
BENJAMIN F. COCKAYNE.

Witnesses:

HARRY TAGGART,
W. S. WAGNER.