

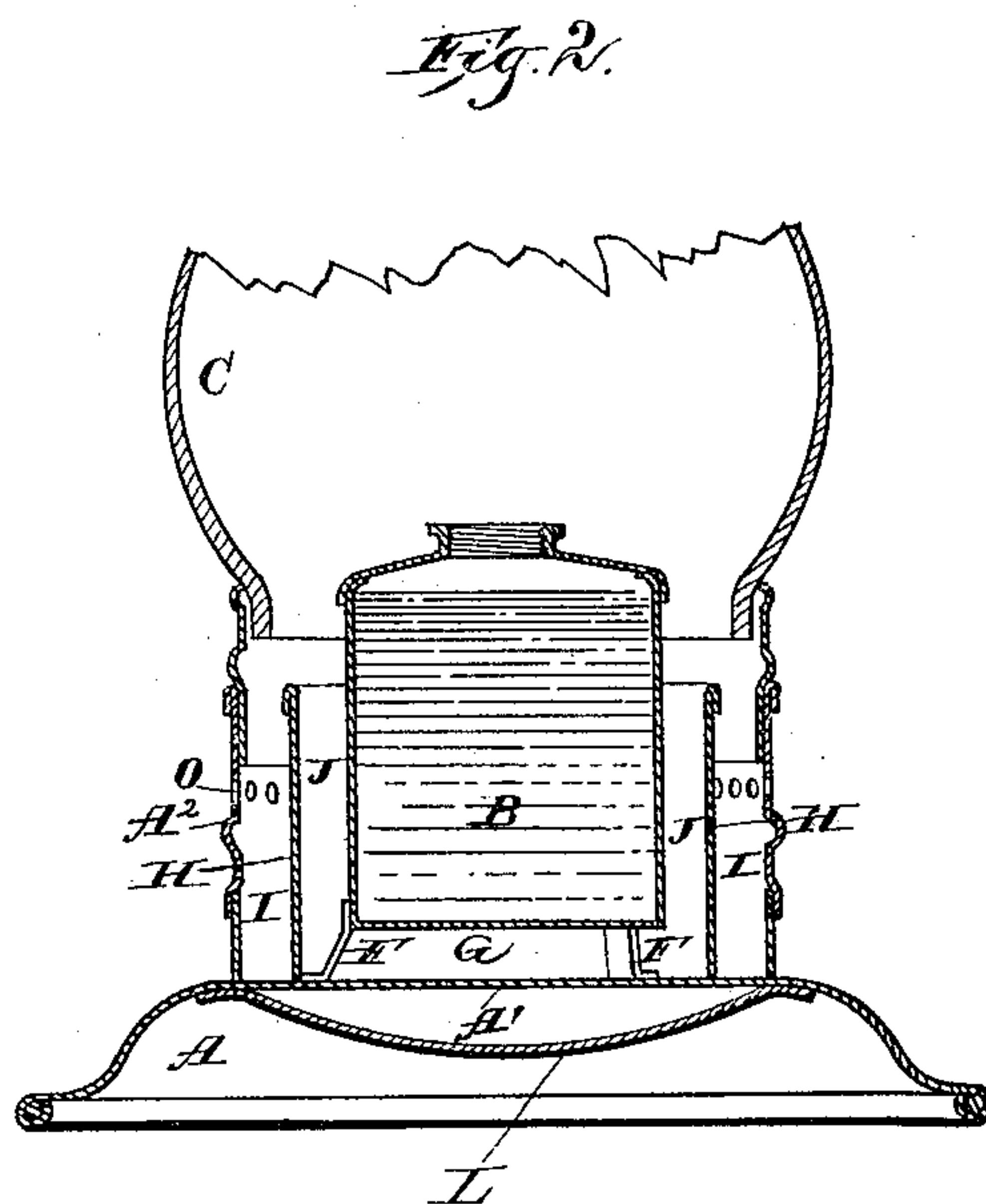
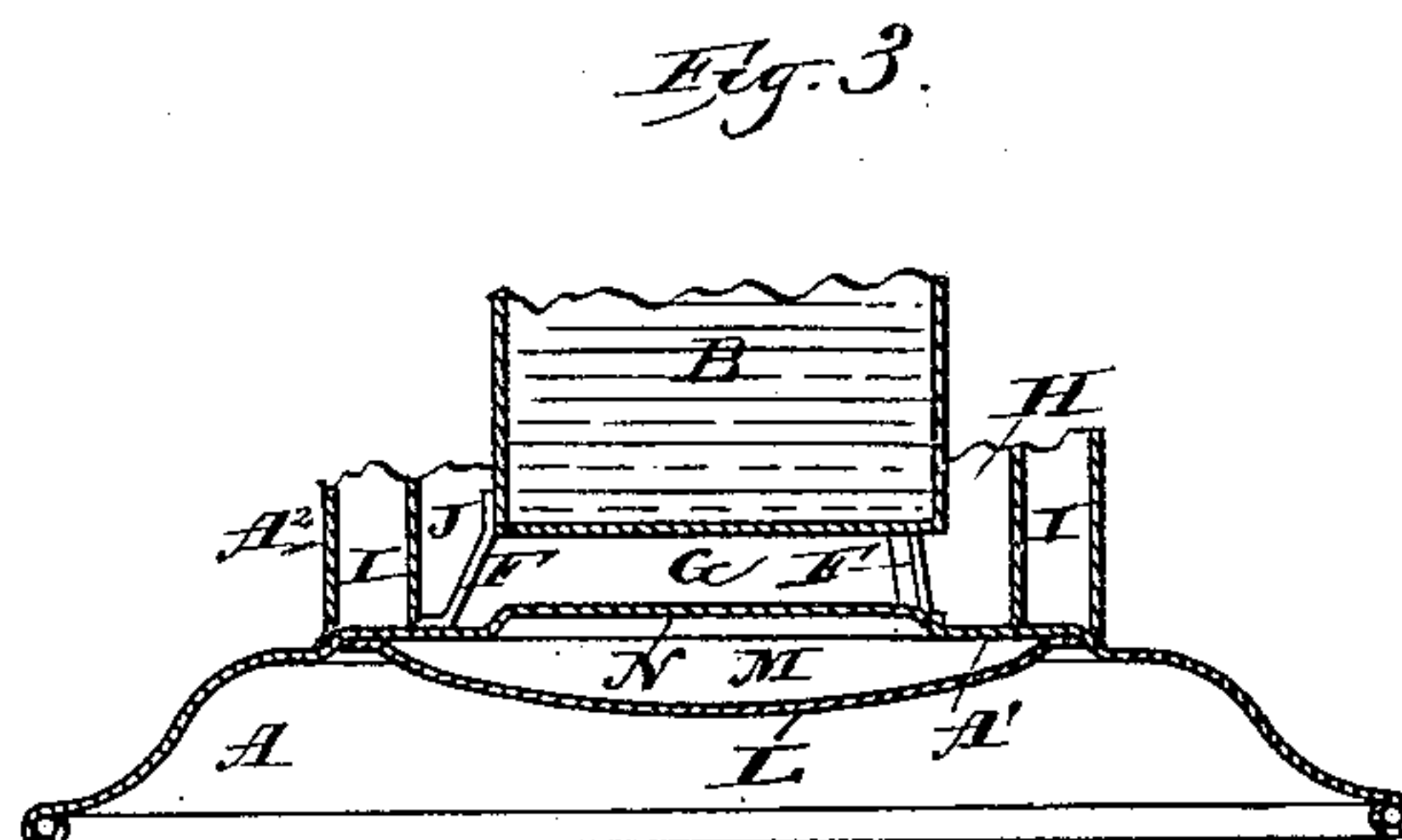
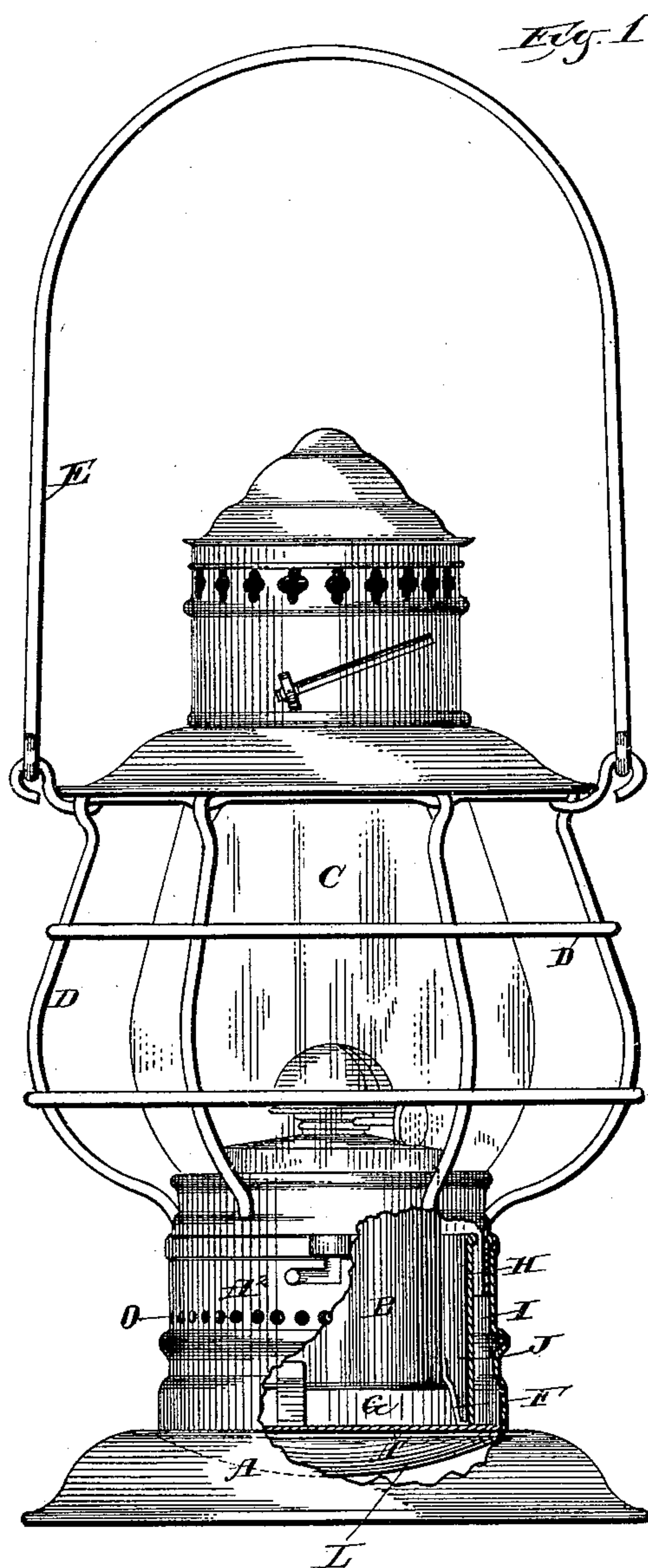
(No Model.)

A. LOEFFELHOLZ.

LANTERN.

No. 370,201.

Patented Sept. 20, 1887.



Witnesses:

E. G. Sumner
N. E. Oliphant

Inventor:

Adam Loeffelholz

By Jont H Underwood
Attorneys.

UNITED STATES PATENT OFFICE.

ADAM LOEFFELHOLZ, OF MILWAUKEE, WISCONSIN.

LANTERN.

SPECIFICATION forming part of Letters Patent No. 370,201, dated September 20, 1887.

Application filed November 19, 1886. Serial No. 219,339. (No model.)

To all whom it may concern:

Be it known that I, ADAM LOEFFELHOLZ, of Milwaukee, in the county of Milwaukee, and in the State of Wisconsin, have invented
5 certain new and useful Improvements in Lant-
terns; and I do hereby declare that the fol-
lowing is a full, clear, and exact description
thereof.

My invention relates to lanterns; and it con-
10 sists in certain peculiarities of construction
and combination of parts to be hereinafter de-
scribed with reference to the accompanying
drawings, and subsequently claimed.

In the drawings, Figure 1 represents an ele-
15 vation, partly in section, of a lantern em-
bodying my improvements; Fig. 2, a partial
vertical transverse section of the same, and
Fig. 3 a similar view of another form of my
invention.

Referring by letter to the drawings, A rep-
20 represents the base, B the oil-receptacle, C the
globe, D the globe-frame, and E the handle,
of a hand-lantern, all these parts, with the
exception of the base and oil-receptacle, be-
25 ing of the ordinary construction.

The oil-receptacle B is provided with a se-
ries of legs, F, that are generally soldered or
otherwise suitably secured to the bottom A'
30 of the base A, and thus I am enabled to se-
cure an air-space, G, beneath said oil-recep-
tacle, as shown.

To the bottom A' of the lantern-base A, I
solder or otherwise suitably secure a shell, H,
that comes inside the vertical portion A² of
35 said base and surrounds the oil-receptacle B,
whereby an air-space, I, is left between said
vertical portion of the lantern-base and the
shell, and another air-space, J, between this
shell and the body portion of said oil-recep-
40 tacle, the latter air-space communicating di-
rectly with the one, G, previously described,
to form a continuation thereof.

A convex disk, L, or other plate, is sol-
dered or otherwise secured upon the under
45 side of the bottom A' of the lantern-base A,
whereby a dead-air space, M, is formed be-
tween the opposing parts; and to increase the
area of this dead-air space I may centrally
bend up said bottom of the lantern-base, as
50 shown at N, Fig. 3. The dead-air space just
described serves to prevent the oil in the bot-
tom of the receptacle B from being affected
by cold when the lantern is left standing in an
exposed position.

The air necessary for combustion enters the 55
lantern through the usual perforations, O, in
the vertical portion A² of the base A, and
becomes heated before it enters the air-space
J between the shell H and oil-receptacle.

When the lantern is lighted, the combustion 60
above described enables me to obtain a circu-
lation of warm air all around the receptacle
B, and by this means, in addition to the dead-
air space M, prevent the oil therein from be-
65 coming thick or entirely frozen up, as is often
the case in cold weather with lanterns of the
ordinary construction, especially when used
by railway-brakemen and others in the open
air, for the reason that said lanterns are often
70 left standing in exposed positions for a con-
siderable length of time.

Although I have described my invention
more particularly in connection with a hand-
lantern it is obvious that the same may be
employed on other styles of lanterns or lamps. 75

Having thus fully described my invention,
what I claim as new, and desire to secure by
Letters Patent, is--

1. The combination of a lantern having a
non-perforated base, with a suitable plate se- 80
cured to the under side of said base, whereby
a dead-air space is formed between these op-
posing parts, substantially as set forth.

2. A lantern having the base thereof cen-
trally bent up, in combination with a suitable 85
plate secured to the under side of said base,
whereby an air-space is formed between these
opposing parts, substantially as set forth.

3. In a lantern, the oil-receptacle thereof
supported above the base, to leave an air- 90
space between the opposing faces of these
parts, a suitable shell interposed between the
vertical portion of the base and oil-recep-
tacle, to surround the latter, and a suitable
plate secured to said base upon the under side 95
thereof, whereby a dead-air space is formed
between these opposing parts, as set forth.

In testimony that I claim the foregoing I
have hereunto set my hand, at Milwaukee, in
the county of Milwaukee and State of Wiscon- 100
sin, in the presence of two witnesses.

ADAM LOEFFELHOLZ.

Witnesses:

H. G. UNDERWOOD,
N. E. OLIPHANT.