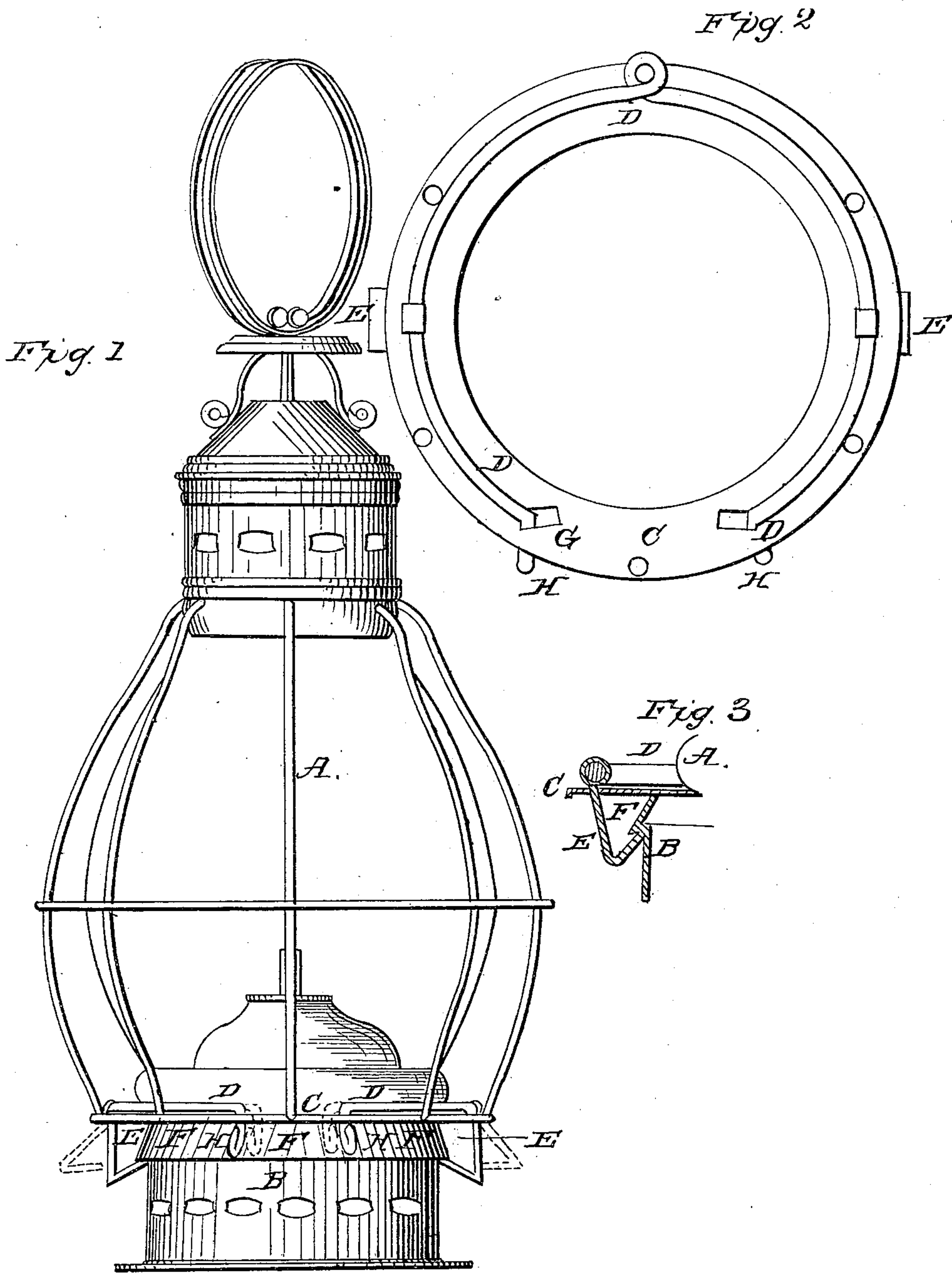


J. FLEMMING.

Lantern.

No. 20,785.

Patented July 6, 1858.



UNITED STATES PATENT OFFICE.

JNO. FLEMING, OF PITTSBURG, PENNSYLVANIA.

METHOD OF ATTACHING LAMPS TO LANTERNS.

Specification of Letters Patent No. 20,785, dated July 6, 1858.

To all whom it may concern:

Be it known that I, JOHN FLEMING, of
Pittsburg, in the State of Pennsylvania,
have invented an Improved Mode of Attach-
ing Lamps to Lanterns; and I do hereby
declare the following to be a correct descrip-
tion of the same, reference being had to the
accompanying sheet of drawings, in which—

Figure 1, is a perspective view of the
lantern complete; Fig. 2, is a top view of the
bottom plate of the lantern; Fig. 3, is a
vertical section of a part of the lantern and
lamp case, showing the attaching device.

The nature of my invention consists in
the arrangement of parts, hereinafter more
particularly described, for effecting an in-
stantaneous attachment or detachment of
the lamp of a lantern.

In the drawings, A marks the body of the
lantern; B the case or holder of the lamp;
C the bottom plate of the lantern; D the
spring; E, E, the clips; F the conical ring;
G, the slots in which the thumb and finger
pieces H, H, work.

The same letter indicates the same part
in all the figures.

I make the lantern in any of the known
forms. On its lower plate C, I place a
spring D as shown in Fig. 2. The ends
of this spring pass through the slots G, G,
and are then turned up to form the thumb
and finger pieces H, H, by which the
spring is compressed when desired. The
compression is effected by bringing the
pieces H, H, nearer together so as to occupy
the positions shown by dotted lines in Fig.
1. Attached loosely to the spring D are

clips E, E, the shanks of which pass up
through a small slot in plate C and are bent
around spring D as clearly shown in Fig. 3. 40
The expansion of the spring forces the
shank of the clip outward and the lower
part of the clip inward until it grasps the
conical ring F and holds the lamp case B
securely to the lantern. When the spring is 45
compressed, by means of the thumb and
finger pieces H, H, the clips are forced apart,
into the position shown by dotted lines in
Fig. 1, and release the ring F, allowing the
lamp case B to become detached by its own 50
weight.

The lamp can be attached and detached
in any relative positions of B and C, and
as readily in the dark as in the light. The
operation can moreover be performed with- 55
out liability to soil the hands with oil in
handling.

Having thus described my invention, what
I claim and desire to secure by Letters
Patent is— 60

The combination of the spring D, with the
clips E, E, and the ring F, for the purpose
of effecting the attachment and detachment
of the lamp of a lantern, all substantially
in the manner hereinbefore described and 65
shown.

The above specification signed and wit-
nessed this fourteenth day of June A. D.
1858.

JOHN FLEMING.

Witnesses:

WM. W. THOMSON,
AND. McMASTER.