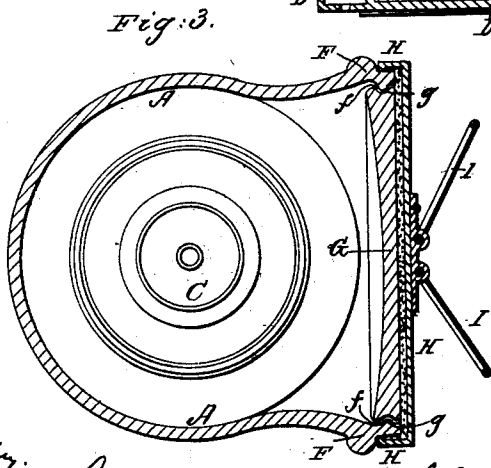
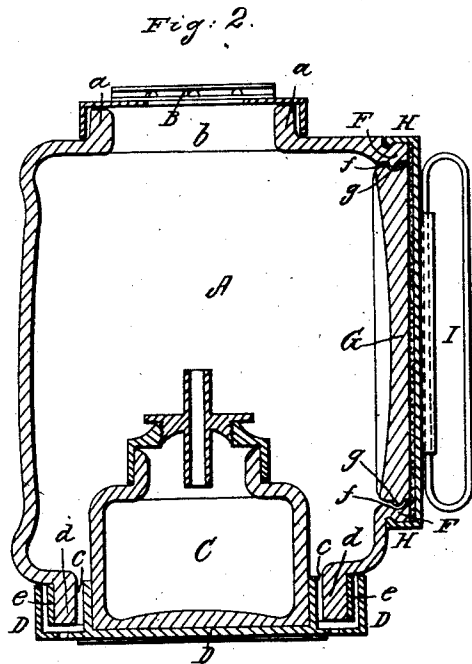
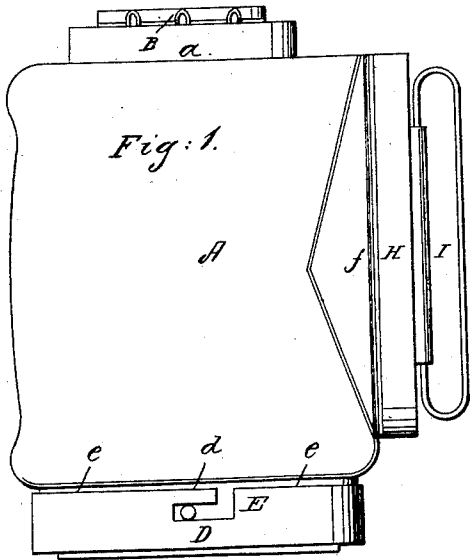


A. E. YOUNG.
Reflecting Lantern.

No. 35,194.

Patented May 6, 1862.



Witnesses:
R. H. Ledy.
Ch. P. Hale, Jr.

Inventor:
Alonso E. Young.

UNITED STATES PATENT OFFICE.

ALONZO E. YOUNG, OF DORCHESTER, MASSACHUSETTS.

REFLECTING-LANTERN.

Specification forming part of Letters Patent No. 35,194, dated May 6, 1862.

To all whom it may concern:

Be it known that I, ALONZO E. YOUNG, a citizen of the United States of America, and a resident of Dorchester, in the county of Norfolk and State of Massachusetts, have invented an Improved Reflecting-Lantern; and I do hereby declare the same to be fully described in the following specification and illustrated in the accompanying drawings, of which—

Figure 1 is a side elevation, Fig. 2 a longitudinal section, and Fig. 3 a horizontal and transverse section, of the said lantern.

It is customary to make the cases of lanterns of glass blown in one entire piece and provided with openings and necks both at top and bottom, those at the top being for the reception of a metallic smoke-cap, while those at the bottom are for the introduction and fixation of a lamp. Such lanterns it has been generally deemed very difficult if not impossible to provide with a reflector, because the body of the lantern, being round and of glass, presented no easy means of supporting a reflector and fixing it in place.

In carrying out my invention the glass body of the lantern is to be constructed with a third or lateral opening and neck, and such neck to be provided with means of supporting a reflector. On the neck a metallic cap or cover is to be placed, the handle or handles of the lantern being affixed to such cover.

In the drawings, A exhibits the glass body of the lantern, while B is its smoke-cap, fitted to the neck *a* of an opening, *b*, made in the upper end of the said body. The lower end of the body is also furnished with an open-

ing, *c*, made through a neck, *d*, for the reception of metallic ring *e*, which encompasses it and is cemented on it.

The lamp C rests in a holder or cup, D, which is secured to the opposite parts of the ring *e* by bayonet-connections, one of which is exhibited at E.

The lamp-body A has a third opening or socket, *f*, through its side and provided with a cylindrical neck, F, the inner surface of which is to have four or any other suitable number of teats or projections, *g*, or the equivalent thereof, extended from it. Against these latter there is placed a circular reflector, G, which may be concave on its reflecting-surface, or that which is next to the lamp. I cover the said neck and reflector and so as to preserve the latter in place by a metallic cap, H, to the outside surface of which one or more handles, I I, may be affixed. The cap H is to be firmly cemented on the neck.

The reflector I prefer and design to use is to be made of glass and in the form of a flat concavo-convex hollow vessel silvered on its inner surface.

I claim—

A glass lantern-body as constructed with a lateral neck and opening or socket arranged relatively to its top and bottom necks and openings and for the reception and fixation of a reflector, substantially as specified.

ALONZO E. YOUNG.

Witnesses:

R. H. EDDY,
F. P. HALE, Jr.