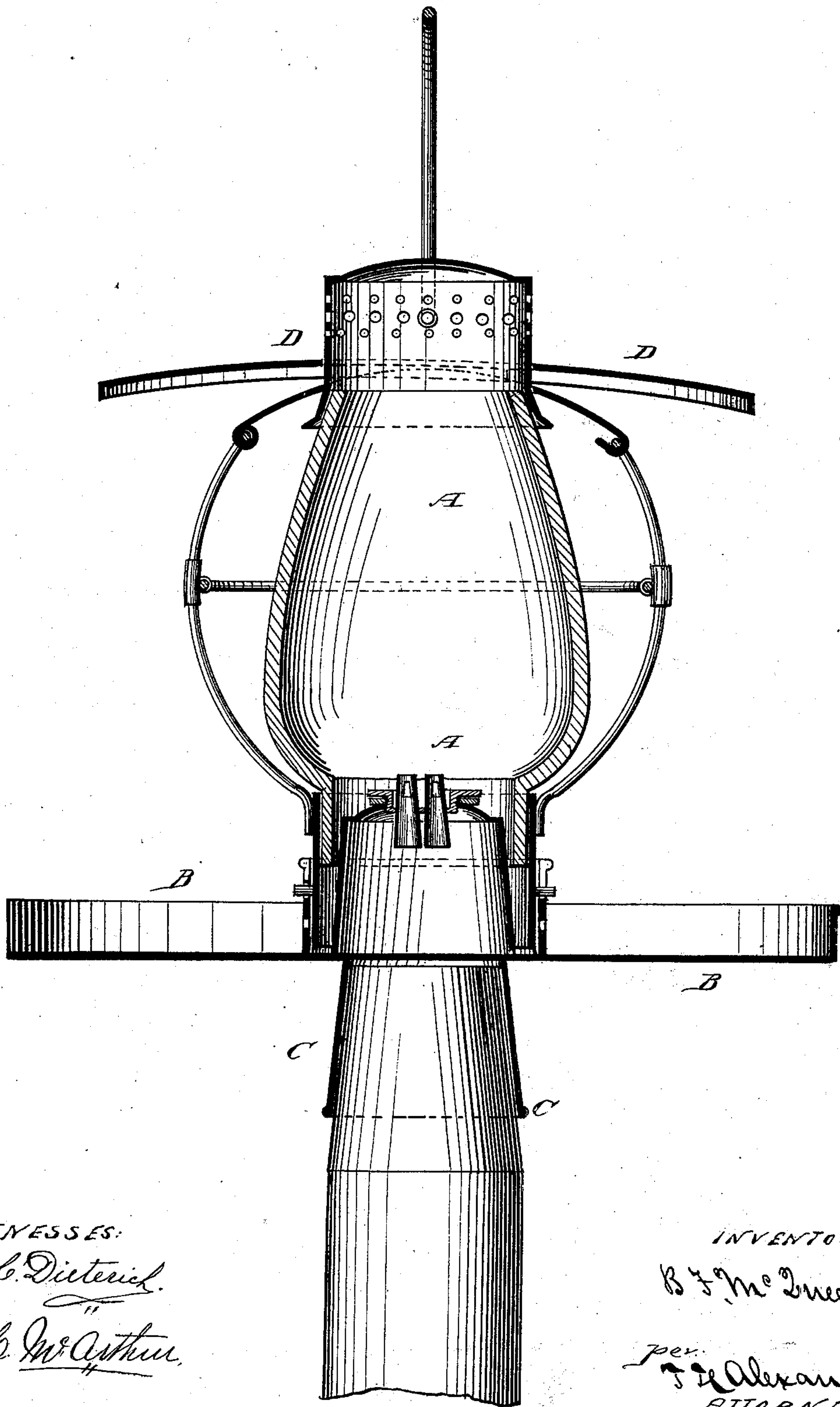


B. F. McQUEEN.

Lantern for Trapping Insects.

No. 166,124.

Patented July 27, 1875.



WITNESSES:

P. C. Dieterich.

H. C. McArthur.

INVENTOR:

B. F. McQueen

per. *J. H. Alexander*
ATTORNEY.

UNITED STATES PATENT OFFICE.

BENJAMIN F. McQUEEN, OF MANACK, ALABAMA.

IMPROVEMENT IN LANTERNS FOR TRAPPING INSECTS.

Specification forming part of Letters Patent No. **166,124**, dated July 27, 1875 ; application filed June 9, 1875.

To all whom it may concern:

Be it known that I, B. F. McQUEEN, of Manack, in the county of Lowndes and State of Alabama, have invented certain new and useful Improvements in Lanterns for Trapping Insects; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form part of this specification.

The nature of my invention consists in the combination of certain devices with an ordinary lantern for the purpose of decoying and capturing the boll and cotton caterpillar moth, or other millers hurtful to garden, orchard, or apiary, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, which represents a vertical section of a lantern embodying my invention.

A represents an ordinary lantern, constructed in any of the known and usual ways. Around the base of this lantern is attached a shallow basin, B, of any suitable dimensions—say, for instance, thirteen inches in diameter, and two inches deep. Immediately below this basin, and attached to it, is a tube, C, of proper dimensions, to facilitate the using of the lan-

tern in the field, by being placed on the post or stake. At the top of the lantern is a horizontal screen, D, of tin, forming a reflector to economize the light by throwing it outward. Another and very important object and effect of this reflector is to precipitate the insects into the pan below. Many of the insects will flutter, and ascend the sides of the lamp with considerable rapidity, thus coming in contact with the reflector, and causing them to fall into the pan, which contains water, sirup, or some other suitable liquid for destroying them.

The advantage in thus constructing my insect-destroyer is, that the light is equally diffused in all directions, thus alluring many more insects than is done where the light is partially obstructed.

I am aware that it is not new to use a lantern and pan for the purpose herein described, and therefore do not claim these features, broadly; but

What I claim as new, and desire to secure by Letters Patent, is—

In combination with the lantern A and pan B, the reflector D, placed at the top of the lantern, as and for the purposes herein set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

BENJAMIN F. McQUEEN.

Witnesses:

W. G. BECKWITH,
B. W. YOUNG.