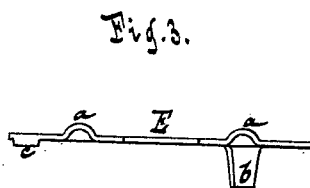
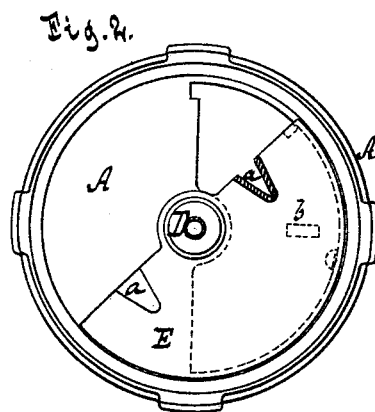
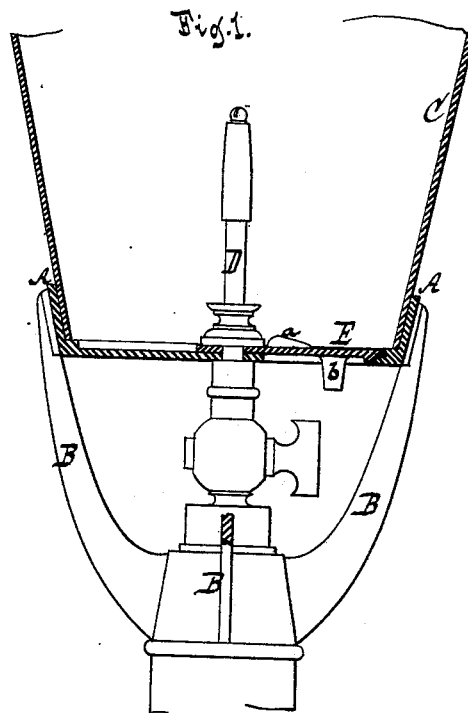


H. IDEN.
Lantern.

No. 219,730.

Patented Sept. 16, 1879.



Witnesses:
Otto Stufeland
William Miller

Inventor.
Henry Iden.
by Van Gasteroord & Hauff
his attorneys.

UNITED STATES PATENT OFFICE.

HENRY IDEN, OF NEW YORK, N. Y.

IMPROVEMENT IN LANTERNS.

Specification forming part of Letters Patent No. **219,730**, dated September 16, 1879; application filed July 10, 1879.

To all whom it may concern:

Be it known that I, HENRY IDEN, of the city, county, and State of New York, have invented a new and useful Improvement in Lanterns, which invention is fully described in the following specification, reference being had to the accompanying drawings, in which—

Figure 1 is a vertical central section of a lantern. Fig. 2 is a plan view, partly in section. Fig. 3 is an edge view of the register.

Similar letters indicate corresponding parts.

This invention consists in a lantern provided with a supporting-cup, having its bottom partially cut away, a pipe passing through said bottom, and a register turning about said pipe, said register having certain portions of its edge raised, so as to allow any moisture in the supporting-cup to flow out, as will be hereinafter more fully set forth.

In the drawings, the letter A designates the supporting-cup. This cup A rests on arms or brackets B, rising from a supporting-post; or said arms may be fastened to the wall of a building, or attached in any other suitable place or manner. This supporting-cup A carries the dome or glass case C of the lantern. Through the bottom of this cup passes the pipe D, conveying gas, vapor of naphtha, or any other suitable combustible. Said pipe may also be replaced by the burner of an oil-lamp rising up through said bottom. The bottom of this cup A is partially cut away, as shown in Fig. 2, through which opening the gas is lighted, the dome cleaned, and the like. E represents a register turning about the pipe D, and which is moved by the handle b.

When the gas is lighted, the register is closed, and the light will not be put out by any high wind. The projection c, Fig. 3, on the register E prevents said register from being turned too far by striking against the edge of the bottom of the cup A.

The register E has portions a a of its rim slightly raised, Fig. 3. The object of these elevations is to allow any moisture that may gather in the bottom of the cup A to flow out through the same when the register is closed.

When these lanterns are used on a sea-beach, or other place where the air is often damp, moisture is liable to collect in the bottom of cup A, and unless the same could flow off it would dim the walls of the dome C as soon as the gas was lighted and the lantern slightly heated. By allowing the moisture to flow off through the elevations a a this objection is entirely overcome.

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

A lantern provided with a supporting-cup, A, having its bottom partially cut away, pipe D, rising up through said bottom, and register E, turning about said pipe, said register having portions of its edge raised, substantially as described, and for the purpose set forth.

In testimony whereof I have hereunto set my hand this 9th day of July, A. D. 1879.

HENRY IDEN.

Witnesses:

W. HAUFF,
CHAS. WAHLERS.