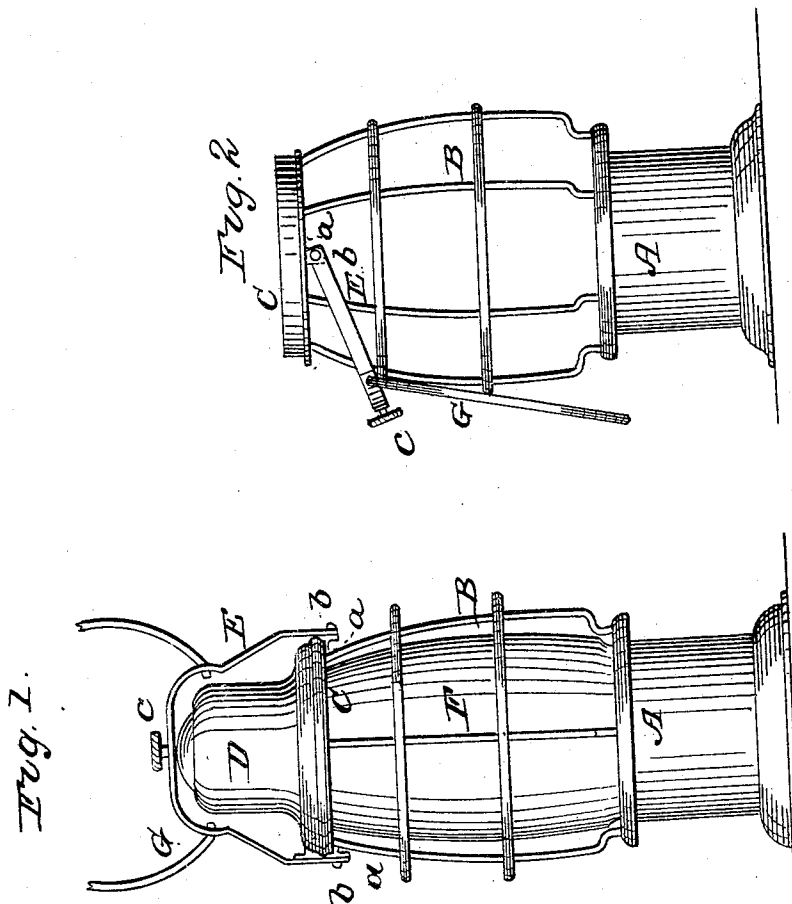


N. THOMPSON.

Lantern.

Patented April 27, 1869.

No. 89,520.



witnesses

W. Morris Smith
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Inventor

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United States Patent Office.

NATHAN THOMPSON, OF BROOKLYN, E. D., NEW YORK.

Letters Patent No. 89,520, dated April 27, 1869.

IMPROVEMENT IN LANTERNS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, NATHAN THOMPSON, of Brooklyn, E. D., in the county of Kings, and State of New York, have invented a new and useful Improvement in Lanterns, of which the following is a full, clear, and exact description, reference being had to the accompanying drawing, forming part of this specification, and in which—

Figure 1 represents a side view of a lantern with my improvement applied to it; and

Figure 2, a similar view, taken at right angles to fig. 1, of the base and guard-portion of the lantern, with the cap and glass removed.

Similar letters of reference indicate corresponding parts in both figures.

This improvement relates to a swinging attachment of a bail, or loop, arranged to pass over the top of the lantern, and provided with a set-screw, or other suitable locking-device, to retain it in place for the purpose of facilitating the removal and replacement of the glass with every security for its retention when in its place, on the base portion of the lantern, as represented and described in an application made by me, for which Letters Patent have been allowed.

In the present improvement, as in the previous one, just referred to, the handle is pivoted to said glass-retaining bail, or loop, so that in passing or swinging the bail to or from its place over the top of the lantern, the handle is carried with it, and thereby suitably located for carrying-purposes, and so that it is out of the way, when necessary to remove or replace the glass; but instead of pivoting such securing-bail to the base, or lamp-portion of the lantern below, and making the guard, or cage, with its cap attached thereto, removable, I provide the upper ring of the guard with lugs, to form pivots for the swinging bail, which may thus be made much shorter than in any previous arrangement, and the guard be retained as a permanent fixture, to the better protection of the glass, and the cap only made removable, for the purpose of taking out or putting in said glass.

Referring to the accompanying drawing—

A represents the base, or lamp-holding portion of the lantern; and

B, the guard, or cage, which may be permanently secured thereto, and which carries, at its top, a ring,

C, on opposite sides of which are lugs, *a a*, arranged to form pivots, *b b*.

D is the lantern-cap, which is made to fit loose over the ring C, so as to be capable of being lifted on and off the same, said cap, when on or down, resting on the flange-portion of such ring.

E is the swinging, or securing-bail, which is freely attached to the pivots *b b*, of the ring C, and of suitable length to swing over the top of the cap, said bail being provided, at its top, with a set-screw, *c*, which serves to lock, or hold the cap down on the ring, and thus make certain, or positive, the retention of the glass F.

Hinged, or pivoted to said bail is the handle, G, of the lantern.

When necessary to take out the glass F, it is only necessary to slacken the screw *c*, and swing, or throw over the bail E, as represented in fig. 2, when the cap D may be removed, and the glass F lifted out through the ring C.

After the glass is replaced again in like manner, that is, by entering it from above through the ring C, the cap D is put on, the bail E returned to its vertical position, and the screw *c* adjusted, to hold down the cap.

By this arrangement, the guard B may remain a fixture, and thus the glass is secured, even if it be neglected to replace the cap D, while the shortness of the bail E, as compared with a pivoted attachment of it to the base-portion of the lamp, not only economizes construction, but is, in some respects, more handy and convenient.

I do not claim a lantern-cap, hinged to the top of the guard, with the bail pivoted thereto, as that has been done before; but

What is here claimed, and desired to be secured by Letters Patent, is—

The securing-bail, or loop E, pivoted, as at *b b*, to an upper ring, C, of the guard B, and provided with a set-screw, *c*, or other suitable locking-device, in combination with the lantern-cap D, made removable from said guard, substantially as specified.

NATHAN THOMPSON.

Witnesses:

FRED. HAYNES,
J. W. COOMBS.