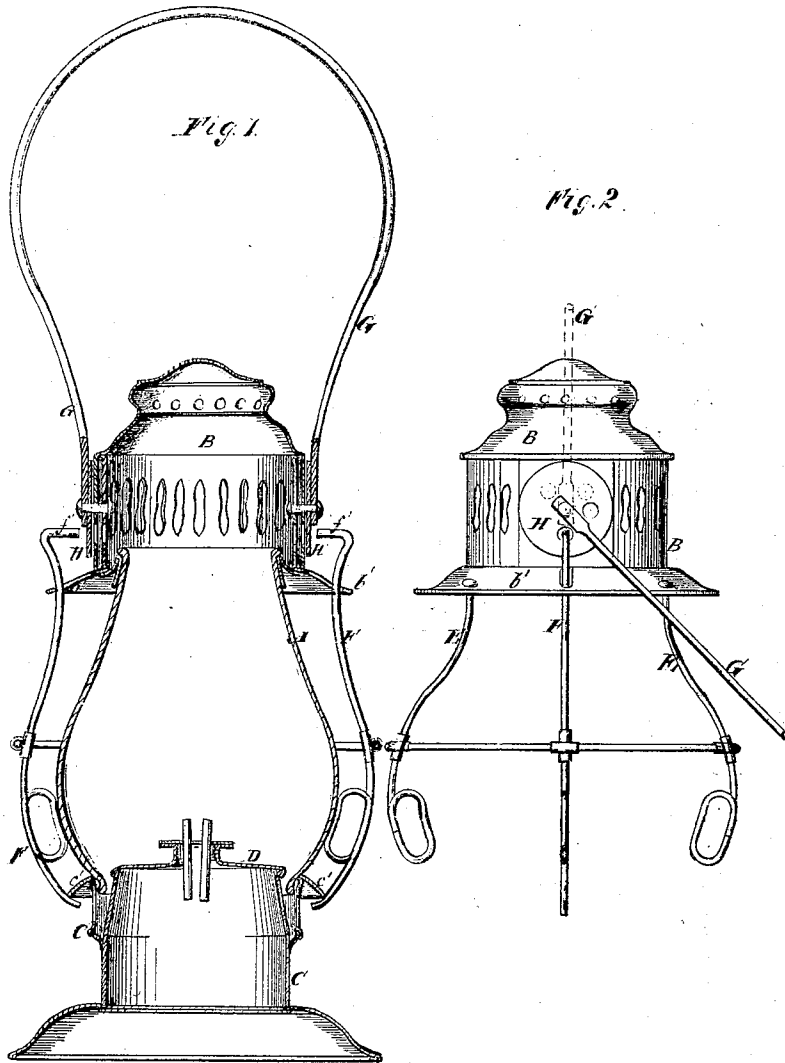


S. PETERS.

LANTERN.

No. 102.858.

Patented May 10, 1870.



Witnesses:

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Inventor:

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# United States Patent Office.

SAMUEL PETERS, OF CRESCENT, NEW YORK.

Letters Patent No. 102,858, dated May 10, 1870.

## 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, SAMUEL PETERS, of Crescent, in the county of Saratoga and State of New York, have invented a new and useful Improvement in Lanterns; and I do hereby declare the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings forming part of this specification, in which—

Figure 1 is a detail vertical section of a lantern to which my improvement has been attached.

Figure 2 is a detail side view of the upper part of the same.

Similar letters of reference indicate corresponding parts.

My invention has for its object to improve the construction of lanterns so as to make them simpler in construction, and, at the same time, convenient and safe in use, enabling the upper or globe part of the lantern to be detached from the lower or lamp part with one hand; and

It consists in the construction of the guards and of the guards for the spring-catches, as hereinafter more fully described.

A is the globe, the upper end of which fits into the mouth of the top-cap B, and the lower end of which fits into the mouth of the lower part C of the lantern that contains the lamp D.

E are the guards, the upper ends of which are secured to the flange of the cap B, and which extend down at a little distance from the outer surface of the globe A, to the shape or curve of which they somewhat correspond, to protect the said globe from accidental blows that might break it.

The lower ends of the guards E are coiled or bent as shown in fig. 2, so as to press inward and upward against the sides of the globe A, below the swell of the said globe, to hold it in its place in the cap B, and hold it in such a way as to prevent its shaking about or rattling.

The guards E may be curved or bent, so as to press against the globe above the swell, if desired.

F are the spring-catches, the upper ends of which pass up through slots in the flange B' of the cap B, and which are coiled or bent in their lower parts to rest against the outer surface of the globe A, below its swell, being made similar in their general form to the guards E.

The lower ends of the spring-catches F are bent inward to form hooks or catches, which take hold of the flange C' of the part C to hold the said part C in place upon the lower end of the globe A.

By this construction, by pressing the upper ends

of the spring-catches F inward, the upper or globe part of the lantern may be raised from the lower or lamp part by the same hand that operates the said catches.

The middle parts of the guards E and spring-catches F are soldered or otherwise securely attached to a ring or band to keep them in their proper relative positions, and which serves as a pivot or fulcrum to the spring-catches F.

The lower ends of the guards E are left free and without the ring or band, to which lantern-guards are usually attached.

G is the bail, the ends of which are pivoted to the opposite sides of the cap B.

To the ends of the bail G are soldered or otherwise securely attached, disks, H, as shown in figs. 1 and 2.

The disks H have holes formed through them, upon each side of the ends of the bail G, to allow the ends of the spring-catches F to pass through them when the bail G is turned down upon either side.

The upper ends *f'* of the spring-catches F are turned or bent inward, as shown in fig. 1, so that the upper ends of the spring-catches F cannot be pushed inward to release the part C, unless the bail G is turned down into such a position that the said bent ends *f'* of the said spring-catches F may pass through the holes in the said disks H.

In all other positions of the bail G the disks H serve as guards to prevent the parts of the lantern from being detached, by presenting the solid parts of the said disks H for the said bent ends of the said upper ends of the spring-catches to strike against.

The parts of the cap B, against which the disks H rest, may be flattened, as shown in the drawings, if desired.

Having thus described my invention,

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

1. The guards E, F, either or both, when bent or coiled in their lower and upper parts, either or both, to adapt them to hold the globe A in place by their elastic pressure, substantially as herein shown and described.

2. The perforated disks H, in combination with the bail G and bent upper ends *f'* of the spring-catches F, substantially as herein shown and described for the purpose of guarding the parts of the lantern from accidental detachment.

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Witnesses:

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