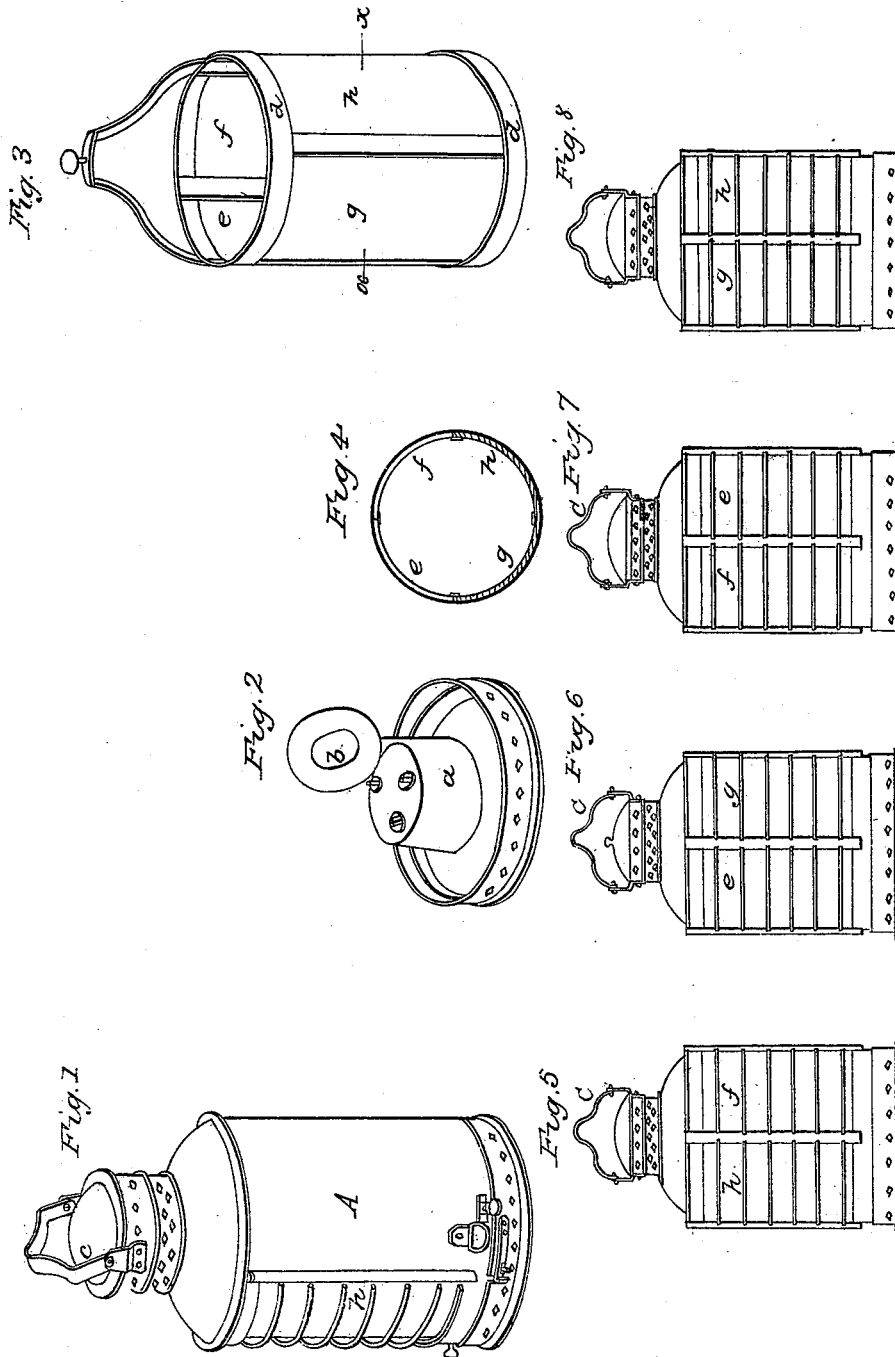


G. CALLARD.
Signal Lantern.

No. 6,617.

Patented July 31, 1849.



UNITED STATES PATENT OFFICE.

GEORGE CALLARD, OF BUFFALO, NEW YORK.

SIGNAL-LANTERN.

Specification of Letters Patent No. 6,617, dated July 31, 1849.

To all whom it may concern:

Be it known that I, GEORGE CALLARD, of Buffalo, in the county of Erie and State of New York, have invented a certain new and useful Improvement in Signal-Lanterns, of which the following is a full, clear, and exact description, reference being had to the accompanying drawing, which forms part of this specification, in which—

10 Figure 1 is a perspective view of the lantern complete; Fig. 2 a perspective view of the lamp tray, Fig. 3 a perspective view of the glass cylinder, Fig. 4 a section of the same at the line *x x* of Fig. 3, and Figs. 15 5, 6, 7, and 8 views of the lantern showing different positions of the glass cylinder as hereinafter described.

The same letters indicate the same parts in all the figures.

20 My invention consists of a revolving cylinder, having a particular arrangement of colored and plain glass by various combinations of which the different signals are made, and all positions in which a sailing vessel may be placed are indicated.

25 My lantern has an outer case A of brass or other suitable material, with an opening to allow the light to pass through, which occupies nearly one half of its circumference, to the bottom of this case is attached the lamp tray Fig. 2, having a lamp *a* furnished with a reflector *b* to increase the intensity of the light.

30 A handle or bail *c* is hinged to the upper part of the lantern by which it is carried or suspended. Within the case A is placed a cylindrical frame *d* Fig. 3 containing four

glass segments *e f g h*, the first two *e f* of these are of plain colorless glass, *g* is stained green, and *h* is red. The cylindrical frame 40 may be turned by a bail attached to its upper ring, the knob of which projects above the dome of the case (see Figs. 3 and 6).

In the card of "Regulations to be Observed by Steamers and other Vessels," recently published at Buffalo, and adopted by 45 masters and owners of vessels it is stated that vessels on the starboard tack shall show a red light, vessels on the larboard a green light and vessels before the wind or at anchor a natural white light. My revolving 50 cylinder lantern is of itself capable of making all these signals, without requiring the use of additional lights; thereby saving considerable expense and trouble, and as but 55 one signal can be made at a time the chances of mistake are greatly lessened. For example in Fig. 5 the cylinder is turned so as to show a red and white light, in Fig. 6 a green light, in Fig. 7 a natural white light 60 alone, while by turning the cylinder to the position represented in Fig. 8 both red and green are exhibited at the same time, which signal I propose to use in case of distress.

What I claim as my invention and desire 65 to secure by Letters Patent is—

The revolving cylinder of colored and plain glass arranged in a portable signal lantern in the manner and for the purpose herein set forth.

GEORGE CALLARD.

Witnesses:

T. N. PARMELEE,
M. E. GILBERT.