

(No Model.)

C. LANGE.
SHIP'S BUOY.

No. 578,342.

Patented Mar. 9, 1897.

Fig. 1.

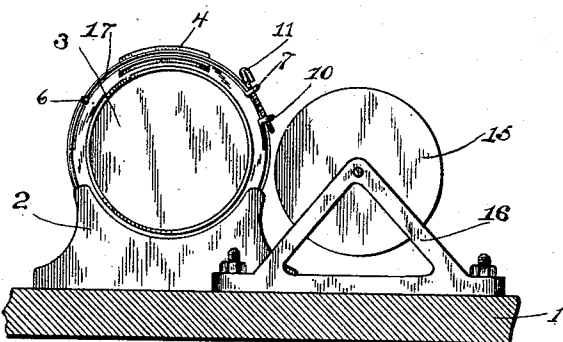


Fig. 2.

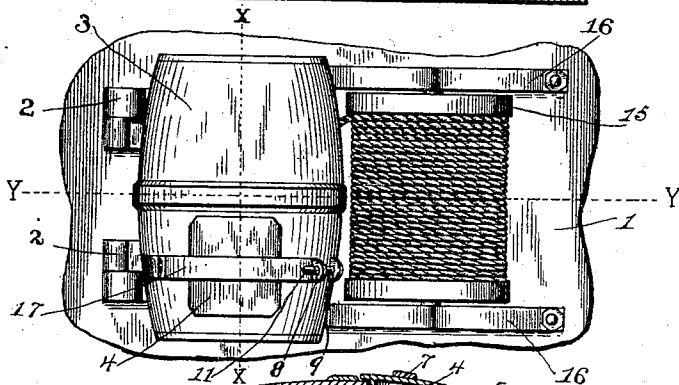


Fig. 3.

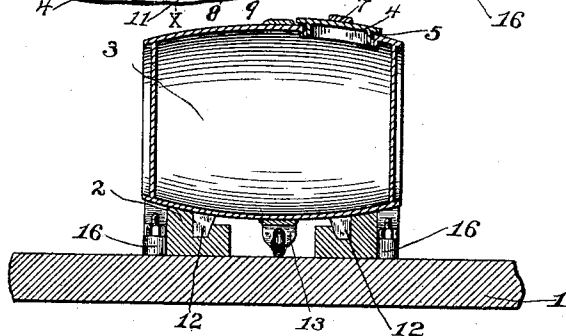
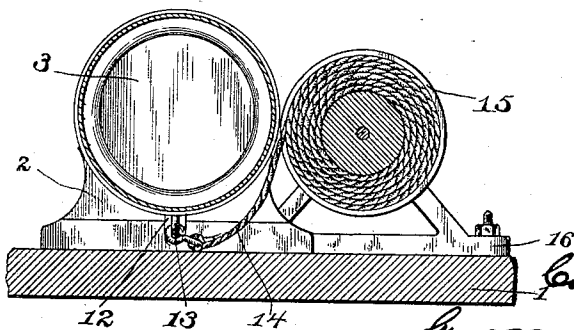


Fig. 4.



Witnesses

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UNITED STATES PATENT OFFICE.

CARL LANGE, OF MARSHALL, MINNESOTA.

SHIP'S BUOY.

SPECIFICATION forming part of Letters Patent No. 578,342, dated March 9, 1897.

Application filed August 17, 1896. Serial No. 602,971. (No model.)

To all whom it may concern:

Be it known that I, CARL LANGE, a citizen of the United States, and a resident of Marshall, in the county of Lyon and State of Minnesota, have invented a certain new and useful Improvement in Ships' Buoys, of which the following is a description.

My invention relates to buoys, my object being to provide a device of this character which will be serviceable, cheap to manufacture, and durable in use.

In the drawings, Figure 1 is a side elevation of my device; Fig. 2, a plan view thereof; Fig. 3, a section on line *x x* of Fig. 2, and Fig. 4 a section on line *y y* of Fig. 2.

Referring to the drawings by numeral, 1 indicates the planking of the deck of a vessel. Suitably secured to said deck are seats 2 2, adapted to conform to the shape of the buoy 3 and to receive and hold it in position on the deck.

The buoy 3 is formed of any desirable material, of suitable dimensions, and is provided with a cover 4 of ordinary construction, lined with rubber packing 5 and adapted to be held in position in the buoy by means of a curved clamp 17, secured to the buoy at one end by a hinge 6, said clamp having a lip 7, provided with an eye 8, and adapted to register with an eye 9 in a lip 10, also secured to the buoy. The eyes in the respective lips are intended to serve as means by which a locking device may be applied to the clamp, which is shown in this instance to be a screw-threaded pin 11, although, as is obvious, a padlock or other means may be employed without departing from the spirit of my invention.

Projecting from the bottom of the buoy are two pins 12, adapted to fit in corresponding recesses in the seats 2 2 and prevent the buoy

from becoming displaced by the tossing of the vessel.

13 indicates an eye which is fastened, by means of a swivel, to the cable 14, wound on the reel 15, said reel having bearings working in standards or supports 16, secured to the deck.

In time of danger the ship's papers and passengers' valuables are placed within the buoy, the cover secured and locked. In the event of the vessel sinking the buoy, from its air-tight construction, frees itself from the seats in which it rests and floats upon the surface of the water, the cable paying out as the ship sinks. By means of the floating buoy the position of the ship may be readily determined.

Having thus fully described my invention, what I claim, and desire to secure by Letters Patent, is—

A buoy comprising an air-tight receptacle provided with a cover 4, lined with rubber packing, adapted to be held in position by means of a curved hinged clamp secured to the buoy at one end by means of a hinge, said clamp being provided with a lip having an eye adapted to register with an eye 9 and lip 10 secured to the buoy for locking said cover, pins projecting from the bottom of said buoy adapted to fit in corresponding recesses in the buoy-seat, and means for connecting the buoy to the vessel comprising a reel and cable, said cable being attached to the buoy by means of an eye 13, substantially as described.

In testimony whereof I have hereunto set my hand in the presence of two witnesses.

CARL LANGE.

Witnesses:

JOHN MYHRVAL,
H. M. LANGLAND.