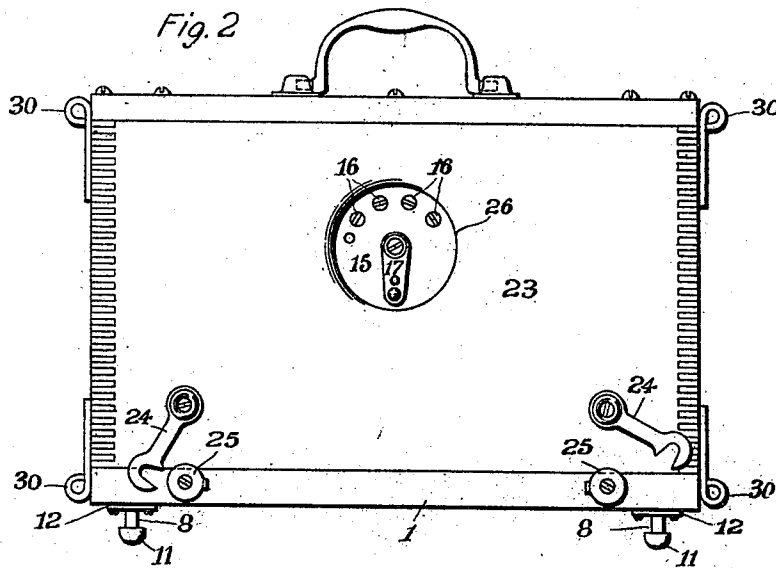
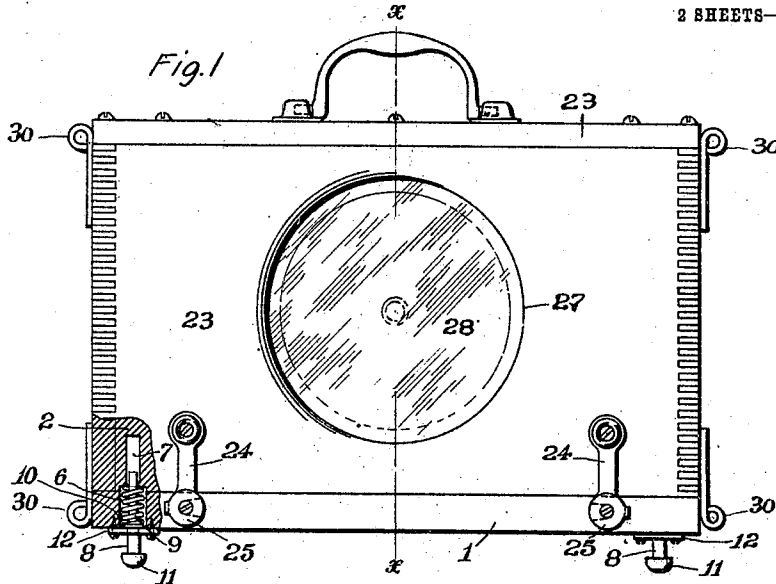


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APPLICATION FILED JUNE 18, 1910.

991,044.

Patented May 2, 1911.

2 SHEETS—SHEET 1.



WITNESSES:

*H. W. Meade*  
*M. J. Roulston*

INVENTOR  
*Walter H. Adams*

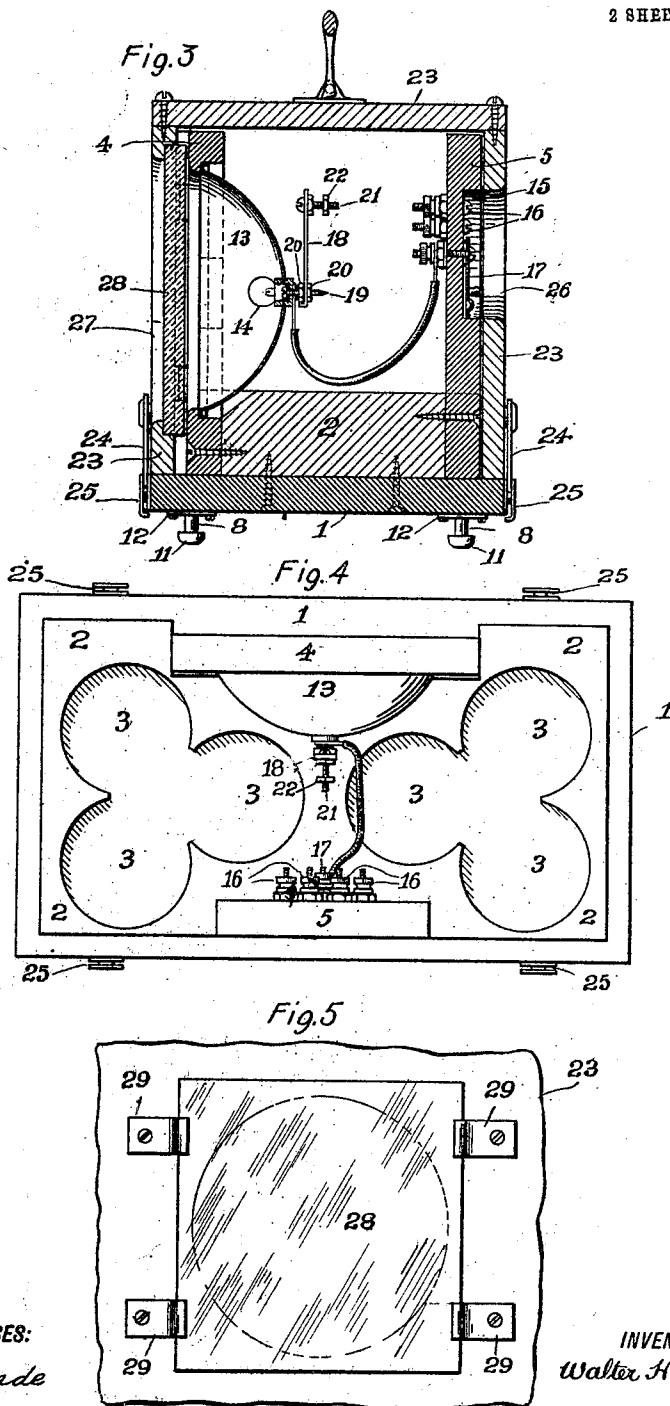
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# UNITED STATES PATENT OFFICE.

WALTER H. ADAMS, OF SOUND BEACH, CONNECTICUT.

RESERVE EMERGENCY-LANTERN.

991,044.

Specification of Letters Patent.

Patented May 2, 1911.

Application filed June 18, 1910. Serial No. 567,701.

*To all whom it may concern:*

Be it known that I, WALTER H. ADAMS, a citizen of the United States, residing at Sound Beach, Fairfield county, Connecticut, have invented certain new and useful Improvements in Reserve Emergency-Lanterns; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to certain new and useful improvements in reserve emergency lanterns, such as are used on shipboard in the event that the regular electric lights are out of commission, and has for its object to provide a very simple and effective device of this description, and with these ends in view my invention consists in the details of construction and combination of parts hereinafter fully described and then particularly pointed out in the claims which conclude this description.

In the accompanying drawing Figure 1 is a front elevation of my improvement. Fig. 2 a rear elevation thereof. Fig. 3 a section at the line *x, x*, of Fig. 1. Fig. 4 a plan view of the lantern body with the cover removed, and Fig. 5 a detail broken inside view of the cover showing the manner in which the glass pane is secured by spring clips.

Similar numbers of reference denote like parts in the several figures of the drawing.

In devices of this description it is necessary that the utmost precaution be taken to prevent injury to the lantern by sudden shocks or vibrations such as the dropping of the lantern on the deck or the explosion of guns, and also it is advisable to provide against the breaking of the glass which shields the light, and my present improvement has been contrived with the end in view to conform to all the conditions necessary in these premises, as will be readily understood from the following description.

The body portion of my lantern comprises a base 1, a block 2 secured upon said base and provided with recesses 3 to contain suitable batteries, and uprights 4, 5, secured to opposite sides of said block.

Projecting from the bottom of the base 1 near each corner thereof are spring feet which serve to take up the shock when the lantern is dropped abruptly, and each of these feet are arranged and formed as is

shown in the instance of one of said feet at Fig. 1, a large opening 6 being bored through the base while a smaller aligned opening 7 is bored into the block 2, a pin 8 extending up through the opening 6 and within the opening 7, said pin surrounded by a coil spring 9 which is confined between the upper end of the opening 6 and a collar 10 which surrounds the pin, the latter provided on its lower extremity with a head 11 which may be covered with rubber, if desired. When the lantern is dropped on the deck these spring feet will be projected upwardly within the opening 7 so that the resulting shock will be absorbed. Plates 12 through which these pins pass freely are secured to the bottom of the base so as to retain the feet in position. Secured within the upright 4 is a reflector 13 which contains the usual incandescent light 14, and secured within a recess 15 formed in the outer wall of the upright 5 are insulated contacts 16 and an insulated switch lever 17 which latter is electrically connected with one of the terminals of the light 14, the other terminal of said light being suitably connected to the batteries that are contained within the recesses 3, while the contacts 16 are connected with these batteries in the usual manner, the manner of coupling the batteries being such that when the switch lever is advanced to succeeding contacts greater battery power will be given to the light so that the brilliancy of the light may be increased.

I have provided a special mechanical contrivance whereby the batteries may be connected with the lamp terminal without any tangling or disarrangement of wires, and, moreover, a battery may be readily removed and replaced by another battery with the greatest facility, which contrivance consists of an elongated lever 18 the lower end of which surrounds the screw 19 that constitutes the lamp terminal and is confined between nuts 20 on said screw the outer end of said lever carrying a screw 21 with nut 22 thereon. The wires from the batteries are secured to this screw 21 by means of the nut 22 and the lever 18 may be swung to any convenient position for the purpose of either attaching or detaching these wires.

23 is a cover which rests upon the base 1 and surrounds the block 2, and is secured in position by means of hooks 24 carried by the cover and engaged with studs 25 carried by the base. The rear wall of the cover is

provided with an opening 26 whereby access may be had to the switch lever 17 while the front wall of said cover is provided with a large circular opening 27 immediately in front of the reflector 13, and this opening is closed by means of a glass pane 28 that is set within the inside wall of said cover, and is confined by means of spring clips 29 that are secured to the cover and overlap the pane of glass, the object of securing the glass in this manner being to prevent the breaking of the latter by a sudden shock or jar.

30 are eyes secured to the ends of the cover at the upper and lower portions thereof, so that a cord, wire or the like may be passed therethrough for the purpose of suspending the lantern either by itself or in series one lantern being suspended from the bottom of the other.

From the above description it will be readily understood that my improvement is especially adapted for rough usage, in that it is exceedingly strong and durable, and is constructed in all respects for the purpose of withstanding sudden jars or shocks.

Having thus described my invention what I claim as new and desire to secure by Letters Patent is:—

1. A lantern comprising a base, a battery cell carrying block secured to the base, uprights secured to the block on opposite sides thereof, a reflector secured to one of the uprights, the other upright having its outer

face formed with a recess, switch mechanism in said recess, and a cover disposed to inclose the uprights and seat on the base, said cover having its rear side formed with an opening which registers with said recess of said upright.

2. A lantern including a walled receptacle, contacts on one wall and a reflector secured to a second wall, an electric light in the reflector, a projection forming the terminal of the light, a lever pivoted to said projection, a wire leading from one of said contacts to said terminal, a battery, a binding post on the free end of the lever, and wires extending from said binding post to said battery, and from the latter to a second one of said contacts.

3. A lantern including a walled receptacle, the front side wall of said receptacle being formed with an opening and the rear side wall carrying a switch and contacts, a reflector in said opening having an electric light therein, a battery, electric connection between the light and said contacts, and a cover formed with openings in its front and back sides which openings register with said opening of the receptacle front wall and said switch and contacts respectively.

In testimony whereof I affix my signature in presence of two witnesses.

WALTER H. ADAMS.

Witnesses:

F. W. SMITH, Jr.,  
M. T. LONGDEN.