J. JELERCIC.

LIFE BOAT.

APPLICATION FILED JULY 30, 1917.

1,249,633.

Patented Dec. 11, 1917.

FIG. 1

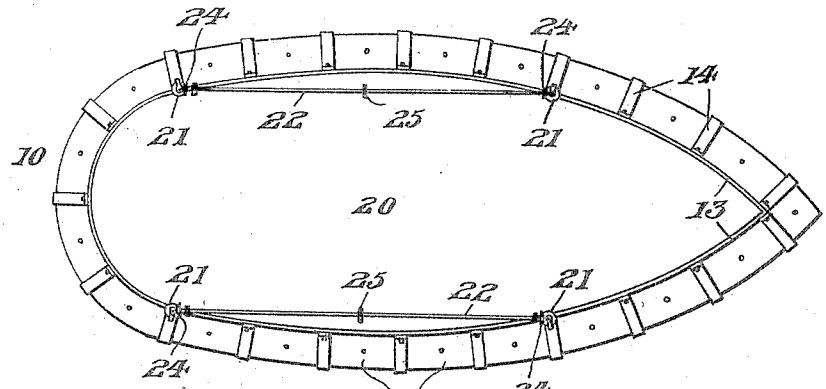


FIG. 2.

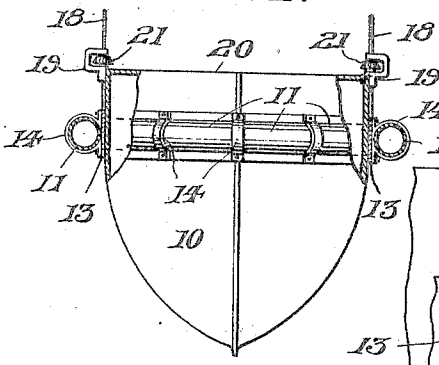


FIG. 3.

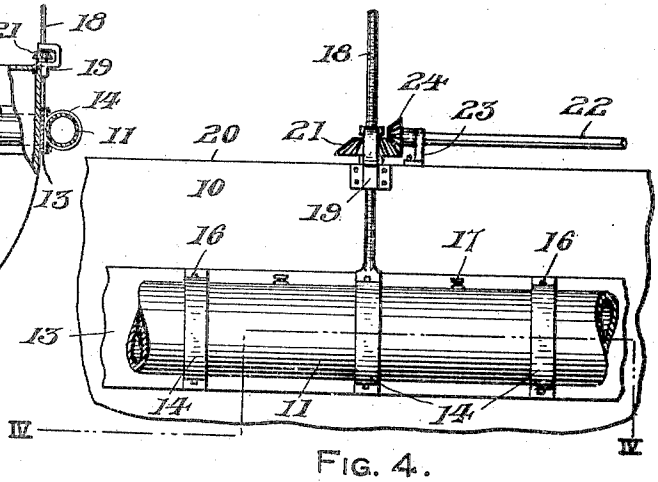
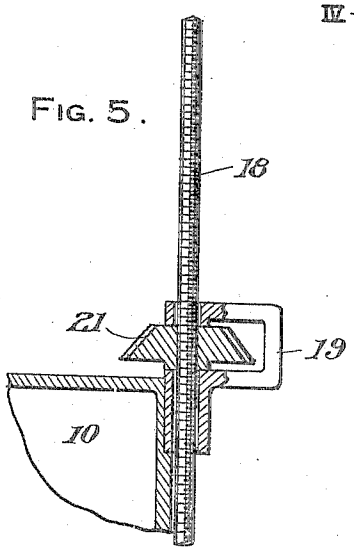
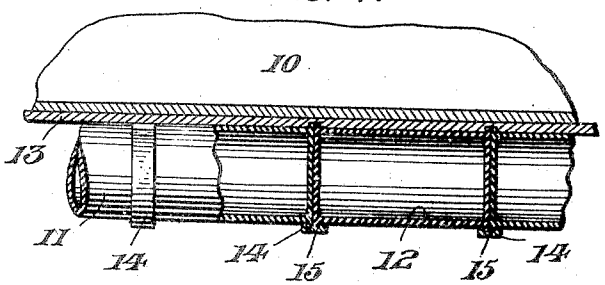


FIG. 4.

FIG. 5.





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JOSEPH JELERCIC, OF WILLARD, WISCONSIN.

LIFE-BOAT.

1,249,633. Specification of Letters Patent. Patented Dec. 11, 1917.

Application filed July 30, 1917. Serial No. 183,491.

To all whom it may concern:

Be it known that I, JOSEPH JELERCIC, a citizen of the United States, residing at Willard, in the county of Clark and State of Wisconsin, have invented certain new and useful Improvements in Life-Boats, of which the following is a specification.

This invention relates to certain new and useful improvements in life boats.

The primary object of the invention is the provision of an attachment for boats adapted for maintaining the same afloat even if hit by a torpedo or other projectile, adjusting means being arranged for the device.

A further object of the invention is the provision of a floating device for life boats arranged in a plurality of compartments whereby the floating properties of the device will not be destroyed when hit by a projectile, a regulating means being carried by the boat for arranging the device at a point adjacent the water line.

With these general objects in view and others that will appear as the nature of the invention is better understood the same consists in a novel combination and arrangement of parts hereinafter more fully described illustrated in the accompanying drawing and then claimed.

In the drawing forming a part of this application and in which like designating characters refer to corresponding parts throughout the several views,

Figure 1 is a top plan view of the device.

Fig. 2 is an end elevation of the same partially broken away.

Fig. 3 is an enlarged side elevation of a portion thereof.

Fig. 4 is a sectional view taken upon line IV—IV of Fig. 3, and

Fig. 5 is an enlarged sectional view of a portion of the elevating means employed with the device.

Referring more in detail to the drawing, an ordinary form of life boat 10 is illustrated having a tubular float 11 arranged surrounding the boat and adjustable in height.

The float 11 is formed of a plurality of barrel shaped air containers 12 positioned in end to end arrangement upon a mounting strip 13 slidably arranged against the outer side of the boat 10. Annular straps 14 which are channeled in cross section overlie the engaging end flanges 15 of the pneumatic member 12, the straps being secured to the strip 13 by hold-fast devices 16. Each compartment 12 is arranged with a filling valve or nipple 17 and it will be apparent that with all of the compartments 12 filled with air the boat 10 will be assisted in floating in a suitable condition.

A suitable number of upright threaded bars 18 are carried by the straps 14 extending through brackets 19 adjacent the deck 20 of the boat 10. Pinions 21 are arranged within the brackets 19 threaded upon the rods 18 while a power shaft 22 is journaled in brackets 23 upon the deck 20 having end pinions 24 in mesh with the rod pinions 21. Gears 25 may be provided upon the shafts 22 for turning the latter simultaneously and thereby uniformly elevating or lowering the strip 13 and the float 11. The float 11 may be adjusted to a position adjacent the water line of the boat 10 which position may be changed when desired incidental to the different weights of the boat's cargo and it will be apparent that if one of the compartments 12 should be destroyed the remaining compartments would be uninjured and would serve to maintain the boat floating upon the water. The straps 14 may be removed when it is desired to change the compartments 12 and it will be seen that a serviceable floating device is arranged which may also act as a buffer for the boat during the operation thereof. The compartments 12 may be formed of any suitable light material, capable of inflation such as rubber or thin metal.

What I claim as new is:—

1. In combination with a boat, a strip surrounding the same and vertically adjustable adjacent the hull, a plurality of pneumatic compartments arranged end to end upon the said strip, interengaging mounting straps carried by said strip overlying the adjacent ends of the compartments, elevating rods carried by said straps and operating means for the said elevating rods.

2. A device of the class described comprising a boat, a vertically adjustable strip surrounding the boat, a plurality of tubular compartments arranged upon said strip

outwardly thereof in end engagement with each other and having annular end flanges, encircling the straps inclosingly arranged over the said flanges and secured to said strip, upright threaded rods attached to said strip projecting above the deck of the boat, mounting brackets carried by the boat for the said rods, pinions threaded upon said rods arranged within said brackets, operating shafts and pinions upon the ends of said straps in mesh with the pinions of said rods.

In testimony whereof I affix my signature.

JOSEPH JELERCIC.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."