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S. J. URBANSKI.

APPARATUS FOR RAISING SUNKEN VESSELS.

APPLICATION FILED DEC. 10, 1906.

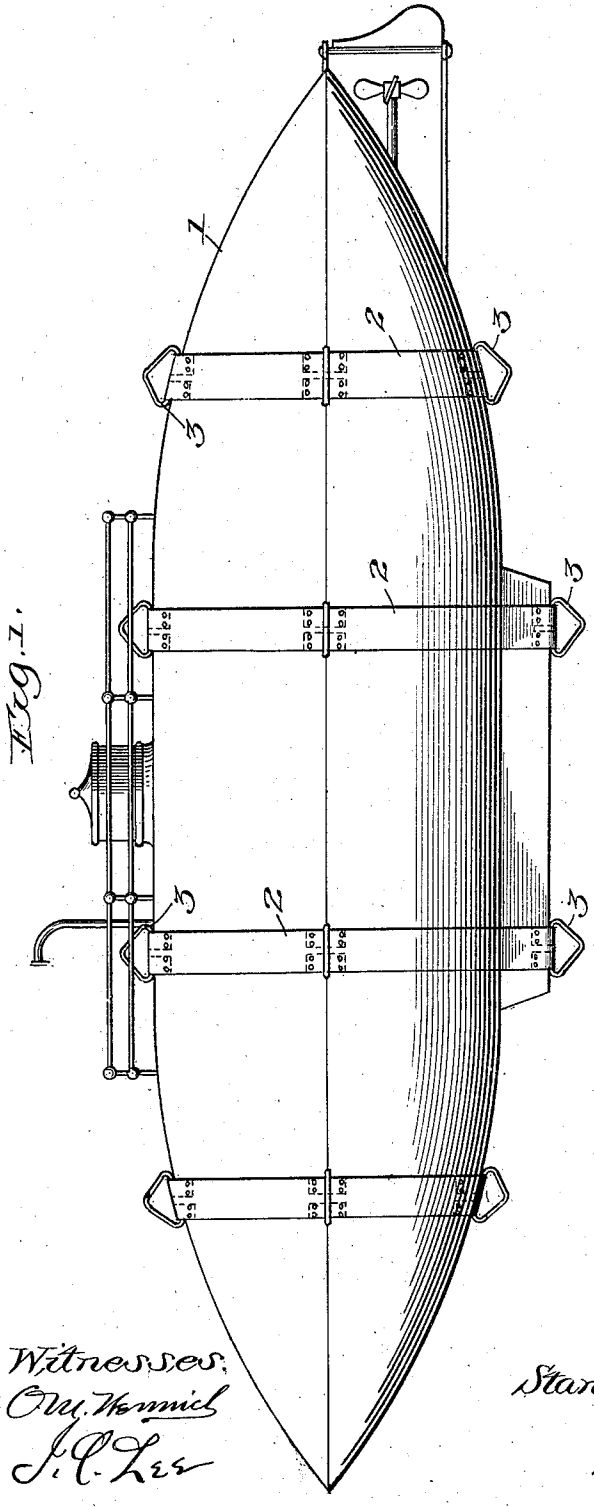


Fig. 1.

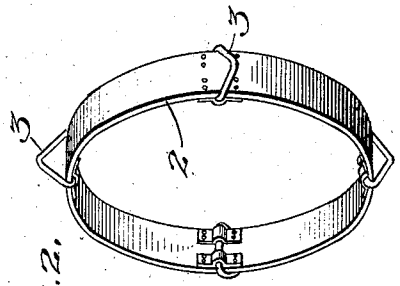


Fig. 2.

Witnesses:
O. M. Hamick
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UNITED STATES PATENT OFFICE.

STANISLAW JOZEF URBANSKI, OF SOUTH CHICAGO, ILLINOIS.

APPARATUS FOR RAISING SUNKEN VESSELS.

No. 889,493. Specification of Letters Patent. Patented June 2, 1908.

Application filed December 10, 1906. Serial No. 347,079.

To all whom it may concern:

Be it known that I, STANISLAW JOZEF URBANSKI, a citizen of the United States, residing at South Chicago, in the county of Cook and State of Illinois, have invented a certain new and useful Improvement in Apparatus for Raising Sunken Vessels, of which the following is a full, clear, concise, and exact description, reference being had to the accompanying drawings, forming a part of this specification.

My invention relates to apparatus for raising sunken vessels, and the principal object of the invention is to provide such an apparatus by which a vessel can be quickly raised without the need of extended labor on the part of the divers, or of expensive apparatus.

In accordance with my invention I provide devices by which the ropes or cables can be easily attached or applied to the sunken vessel so as to lift the same from the bottom. As a convenient arrangement I provide bands encircling the vessel, and supply these bands with hooks or rings to which cables can be easily attached. The hooks or rings are applied at various places upon the body of the vessel, so that no matter in what position it lies when sunken, some hooks or rings will always be exposed and in position to be engaged. The rings or hooks can be applied in other ways than by bands encircling the vessel as herein shown.

In the accompanying drawing, Figure 1 is a view of a vessel such as a submarine, provided with devices embodying my invention; Fig. 2 is a view of one of the encircling bands therefor.

In the drawing 1 represents a boat which of course can be any construction, but is shown as a submarine. As the construction of the boat does not enter into the invention, I will not refer to it.

Bands 2, 2 are applied to the boat 1 as by passing them around the boat at intervals from one another. I have shown four such bands encircling the boat, although the number can be varied as desired. Each of these bands is provided with rings or straps 3, 3 secured to the bands in any suitable way and arranged at intervals along the length of said bands. As shown, the rings 3, 3 are at the top and sides and bottom of the boat. Thus when the boat sinks, ropes or cables can be attached to the rings 3, 3 and the boat raised. If it lies on its side or top there are always rings exposed which can be engaged.

It will be understood that changes and modifications can be made without departing from the spirit of the invention.

What I claim is:—

1. A boat provided with instrumentalities for facilitating the engagement and raising of the same when submerged consisting of many grapple engaging devices dispersed over the top, bottom, and sides of the boat whereby some of said devices will occupy a position readily accessible from above the boat irrespective of the position of the boat, said devices comprising a plurality of bands encircling the boat at many points throughout its length, and a plurality of rings carried by each of said bands.

2. A boat provided with instrumentalities for facilitating the engagement and raising of the same when submerged consisting of many grapple engaging devices dispersed over the top, bottom and sides of the boat whereby some of said devices will occupy a position readily accessible from above the boat irrespective of the position of the boat, said devices comprising a band encircling the boat, and a plurality of rings carried by the band.

3. A boat provided with instrumentalities for facilitating the engagement and raising of the same when submerged consisting of many grapple engaging devices dispersed over the surface of the boat whereby some of said devices will occupy a position readily accessible from above the boat irrespective of the position of the boat, said devices comprising a band encircling the boat and a plurality of rings carried by the band.

In witness whereof, I hereunto subscribe my name this 26th day of November A. D., 1906.

STANISLAW JOZEF URBANSKI.

Witnesses:

A. M. BELFIELD,

I. C. LEE.