B. J. SPENCER.

VESSEL RAISING DEVICE.

APPLICATION FILED AUG. 4, 1911.

1,025,930.

Patented May 7, 1912.

2 SHEETS—SHEET 1.

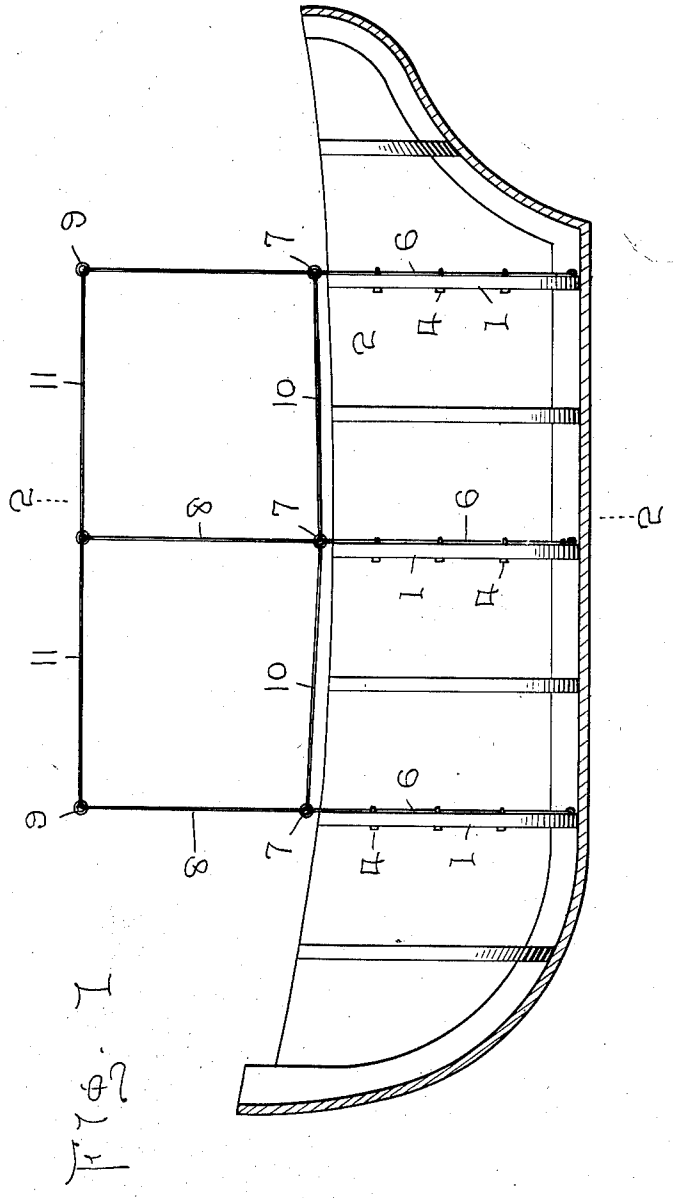

Fig. 1.

WITNESSES:

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2 SHEETS—SHEET 2.

Fig 2

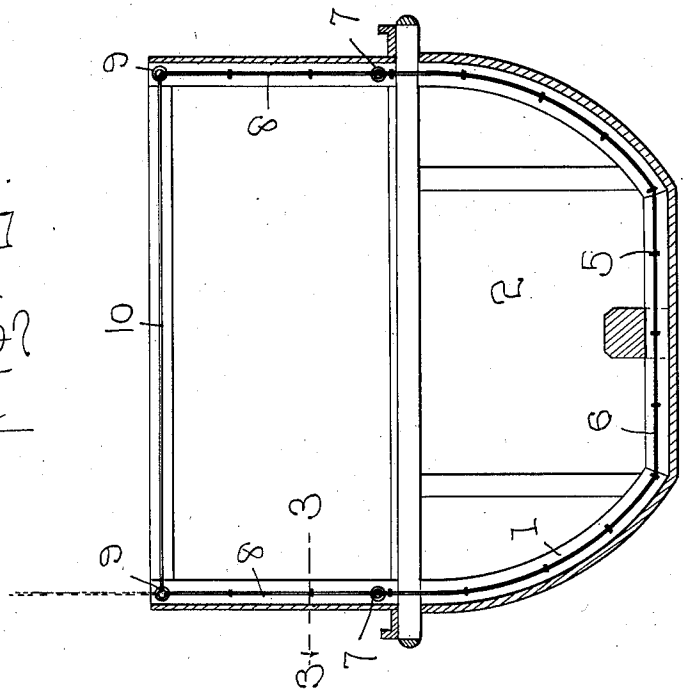
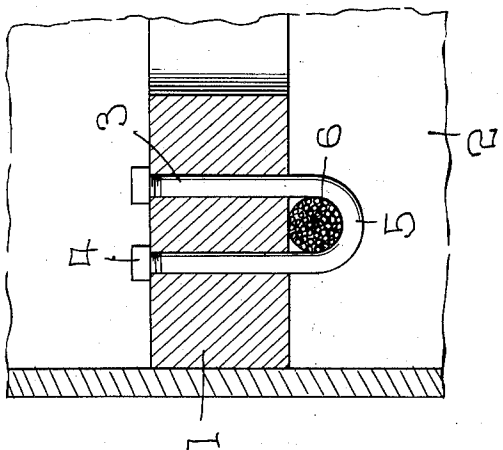


Fig 3



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UNITED STATES PATENT OFFICE.

BYRON J. SPENCER, OF FORT STEVENS, OREGON.

VESSEL-RAISING DEVICE.

1,025,930. Specification of Letters Patent. Patented May 1912.

Application filed August 4, 1911. Serial No. 642,326.

To all whom it may concern:

Be it known that I, BYRON J. SPENCER, a citizen of the United States, residing at Fort Stevens, in the county of Clatsop and State of Oregon, have invented certain new and useful Improvements in Vessel-Raising Devices; and I do hereby 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.

This invention relates to vessels and more particularly to means for raising sunken vessels.

An object of the invention is to provide means to be carried upon the vessel to readily facilitate raising the latter should it sink.

Another object is to provide cables and means for connecting the cables to the frame of the vessels so that the latter may be readily raised to the surface of the water by the usual hoisting means now employed for raising sunken vessels, and, another object is to provide means to which the ends of the cable may be readily connected, said cable and connecting means serving for attaching the hoisting hooks to readily raise the vessel.

Other objects and advantages will be hereinafter set forth and pointed out in the specification and claim.

In the accompanying drawings which are made a part of this application, Figure 1 is a longitudinal view of a vessel to which is secured my raising means, the hull of the boat being shown in section. Fig. 2 is a transverse sectional view on the line 2—2 of Fig. 1, and, Fig. 3 is an enlarged fragmentary detail view on the line 3—3 of Fig. 2.

Referring to the drawings in which similar reference numerals designate corresponding parts throughout the several views, 1 represents the ribs or framework of a boat, which have a hull 2 secured thereto in the usual manner. Passing through the ribs 1 are the parallel legs of the U-shaped bolts 3, which legs have nuts 4 secured upon their threaded ends, the U-shaped bolts being of such length that the rounded portion 5 connecting the legs 3 project for some distance from the ribs 1 to allow a cable 6 to be passed therethrough. The U-shaped bolts are passed through the ribs 1 at suitable spaced distances and the cable 6 is passed therethrough, said cable extending from end to end of the rib and having its opposite ends secured through rings 7. Secured also through the rings 7 are the lower ends of the vertically extending cables 8, which also pass through U-shaped bolts secured through the braces of the cabin or cabins of a boat and secured in a manner similar to the first mentioned U-shaped bolts. The cables 8 have their outer ends secured through upper rings 9 and connected to the rings 7 and 9 are the horizontally extending cables 10 and 11, which pass around the cabin or cabins, or through the same, as may be desired, it being understood that opposite ends of these horizontally extending cables 10 and 11, respectively, are secured within the rings 7 and 9.

It will be understood that the U-shaped bolts may be passed through any of the ribs and supports desired to place the rings 7 and 9 at the desired points. It will also be understood that any number of rings and cables may be employed.

It will be evident that any boat carrying the cables 6, 8, 10 and 11 connected thereto in the manner above described may be easily raised from the bottom of a stream or river by the usual hoisting mechanism employed for such purposes and therefore many vessels which may sink in the future may be easily and quickly brought to the surface of the water and again float. It will also be evident that this above described raising means may be connected with vessels already sunken to facilitate the raising of the same to the surface to be repaired and again put in use. It will also be evident that as all of the parts are ef extremely simple formation and the manner of connecting the parts with a vessel is also extremely simple, the employment of the same will be very inexpensive.

What I claim is:

A sling for raising ships and the like com-

prising cables adapted to be disposed against the frames of a ship, U-shaped anchoring members having their ends extended through said frames and impinging said cables thereagainst, rings secured to the free ends of said cables, and horizontally arranged cables secured to said rings.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

BYRON J. SPENCER.

Witnesses:
H. G. Wood,
A. B. Watson.