No. 793,147. PATENTED JUNE 27, 1905.

W. T. OLIVER.

BOAT SUPPORTING TACKLE ATTACHMENT.

APPLICATION FILED JULY 12, 1904.

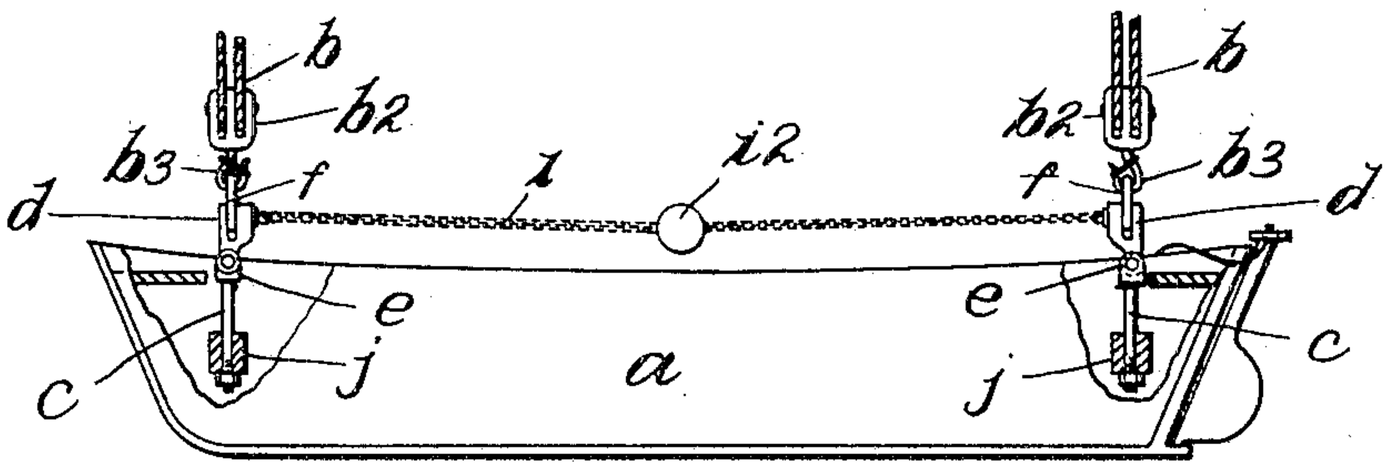

Fig. 1.

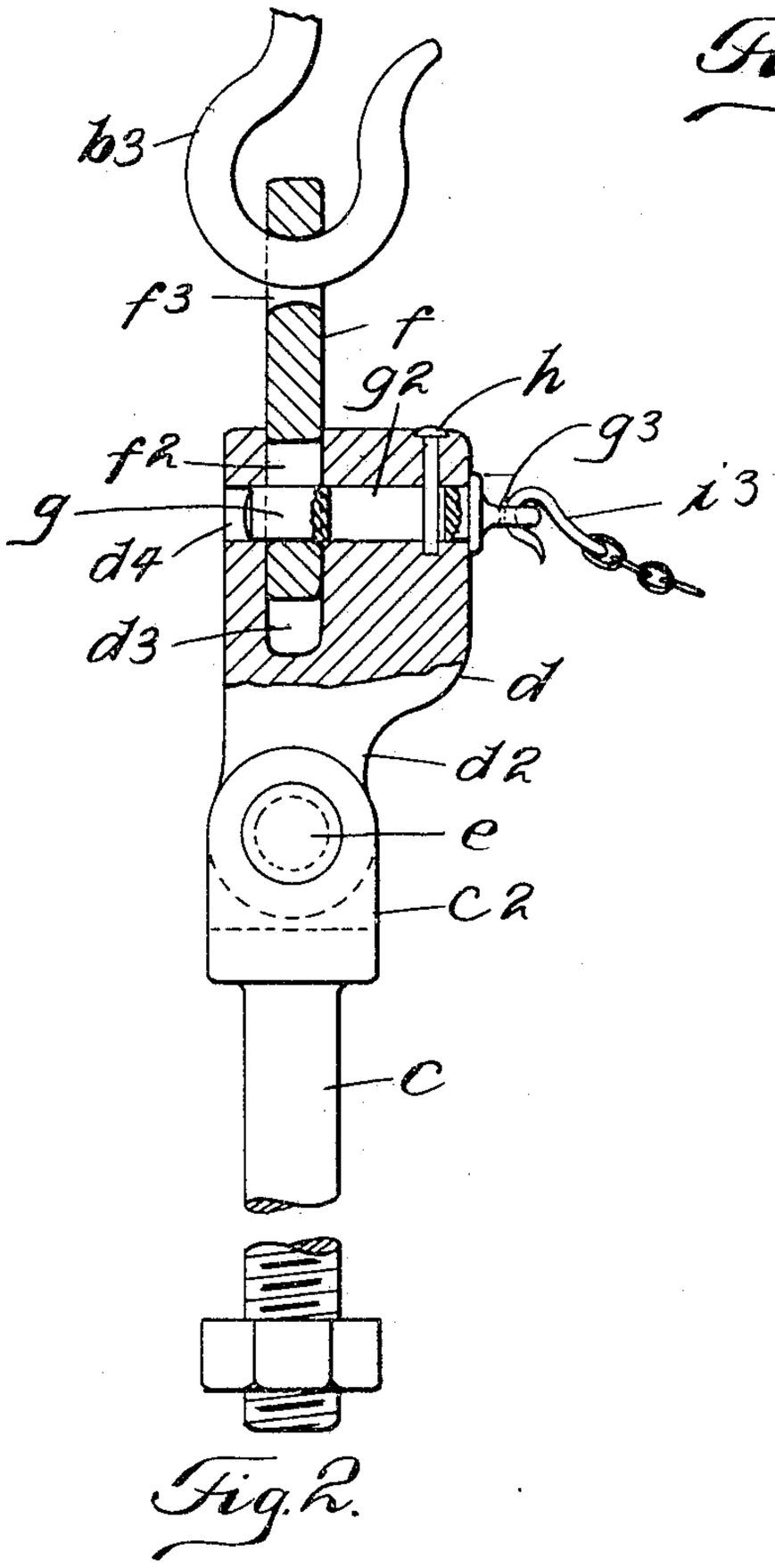

Fig. 2.

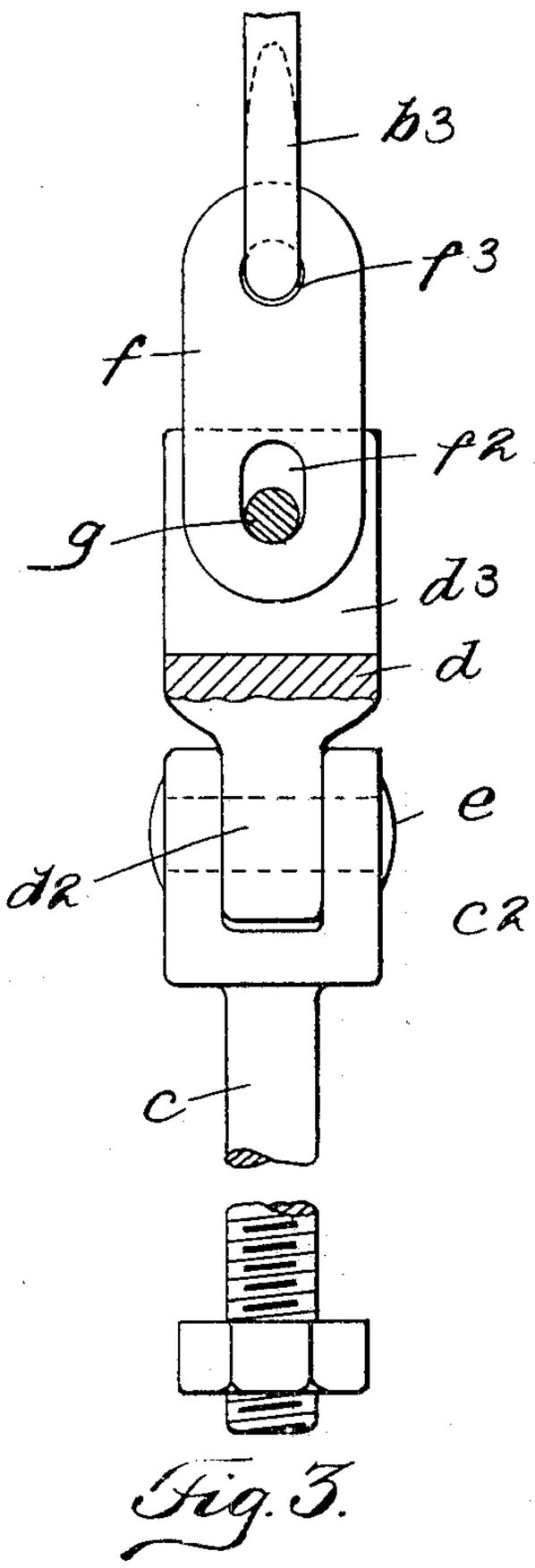

Fig. 3.

WITNESSES

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UNITED STATES PATENT OFFICE.

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BOAT-SUPPORTING TACKLE ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 793,147, dated June 27, 1905.

Application filed July 12, 1904. Serial No. 216,197.

To all whom it may concern:

Be it known that I, WOODBURY T. OLIVER, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Boat-Supporting Tackle Attachments, of which the following is a specification, such as will enable those skilled in the art to which it appertains to make and use the same.

This invention relates to devices for connecting boats to steamships or other vessels with the tackle by means of which such boats are lowered into the water when desired; and the object thereof is to provide improved tackle attachments of the class specified which will automatically release the boat as soon as it strikes the water.

The invention is fully disclosed in the following specification, of which the accompanying drawings form a part, in which the separate parts of my improvement are designated by suitable reference characters in each of the views, and in which—

Figure 1 is a side view of a boat provided with my improvement, part of the side of the boat being broken away to better show the construction; Fig. 2, a sectional side view of one part of the tackle attachment which I employ, and Fig. 3 a sectional view at right angles to that of Fig. 2.

In the drawings forming part of this specification I have shown at a an ordinary boat, such as is usually carried by steamships and other vessels, and at b I have shown a part of the tackle, which in practice is connected with the ordinary davits or cranes and by means of which the boat is lowered into the water.

In the practice of my invention I provide two similar tackle attachments, each of which comprises a bolt c, having a yoke-shaped head c^2, with which is connected a block d, having a neck d^2, and the necks d^2 of the blocks d are pivoted in the yoke-shaped heads c^2 of the bolts c by means of pivot-pins or bolts e. The blocks d are provided each with a transverse and vertically-arranged slot or recess d^3, in each of which is placed a link f, and the links f are provided in their lower ends with a longitudinal slot f^2, and the blocks d are also provided with transverse bores d^4, and pins g are passed through the bores d^4 and through the slots f^2 in the links f. The pins g are provided with longitudinal and vertically-arranged slots g^2, and key-pins h are passed downwardly through the top portions of the blocks d and through the slots g^2 in the pins g. The pins g are free to slide in the bores d^4 transversely of the blocks d, and the movement thereof is limited by the key-pins h, and said pins are provided at their inner ends each with an eye or hook g^3, and the pins g of each of the blocks d are connected by a chain or other flexible device i, provided centrally with a weight i^2, and the connection of the chain or other flexible device i with the pins g is made by means of a hook i^3 at each end of said chain. The blocks b^2 of the tackle b are each provided with a hook b^3, and the hooks b^3 are passed through holes f^3 in the upper ends of the links f.

The bolts c in the form of construction shown are secured in cross-bars j in the opposite end portions of the boat a, or said bolts may be secured in the keel of the boat, or said bolts may be secured in the hull of the boat in any desired manner; but this connection of said bolts with the hull of the boat is at the longitudinal middle of the boat. When the boat is supported by the tackle b in the usual manner, the pins g pass through the links f or through the slots f^2 therein, and the weight on said links holds the pins g in the position shown in Fig. 1. If, however, the boat be lowered into the water, the links f, when the boat strikes the water, will move downwardly in the blocks d, and the weight i^2 on the chain i will be sufficient to draw the pins g inwardly, and the links f will drop out of the blocks d and the boat will be released, and the blocks d may be folded on their pivotal supports at e, so as not to project above the seats in the boat.

By means of this construction I provide a tackle attachment for boats which is automatically released when the boat strikes the water, or is lowered thereinto from the deck of a steamship or other vessel, and my improved tackle attachment or attachments are simple in construction and operation and com-

paratively inexpensive and may be conveniently used wherever devices of this kind are required.

Although I have described the parts *c* as bolts, it will be apparent that any suitable support or supports may be secured in the boat at the desired points and with which the blocks *d* may be pivotally connected in the manner described, and my invention is not limited to the particular means herein shown and described for holding or securing the blocks *d* in proper position.

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

1. The herein-described tackle attachment for boats, comprising supports secured in the end portions of the boat, blocks pivoted to said supports and provided with vertically-arranged recesses, links mounted in said recesses and vertically movable therein, said links being provided in their lower ends with longitudinal slots, and said blocks being also provided with bores arranged transversely of said recesses, and pins passed through said blocks and through the slots in said links, said pins being provided with longitudinal slots, key-pins passed downwardly into said blocks and through the slots in said pins and a flexible and weighted device whereby the ends of said pins are connected, substantially as shown and described.

2. The herein-described tackle attachment for boats, comprising supports secured in the end portions of the boat, blocks pivoted to said supports and provided with vertically-arranged recesses, links mounted in said recesses and vertically movable therein, said links being provided in their lower ends with longitudinal slots, and said blocks being also provided with bores arranged transversely of said recesses, and pins passed through said blocks and through the slots in said links, said pins being provided with longitudinal slots, key-pins passed downwardly into said blocks and through the slots in said pins and a flexible and weighted device whereby the ends of said pins are connected, said links being also provided at their upper ends with holes adapted to receive tackle-hooks, substantially as shown and described.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of the subscribing witnesses, this 9th day of July, 1904.

WOODBURY T. OLIVER.

Witnesses:
F. A. STEWART,
C. J. KLEIN.