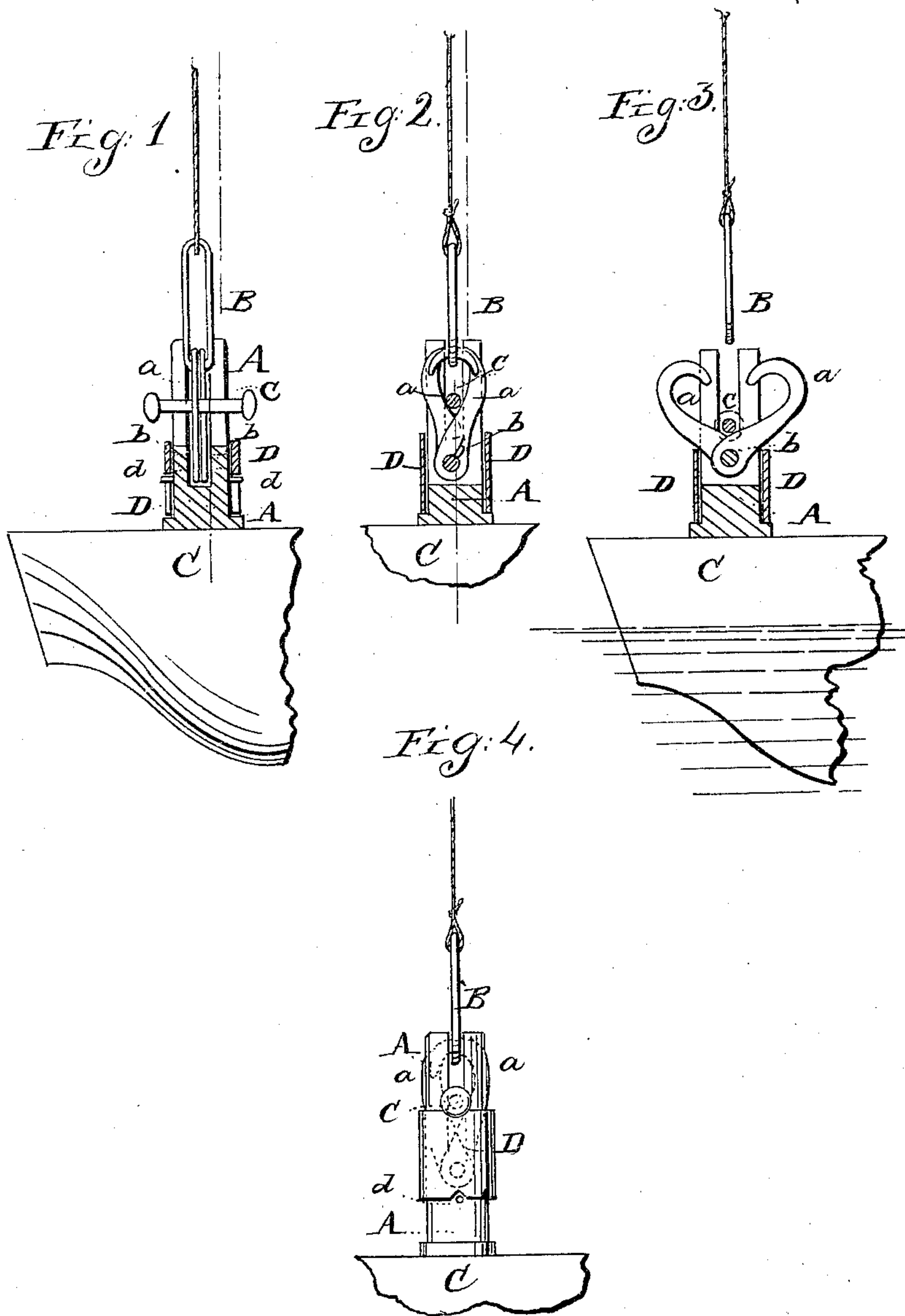


# *J. H. Kingsland, Boat Detaching.*

*Nº 94,758.*

*Patented Sept. 14, 1869.*



Witnesses:

*O. Hinckman  
Jno. H. Brooks*

Inventor:

*J. H. Kingsland*  
PER *Wm. S. S.*

# United States Patent Office.

JOHN H. KINGSLAND, OF NEW YORK, N. Y., ASSIGNOR TO JAMES O. KINGSLAND AND JOHN W. KELSEY, OF SAME PLACE.

Letters Patent No. 94,758, dated September 14, 1869.

## AUTOMATIC BOAT-DETACHING APPARATUS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, JOHN H. KINGSLAND, of the city and county of New York, in the State of New York, have invented a new and improved Automatic Disengaging-Apparatus; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 represents an edge view, partly in section, of my improved automatic disengaging-apparatus.

Figure 2 is a side view, partly in section, of the same.

Figure 3 is a similar view of the same, showing it open.

Figure 4 is a side elevation of the same.

Similar letters of reference indicate corresponding parts.

This invention relates to a new automatic disengaging-apparatus, which is more particularly applicable to suspend ship-boats from their davits, and to release them as soon as they reach the water, but which may also be used for other purposes.

The invention consists in the application of two pivoted hooks, which are attached to the boat or other device to be suspended, and which are adapted to lock a link on the chain or other suspending-device.

As long as the article remains suspended, the hooks will form a connection with the chain; but as soon as such article is supported from below, the hooks will, by their own weight, fall open, and be released from the lock.

The invention also consists in the application of a supporting-sleeve, which is fitted around the post to which the hooks are pivoted, and which is so arranged that it can be held up to lock the hooks to the link, so that they cannot become automatically disengaged.

A, in the drawing, represents a slotted post, projecting from the end of a boat, or other device, C, to be suspended.

In the slot of this post are fitted two metallic hooks *a a*, which are pivoted to the post by means of a pin, *b*.

The post has cross-slots. In the one are the hooks *a*, while the other is intended to receive the link B, that forms the lower end of a chain or other suspending-device.

The hooks, by their weight, or by that of a pin, *c*, placed between them, have a tendency to drop apart, as in fig. 3.

When the link B is placed between them, they are swung together, so as to fit through it from opposite sides, as in fig. 2.

As long as the weight of the boat or other article remains thus suspended from the link, the hooks cannot drop apart; but as soon as the boat reaches the water, or the article C becomes supported from below, they will swing apart and release the link, as in fig. 3.

D is a cylinder or sleeve, fitted around the post A, and slotted, so that it can be let down, as in figs. 1, 2, and 3, or raised upon a pin or pins, *d*, projecting from A, as in fig. 4.

When raised, as in the latter figure, the sleeve will keep the hooks together, and will prevent them from becoming disengaged from the link.

Having thus described my invention,

What I claim as new, and desire to secure by Letters Patent, is—

1. The combination of the curved metallic hooks *a a*, loosely pivoted to the post A, at the point *b*, with the balanced weight-rod *c*, working in a slot of said post, in the manner described.

2. The combination, with a post, and the hooks thereto pivoted, of the sliding sleeve D, serving to lock the link and hooks together, as and for the purpose specified.

JOHN H. KINGSLAND.

Witnesses:

EDWARD DEVOY,  
JEREMIAH MURRAY.