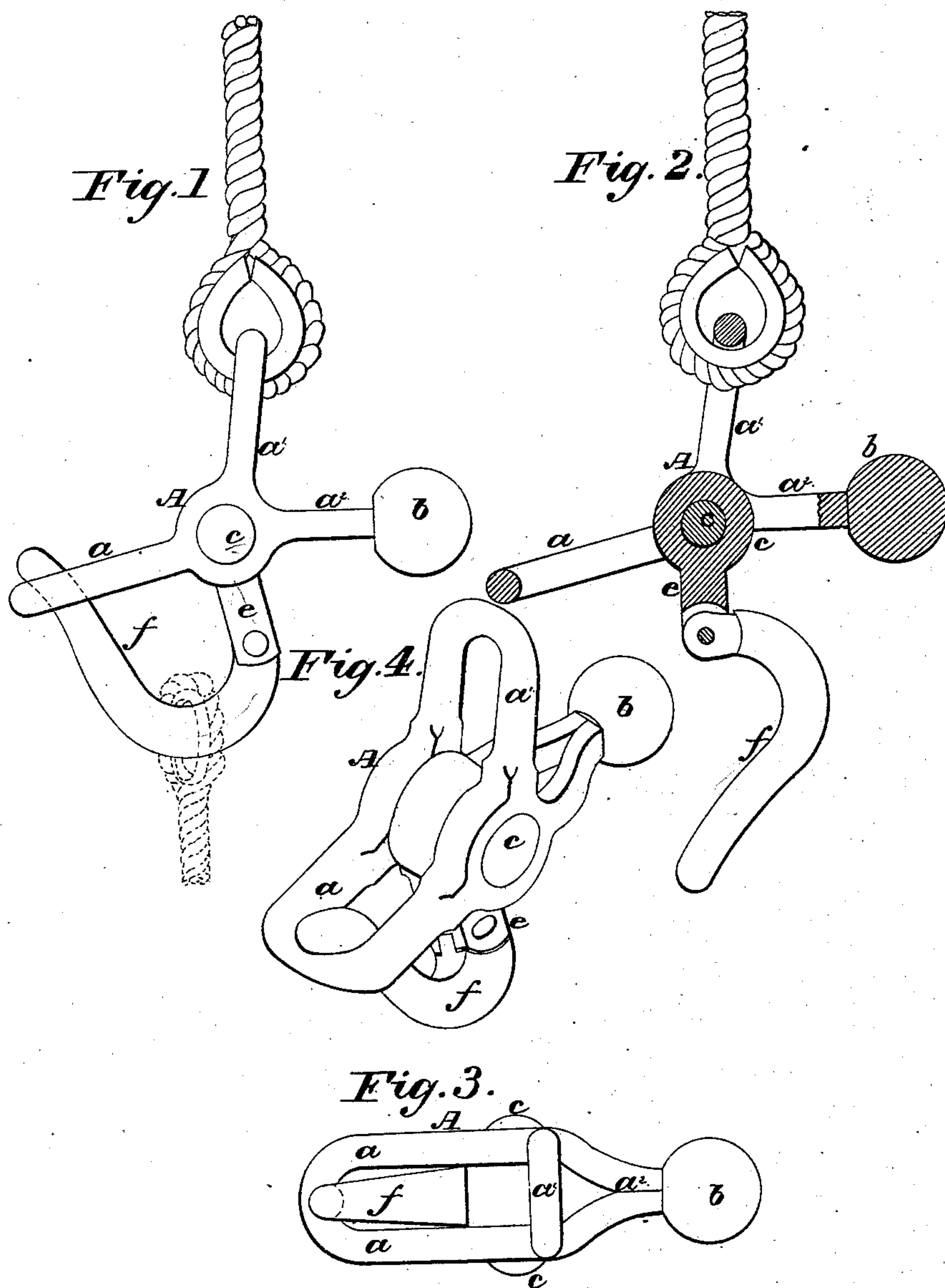


G. J. NEVEIL.
RETAINING AND RELEASING HOOK.

No. 71,779.

Patented Dec. 3, 1867.



United States Patent Office.

GEORGE J. NEVEIL, OF PHILADELPHIA, PENNSYLVANIA.

Letters Patent No. 71,779, dated December 3, 1867.

IMPROVED RETAINING AND RELEASING-HOOK.

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, GEORGE J. NEVEIL, of Philadelphia, Pennsylvania, have invented an Improved Retaining and Releasing-Hook; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawing, and to the letters of reference marked thereon.

My invention consists of a hook, constructed as fully described hereafter, so that it will remain firmly attached to any object to which it is connected, so long as the latter is not otherwise sustained, but will disconnect itself from the said object the instant the latter receives any other support.

In order to enable others skilled in the art to make and use my invention, I will now proceed to describe its construction and operation, reference being had to the accompanying drawing, which forms a part of this specification, and in which—

Figure 1 is an exterior view of my improved retaining and releasing-hook,

Figure 2 a sectional view,

Figure 3 a plan view, and

Figure 4 a perspective view.

A is hanger, from which project three staples, a a^1 a^2 , and to the latter is secured a weight, b . To a pin, c , which extends across the hanger, is hung a link, e , and to the lower end of the latter is jointed a hook, f , of the form shown in the drawing. The rope or chain by which the hanger is suspended is connected to the staple a^1 , the hook f is passed through an eye or staple on the object to which the device is to be secured, and the end of the hook is introduced into the staple a , to the position shown in fig. 1.

So long as there is any pressure upon the hook f , the end of the latter will be maintained firmly in contact with the staple a , and the hook will be secured in its position. When, however, the object suspended from the hook receives any support, so that the hook is relieved from pressure, the weight b , by depressing the end of the hanger to which it is attached, will cause the staple a to be elevated from contact with the hook, the latter will be released, and will fall to the position shown in fig. 2, when it may be withdrawn from the eye or staple through which it is passed.

This device, although applicable to many purposes, is specially adapted for use in connection with apparatus for lowering boats from the sides of vessels, the hook remaining securely attached to the boat so long as the latter is unsupported, but disconnecting itself the instant the boat rests upon the surface of the water.

I claim as my invention, and desire to secure by Letters Patent—

The construction and arrangement of the hanger A , link e , and hook f , substantially as and for the purpose described.

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

GEORGE J. NEVEIL.

Witnesses:

C. B. PRICE,

CHARLES E. FOSTER.