

C. P. WYCKOFF.
Boat-Detaching Apparatus.

No. 200,159.

Patented Feb. 12, 1878.

Fig. 1.

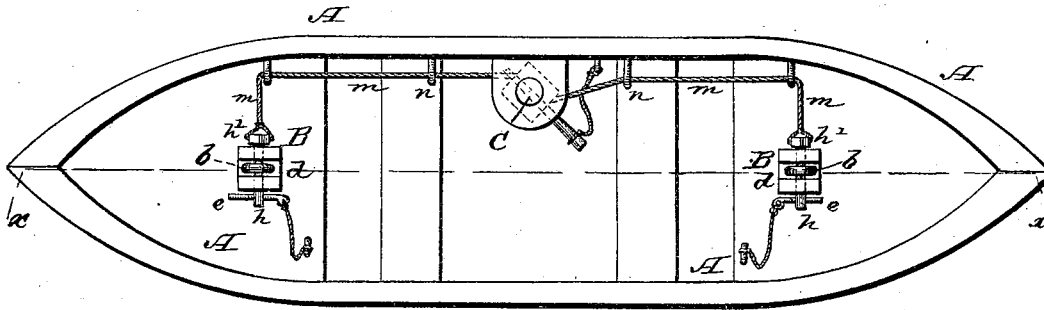


Fig. 2.

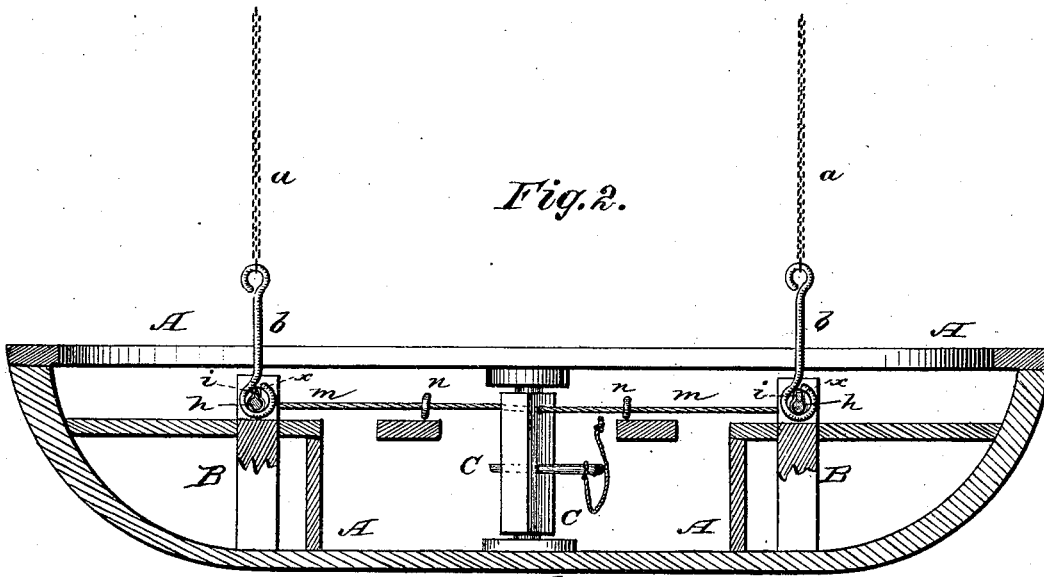
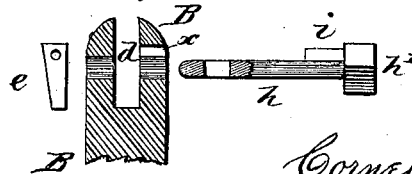


Fig. 3.



Witnesses:

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Inventor:

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UNITED STATES PATENT OFFICE.

CORNELIUS P. WYCKOFF, OF MOBILE, ALABAMA.

IMPROVEMENT IN BOAT-DETACHING APPARATUS.

Specification forming part of Letters Patent No. **200,159**, dated February 12, 1878; application filed November 6, 1877.

To all whom it may concern:

Be it known that I, CORNELIUS P. WYCKOFF, of Mobile, in the county of Mobile and State of Alabama, have invented certain new and useful Improvements in Boat-Detaching 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 which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

The nature of my invention consists in the construction and arrangement of an apparatus for detaching boats from the davits at the side of a vessel, as will be hereinafter more fully set forth.

The annexed drawings, to which reference is made, fully illustrate my invention.

In said drawings, Figure 1 is a plan view. Fig. 2 is a central vertical section on line *x x*, Fig. 1; and Fig. 3 is a detail.

A represents a boat of any ordinary or suitable construction, suspended, by means of ropes or chains *a a*, from the davits at the side of a vessel in the usual manner. The end of each rope or chain *a* has attached to it a link, *b*, which is connected to the boat in the following manner: Near each end of the boat A is a post, B, built into and permanently secured to the same. The upper end of said post is cut out in the center to form a fork, *d*, in which the end of the link *b* is inserted, and held by a pin, *h*, passing horizontally through it, as shown.

The pin *h* has at one end a head, *h'*, and from said head extends, on the top of the pin, a longitudinal rib or tongue, *i*, of sufficient length to pass through a slot, *x*, made in the jaw of the fork *d*, on one side, at the top of the hole for the pin, whereby said pin is prevented from turning in the fork. In the other end of the pin *h* is made a vertical mortise for the passage of a wedge-shaped key, *e*, from the top, to lock the pin in its place.

In the head *h'* of each pin is attached a rope or chain, *m*, which is carried on a line with the pin to the side of the boat, and there is passed through a staple, *n*, or around a pulley, from which it runs on the inside, along the side of the boat, to a windlass, C, arranged in the center of the boat, on one side. The two ropes or chains *m m* are fastened to opposite sides of said windlass.

By turning the windlass C in either direction, both cords or chains *m* are wound up thereon simultaneously and equally, so as to withdraw both pins *h h* at the same time from the forks *d d*, the keys *e* having been previously removed, thereby releasing the links *b b*, and allowing the boat to move off.

Any suitable device may be used for lowering the boat from the side of the vessel; and as I claim nothing on such device, I have not deemed it necessary to show such in the drawings.

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

1. In a boat-detaching apparatus, the combination, with the boat A, of the posts B B, forming the forks *d d*, the links *b b* attached to the hoisting-ropes *a a*, the pins *h h*, ropes or chains *m m*, and the windlass C, arranged in the center, at one side of the boat, substantially as and for the purposes herein set forth.

2. The combination of the perforated fork *d*, with slot *x* in one jaw, the headed and slotted pin *h*, with tongue or rib *i*, and the key *e*, substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

CORNELIUS PETER WYCKOFF.

Witnesses:

JOHN C. BERRY,
C. E. THOMAS.