B. A. FISKE.

Boat Detaching Apparatus.

No. 206,100. Patented July 16, 1878.

Fig. 1.

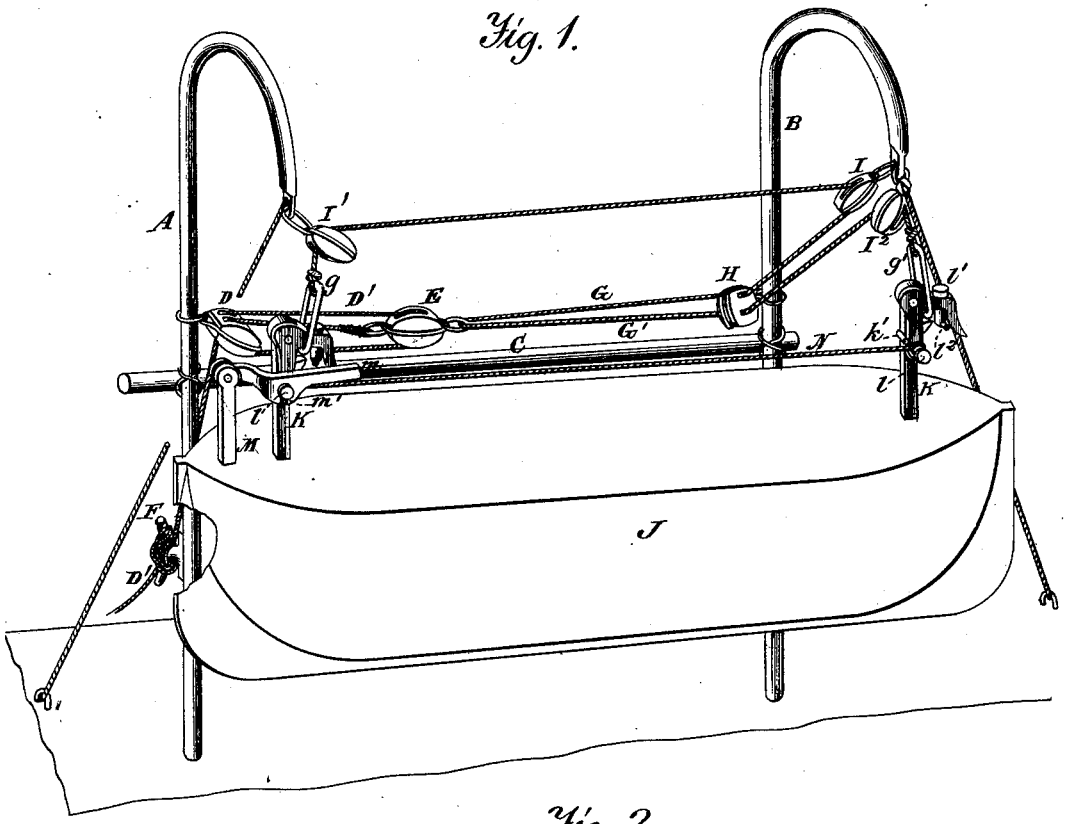
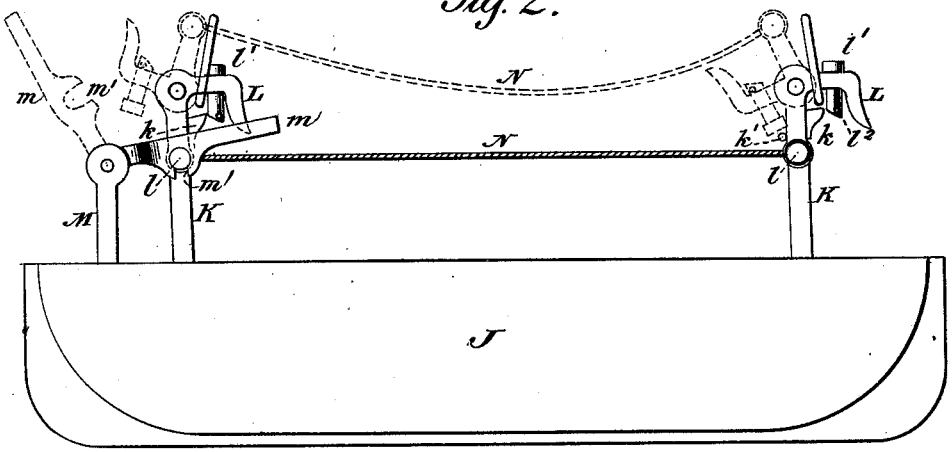


Fig. 2.



Witnesses.

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UNITED STATES PATENT OFFICE.

BRADLEY A. FISKE, OF NAPERVILLE, ILLINOIS.

IMPROVEMENT IN BOAT-DETACHING APPARATUS.

Specification forming part of Letters Patent No. **206,100**, dated July 16, 1878; application filed April 30, 1878.

To all whom it may concern:

Be it known that I, BRADLEY A. FISKE, of Naperville, in the county of Du Page and State of Illinois, have made certain new and useful Improvements in Boat Lowering and Detaching Devices; 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 drawing, and to the letters of reference marked thereon, which forms a part of this specification, and in which—

Figure 1 is a perspective view of my improved boat lowering and detaching apparatus, and Fig. 2 is a side elevation.

Corresponding parts in the two figures are denoted by similar letters of reference.

My invention has for its object the simplifying and rendering safe and easy the lowering and hoisting of a boat from the davits of a ship or vessel, and also a simple and effective means for detaching the boat when lowered; and it consists of two pendants, from which the boat depends, reeving through pulleys, and connected to and operating with one hoisting-tackle; and also of a hooked lever, having a sliding pin, used in connection with a projection upon an upright bar, and a lever or bar, substantially as hereinafter more particularly set forth.

In the annexed drawing, A B represent the davits of a ship or vessel, having the usual strong back C. Secured to the davit A in any suitable position is a double block, D, through which and the single block E reeves a rope or tackle, D′, the end or slack of which is wound around or secured to the cleat F. Fastened to the block E are the ends of the pendants G G′, which reeve through the double block H, attached to the davit B, and then separate, the pendant G reeving through the block I, attached to the end of the davit B, and the block I¹, attached to the end of the davit A, and the pendant G′ reeving through the block I².

J marks a boat, in each end of which are firmly secured uprights K, having projections *k* and a stop, *k′*, as shown in the drawing. Pivoted to the free ends of the uprights *k* are hooked or angle levers L, which receive the links or rings *g g′*, having upon their lower ends caps or projections *l*, and in their upper ends, sliding in eyes, headed pins *l*¹, the latter of which, in connection with the projections *k* of the upright K, prevent the escape of the links or rings *g g′*. The pins *l*¹ have small cross-pieces *l*², securely fastened to their lower ends, to prevent them from falling out of the eyes in the lever L.

In either end of the boat J is secured an upright, M, in juxtaposition with the upright K, to which is pivoted a shaft or lever, *m*, moving in a vertical plane, and having a slot, *m′*, which engages with the cap or projection *l*, to prevent the levers L from revolving and releasing the links *g g′*. The levers L in each end of the boat are connected together by means of a rope, chain, or other suitable material, *m*, secured to the caps *l*, thus enabling the two devices to be simultaneously released.

It will be observed that when it is desired to lower the boat into the water one person pays out the single tackle D′, which allows both pendants to be simultaneously led out, causing the boat to be lowered square or level; and at the proper moment another person in the boat raises the lever *m*, which frees the cap *l* from the slot *m′*, allowing the levers L to rotate on their axes, as shown by the dotted lines, Fig. 2, thus releasing the links or rings *g g′* from said levers and dropping the boat into the water.

To attach the boat and raise the same to the davits, return the hook to its normal position, rest the lever *m* upon the cap *l*, so that the said cap will engage with the slot *m′*, and hook the rings or links *g g′*, suspended from the pendants G G′, over the hooked levers L, when the boat is ready to be hoisted by means of the tackle D′ reeving through the blocks D and E.

The lever *m* may work in a horizontal plane.

The double block H can be taken from my device without impairing its successful operation. The single block I, with or without the block H, may also be removed. In the event of both being removed, the block D of the hosting-tackle would be secured to some convenient place—as, for instance, on deck or aloft.

To successfully lower a boat into the water, it should be lowered square or level, and as,

with my device, only one man is required to do the work, he can lower as rapidly as in his judgment is best, not having to wait for a man at the other end or tackle to lower.

In hooking on in a seaway it is a much easier, safer, and more expeditious undertaking where but a single pendant has to be managed at each end of the boat than by the present method of having two heavy blocks and tackles.

After the boat is detached, the weight of the block E causes the rings in the ends of the pendants to run up to the davit-heads, thus removing from the men in the boat the danger of being struck by them swinging, as they would with the rolling of the ship.

The sliding bolt shown in the present application I find in practice to be far superior in operation and durability to the arm G, stop *g'*, and weighted lever *g* of my patent dated February 12, 1878, No. 200,270, boat-detaching apparatus.

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

1. The combination, with the pendants G G' and tackle D D', of the block E, whereby the links *g g'* of the pendants are drawn up to the davit-heads when the boat is detached, substantially as and for the purpose set forth.

2. The blocks D E and tackle D', in combination with the pendants G G' and blocks I^1 I^2, substantially as and for the purpose set forth.

3. The blocks D E and tackle D', in combination with the pendants G *g* G' *g'* and blocks H I I^1 I^2, arranged as shown and described.

4. In a boat detaching and attaching device, the upright K, having the projection *k*, and pivoted hooked lever L, having the sliding pin l^1, substantially as and for the purpose set forth.

5. In a boat detaching and attaching apparatus, the upright K, having the projections *k k'*, pivoted hooked lever L, having the sliding pin l^1 l^2 and cap *l*, in combination with the rope, chain, or other material N and lever *m*, substantially as and for the purpose set forth.

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

B. A. FISKE.

Witnesses:
JOS. R. EDSON,
JAMES H. LANGE.