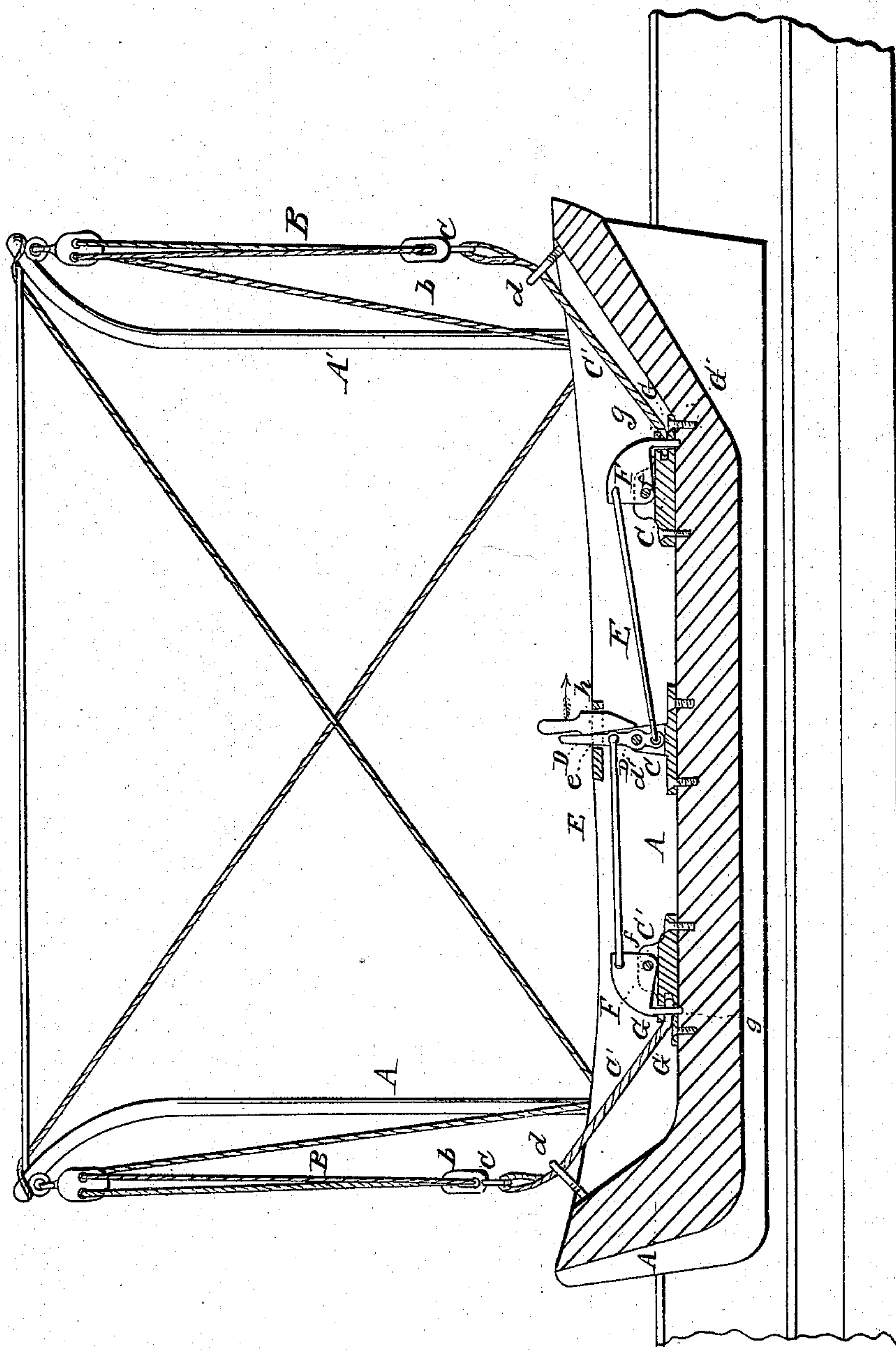


Hurlbut & Snow. Boat Detaching.

No 67,983.

Patented Aug. 20, 1867.



Inventor:

E. C. Hurlbut
E. H. Snow
Per *Wm. L. C.*
Attorneys

Witnesses:

Theo. Tusche
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United States Patent Office.

E. C. HURLBUT, OF MIDDLE HADDAM, AND E. H. SNOW, OF HARTFORD,
CONNECTICUT.

Letters Patent No. 67,983, dated August 20, 1867.

IMPROVEMENT IN BOAT-DETACHING TACKLE.

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

TO ALL WHOM IT MAY CONCERN:

Be it known that we, E. C. HURLBUT, of Middle Haddam, in the county of Middlesex, and State of Connecticut, and E. H. SNOW, of Hartford, in the county of Hartford, and State of Connecticut, have invented a new and useful Improvement in Detaching Boats from their Davits; and we 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.

The drawings represent a vertical longitudinal sectional elevation of our improvement as applied to a boat.

This invention relates to a new mode of detaching boats from their davits, whereby with a single movement boats may be speedily and safely dropped into the water.

A, in the drawings, represents the boat, which is suspended from the usual davits A', by ropes B B and pulley-blocks b b, of the usual construction. The blocks are provided with hooks c c, to receive loop ends of supporting ropes or chains c' c', which are employed at each end of the boat and passed through rings d d, located in the front and rear of the boat respectively. In the central bottom part of the boat is firmly secured a standard, C, to which is pivoted at d' the lever D, the upper end of which terminates in a handle, and is passed through a slot, e, in a plank running crosswise and forming a seat of the boat. To the lever D, above and below the pivot thereof, are secured rods E, which run horizontally to the front and rear of the boat, and connect with the pivoted plates F F, which are pivoted at f to standard C' C' which are attached to the floor of the boat. The lower ends of the hooks F F pass through holes in the projecting lips G G' of the standards C'. The projecting lips G G' receive the loops or rings of the extremities of the suspending ropes or chains c' c', and the ends of the hooks F F pass through the said loops or rings and firmly hold the said extremities of the ropes c' c' with the lips G-G'. To prevent the boat from being accidentally disconnected, a safety-wedge, h, is passed into the slot e, which firmly holds the lever D in its place.

In disconnecting the boat from its davits, it is necessary to lower the boat to a suitable height above the surface of the water, remove the wedge h, and strike or pull the lever D in the direction of the arrow; thus the ends of the hooks F F become disconnected, and the boat is safely lowered into the water.

Having thus described our invention, we claim as new, and desire to secure by Letters Patent—

The combination and arrangement upon the bottom of the boat of the standards C' C', to which the hooks F F are pivoted, the points of the latter passing through the perforations in the projecting lips G G', thereby securing the looped ends of the chains c' c', and operated by means of the pivoted rods E, and lever D, pivoted to the standard C, in the centre of the boat, substantially as described, for the purpose specified.

The above specification of our invention signed by us this 11th day of February, 1867.

E. C. HURLBUT,
E. H. SNOW.

Witnesses:

WM. F. McNAMARA,
GUSTAVE DIETERICH.