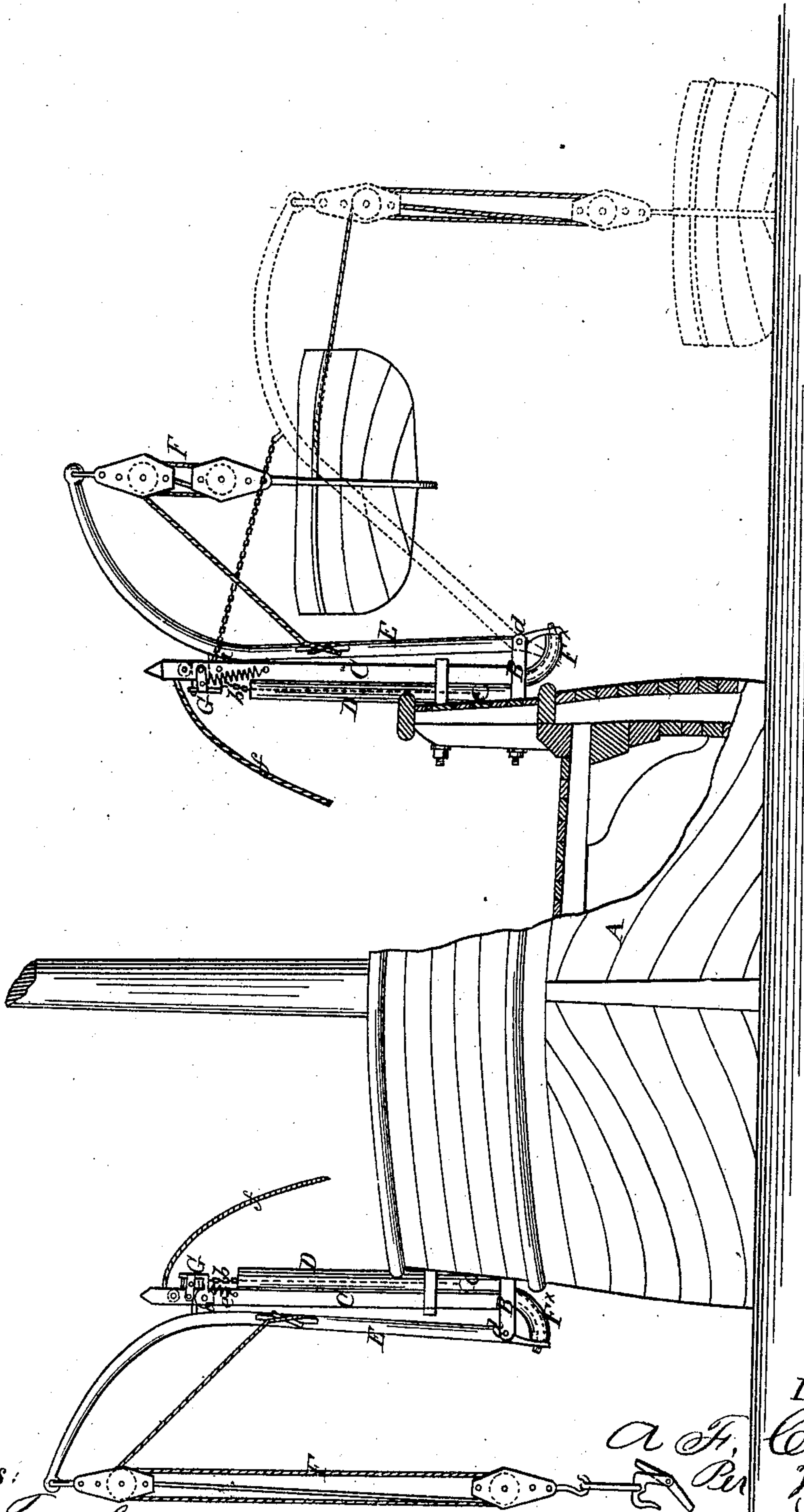


A. F. Crosman.
Lowering Boats.
N^o 72268
Patented Dec. 17, 1867.



Witnesses:
Theo. Lusche
W. Brown

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United States Patent Office.

A. F. CROSMAN, OF STEAMER OSSIPPEE, UNITED STATES NAVY.

Letters Patent No. 72,268, dated December 17, 1867.

IMPROVEMENT IN BOAT-LOWERING 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, A. F. CROSMAN, of the steamer Ossipee, North Pacific Squadron, United States Navy, have invented a new and improved Boat-Lowering Apparatus; and that the following description, taken in connection with the accompanying drawing, hereinafter referred to, forms a full and exact specification of the same, wherein I have set forth the nature and principles of my said improvements, by which my invention may be distinguished from all others of a similar class, together with such parts as I claim and desire to have secured to me by Letters Patent.

This invention relates to a new and improved means for detaching boats from davits.

The accompanying drawing represents a front sectional view of a vessel having my improvement applied to it.

A represents a vessel, to the sides of which horizontal brackets B are firmly secured, and in which the lower ends of uprights C are attached, said uprights being fixed or rigid. To the rear or inner side of each upright there is attached a vertical tube, D, and in the uprights C, just above the tubes D, there are fitted pulleys *a*, over which chains *b* pass, said chains extending down within the tubes D, and having weights *c* attached. To the outer ends of the brackets B the lower ends of the davits E are attached, by joints *d*, the davits extending down a trifle below the joints, and having springs *F*^x bearing against them, which springs have a tendency to keep the davits in an upright position. The weighted chains *b*, which are also attached to the davits, have the same tendency. The davits E have the usual tackle *F* applied to them, and to the rear side of each upright C there is attached a catch G, and these catches have a tendency to engage with the chains *b*, by means of springs *e*, and hold the davits E further in or out from the side of the vessel, as may be required. The catches G have cords *f* attached to them, so that the operator, in lowering the boat, may actuate the catches and admit of the davits E, extending or projecting outward from the side of the vessel as far as circumstances may require. In hoisting the boat, the davits may be made to move inward as far as desired, by freeing the chains *b* from the catches G, the pull on the davit-tackles, in raising the boat, having a tendency to draw the davits upward, and therefore assist the springs *F*^x and weights and chains *c b* in effecting that result.

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

The notched spring-catch G, in combination with the weighted-chains *b* and jointed-davits E, as herein described, for the purpose specified.

The above specification of my invention signed by me, this eleventh day of June, 1867, at Panama.

A. F. CROSMAN.

Witnesses:

E. D. ROBIE,
FRED'K HICKS.