

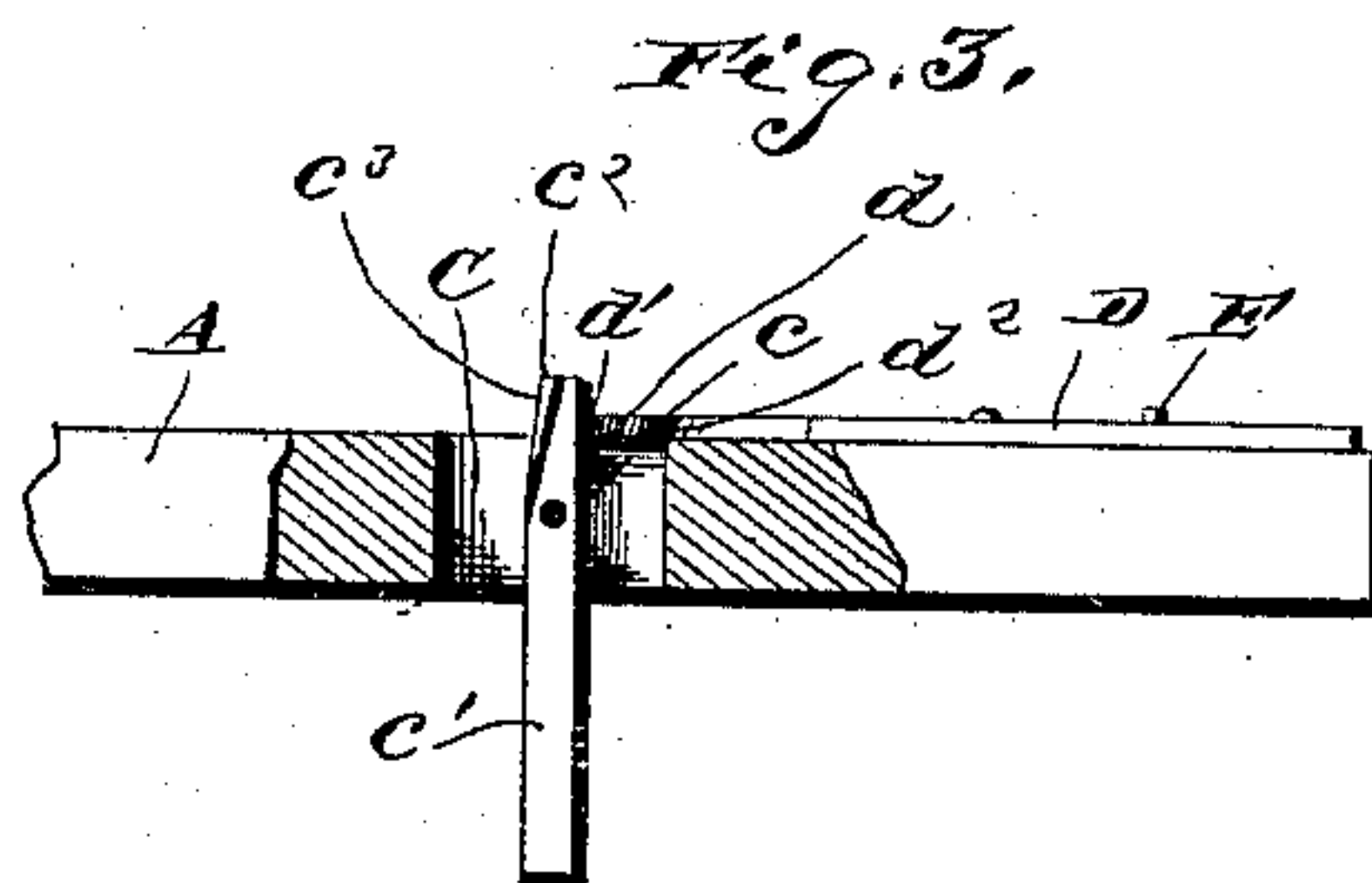
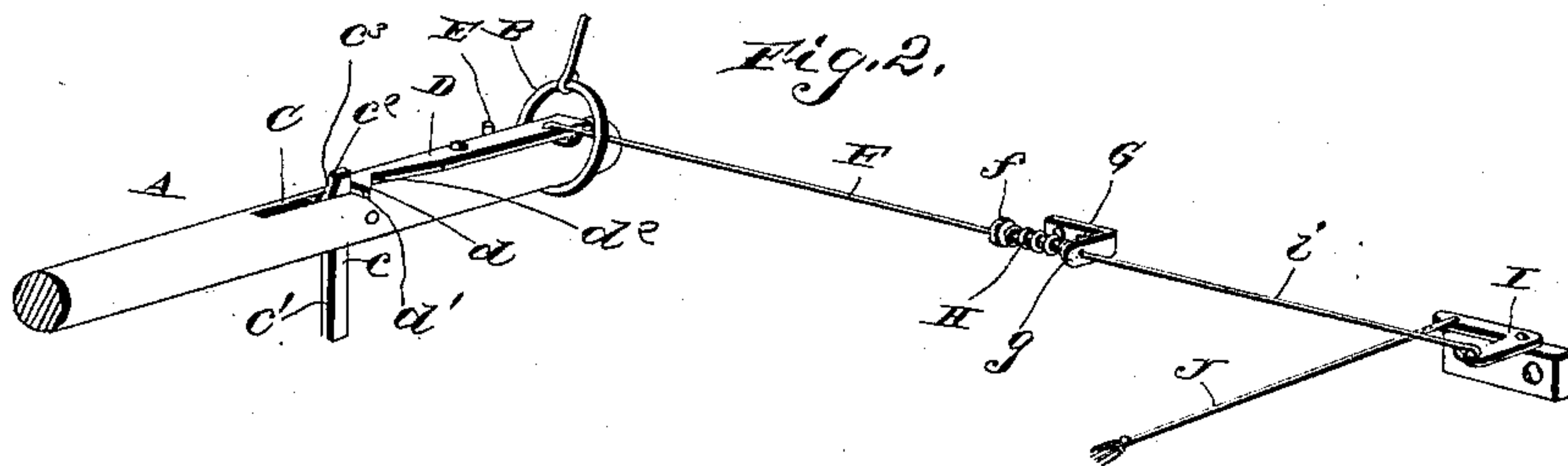
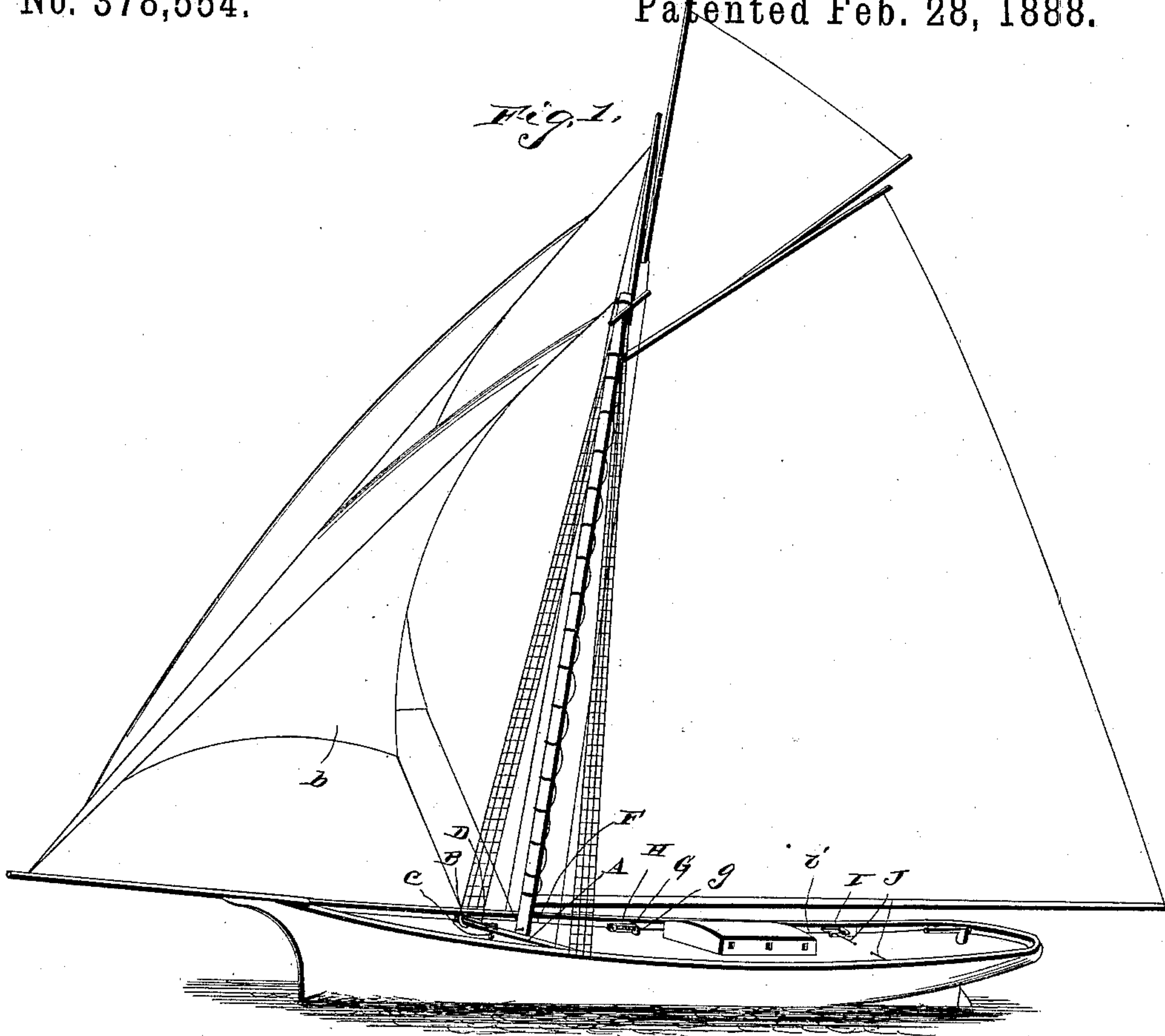
(No Model.)

A. D. POST.

SHEET RING DETACHER FOR VESSELS.

No. 378,554.

Patented Feb. 28, 1888.



Witnesses

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UNITED STATES PATENT OFFICE.

ANDREW DECKER POST, OF KEYPORT, NEW JERSEY.

SHEET-RING DETACHER FOR VESSELS.

SPECIFICATION forming part of Letters Patent No. 378,554, dated February 28, 1888.

Application filed November 29, 1887. Serial No. 256,400. (No model.)

To all whom it may concern:

Be it known that I, ANDREW DECKER POST, a citizen of the United States, residing at Keyport, in the county of Monmouth and State of New Jersey, have invented a new and useful Improvement in Sheet-Ring Detachers for Vessels, of which the following is a specification.

The invention, which is an improvement on a patent granted to me on the 25th day of October, 1887, and numbered 372,085, relates to detachers for the ring-travelers of jib-sheets; and it consists in the construction and novel combination of parts, hereinafter described and pointed out in the claims hereto appended.

In the accompanying drawings, Figure 1 represents a perspective view of the vessel having the improvement attached. Fig. 2 represents a perspective view of the improvement detached from the vessel. Fig. 3 represents a longitudinal vertical section of a portion of the improvement.

Referring to the drawings by letter, A designates the traveler-bar for the jib-sheet *b*, and B designates the ring-traveler on the end of said sheet. The traveler-bar is provided at proper points near each end with the similar vertical and axial slots, C C, in which are pivoted so as to swing freely the detents *c c*, the lower arms, *c'*, of which hang below the traveler, while the upper arms, *c''*, thereof project slightly above the same, and have their inner edges, *c'''*, beveled upwardly and outwardly, as shown. It is evident that the said lower arms, *c'*, are in the path of the jib-sheet traveler B.

D D are levers pivoted about centrally on the traveler-bar to the outer side of the corresponding detents, and each having on the end of its inner arm the hook-point *d*, having the square edge *d'*, adapted to engage against the outer edge of the adjacent detent, and the inclined edge *d''*, adapted to engage against the beveled inner edge of the same.

E E are stop-pins secured to the traveler-bar to prevent the outer arms of the levers D from swinging too far forward. Each of said outer arms has secured near its end the front end of a stiff rod, F, which renders through a perforation in the outstanding arm *g* of a bracket, G, secured to a proper support, such as the bulwark, and has secured upon it in

front of the arm *g* a collar, *f*, between which and the said arm is the coiled spring H, tending to force the outer arm of the lever D forward and its inner arm rearward and into engagement with the corresponding detent.

I is an angle-lever pivoted to a proper support secured to the bulwark at a point a little in front of the rudder-head, and *i* is a rope or wire connecting the longitudinal arm of the angle-lever with the after end of the rod F in rear of the bracket G.

J is a rope running inward from the transverse arm of the angle-lever to a point within reach of the helmsman, so that he can handle both ropes J J and the tiller. A pulley may be substituted for the angle-lever, and the rope from the rod F passed inward therefrom.

The manner in which the invention is operated is as follows: When the jib is full and the ring-traveler caught against the lower arm, *c'*, of the detent *c* on the weather side, the traveler being to the outer side of the detent, and the upper arm of the latter bearing against the end of the lever D on the edge *d'* of the hook *d*, and it is desired to release the jib, the helmsman, by means of the described mechanism, moves the inner arm of the lever D forward, so that the traveler, moved by the pull of the jib-sheet, will pass the detent, now free to swing, and will move leeward till it strikes the opposite or lee detent, the inclined inner edge, *c'''*, of which is engaged against the inclined edge *d''* of the lever D, so that the pull of the traveler on the lower arm of said detent will cause the latter to trip the lever, and the upper arm of the detent will pass to the inner side thereof and be caught against the edge *d'* of the hook *d*. The lower arm of the detent on the weather side being swung inward by the traveler, the upper arm is swung outward and its inclined edge *c'''* is engaged against the inclined edge *d''* of the hook *d* of the corresponding lever D. Thus the detents are set for the opposite tack.

The invention is specially useful in going about.

Having described my invention, I claim—

1. The combination, with the jib-sheet traveler, of the slotted traveler-bar, the detents pivoted in the slots therein and projecting both above and below the slots, the levers piv-

5 oted on the upper side of the traveler-bar and having their inner ends engaging the upper ends of the corresponding detents, and the disengaging mechanism for said levers, constructed substantially as specified.

10 2. The combination, with the jib-sheet traveler, of the slotted traveler-bar, the detents pivoted in the slots therein, projecting both above and below said slots, and having their inner edges above the traveler-bar beveled upwardly and outwardly, the levers pivoted near their centers on the traveler-bar, and provided at their inner ends with the hooks having the straight edge d' and inclined edge d'' , to
15 engage the upper end of the corresponding detents, and the lever-releasing mechanism, constructed substantially as specified.

3. The combination, with the jib sheet trav-

eler, the slotted traveler-bar, the detents pivoted in said slots, and the levers pivoted near their centers on the traveler-bar and engaging the corresponding detents, of the stiff rods secured to the ends of the outer arms of said levers and rendering through perforated brackets secured to the bulwarks and collars on the rods forward of the brackets, and means, substantially as described, for drawing said stiff rods aft, as specified.

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

ANDREW DECKER POST.

Witnesses:

DANIEL AUMACK,
GERSHOM AUMACK.