

(No Model.)

J. F. WALTHOUR.
DEVICE FOR UNSHIPING MASTS.

No. 282,592.

Patented Aug. 7, 1883.

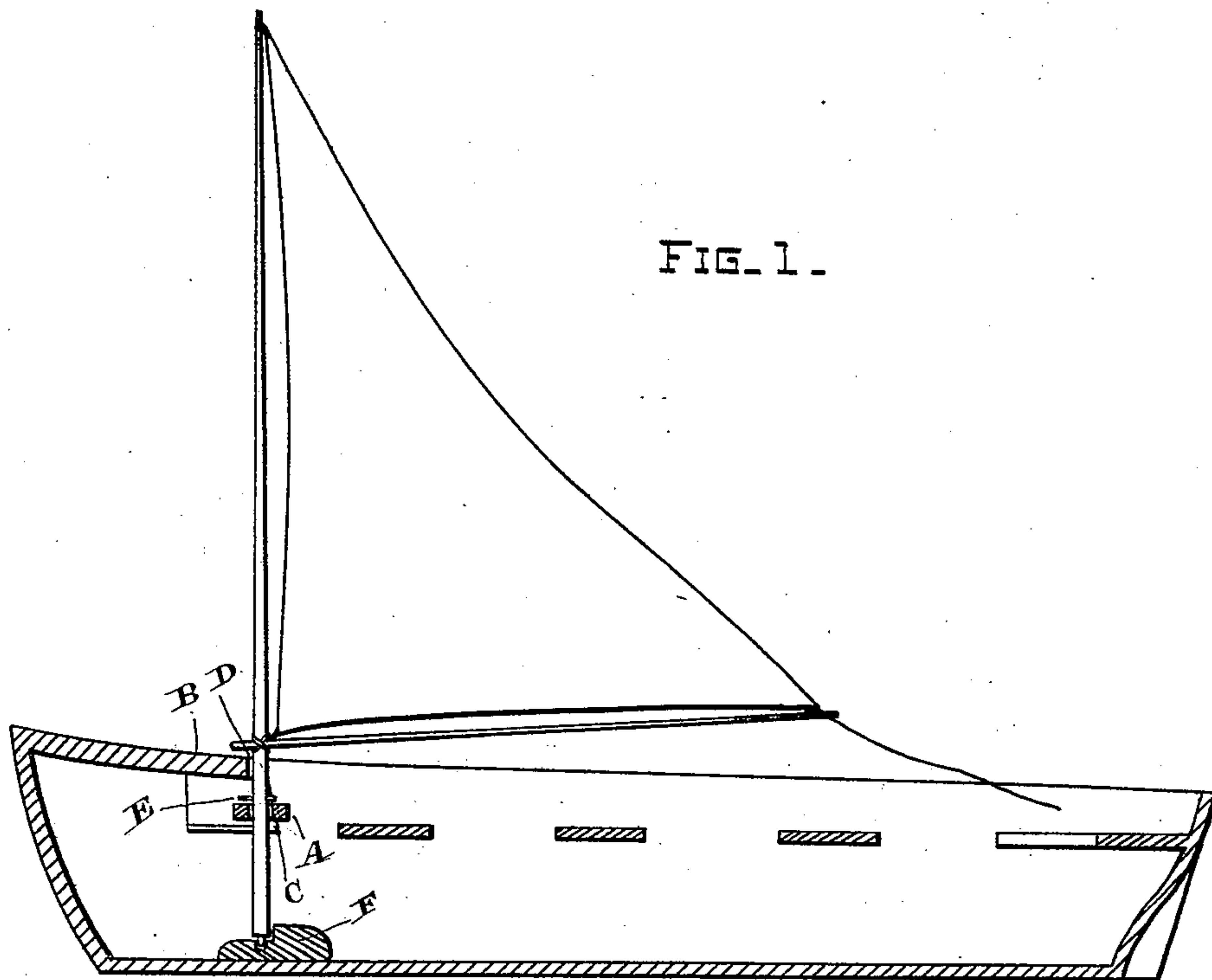


FIG. 1.

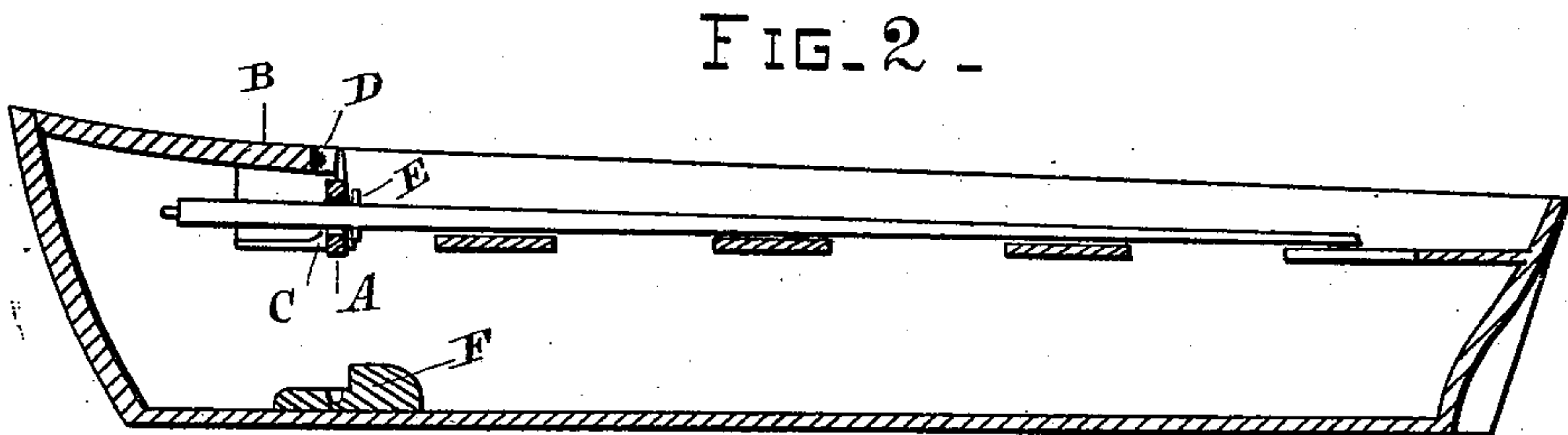


FIG. 2.

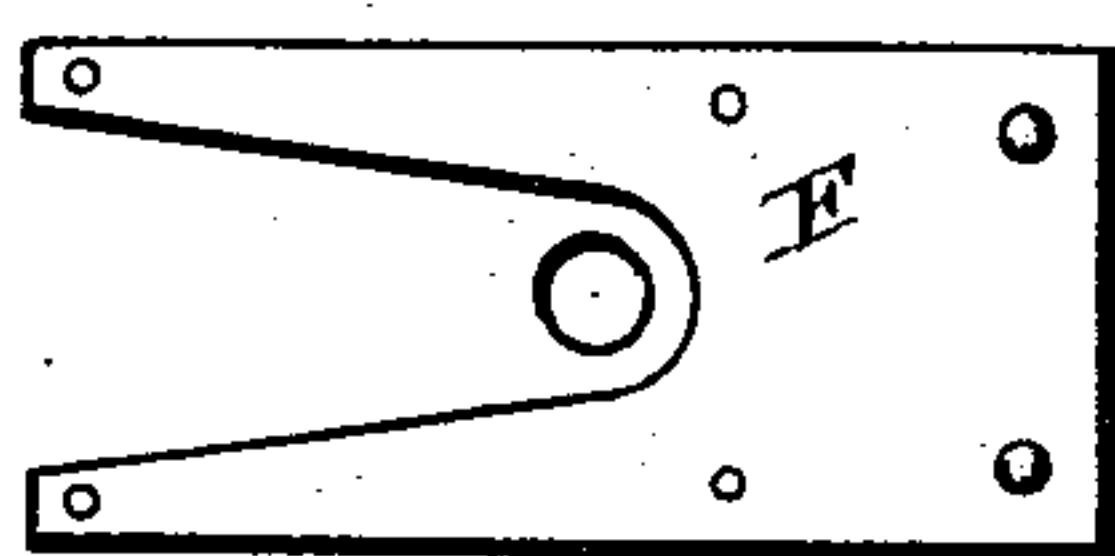


FIG. 3.

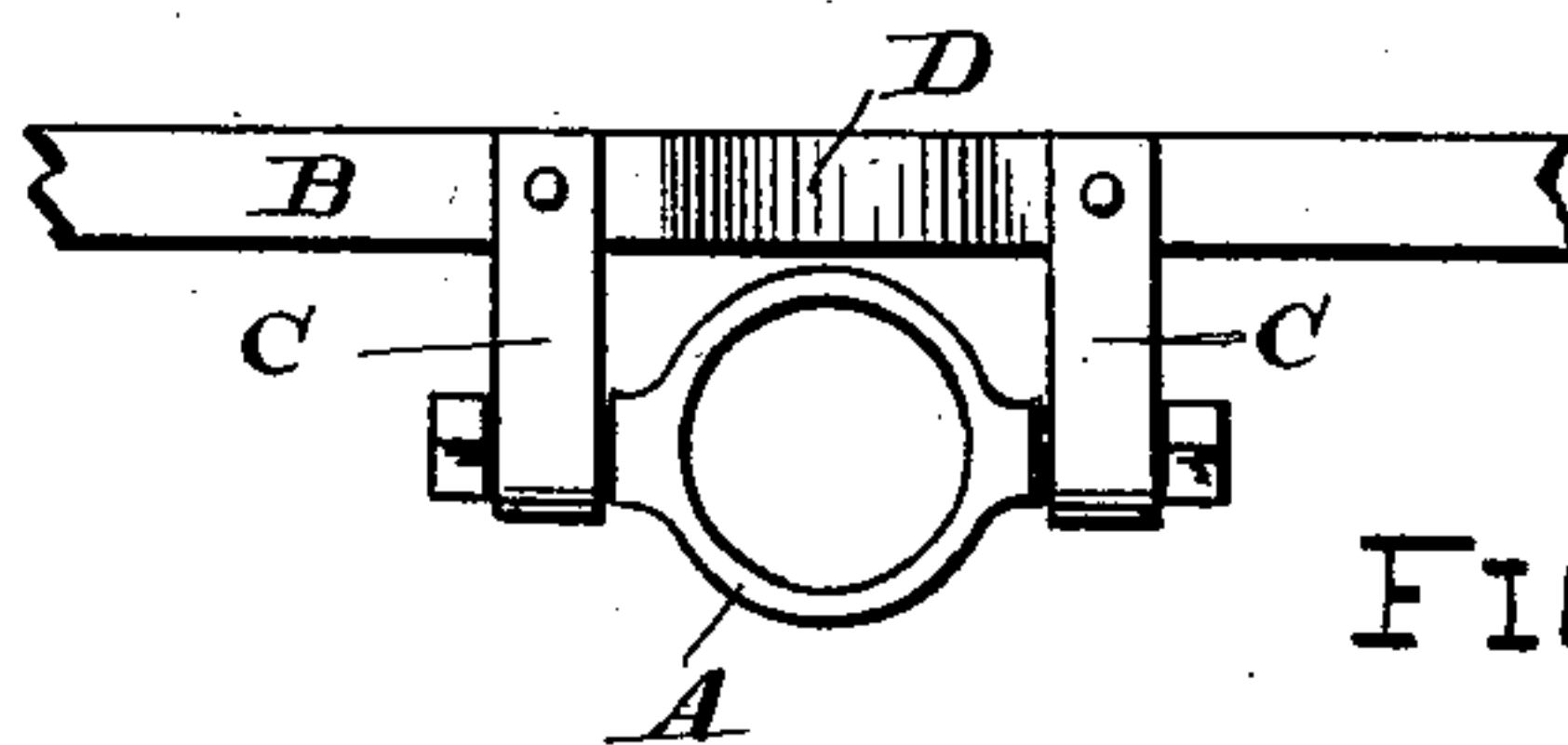


FIG. 4.

WITNESSES
Wilbur Bradford
Edwin Derby

INVENTOR -
John F. Walthour
By *C. M. Smith*
Attorney

UNITED STATES PATENT OFFICE.

JOHN F. WALTHOUR, OF SAN FRANCISCO, CALIFORNIA.

DEVICE FOR UNSHIPPING MASTS.

SPECIFICATION forming part of Letters Patent No. 282,592, dated August 7, 1883.

Application filed April 10, 1883. (No model.)

To all whom it may concern:

Be it known that I, JOHN F. WALTHOUR, a citizen of the United States, residing at San Francisco, in the county of San Francisco and State of California, have invented a new and useful Device for Unshipping Masts of Sail-Boats, of which the following is a specification.

The object of my invention is to provide a means whereby the masts of sail-boats and other small craft can be raised and lowered and the end stepped with ease and rapidity. I accomplish this object by the means illustrated in the accompanying drawings, in which—

Figure 1 is a longitudinal section through a small boat, showing the mast stepped. Fig. 2 is the same, showing the mast unshipped. Fig. 3 is a top view of the step, and Fig. 4 is a front view of the mast-retaining ring.

Similar letters of reference are used to indicate like parts throughout the several views.

Heretofore masts for small sailing craft have been held to the thwarts by means of a latch or hasp, which is keyed to the thwart, necessitating the removal of the key and opening of the latch when the mast is lifted from the step and let go, rendering it liable to lose control of the mast entirely, especially in rough weather, in unshipping, and difficult in raising and shipping the mast into its step.

My invention consists in providing a swinging truss in which the mast is set, and in which it is raised or lowered, while the end of the mast rests in an open step.

A is the truss or ring, which is pivoted to the thwart or hood B by means of right-angled

straps C. The lower or parallel arms of this strap are connected to blocks attached to the under side of the thwart, as shown, to provide sufficient room for the play of the mast in the act of raising or lowering it after unshipping. A half-round opening, D, is made in the thwart to receive a portion of the mast when it is in an upright position, and a pin or lug, E, is connected to the mast, which limits the backward throw when it is being unshipped or set up. The step F is connected to the bottom or keel of the boat, and is an open step, opening forwardly, as shown, for convenience in shipping or unshipping.

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

1. The combination, with a mast and its step, of a ring or truss pivoted to the thwart and adapted to receive the end of the mast and turn on its pivotal points in raising or lowering the mast, substantially in the manner as herein set forth and specified.

2. In combination with the mast of a sailing-vessel, the pivoted ring or truss and the open step, constructed, arranged, and operating substantially in the manner as herein set forth and specified.

In testimony that I claim the foregoing I have hereunto set my hand and seal.

JOHN F. WALTHOUR. [L. S.]

Witnesses:

C. W. M. SMITH,
CHAS. E. KELLY.