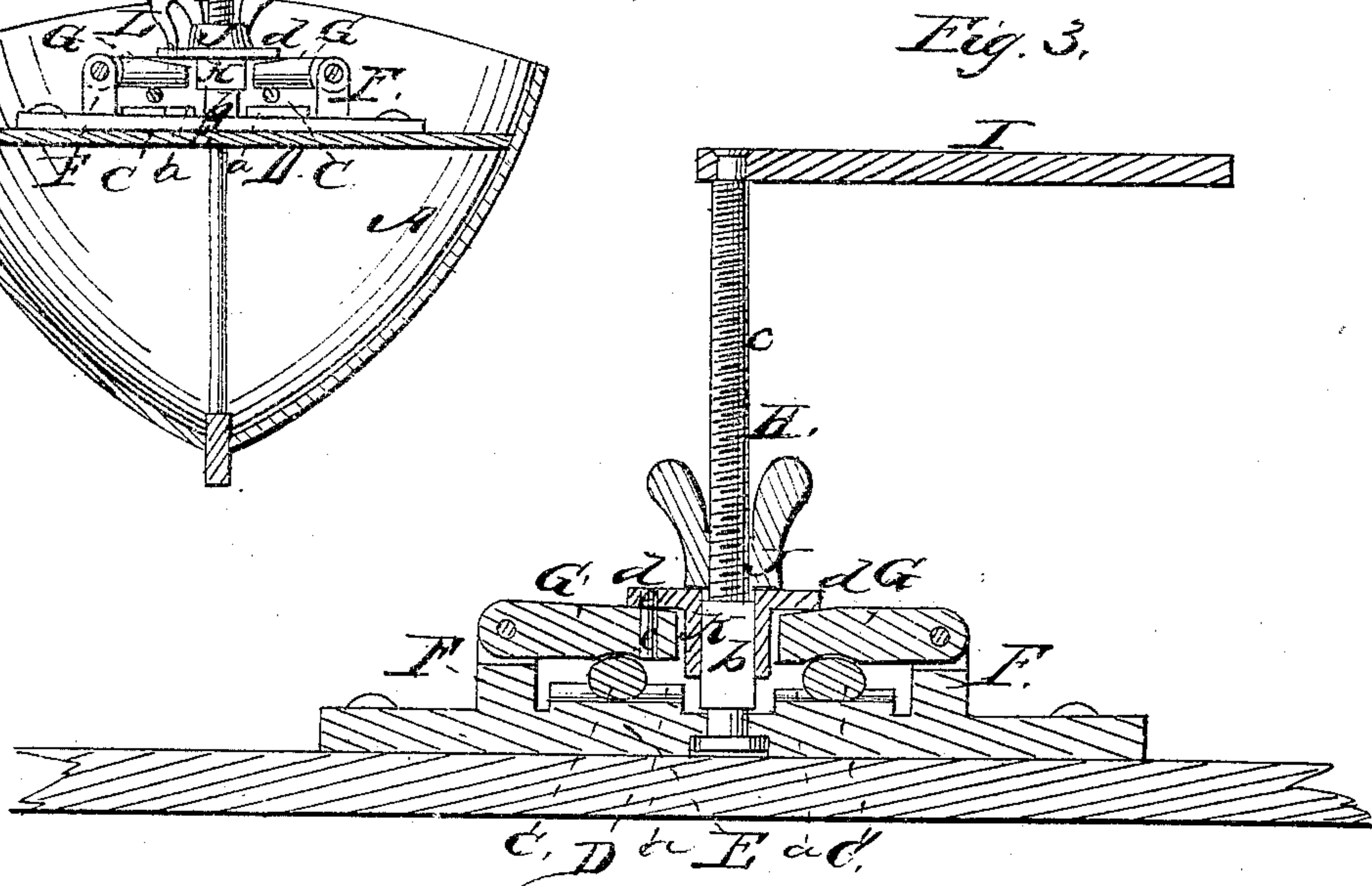
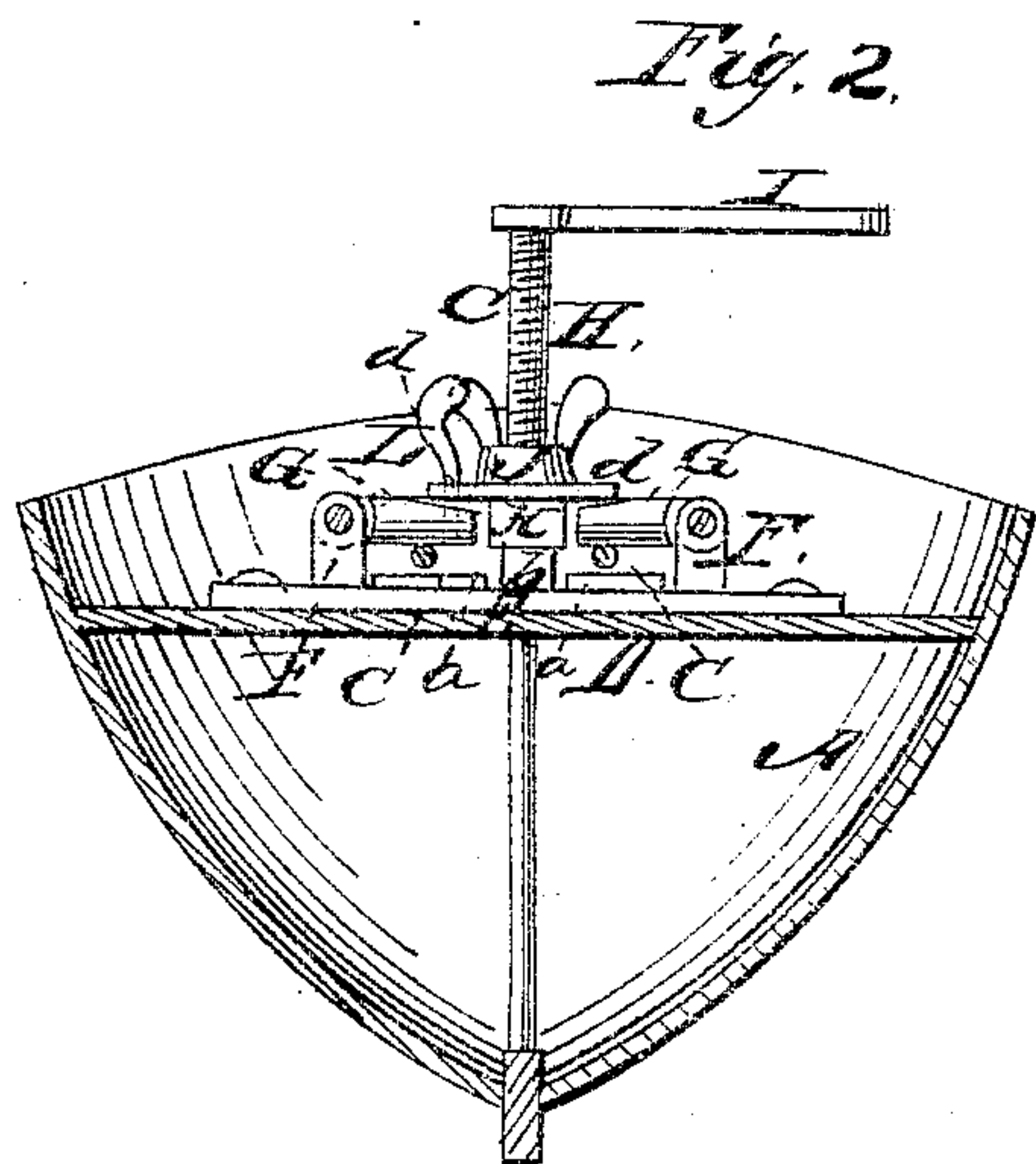
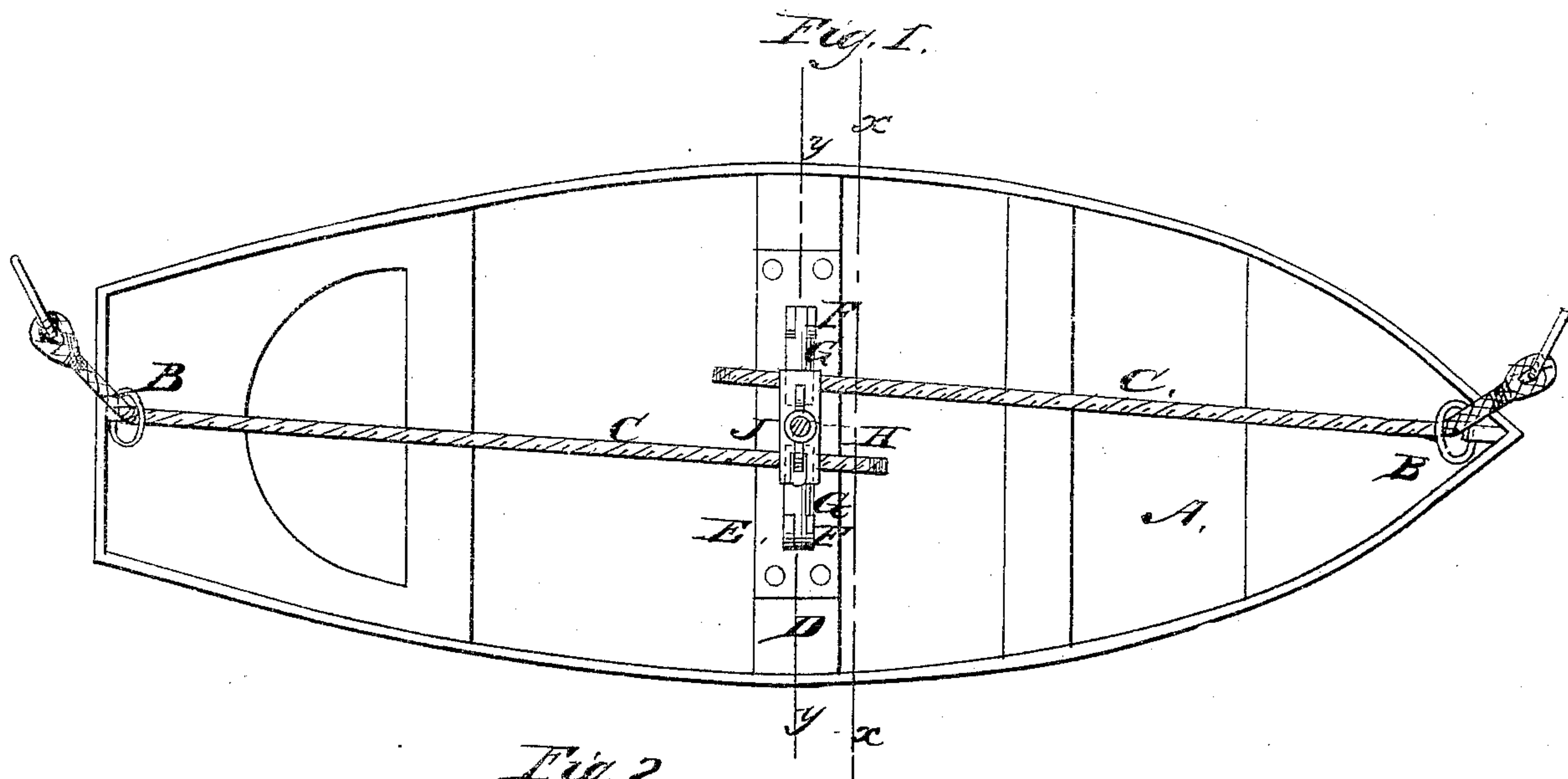


# J. A. Libbertz Boat Detaching.

N<sup>o</sup> 63,268.

Patented Mar. 26, 1867.



Witnesses.  
Theo Tuscher  
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# United States Patent Office.

JOHANN ARNOLD LIBBERTZ, OF HAMBURG, GERMANY.

*Letters Patent No. 63,268, dated March 26, 1867.*

## IMPROVED 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 I, JOHANN A. LIBBERTZ, of Hamburg, Germany, have invented a new and improved Means of Detaching Boats from Davits; 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 make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to a new and improved means for detaching boats from davits, and of that class which admits of both ends of a boat being detached simultaneously by the manipulation of a single lever by one person. The object of the invention is to obtain a simple, efficient, and economical device for the purpose, and one which may be operated with the greatest facility. In the accompanying sheet of drawings—

Figure 1 is a plan or top view of a boat having my invention applied to it.

Figure 2, a transverse section of the same taken in the line *x x*, fig. 1.

Figure 3, a detached and enlarged vertical section of the improvement taken in the line *y y*, fig. 1.

Similar letters of reference indicate like parts.

A represents a ship's boat, which may be constructed in the usual or in any proper manner, and having a ring, B, at each end of it, through each of which rings a rope, C, passes, as shown in fig. 1. On one of the thwarts D of the boat, the central one, there is firmly bolted a metal plate, E, having two ears or lugs, F F, in which arms, G, are pivoted, said arms projecting toward each other and over concave beds, *a a*, on the upper surface of the plate E. To the plate E, at a point midway between the concave beds *a a*, there is secured the lower end of a vertical shaft, H, the latter being allowed to turn freely, and having a horizontal lever, I, attached to its upper end, as shown clearly in figs. 2 and 3. The lower part *b* of the shaft H above the plate E is square, and the portion *c* above *b* is cylindrical, and has a screw-thread cut upon it, with a thumb-nut, J, fitted thereon. On the square portion *b* of the shaft H there is placed a slide, K, which is allowed to move freely up and down on *b*, and this slide is provided with two lateral projecting arms *d d*, shown in all the figures. The inner ends of the ropes C are passed between the arms G G and the concave beds *a a*, and are clamped by means of the arms G G being pressed down by the arms *d d*, under the action of the nut J, as will be fully understood by referring to figs. 2 and 3. While the ropes C C are thus clamped, the boat A may be suspended from the davits, the hooks of the davits passing through the rings B, and in order to prevent the arms *d d* of the slide K from turning off the arms G G, a pin, L, is inserted through a hole, *e*, in one of the arms *d* and G, as will be understood by referring to figs. 2 and 3. The boat thus suspended to the davits is lowered in the usual way, and just before the boat reaches the water the pin L is withdrawn, and as soon as the boat touches the water an attendant turns the shaft H and thereby moves the arms *d d* of the slide K off from the arms G G, and the ropes C C being thereby liberated both ends of the boat will be simultaneously detached from the davits.

This device may be constructed at a very moderate cost, and will operate in the most efficient manner.

I claim as new, and desire to secure by Letters Patent—

The vertical shaft H, provided with the nut J, lever I, and the slide K, having lateral arms *d d*, in combination with the arms G G, pivoted in the ears or lugs F F on the plate E, all arranged to operate in the manner substantially as and for the purposes set forth.

The above specification of my invention signed by me this 18th day of January, 1867.

JOHANN ARNOLD LIBBERTZ.

Witnesses:

WM. F. McNAMARA,  
ALEX. F. ROBERTS.