

(No Model)

F. SYLVESTER.
DORY WINCH.

No. 585,059.

Patented June 22, 1897.

Fig. 1.

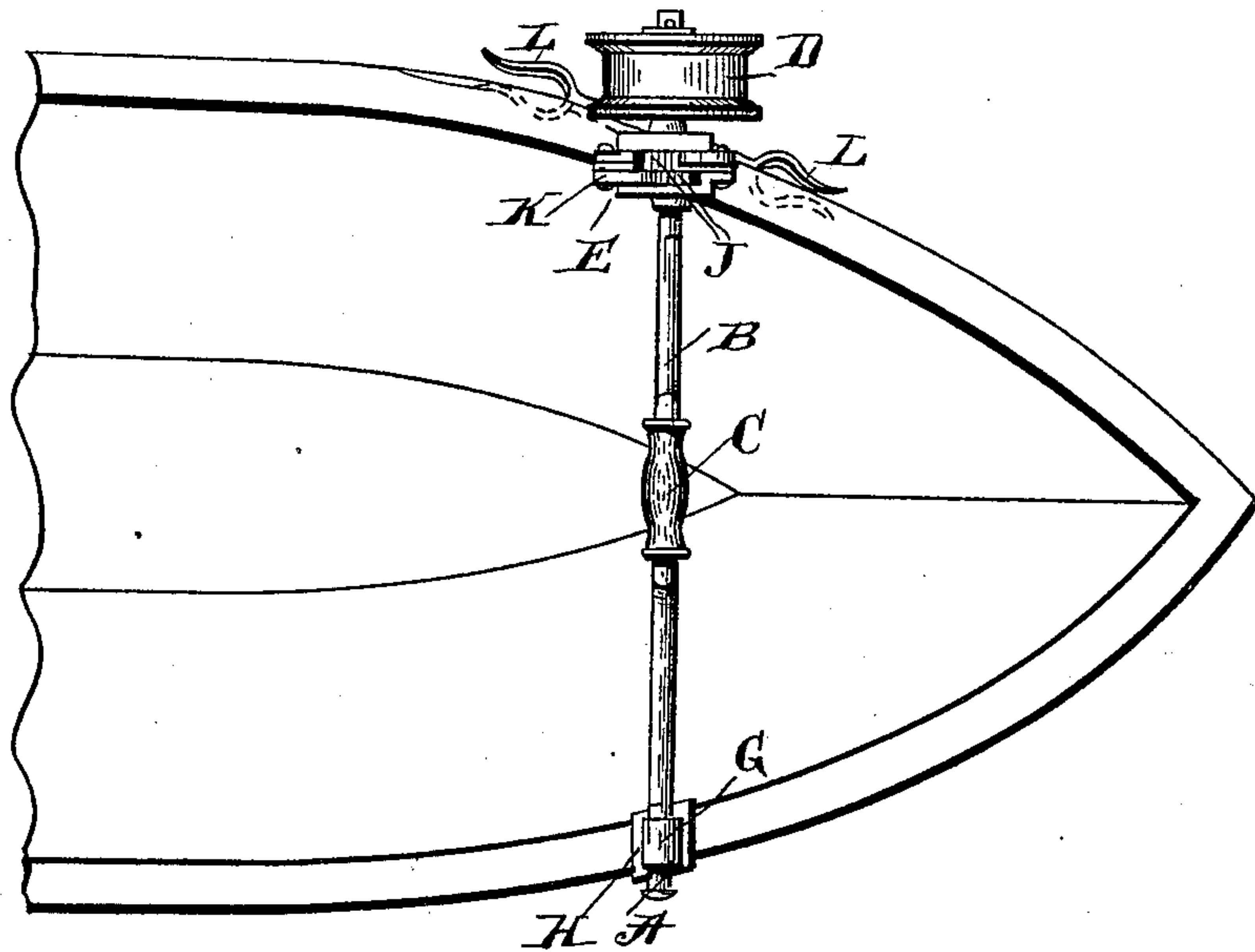


Fig. 2.

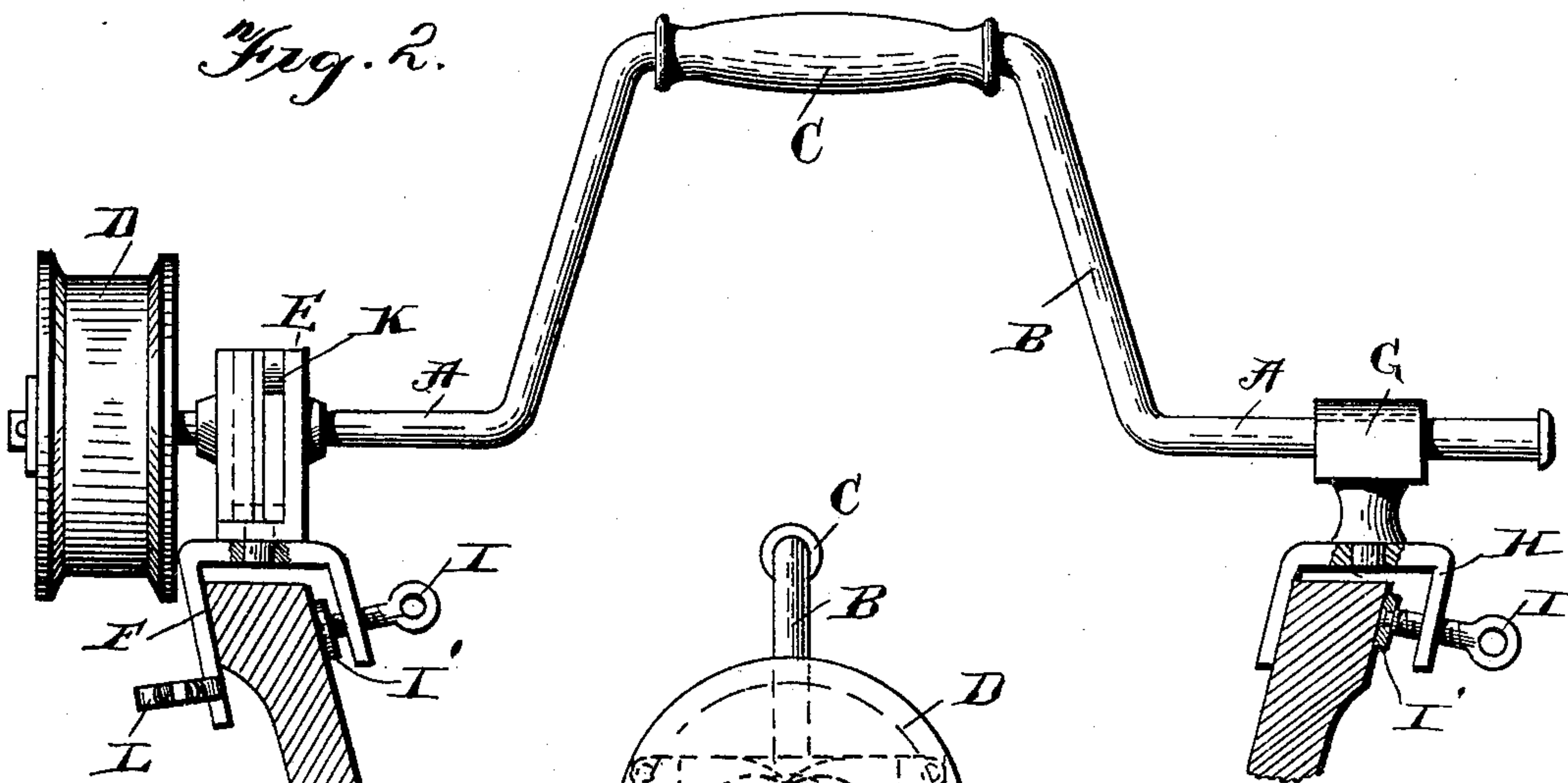
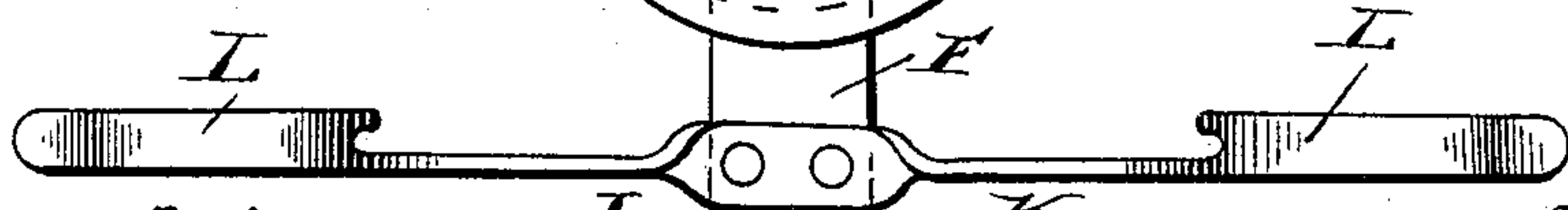
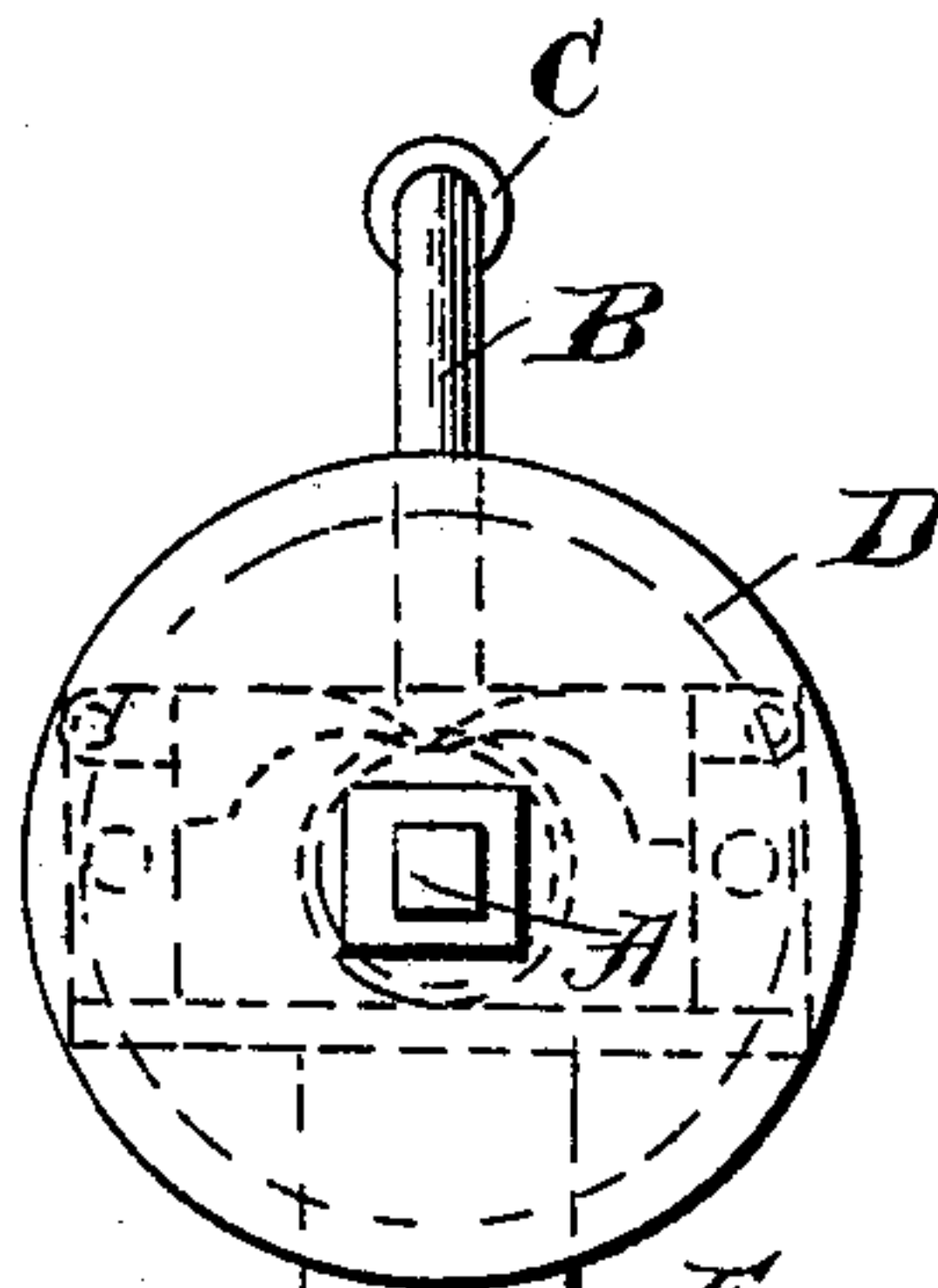
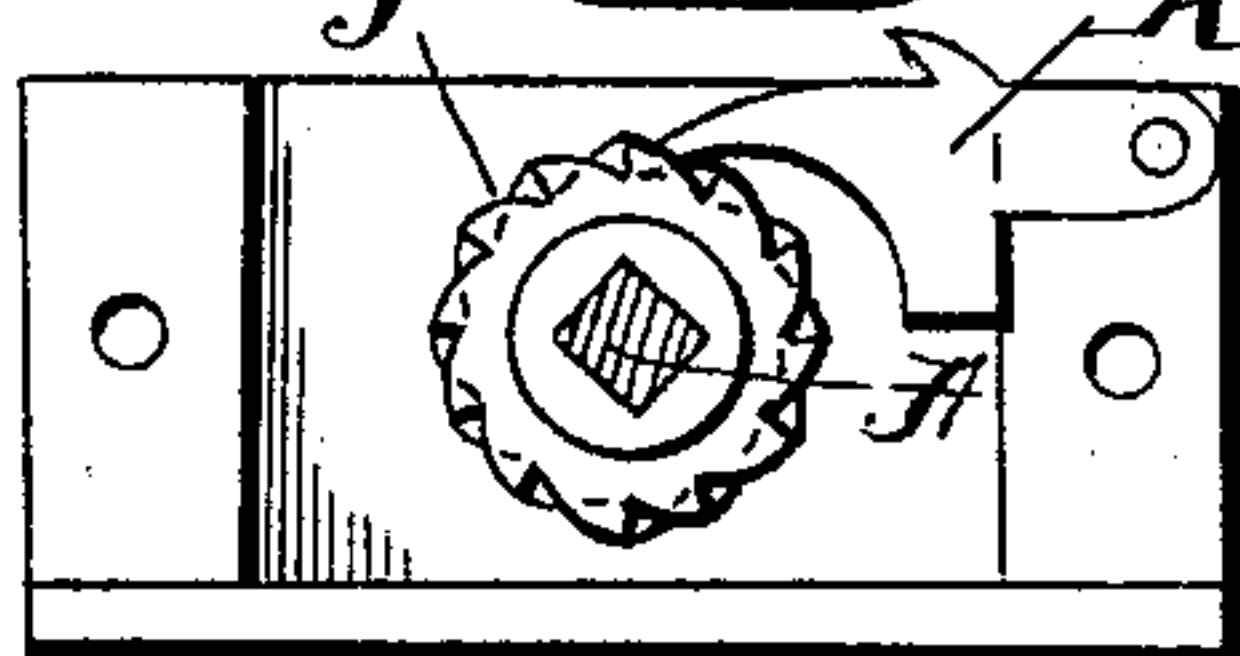


Fig. 3.



Witnesses
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UNITED STATES PATENT OFFICE.

FRIEDERICK SYLVESTER, OF GLOUCESTER, MASSACHUSETTS.

DORY-WINCH.

SPECIFICATION forming part of Letters Patent No. 585,059, dated June 22, 1897.

Application filed December 12, 1896. Serial No. 615,516. (No model.)

To all whom it may concern:

Be it known that I, FRIEDERICK SYLVESTER, of Gloucester, in the county of Essex and State of Massachusetts, have invented certain new and useful Improvements in Dory-Winches; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to a dory-winch; and the object is to provide an improved mechanism for reeling trawling-lines.

The invention consists in the novel features of construction fully described hereinafter and claimed, and illustrated by the accompanying drawings, in which—

Figure 1 is a plan view of the device in position in the bow of a dory. Fig. 2 is a side elevation. Fig. 3 is an end view.

A designates the drum-shaft, having crank B formed centrally therein and carrying loose handhold C. On one extremity of the shaft is drum D, upon which the trawling-line is wound, and the shaft adjacent the drum is journaled in ratchet-box E, said box being pivoted at its bottom to clamp F, which embraces the dory side. The opposite end of the shaft is journaled in bearing G, the latter being pivoted to clamp H, which embraces the opposite side of the dory, as will be understood. The shaft may be moved longitudinally, as desired, in bearing G, and thus the winch is adapted for dories varying in width. The screws I of the clamps carry at their inner ends loose disks or bearing-plates I', whereby a secure hold is obtained, while at the same time the sides of the dory are not defaced by the clamping of the screws.

Mounted upon the shaft within box E are the right and left hand ratchets J, and pivoted to opposite ends of the box are vertically-swinging pawls K for engaging the ratchets and holding the shaft and drum fixed when so desired. By having the right and left hand ratchets the winch may be operated at either side of the dory, as desired.

The end of shaft A, carrying the drum and ratchets, is squared, so as to have positive en-

gagement with the squared openings of said parts.

Secured to the outer fork of clamp F is the double-ended fair-leader L, which, owing to the convergence of the dory sides, is turned beneath the drum and serves to guide the line thereto. The fair-leader consists of a piece of metal forked at each end and having the vertically-flattened central portion, where it is secured to the clamp, as shown. When the winch is arranged to operate on the opposite side of the dory than here shown, it will be understood that the fair-leader will be so turned, owing to the position of the clamp, as to throw the forked end beneath the drum, which end is here represented as being turned to one side. Thus the line-guide or fair-leader is adapted for use in reverse position, as well as the ratchet mechanism.

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

1. An improved winch comprising a shaft, a drum mounted thereon, journal-bearings for the opposite extremities of the shaft, the shaft being movable longitudinally through one of the bearings for the purpose described, and means for securing the bearings in position, substantially as set forth.

2. An improved dory-winch, comprising clamps adapted to attach to opposite sides of a dory, bearings pivoted to turn horizontally on the clamps, an operating-shaft having fixed rotation in one of the bearings and adapted to move longitudinally through the other bearing, and a drum on the shaft, substantially as shown and described.

3. An improved dory-winch comprising a shaft, a drum carried thereby, a clamp adjacent the drum upon which the shaft is pivotally supported, and a fair-leader secured to the clamp and adapted to be turned thereby into proper position relative to the drum, substantially as shown and described.

4. The combination with the drum of a dory-winch, of a double-ended fair-leader arranged beneath the drum with its opposite ends in advance of opposite sides of the drum, the leader having pivotal movement or adjustment in a plane parallel with the axis of

the drum, substantially as shown and described.

5 5. The combination with a shaft, a drum on its projecting end, and a bearing for the shaft, of a clamp pivotally supporting the bearing and adapted to be attachably secured to a dory side, an elongated double-ended fair-leader arranged longitudinally of and beneath the drum and secured centrally to the
10 clamp, with its extremities respectively in advance of opposite sides of the drum, whereby

the fair-leader is in operative position with relation to the drum whether the latter be mounted in the bow or stern of the dory, substantially as shown and described. 15

In testimony whereof I affix my signature in presence of two witnesses.

FRIEDERICK SYLVESTER.

Witnesses:

HENRY C. L. HASKELL,
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