

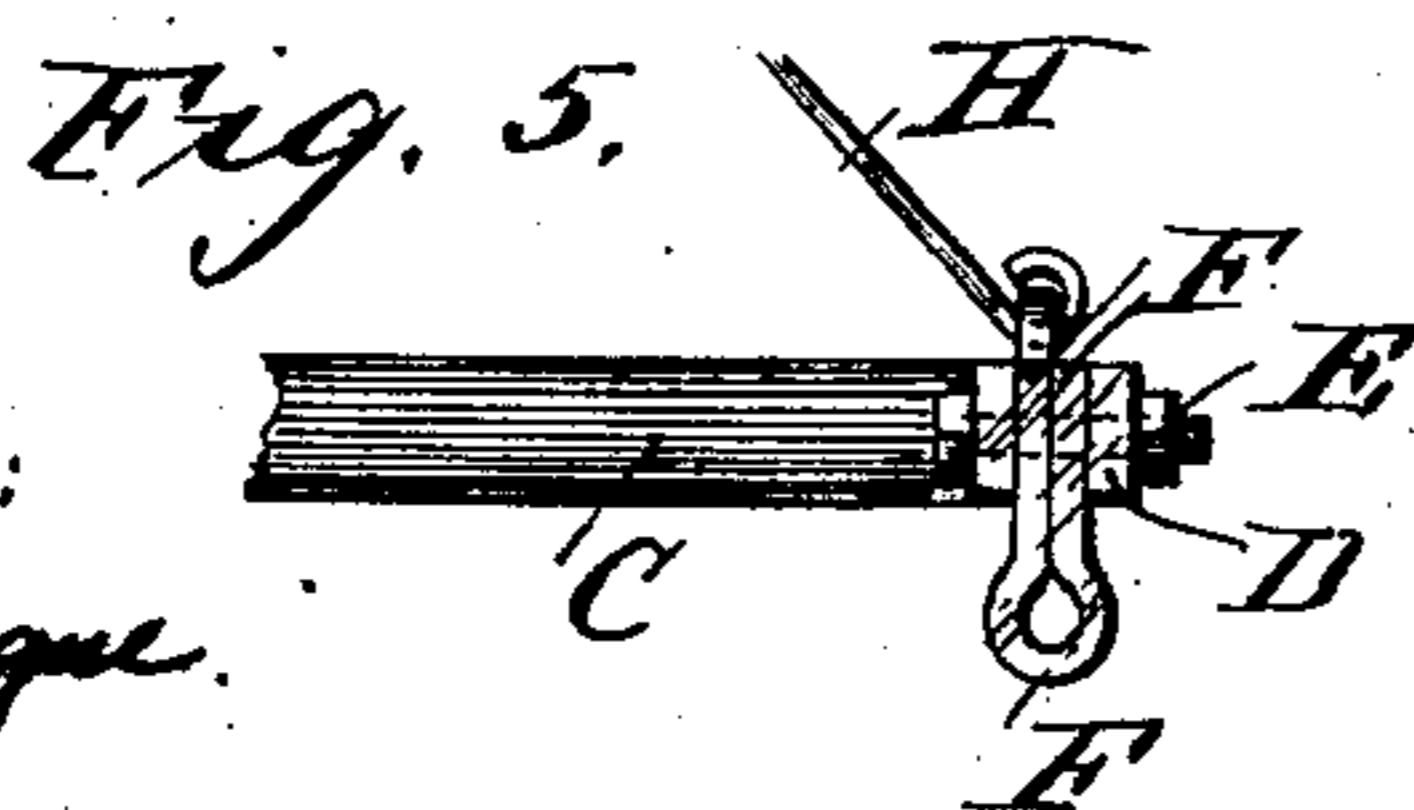
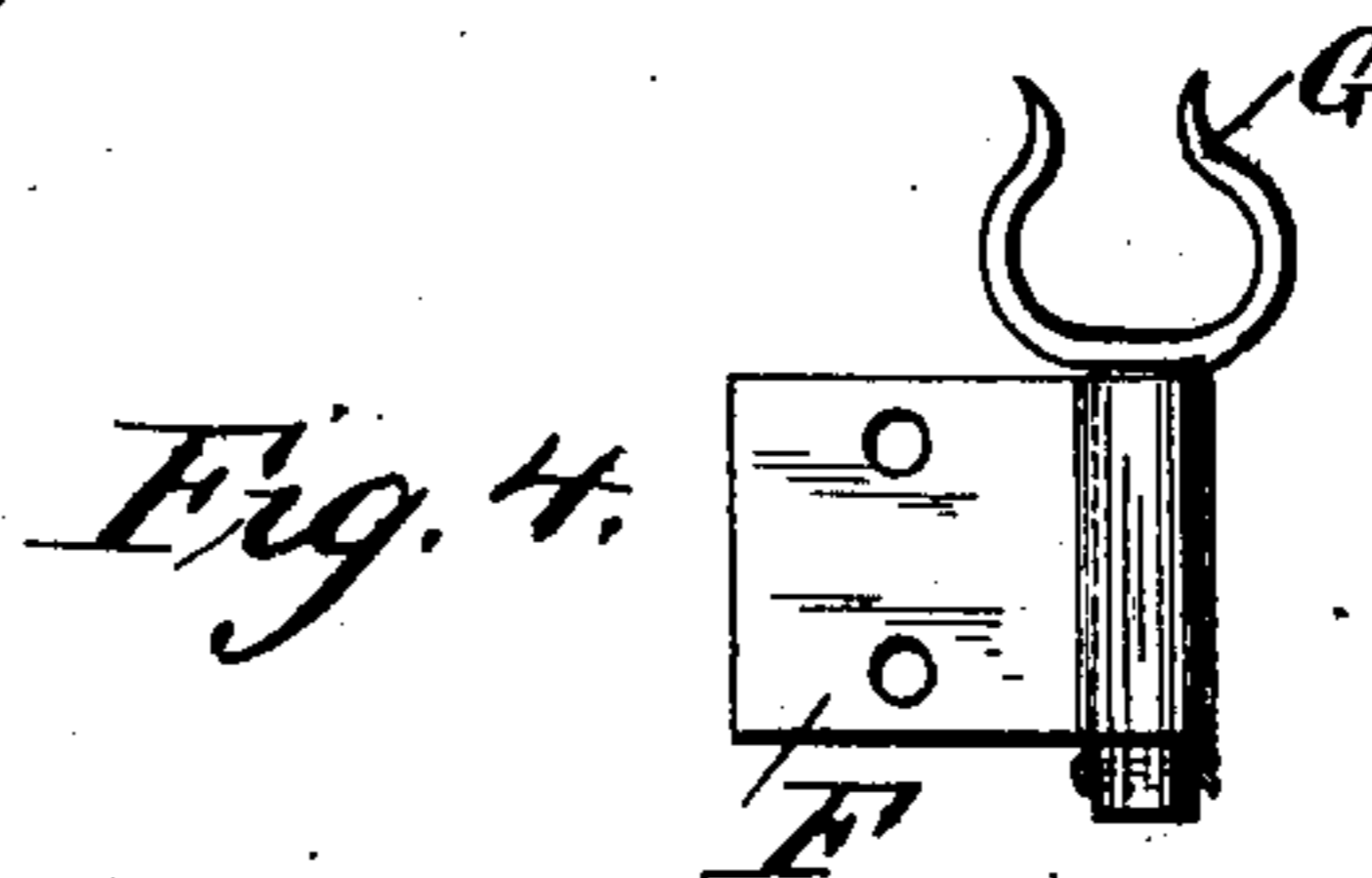
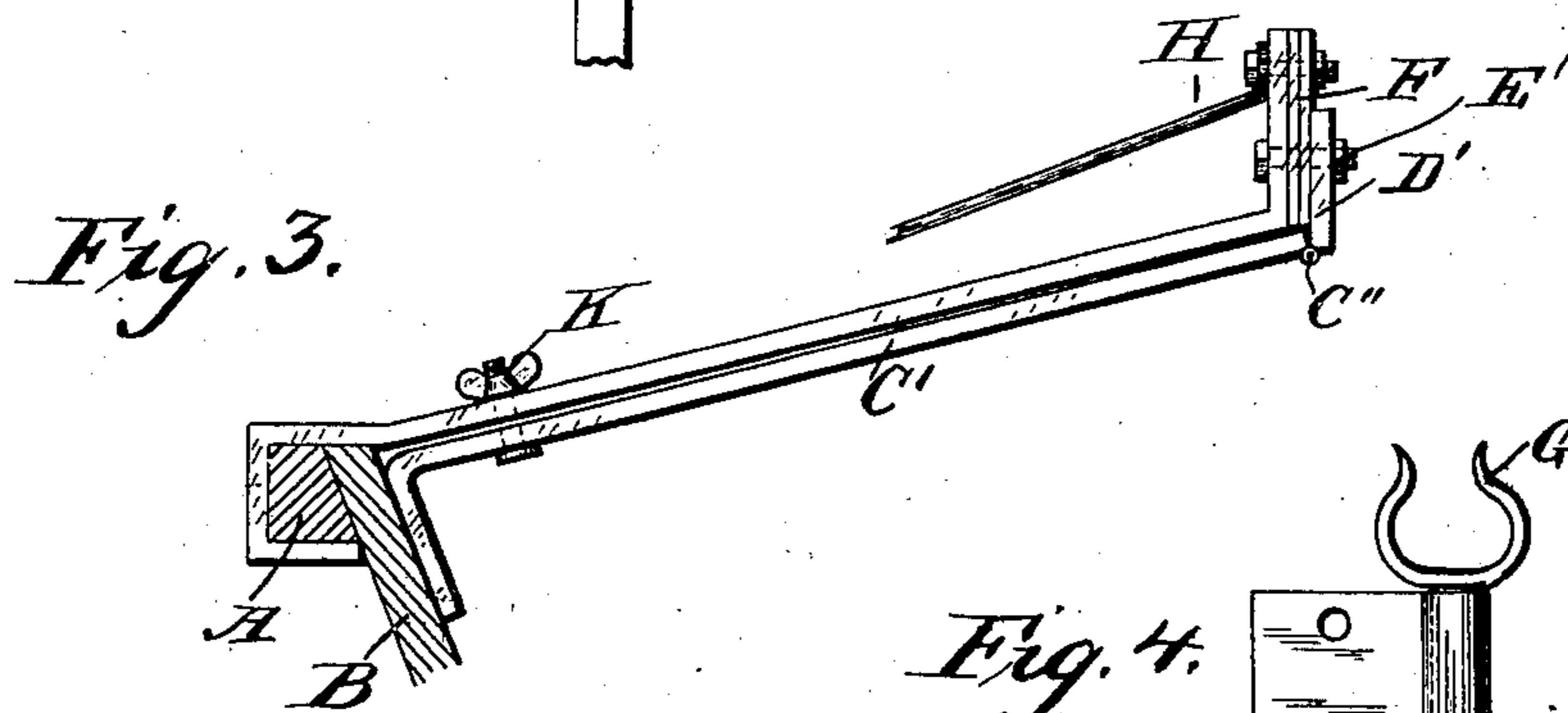
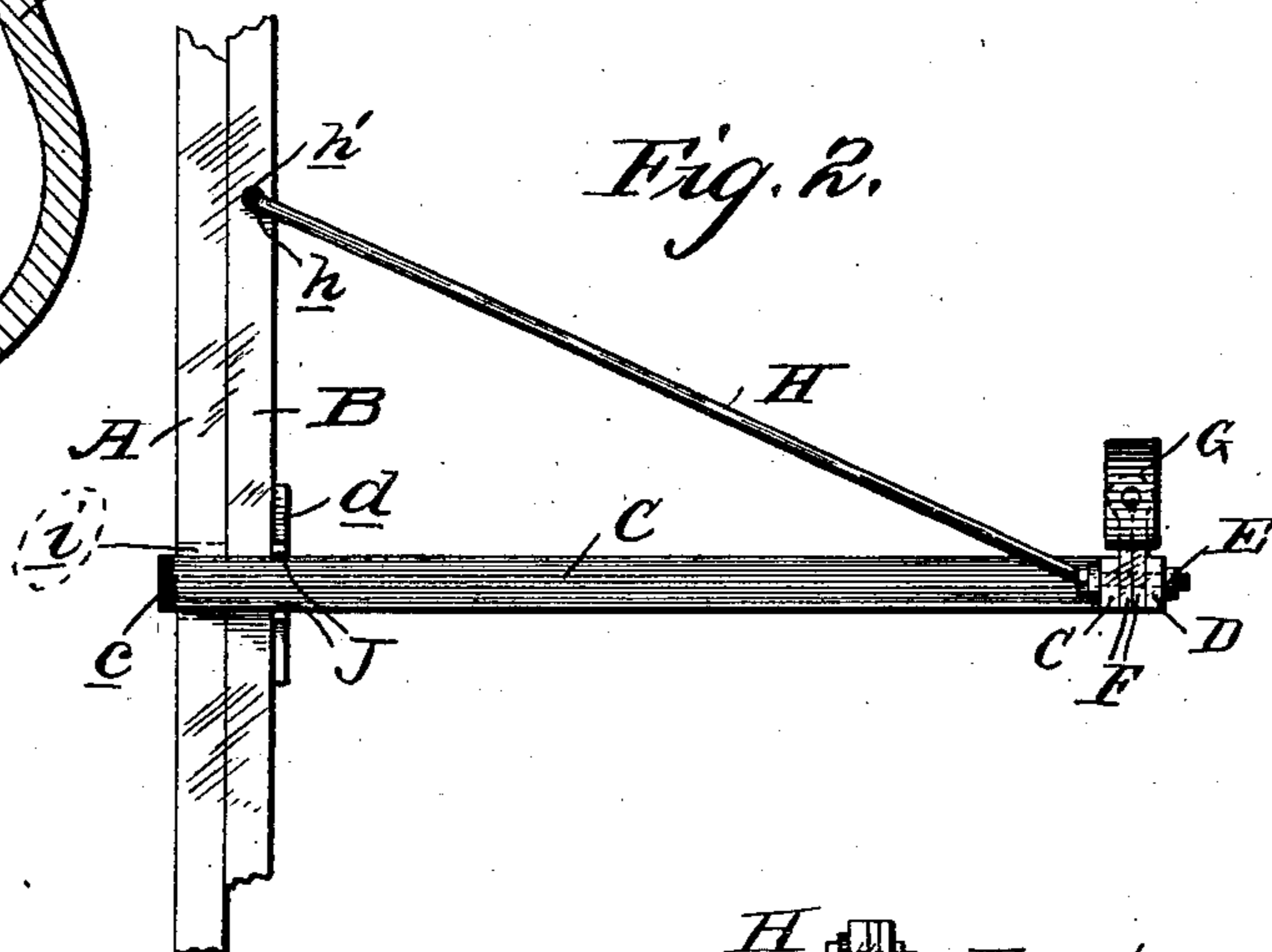
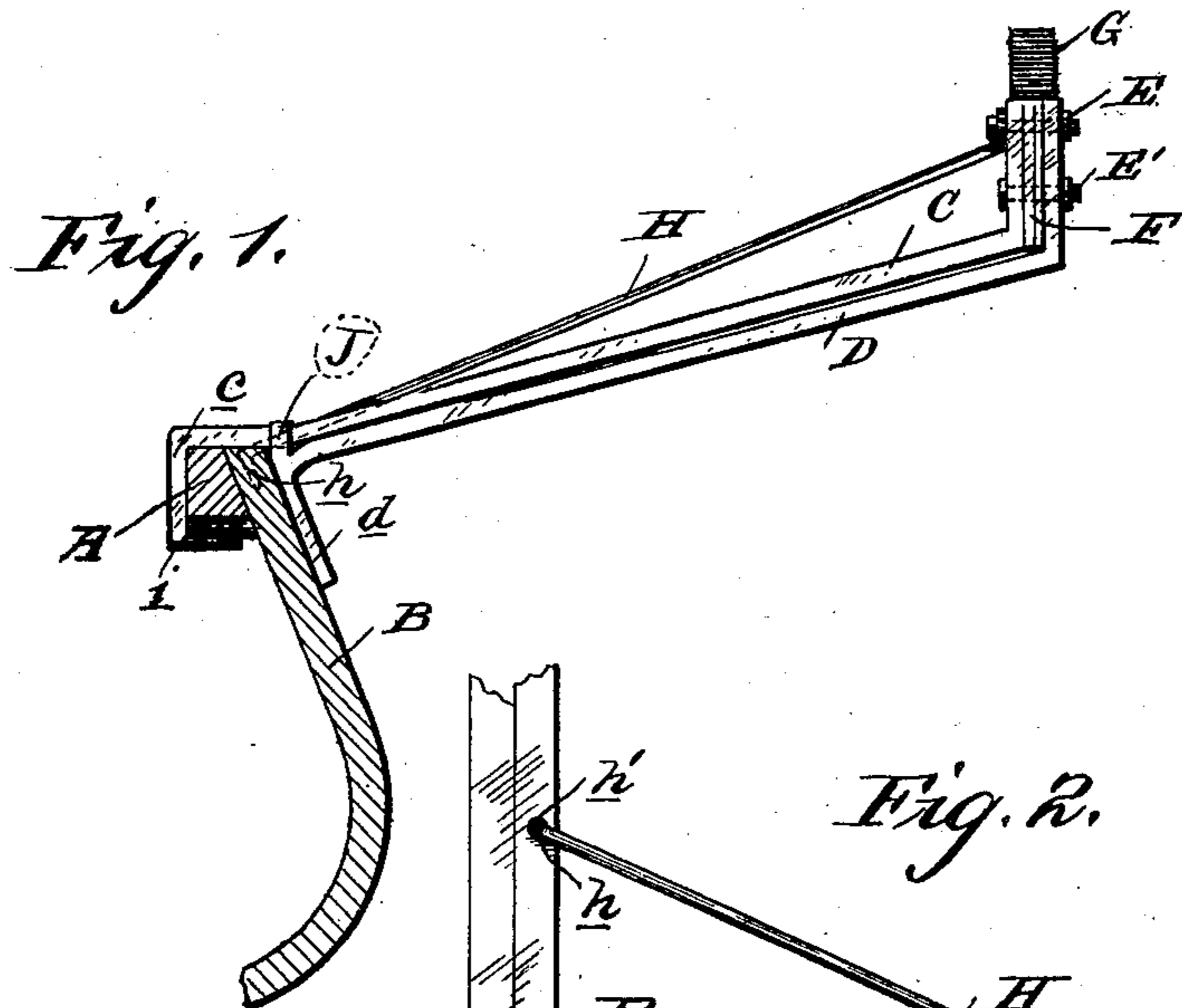
No. 677,932.

Patented July 9, 1901.

M. S. BERRY.
ROWLOCK.

(Application filed Jan. 29, 1901.)

(No Model.)



WITNESSES:

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UNITED STATES PATENT OFFICE.

MATTHEW S. BERRY, OF CHANDLER, MAINE.

ROWLOCK.

SPECIFICATION forming part of Letters Patent No. 677,932, dated July 9, 1901.

Application filed January 29, 1901. Serial No. 45,210. (No model.)

To all whom it may concern:

Be it known that I, MATTHEW S. BERRY, a citizen of the United States, residing at Chandler, in the county of Piscataquis and State of Maine; have invented certain new and useful Improvements in Rowlocks; and I do 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 appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to improvements in outriggers for rowlocks, and has for its primary object to provide an outrigger of a construction capable of being securely fastened to a canoe or other light boat without any danger of puncturing or perforating the sides or walls of the canoe or boat for the insertion of securing-screws or the like.

With such and other objects in view the invention is embodied in the novel parts, arrangement, and combinations of parts hereinafter described, and particularly set forth in the claims.

In the accompanying drawings is illustrated an outrigger embodying the invention; but it is to be understood that the improvements are not limited in their useful applications to the particular construction which for the sake of an understanding of the invention is therein shown.

In the drawings, Figure 1 is a sectional elevation through a portion of a canoe or boat, showing the outrigger in elevation. Fig. 2 is a plan view of the outrigger shown in Fig. 1. Fig. 3 is an elevation of a slightly-modified form of outrigger, and Figs. 4 and 5 are details of the outer portion of the outrigger.

Referring to the drawings, A indicates the top rail, and B the side wall, of a canoe, row-boat, or the like. The outrigger, generally speaking, comprises two members adapted to grasp and clamp between them the rail A and side wall B of a canoe or boat and a socket for the rowlock at the outer end of the outrigger. As shown in Figs. 1 and 2, the outrigger members are indicated at C and D, the upper member being provided at its inner end with a bent head or clutch portion c, adapted to embrace the top, inner side, and

under side of the rail A. The member D is secured to the member C at its outer end and at its inner end is provided with a bearing foot or portion d, which is adapted to lie against the outer face of the canoe side or wall. The members C and D, as shown, are secured together at their outer ends by suitable means—for instance, screw-bolts and nuts E E'—and between the outer upwardly-extending ends of the members C and D is clamped and rigidly held, as by the said bolts, a socket F for the rowlock. The socket, as shown, is formed of a piece bent upon itself and forming a loop and securing ends through perforations in which the screw-bolts E E' pass. The rowlock is indicated at G and, as will be seen, is provided with a cylindrical stem swiveled in the socket F, in which it is held by suitable means—as, for instance, a cotter-pin or otherwise, if desired.

H indicates a brace secured at its outer end to the outer end of the members C and D, for instance, by one of the screws E or E' passing through an eye in the brace H. The other end of the brace is provided with a hooked or bent portion h, adapted to engage in the hole h' in the upper face of the canoe-rail athwart of the canoe, or, if preferred, a screw-eye may be screwed into the inner face of the rail for engagement with the hooked end of the brace.

As will be seen, the bearing portion d of the member D is laterally extended for the purpose of increasing the bearing area of the same on the canoe-wall and lessening the liability of marring or breaking the wall. This extended bearing portion may, if necessary, be provided by riveting a flat plate to the member D. While it is not necessary, it is deemed preferable to provide a wear-plate on the under side of the canoe-rail A for the end of the outrigger member C to better hold the same in position and prevent wear on the rail. Such a plate is shown at I and, as will be seen, is provided with lugs i, adapted to engage on either side of the end portion c of the member C. The upper edge of the bearing portion of the member D is also conveniently provided with a socket or notch J, in which the upper member C is adapted to engage. This insures a better holding of the parts and a more rigid construction.

In the construction above referred to and

described the outrigger members C and D, or one of them, is conveniently of spring-steel, enabling the separation of the members in order to apply the same to the boat. It is not necessary, however, as the parts can be loosened or separated by loosening the screw-bolts E E'.

In Fig. 3 I have shown a construction similar to that represented in Figs. 1 and 2, with the exception that instead of making the members of the outrigger of spring metal rigid pieces are employed, of which C' is shown as being hinged at C'' to the other member D', and at the inner end a set-screw or thumb-nut (indicated at K) passes through the two members for the purpose of securely fastening the same together and clamping the outrigger onto the boat.

It will be understood, of course, that an additional brace-rod on the other side of the outrigger from the rod before described may, if desirable or necessary, be employed, and the same can be similarly secured to the boat and to the outer end of the outrigger members, as by engaging over the other of the bolts E E'.

From the above description it is believed that the use, operation, and advantages of the invention will be readily appreciated and fully comprehended.

Having thus described my invention, what is claimed as new, and desired to be secured by Letters Patent, is—

1. An outrigger for canoes or the like comprising two clamping members connected at their outer ends and their inner ends adapted to embrace the upper portion of the side of a canoe or the like, and firmly grip the same to securely hold the outrigger, substantially as described.

2. An outrigger for canoes or the like comprising two members connected at their outer ends and their inner ends adapted to embrace

the upper portion of the side rail of a canoe or the like, means for clamping the inner ends of the members onto the canoe or the like, and a brace from the outer end of the outrigger to the canoe or the like, substantially as described.

3. An outrigger for canoes or the like comprising two clamping members, one having a bent portion adapted to engage the top rail of a canoe or the like, the other member having a bearing portion adapted to engage the outer face of the side of the canoe or the like, said members having engaging parts adapted to hold the same in clamped position and a brace secured to the outer end of said outrigger and to the canoe or the like, substantially as described.

4. An outrigger for canoes or the like comprising a member having at its inner end a bent portion adapted to embrace the top rail of a canoe or the like, a second member substantially parallel with and beneath the other member having at its inner end a bearing portion adapted to bear upon the outer face of the said side of the canoe or the like, a row-lock-socket secured between the outer ends of the said members and a brace secured at its outer end to the outer end of the outrigger and at its inner end to the canoe or the like, substantially as described.

5. An outrigger for canoes or the like comprising two clamping members adapted to embrace the upper portion of the side of a canoe or the like, one of said members having portions embracing the other member for holding the same in fixed position, substantially as described.

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

MATTHEW S. BERRY.

Witnesses:

WM. W. WALTON,
C. H. BARRETT.