

G. WILLIAMS.
Rowlock.

No. 220,104.

Patented Sept. 30, 1879.

Fig 1.

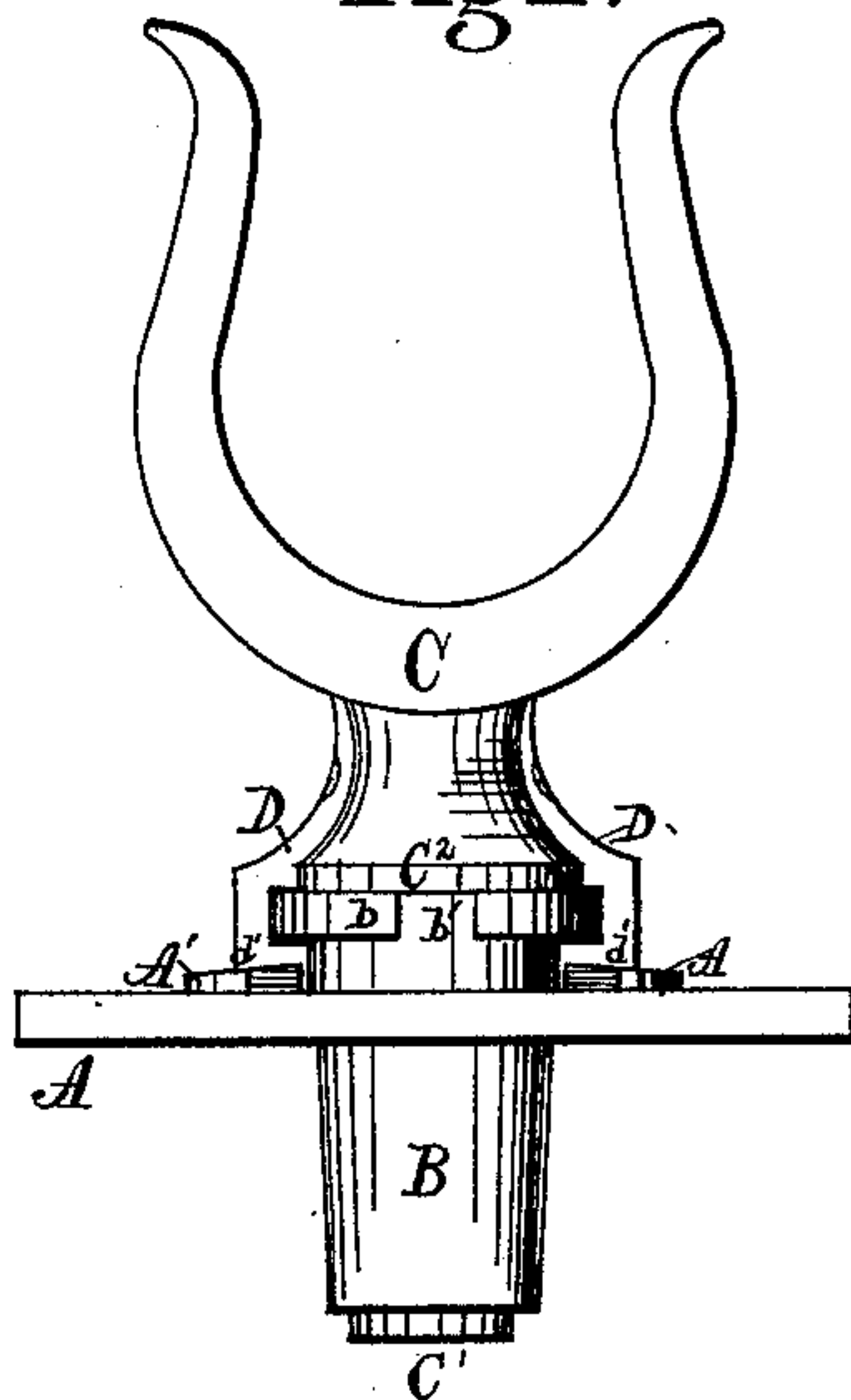


Fig. 2.

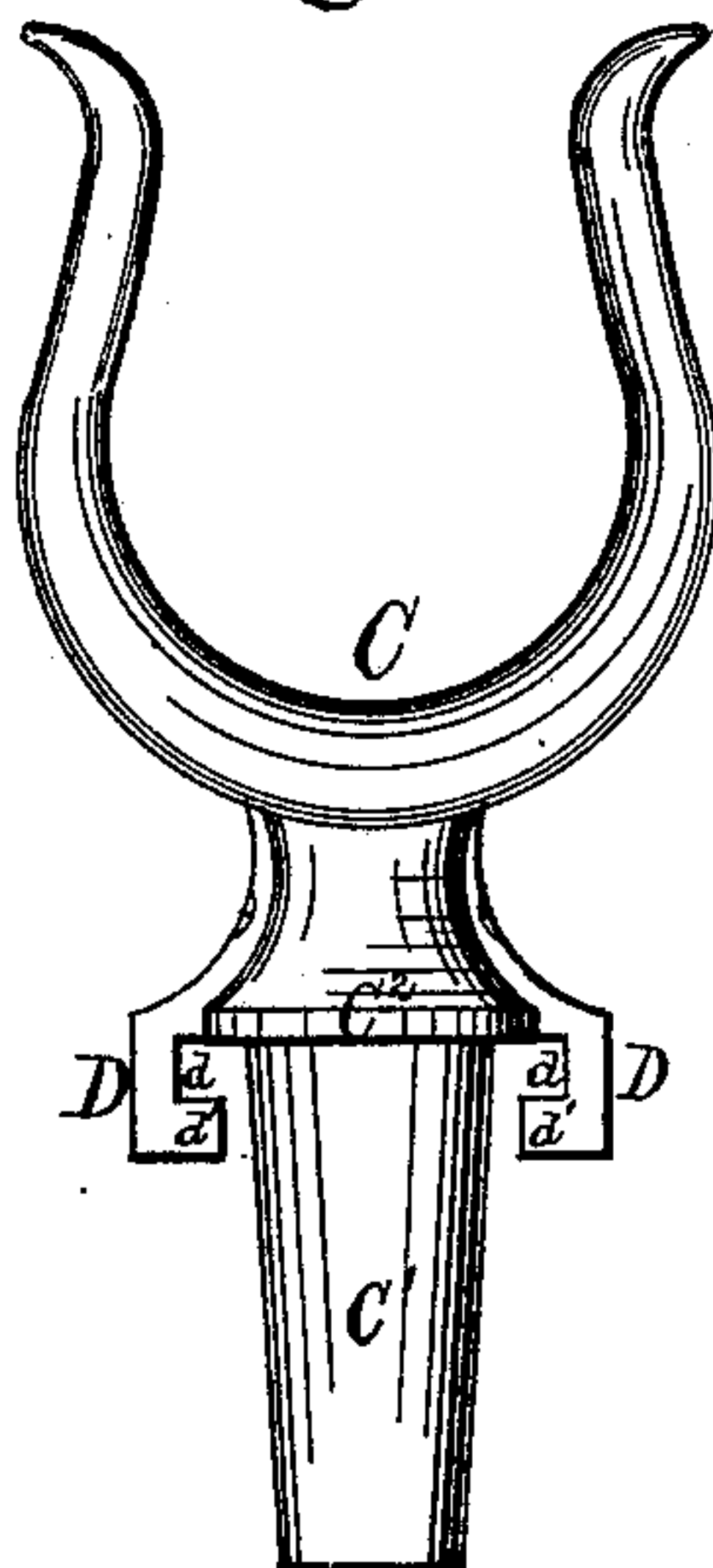
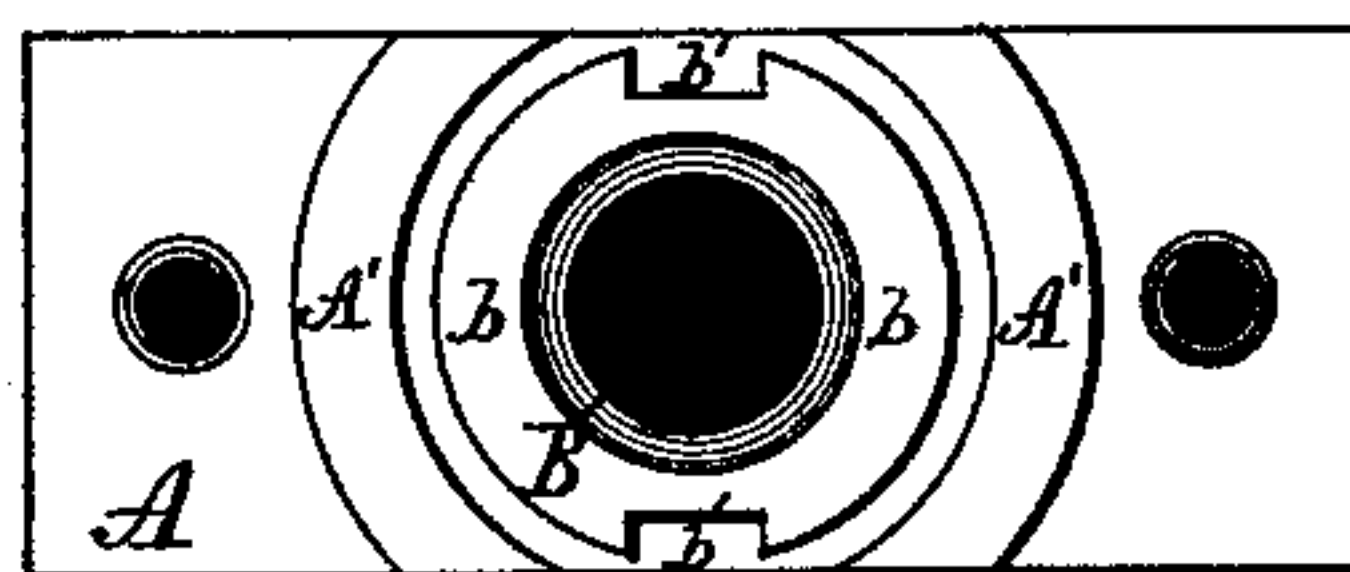


Fig. 3.



Witnesses:
Frank M. Burnham.
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by
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UNITED STATES PATENT OFFICE

GEORGE WILLIAMS, OF MYSTIC RIVER, ASSIGNOR OF ONE-HALF HIS
RIGHT TO W. B. MANWARING, OF NEW LONDON, CONNECTICUT.

IMPROVEMENT IN ROWLOCKS.

Specification forming part of Letters Patent No. **220,101**, dated September 30, 1879; application filed
March 13, 1879.

To all whom it may concern:

Be it known that I, GEORGE WILLIAMS, of Mystic River, in the county of New London and State of Connecticut, have invented certain new and useful Improvements in Rowlocks for Boats; and I do hereby declare that the following is a full, clear, and exact description of the invention, which 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 letters of reference marked thereon, which form a part of this specification.

This invention relates to oar-locks or rowlocks which are made detachable by turning and lifting; and it consists in the construction, combination, and arrangement of the parts constituting the same, as hereinafter particularly set forth, and pointed out in the appended claims.

In the accompanying drawings, Figure 1 represents a front elevation of my improved rowlock with its attaching-plate and socket. Fig. 2 represents the rowlock detached, and Fig. 3 represents a detail view of the socket and attaching-plate.

In said drawings, A designates a flat plate, to be attached to the boat in any convenient manner, and having a central tubular socket, B, which tapers downward and extends slightly above and considerably below said plate. The upper end of said tapering socket B is provided with an annular external flange, *b*, having recesses *b'*.

The surface of plate A is provided with two curved flanges or ridges, A' A', forming parts of a circle concentric with that of socket B, or having the axis of said socket as its central point.

C designates an oar-lock or rowlock of the ordinary U-shaped form, having a downwardly-tapering shank, C¹, above which is a shoulder, C².

D designates two catches or hooks, secured to the said rowlock on opposite sides thereof, and recessed on the inside at *d*, so as to receive the flange *b* of socket B in said recesses, and to allow said rowlock to be turned. The lower ends of said catches are extended inward at *d'*, below recess *d*, so as to catch under flange *b*. The recesses *b'* in said flange correspond in number and relative position to said catches D.

To attach said rowlock, the same must be held so that its catches D are immediately over said recesses *b'* in flange *b*. Tapering shank C¹ is then pressed down into socket B until catches D pass through recesses *b'* and come in contact with plate A. Rowlock C is then turned into the proper position for rowing. This movement brings the inwardly-extending part *d'* of each catch D under the flange *b*, and between tubular socket B and outer flanges or ridges, A' A', on plate A. When said rowlock is in this position it is firmly braced against either vertical or lateral movement by the joint action of catches D, shoulder C², flange *b*, and ridges A'.

Socket B forms an inner brace for catches D, and a very effective outer brace for stem C¹, enabling the latter to withstand great strain.

I have shown two catches, D, and two recesses, *b'*; but it is obvious that only one of each may be employed; also, more than two of each may be employed.

The fastening-plate A may be broadened and a single raised circle substituted for the ridges A' A'.

The stem C¹ and socket B may be made angular in cross-section instead of circular. The taper of said parts may be dispensed with; but such change would be disadvantageous, as the two must fit closely, and their tapering form insures such fitting as well as an easy entrance.

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

1. The combination, with recessed catches D, attached to rowlock C, of fixed flange *b*, arranged to enter the recesses of said catches, and fixed exterior flanges, A', which bear against the outside of said catches, whereby said rowlock is held immovably, substantially as set forth.

2. The combination, with socket B, having exterior recessed flange, *b*, on its upper rim, of shank C¹, catches D, embracing said flange *b*, and outer flanges, A', substantially as set forth.

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

Witnesses: GEORGE WILLIAMS.
BENJ. STARK,
C. W. BUTLER.