(No Model.)

G. W. PALMER.

ROWLOCK.

No. 345,919. Patented July 20, 1886.

Fig. 1.

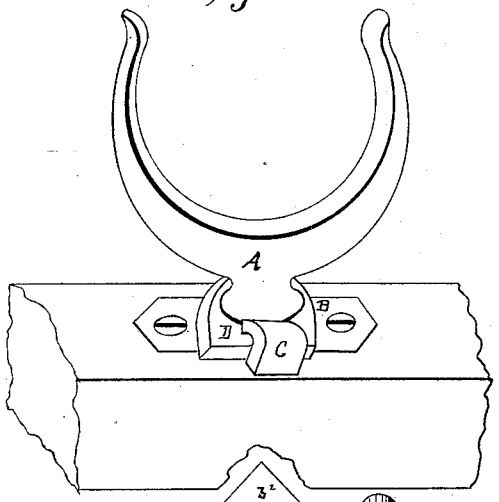


Fig. 2.

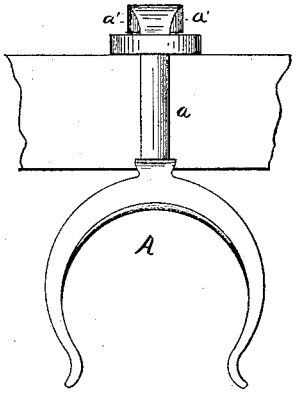


Fig. 4.

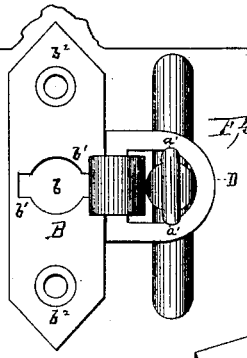


Fig. 3.

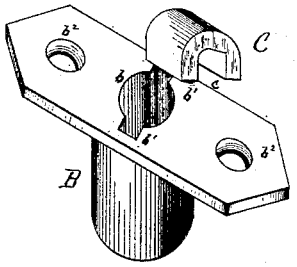
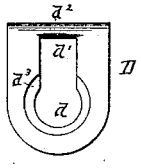


Fig. 5.



Witnesses:
T. H. Holden.
M. F. Hallock

Inventor
George W. Palmer,
per Geo. P. Byington,
atty.

UNITED STATES PATENT OFFICE.

GEORGE W. PALMER, OF SOUTH NORWALK, CONNECTICUT, ASSIGNOR OF ONE-HALF TO CHARLES B. WATKINS, OF SAME PLACE.

ROWLOCK.

SPECIFICATION forming part of Letters Patent No. 345,919, dated July 20, 1886.

Application filed December 21, 1885. Serial No. 186,262. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. PALMER, a citizen of the United States, residing at South Norwalk, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Rowlocks; 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 appertains to make and use the same.

This invention relates to hinged and detachable rowlocks.

The object of my invention is to construct a rowlock that can be readily attached to the gunwale of a boat, and while in position will be locked in place and cannot be pulled out, and when not in use can be raised from the socket and turned down inside of the boat, out of the way, and at the same time cannot be removed from the boat; and it consists of constructions and combinations, as will be hereinafter described in the specification and pointed out in the claims, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view of the rowlock fastened to a boat. Fig. 2 is a front elevation representing the rowlock as turned down inside of the boat. Fig. 3 is a perspective view of the socket. Fig. 4 is a top view of the socket, and Fig. 5 is a top view of the link.

A is the rowlock proper, and *a* the spindle of the same which has formed on its lower end two studs or projections, *a' a'*.

B is the socket, having a vertical truncated-cone-shaped opening, *b*, provided with lateral recesses *b'*, which serve as guides for the studs *a' a'* on the spindle, and at each end are holes b^2 b^2, for screws, bolts, or rivets to fasten the socket to the gunwale of the boat. When in position, the face of the socket is flush with the gunwale.

On the upper side of the socket B is a hook-shaped projection, C, formed integral with the socket, the free end of which rests upon the gunwale, forming with the latter an eye, *c*, to receive the link D. This link is provided with a key-shaped opening, *d d'*, the part *d* for the spindle and the part *d'* for the projection C, which embraces the bar d^2, and together form a hinge for the link.

In the upper side of the link D is formed a recess, d^3, to receive the collar a^2 of the spindle *a* when the rowlock is in position.

To operate my invention, pass the spindle through the opening in the link, place the link under the projection on the socket, and fasten the socket to the boat. Then raise the rowlock and turn until the projections on the spindle are in line with the lateral recesses in the socket, when the spindle will fall into place, and by revolving the rowlock proper until in line with the gunwale it is locked in position. To detach and turn down inside of the boat, revolve the rowlock until the projections on the spindle are in line with the openings in the socket, when it can be raised.

The rowlock can be attached directly to the gunwale of the boat, or to a block fastened thereon.

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

1. In a hinged and detachable rowlock, the socket having a vertical opening provided with lateral recesses, and a hook-shaped projection formed integral with the socket, substantially as set forth.

2. The combination of the rowlock A and its spindle *a*, having projections *a' a'*, the socket B, having vertical opening *b*, provided with lateral recesses *b'*, hook-shaped projection C, and link D, having a key-shaped opening, *d d'*, the part *d* for the spindle and the part *d'* for the projection, which embraces the bar d^2 and connects the rowlock with the projection, substantially as shown and described.

3. The combination of the gunwale, the rowlock A and its spindle *a*, having projections *a' a'*, the link D, and the socket B, having vertical opening *b*, provided with lateral recesses *b'*, and a hook-shaped projection, C, forming with the gunwale an eye, *c*, to receive the said link D, substantially as shown and described.

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

GEORGE W. PALMER.

Witnesses:
FRANK N. FERRIS,
CURTIS B. SMITH.