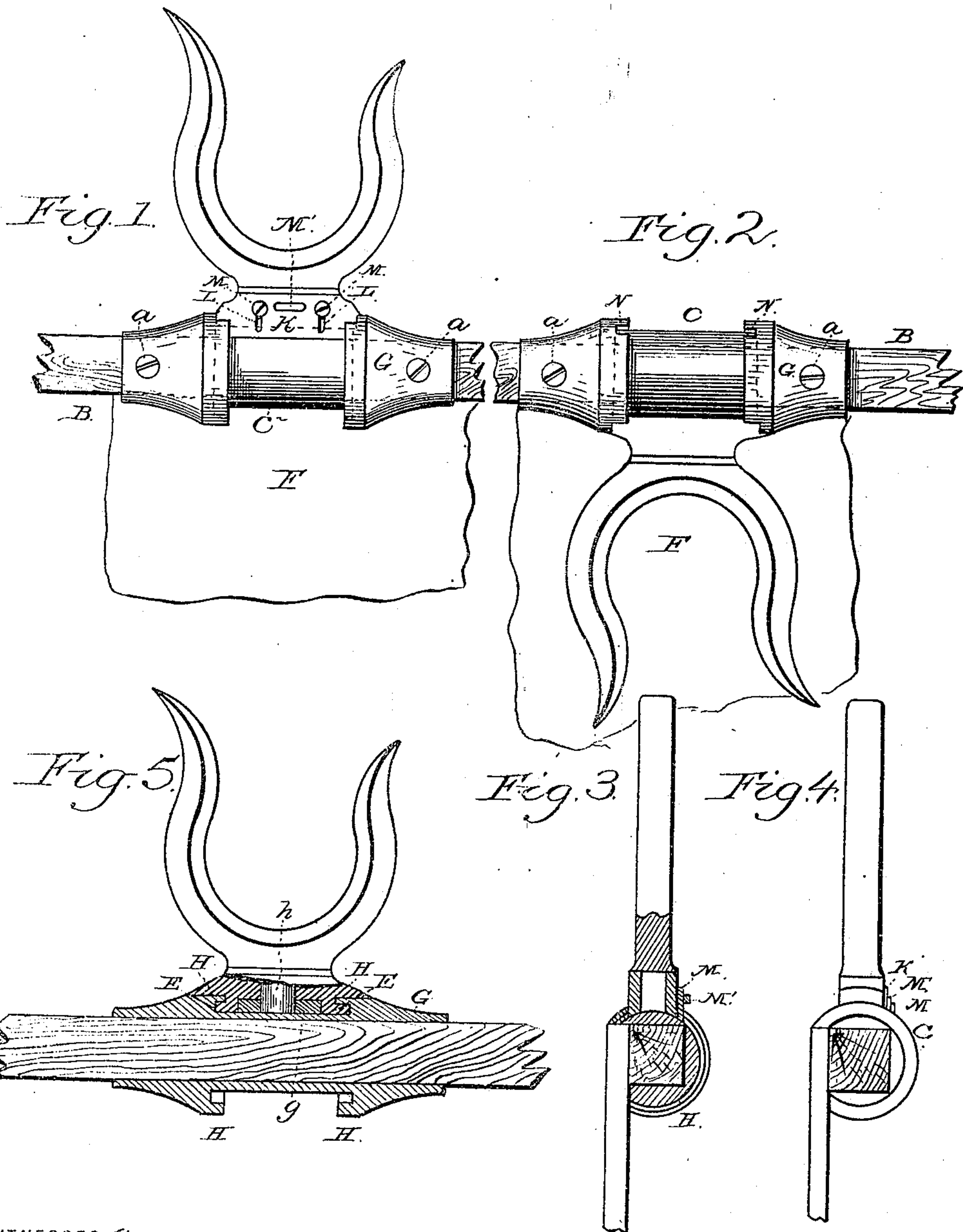


(Model.)

C. W. MORRIS.
ROWLOCK FOR BOATS.

No. 306,941.

Patented Oct. 21, 1884.



WITNESSES

J. M. Reynolds.
Ed. York.

INVE'

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ATTORNEY

UNITED STATES PATENT OFFICE.

CHARLES WRIGHT MORRIS, OF LOWESTOFT, COUNTY OF SUFFOLK, ENGLAND.

ROWLOCK FOR BOATS.

SPECIFICATION forming part of Letters Patent No. 306,941, dated October 21, 1884.

Application filed December 5, 1883. (Model.) Patented in England December 7, 1882, No. 5,846.

To all whom it may concern:

Be it known that I, CHARLES WRIGHT MORRIS, a citizen of Great Britain, residing at Lowestoft, in the county of Suffolk, England, have invented new and useful Improvements in Rowlocks for Boats, (for which I have received Letters Patent in England, No. 5,846, dated December 7, 1882,) of which the following is a specification.

My invention has for its object to provide convenient and simple arrangements of rowlocks, which, while being held firmly in place during use, are readily turned out of position, so as not to be in the way when not in use.

My invention is illustrated in the accompanying drawings, in which Figure 1 is an elevation of my invention, showing the rowlock in position for use. Fig. 2 is a like view showing the rowlock in its position when out of use. Fig. 3 is a transverse cross-section upon the line *x x*, Fig. 1. Fig. 4 is a side elevation, and Fig. 5 is a front elevation and partial longitudinal central section.

Referring to the several figures, wherein like letters indicate like parts, F represents the side of a boat, and B its gunwale, to which is rigidly attached, by screws *a* or otherwise, the rowlock bracket and supporter G. The piece G is solid and of circular cross-section, except where it is internally recessed, as shown in Figs. 3 and 4, so as to fit over and under the gunwale B. The piece G is also provided with an external circular groove, C, having outer overlapping side flanges, H H, forming an undercut groove, within which play the flanges E, formed on the base of the rowlock A. Attached to the outer side of the said base is a vertically-adjustable holding-plate, K, slotted at L L, and having therein the retaining pins or screws M M. The said plate has also a lifting-lug, M'. This construction enables the plate, which is of the same width as the groove C, to be slipped into notches N N, made in the upper part of the flanges H H. The rowlock is thereby held firmly in position during the operation of rowing.

When it is desired to revolve the rowlock so that it shall occupy a position parallel with

the side of the boat and beneath the gunwale, the plate M is raised from the recesses N N, thereby permitting the rowlock to revolve until it assumes the position shown in Fig. 2.

Instead of the plate K, any other suitable means may be employed for locking the rowlock in its upright position, such as bolts, bars, locks, springs, hooks, catches, and stops. The horns or crutch of the rowlock is secured to the base by the pin *h* and turn-plate *g*, to allow the said horns or crutch to swivel on the said base.

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

1. The combination, with the bracket G, provided with the circular supporting-surface C, of the rowlock having a similarly-curved basal extension fitting over and adapted to revolve upon said surface, substantially as described.

2. The combination, with supporting-bracket G, provided with the circular depressed portion or groove C', and overlapping flanges H, of the rowlock having a similarly-curved basal extension fitting in said groove, and provided with flanges E E, whereby the said rowlock is adapted to slide within said groove, substantially as described.

3. The combination of the supporting-bracket G, provided with the circular depressed portion or groove C', and overlapping notched flanges H, the rowlock having a similarly-curved basal extension fitting in said grooves, and the vertically-adjustable locking-plate K, whereby the said rowlock is adapted to slide within said groove and be fastened in its upright position, substantially as described.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

CHARLES WRIGHT MORRIS.

Witnesses:

WM. SPAULL,
Bury House, Lowestoft.

W. S. FASSETT,
Plowman Villa, Lowestoft.