(No Model.)

C. W. MORRIS.

ROWLOCK.

No. 283,640. Patented Aug. 21, 1883.

Fig. 1.

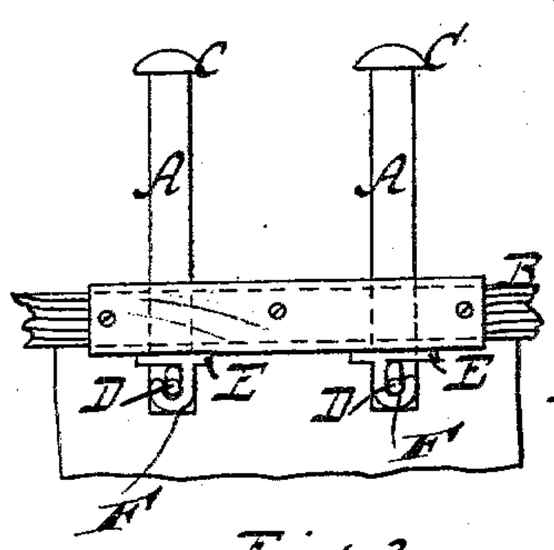


Fig. 2.

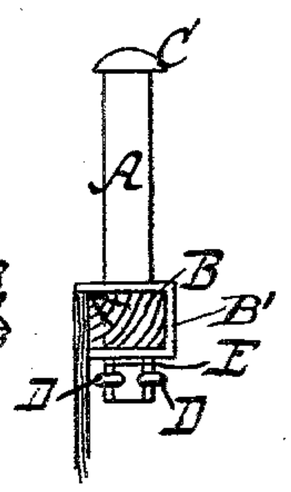


Fig. 3.

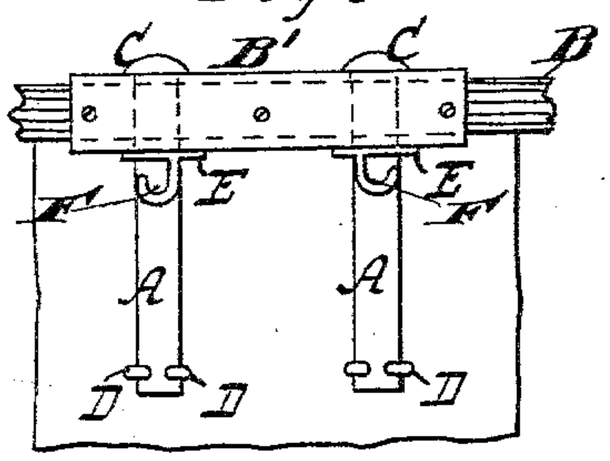
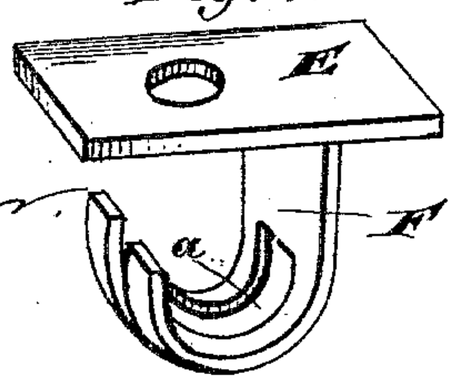


Fig. 4.



WITNESSES:

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UNITED STATES PATENT OFFICE.

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

ROWLOCK.

SPECIFICATION forming part of Letters Patent No. 283,640, dated August 21, 1883.

Application filed June 21, 1883. (No 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.

This invention relates to improvements in rowlocks, and has for its object to provide simple and effective means whereby the thole-pins can be held in position for use and be lowered through the gunwale to present no material obstruction and be out of the way when not required for use.

The object of my invention I accomplish by the novel construction and arrangement of parts, hereinafter described and claimed, and illustrated in the accompanying drawings, in which—

Figure 1 is a broken view of the gunwale of a boat, showing my invention applied thereto, with the thole-pins elevated and in position for use; Fig. 2, a similar view, with the thole-pins lowered through the gunwale, to be out of the way when not required for use; Fig. 3, a transverse vertical sectional view of Fig. 1, and Fig. 4 an enlarged detail view.

In carrying out my invention, I provide the gunwale B with a metallic plate, B′, which embraces the same, as seen in Fig. 2, said plate and gunwale being provided with two orifices, in which the thole-pins A can rise and fall and be rotated axially. The upper end of each thole-pin is provided with a head, C, rounded on its upper side and flat on its under side, the flat surface being adapted to rest upon the upper side of the metal plate to prevent the thole-pins from passing downward entirely through the gunwale, while the rounded form of the head presents a uniformly curved surface, so that when the thole-pins are in their lowered position the heads present no appreciable projection, and nothing is liable to catch with said heads. To the under side of the metal plate, and in line with the orifices therein and in the gunwale, are secured two plates, E, one for each thole-pin, the said plates being each constructed with a depending hook-shaped arm, F, and the lower end of each thole-pin is provided with a laterally-projecting rib or lug, D, in the form of a cross-pin, in such manner that the thole-pins can be raised until the ribs or lugs D come in contact with the under side of the plates E, when the thole-pins can be axially rotated to cause the ribs or lugs to enter and engage with the hook-shaped arms F, thus maintaining the thole-pins elevated and in position for use. If it be desired to lower the thole-pins, they are lifted and partially revolved axially to disengage the ribs or lugs D from the hook-shaped arms, when the pins can drop by gravity, their descent being limited by the heads C coming in contact with the plate B′. It will of course be understood that the depending arms F are provided with central slots, *a*, Fig. 4, so that the ribs or lugs can pass into and from the said arms.

Having thus described my invention, what I claim is—

1. The combination of the plates E, having depending hook-shaped arms F, with the vertically-sliding thole-pins A, having their lower ends each provided with a lateral rib or lug, D, said pins being adapted to rotate for engaging and disengaging the ribs or lugs and the depending hook-shaped arms, substantially as described.

2. The combination, with the gunwale, of the plates E, connected with the under sides of the gunwale, and each provided with a depending hook-shaped arm, F, and the thole-pins A, each provided at its upper end with a head, C, and at its lower end with a lateral rib or lug, said thole-pins being adapted to slide vertically through the gunwale, and to rotate therein to engage and disengage the ribs or lugs and the hook-shaped arms, substantially as described.

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

CHARLES WRIGHT MORRIS.

Witnesses:

HERBERT HUNT,

GEO. CHASTON,

Both of Lowestoft.