

J. C. & F. W. Flagg.

Oar Lock.

Nº 49,395.

Patented Aug. 15, 1865.

Fig. 1.

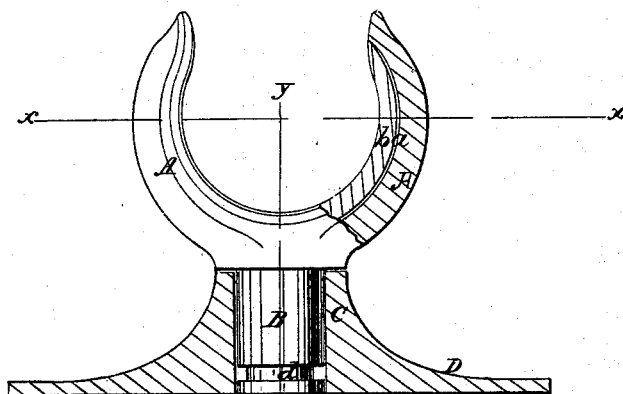


Fig. 2.

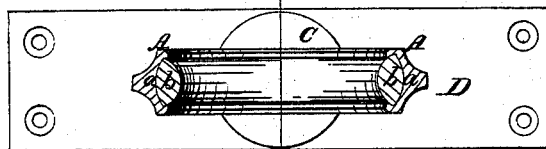
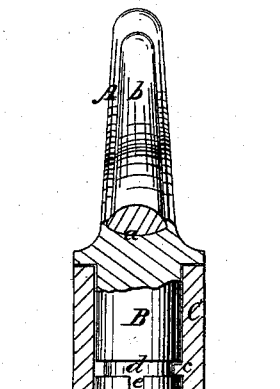


Fig. 3.



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per

Marshall
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UNITED STATES PATENT OFFICE.

REISSUED

IRA C. FLAGG AND F. W. FLAGG, OF MIDDLETOWN, CONNECTICUT.

IMPROVED ROWLOCK.

Specification forming part of Letters Patent No. 49,395, dated August 15, 1865.

To all whom it may concern:

Be it known that we, IRA C. FLAGG and F. W. FLAGG, of Middletown, in the county of Middlesex and State of Connecticut, have invented a new and Improved Rowlock; and we do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 represents a sectional front elevation of this invention. Fig. 2 is a horizontal section of the same, the line *x x*, Fig. 1, indicating the plane of section. Fig. 3 is a transverse vertical section of the same, the plane of section being indicated by the line *y y*, Fig. 1.

Similar letters of reference indicate like parts.

This invention relates to a rowlock which will work without noise and without perceptible wear on the oar, which accommodates itself to the different positions of the oar, and which can be readily taken off from the boat and carried home to prevent it from being stolen. In order to effect these purposes the horns are cast or otherwise made with a dovetailed cavity, which is intended to receive a mat of leather, or other suitable material, in such a manner that by the pressure of the oar on the mat the latter is forced into the dovetailed cavity and prevented from working loose, and a durable rowlock is obtained, which works without noise and without perceptible wear on the oar. The horns are provided with a stem which fits into a socket in a plate that is secured to the gunwale of the boat. Said stem is provided with a circular groove, from which extends a slot clear to the end of the stem, and a pin projects from the inner surface of the socket. When this pin is made to enter the circular groove through the slot the horns are securely retained in the socket, and they accommodate themselves readily to the various positions of the oar, allowing the same to "trail," and, if desired, said horns can be removed at any moment.

A A represent the horns of our rowlock, which are cast or otherwise made with a dovetailed groove, *a*, to receive the mat *b*, of leather or other suitable soft material. This mat is forced into the dovetailed groove, and the pressure of the oar itself holds the same down and causes it to fill the groove, so that it cannot come out spontaneously. Without the dovetailed groove the mat cannot be secured so that it will stay for any length of time.

The horns are provided with a cylindrical stem, B, which fits into a socket, C, that rises from a plate or bracket, D, as clearly shown in the drawings. This plate is firmly screwed down to the edge of the gunwale, and the gunwale is not weakened. From the inner surface of the socket projects a pin, *c*, and the stem B is provided with a circular groove, *d*, and with a slot, *e*, which extends from said groove to the end of the stem, as shown in Fig. 3. Through this slot the pin *c* can be made to enter the groove *d*, and by turning the horns parallel with the keel of the boat they are securely held and prevented from coming off spontaneously. The horns can thus be turned freely in either direction without danger that they come out until the pin *c* comes opposite the slot *e*. They can be easily turned far enough to allow the oar to trail or to come parallel, or nearly so, with the keel of the boat, and whenever it may be desirable the horns can be readily removed.

We do not claim the application of a leather mat to the horns of a rowlock, such having been previously used; but

We claim as new and desire to secure by Letters Patent—

The circular groove *d* and slot *e* in the stem of the horns, in combination with the pin *c* and socket C, constructed and operating substantially as and for the purpose described.

The above specification of our invention signed by us this 8th day of June, 1865.

IRA C. FLAGG.

F. W. FLAGG.

Witnesses:

M. M. LIVINGSTON,
WM. F. McNAMARA.