

(No Model.)

3 Sheets—Sheet 1.

J. A. BAILEY.
OAR LOCK.

No. 421,806.

Patented Feb. 18, 1890.

Fig. 1.

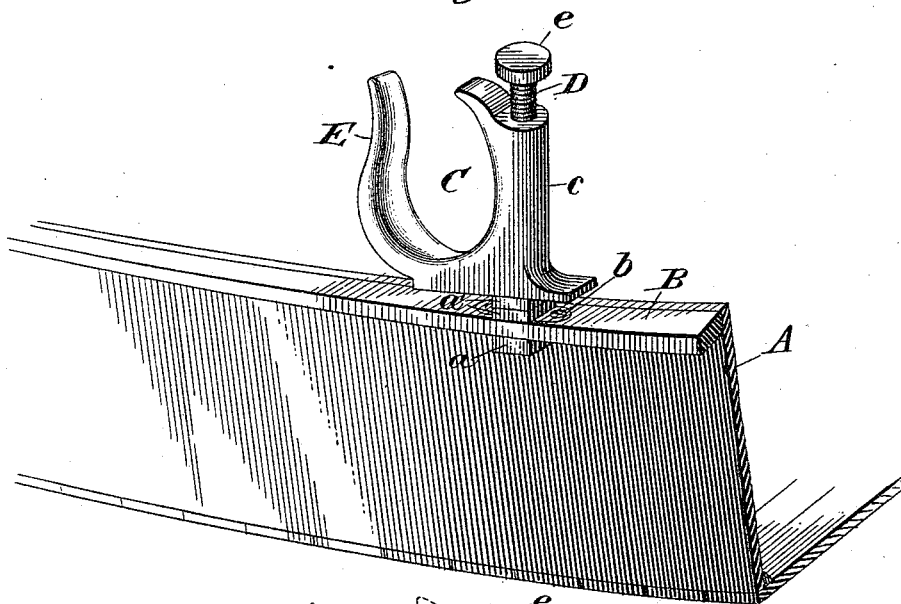
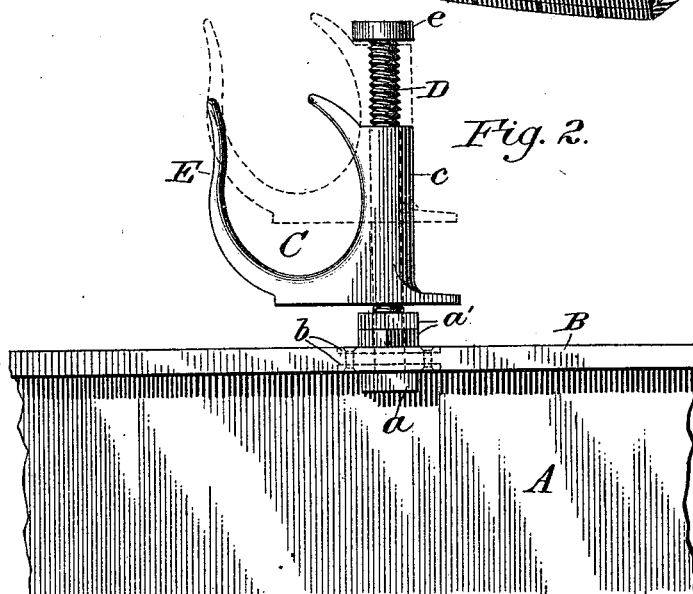


Fig. 2.



Witnesses:

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Fig. 3

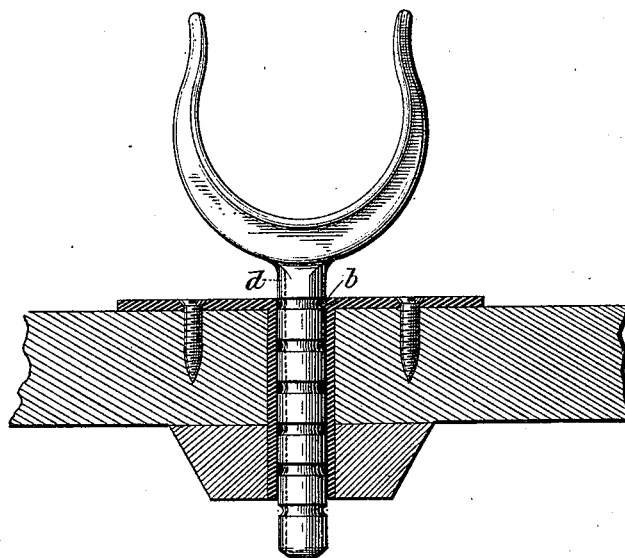


Fig. 4.

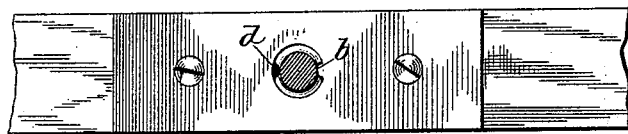
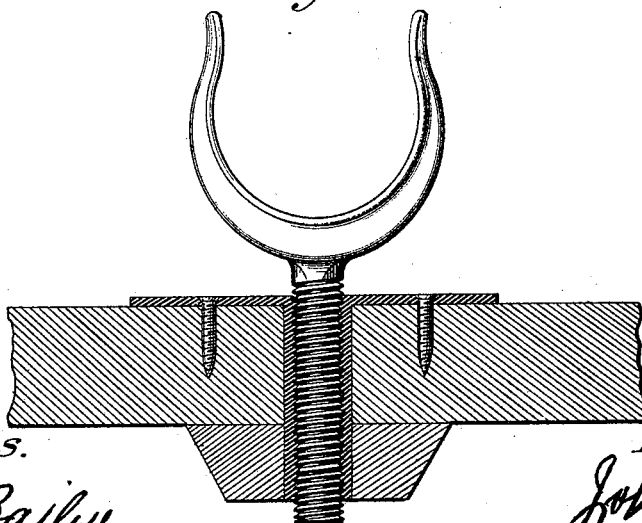


Fig. 5.



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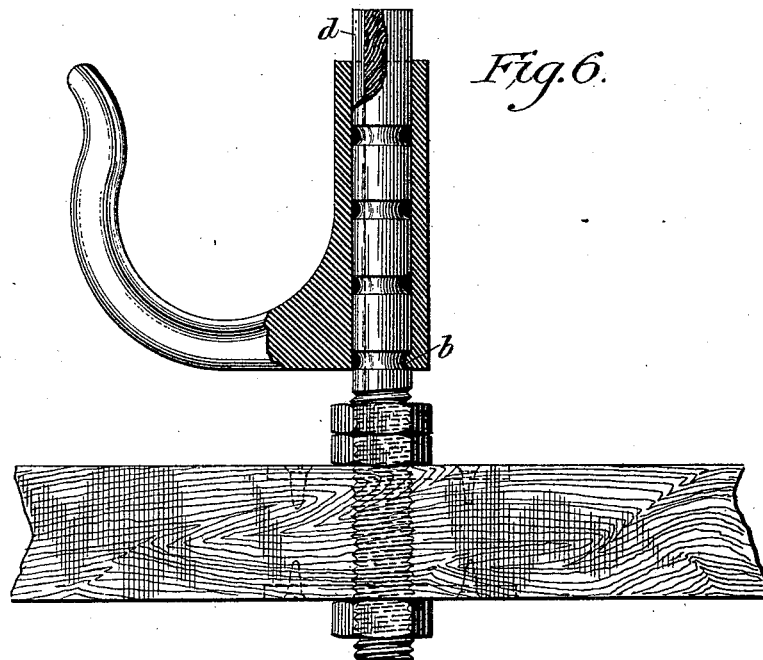
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Witnesses.

Wm. T. Bailey
John Glasgow

Inventor.
John A. Bailey

UNITED STATES PATENT OFFICE.

JOHN A. BAILEY, OF WASHINGTON, DISTRICT OF COLUMBIA.

OAR-LOCK.

SPECIFICATION forming part of Letters Patent No. 421,806, dated February 18, 1890.

Application filed October 29, 1889. Serial No. 328,518. (No model.)

To all whom it may concern:

Be it known that I, JOHN A. BAILEY, a citizen of the United States, residing at Washington, District of Columbia, have invented a new and useful Improvement in Oar-Locks, of which the following is a specification, reference being had to the accompanying drawings, which form a part of the same.

The object of my invention is to provide an oar-lock which may be adjusted to any desired elevation, so as to conform to the height of the knees of the oarsman and thereby relieve him from any liability to be interfered with by the handle of the oar.

A further object is to provide an oar-lock which is simple in construction, and therefore consisting of but few parts, and one that is readily attachable and detachable to and from the gunwale of the boat, all of which will be hereinafter more fully described, and set forth in the claims.

Referring to the drawings, Figure 1 is a perspective view showing my improved oar-lock attached to the gunwale of a boat. Fig. 2 is an elevation of the same, the broken line indicating a part of the height to which the oar-lock may be elevated. Fig. 3 is a modification of my improved oar-lock, showing a thole-piece of the usual construction and having a pintle provided with a series of circumferential grooves throughout its length. Fig. 4 is a plan view of the escutcheon, showing a lip for engaging the grooves on the pintle shown in Fig. 3. Fig. 5 shows the screw-threaded pintle having a thole-piece of the usual construction thereon and a correspondingly screw-threaded socket for retaining the pintle. Fig. 6 shows another modification of my oar-lock in which the circumferential grooves are substituted for the screw-threads shown in Fig. 1.

In the drawings, A represents a section of the side of a boat; B, the gunwale thereof; C, the thole-piece, and D the screw-threaded pintle upon which it is located. The thole-piece preferably has one free thole, which is indicated by the letter E. The opposite one is integral with the tubular screw-threaded portion C, through which the pintle passes. The pintle is preferably screw-threaded throughout its entire length, though this is not essential, as either end thereof may be provided

with a fixed head or cap, which would permit the removal and replacement of the oar only at one free end—that is, the end opposite the fixed head or cap. I prefer, however, to construct the device as shown in Figs. 1 and 5—that is, screw-threaded throughout its length.

On the gunwale of the boat I insert one or two plates or escutcheons *b* in suitable mortises therefor, and through these and the gunwale is an opening, through which the pintle passes. At the lower end of the pintle, on the under side of the gunwale, a threaded nut *a* is attached, and interposed between the upper side of the gunwale and the under side of the oar-lock are two threaded nuts also. They are indicated by the letter *a'*. These, together with the under one, form a lock-nut and serve to hold the pintle rigidly in place. One of the upper nuts may be dispensed with and a washer substituted therefor.

It will be understood that though I have described and shown certain means for securing the pintle in position, yet I do not limit myself to these, as other modifications will readily suggest themselves.

The oar-lock proper has one of its tholes enlarged and provided with a screw-threaded opening for the passage of the pintle. This part is made sufficiently strong and durable to stand the greatest strain that may be put upon it. The head E may be screw-threaded or it may be integral with the pintle. If the pintle is screw-threaded throughout its length, the entire device may be removed at will from the gunwale; or only the thole-piece may be so removed, if desired.

In Figs. 3 and 6 I have shown a modification of the pintle. In these I have substituted a series of circumferential grooves along the pintle for the screw-threads. The grooves have each a small cut-away portion or recess *d*, all in the same alignment. The escutcheon has a lip or projection *b'* for engaging any one of the grooves after the adjustment of the pintle. In this modification in practice the oarsman has but to turn the pintle until the recess *d* registers with the lip *b*, when it may be raised or lowered, as desired, as the lip will afford it a free and easy passage. When the pintle is placed at the desired height, a half-turn thereof will lock it, and it will be ready for use.

Figs. 3 and 5 show the pintle located in a

tenon-socket. This is secured in a mortise in the gunwale, and thereby gains greater strength and durability.

5 The operation of the device is simple and may be readily understood from the foregoing description in connection with the drawings.

In operation the oarsman adjusts the thole-piece to the desired height by rotating it on the pintle, when it will be ready for use.

10 In use the oscillating movement of the thole-piece will be in the arc of a circle the radius of which is so small as to be scarcely perceptible and the wear on the threads at the minimum. By this arrangement the difficulty
15 which has heretofore been experienced by oarsmen will be overcome, and each one, without regard to its height, may adjust the oar-lock to suit the distance from his feet to his knees.

Having thus described my invention, what I 20 claim as new, and desire to secure by Letters Patent, is—

1. An oar-lock having its tholes upon a vertically-adjustable pintle, whereby the distance of said tholes to and from the gunwale of the 25 boat may be regulated.

2. An oar-lock having a screw-threaded pintle, a thole-piece having a tubular screw-threaded enlargement on one of its tholes for the passage of and engagement of the pintle, 30 and mechanism for securing the same to the gunwale of a boat.

JOHN A. BAILEY.

Witnesses:

GRANVILLE MILLS,
J. B. HARBAUGH.