

(No Model.)

W. E. DE RIAR.
OAR LOCK.

No. 551,265.

Patented Dec. 10, 1895.

Fig. 1.

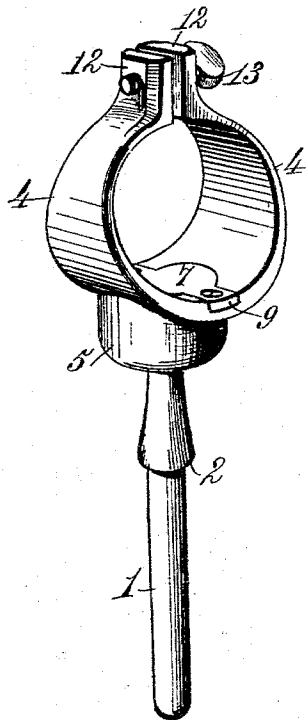


Fig. 2.

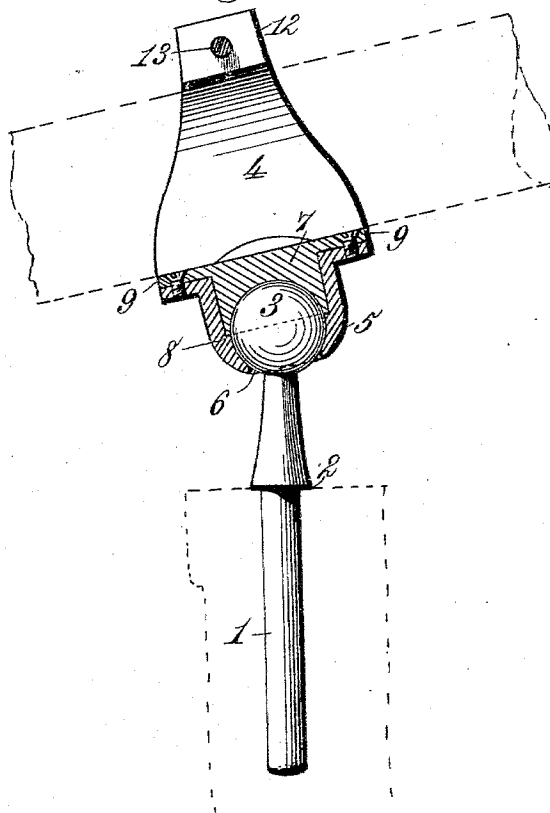


Fig. 3.

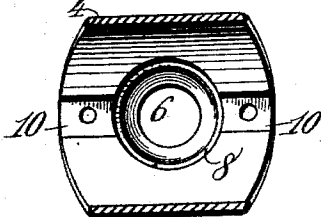
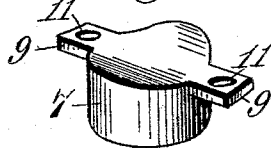


Fig. 4.



Witnesses.

J. A. Quinn
Clarence Linsford.

Inventor.

Willis E. De Riar
By Leroy B. Hills
Atty.

UNITED STATES PATENT OFFICE.

WILLIS E. DE RIAR, OF STRYKER, OHIO.

OARLOCK.

SPECIFICATION forming part of Letters Patent No. 551,265, dated December 10, 1895.

Application filed October 5, 1895. Serial No. 564,758. (No model.)

To all whom it may concern:

Be it known that I, WILLIS E. DE RIAR, a citizen of the United States, residing at Stryker, in the county of Williams and State of Ohio, have invented certain new and useful Improvements in Oarlocks, of which the following is a specification.

My invention relates to oarlocks for boats, and has for its objects to provide an improved construction of the same that will permit the ready insertion of the oar therein, will securely retain said oar when once inserted, and will allow a universal movement to the oar in the hand of the oarsman. These objects I accomplish in the manner and by the means hereinafter described and claimed, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view of my improved device. Fig. 2 is a central vertical section of the same, the shank thereof being shown in full lines. Fig. 3 is a horizontal transverse section, the retaining-plate being removed; and Fig. 4 is a detail perspective view of the retaining-plate.

In the said drawings, the reference-numeral 1 denotes the supporting-shank, the same being adapted to be inserted in an aperture in the gunwale of the boat, as seen in Fig. 2, where the latter is shown in dotted lines, a shoulder 2 being provided on said shank to limit its insertion therein. Any suitable means may be employed for retaining this shank in the gunwale.

The upper end of the shank is formed in the shape of a ball 3 for receiving the oarlock and permitting a universal movement to the latter thereon.

The oarlock proper consists of the tholes 4, formed integral at their lower ends with a half-socket 5, the upper surface of the same being substantially circular in cross-area to conform to the shape of the ordinary oar. This socket is formed with a circular opening 6 in its lower end somewhat larger in diameter than the upper end of the shank 1 below the ball 3, but smaller than the diameter of said ball. The upper inner surface of said socket is open and is adapted to be closed by the plate 7, concaved on its under surface to suit the configuration of the ball 3 and form the upper half of the socket therefor. An annular shoul-

der 8 formed in the inner surface of the socket 5 serves to prevent the plate 7 from being forced too far into said socket and thus jamming the ball 3 therein. Lugs 9 projecting to each side of the upper surface of said plate are adapted to fit into recesses 10 in the lower meeting portion of the tholes, and are provided with countersunk screw-holes 11 to afford a means for fastening the parts together by means of suitable screws.

It will be understood that the upper surfaces of the plate 7 and the lugs 9 are slightly concaved to suit the configuration of the tholes and present an unbroken bearing-surface for the oar.

The tholes 4 are formed at their upper ends into the lugs 12, which are adapted to be brought together by the threaded thumb-screw 13, passing through an aperture in one of them and engaging in a similar threaded aperture in the other.

From the above description the operation of my device will be understood to be as follows: The oar is inserted by loosening the thumb-screw 13 sufficiently to permit the insertion of the former therein endwise from the handle, the tholes spreading apart by their own resiliency. Now by screwing up the thumb-screw the oar will be clamped therein, and the shank 1 may be inserted in its hole in the gunwale and the device will be ready for use.

In order to remove the shank 1 from the oarlock it is only necessary to remove the screws retaining the plate 7 in place and the former can be then drawn out from the top of the socket 5.

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

1. An oarlock, consisting of a shank adapted to be inserted into a boat gunwale and formed at its upper end into a ball, the tholes formed at their lower meeting point into a half-socket adapted to receive the ball therein, and a retaining plate removably secured in the upper part of said half-socket and adapted to form the upper half of the ball socket, substantially as described.

2. An oarlock, consisting of two resilient tholes movably connected to the boat gunwale and formed at their upper ends into apertured lugs, in combination with a thumb

screw adapted to pass through the apertures in said lugs to bring the parts together, substantially as described.

3. In an oarlock, the combination of two resilient tholes formed at their upper free ends into apertured lugs and at their lower ends with a half-socket, a thumb screw for drawing together the upper ends of said tholes, a shank adapted to be inserted into the boat gunwale and formed at its upper end into a ball adapted to be inserted into the half-

socket, and a retaining plate removably attached to the half socket and adapted to form the upper half of said socket, substantially as described.

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

WILLIS E. DE RIAR.

Witnesses:

F. P. BREEDER,

N. HUFFMAN.