(No Model.)

C. H. VITE.

OAR LOCK.

No. 373,702. Patented Nov. 22, 1887.

Fig. 1.

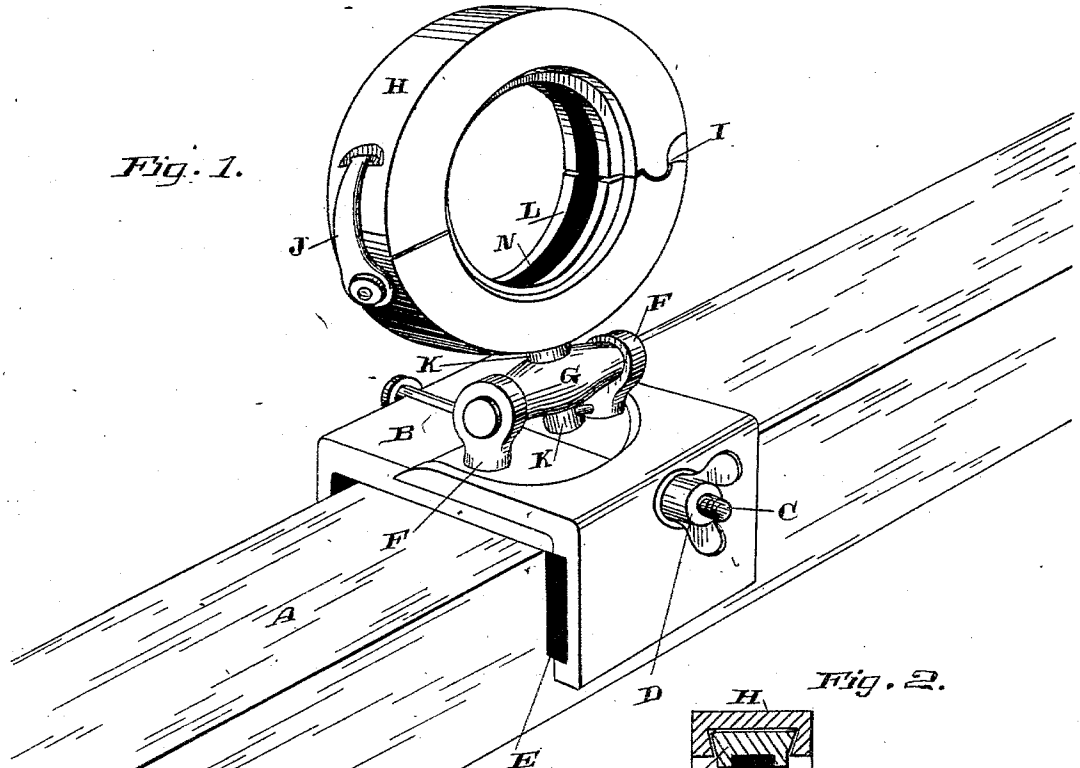


Fig. 2.

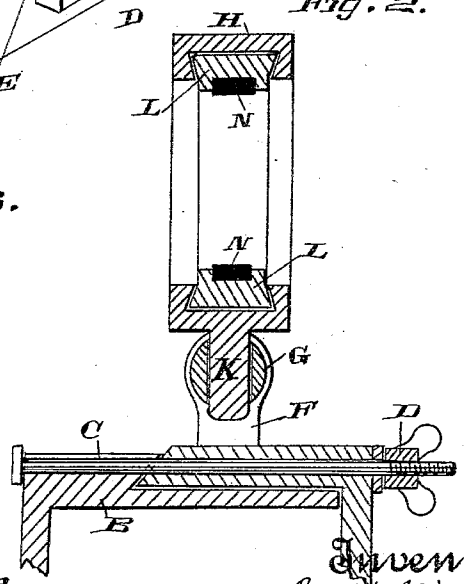
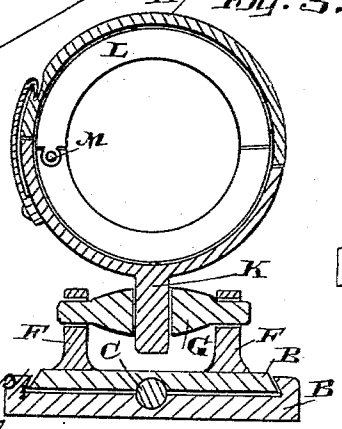


Fig. 3.



Witnesses:
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UNITED STATES PATENT OFFICE.

CHARLES H. VITE, OF SAN FRANCISCO, CALIFORNIA.

OAR-LOCK.

SPECIFICATION forming part of Letters Patent No. 373,702, dated November 22, 1887.

Application filed June 29, 1887. Serial No. 242,917. (No model.)

To all whom it may concern:

Be it known that I, CHARLES H. VITE, of the city and county of San Francisco, State of California, have invented an Improvement in Adjustable Oar-Locks; and I hereby declare the following to be a full, clear, and exact description of the same.

My invention relates to the class of oar-locks; and my invention consists in an adjustable frame or bed adapted to be fitted and tightened in any suitable place upon the gunwale of the boat, a horizontal axially-oscillating shaft pivoted to said bed-frame, a two-part hinged socket pivoted vertically in the shaft, and a two-part hinged sleeve within the socket and adapted to turn therein as a journal, all of which, together with various details of construction, I shall hereinafter fully describe.

The object of my invention is to provide an oar-lock into which the oar may be readily inserted, and which will permit of its various movements without hinderance, said oar-lock being adapted to be readily applied to its place.

Referring to the accompanying drawings, Figure 1 is a view of my oar-lock. Fig. 2 is a transverse vertical section of the oar-lock. Fig. 3 is a longitudinal vertical section.

A may represent the gunwale of the boat.

B is the bed-frame, which consists of two opposing right-angled pieces dovetailed or fitted together and adapted to be moved to and from each other by a bolt, C, carrying a thumb nut, D, so that when the bed-frame is fitted to the gunwale of the boat the sides of said frame embrace the sides of the gunwale, and by setting up the nut are made to clamp thereon tightly. The bed-frame may thus be placed in any position desired upon the gunwale, and in order to prevent it from slipping I groove it and place rubber or other frictional material in the grooves, as shown at E.

To the top of the bed-frame are secured in any suitable manner the standards F, in which is pivoted a horizontal shaft, G, which is so mounted as to have an oscillating movement on its own axis.

H is the socket, which is made in halves hinged together at I, and adapted to be fastened at their opposite sides by any suitable latch, catch, or fastening, J. To the under side of this socket is secured a pintle or pivot-pin, K, which passes down vertically through the horizontal shaft G, and is pivoted therein, so that said socket has, in addition to a movement by reason of the axial movement of the shaft, a movement of its own upon its pintle or pivot-pin as a center. Within this socket is fitted the oar-sleeve L, which is made in two parts hinged together at M. This sleeve is fitted in a grooved seat in the outer socket, and by means of beveled or dovetailed flanges is kept therein, but has a journal or rotary motion of its own in the outer socket as a bearing. The inner surface of the sleeve is grooved out and has inserted in it a rubber packing, N, for preventing the oar from slipping.

The operation of the oar-lock will then be as follows:—To ship the oar, the socket and sleeve are both open to an extent sufficient to admit the oar. They are then closed down over it, and the socket is fastened.

The bed-frame B may, as I have heretofore stated, be adjusted to any suitable place upon the gunwale. It will now be seen that by reason of the axial movement of the shaft G the oar may dip, and by reason of the pivotal movement of the sleeve H around its vertical pin the oar may accomplish its stroke, and by reason of the journal movement of the sleeve L the oar may be feathered.

When the oar is required to be unshipped or thrown in suddenly, this may be accomplished by turning the sleeve H on its pivot-pin to such an angle that the oar will lie well within the boat fore and aft.

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

1. In an oar-lock, the two opposing angular clamping-plates dovetailed or fitted to move to or from each other, in combination with a clamping-screw engaging and operating said plates, substantially as herein described.

2. In an oar-lock, the clamping-plates dovetailed or fitted and moving to and from each other and having the elastic compression-pads, in combination with the screw and thumb-nut, substantially as herein described.

3. The opposing right-angled clamping-plates dovetailed and fitted to move to and from each other and a clamping-screw engaging said plates, one of said plates having standards F projecting therefrom, in combina-

tion with a horizontal rock-shaft having its ends journaled in said standards, and the two-part hinged socket having a pintle passing through the rock-shaft, substantially as described.

4. An oar-lock comprising two oppositely-moving angular plates, one of said plates having standards projecting therefrom, a rock-shaft journaled in the standards, the two-part hinged socket having a pintle passing through said shaft, and the two-part hinged sleeve having dovetailed flanges fitted in a similar seat in the socket, whereby said sleeve may be rotated, substantially as herein described.

5. The oppositely-moving clamping-plates, the standards, the rock-shaft mounted therein, the clamping-screw, and the two-part hinged socket having a pintle passing through the shaft, in combination with a two-part hinged sleeve fitted to rotate in said socket, and an elastic clamping-ring in said sleeve, substantially as herein described.

In witness whereof I have hereunto set my hand.

CHARLES H. VITE.

Witnesses:
S. H. NOURSE,
H. C. LEE.