H. E. HARTWIG AND T. A. THOMPSON.

OAR LOCK.

APPLICATION FILED APR. 10, 1919.

1,324,020. Patented Dec. 2, 1919.

FIG. 1.

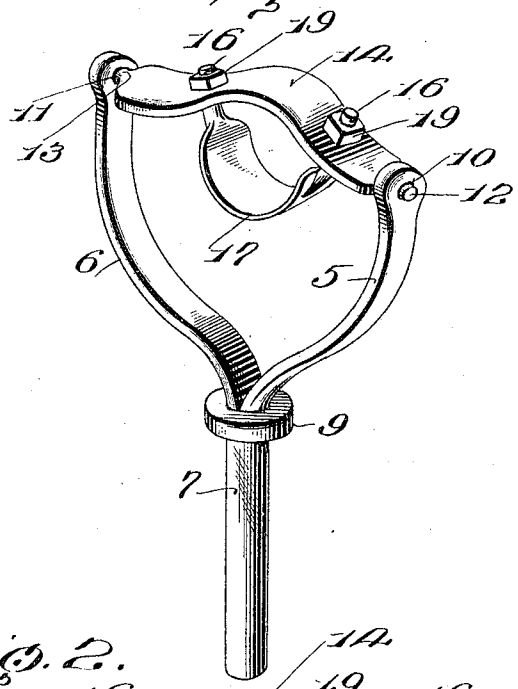
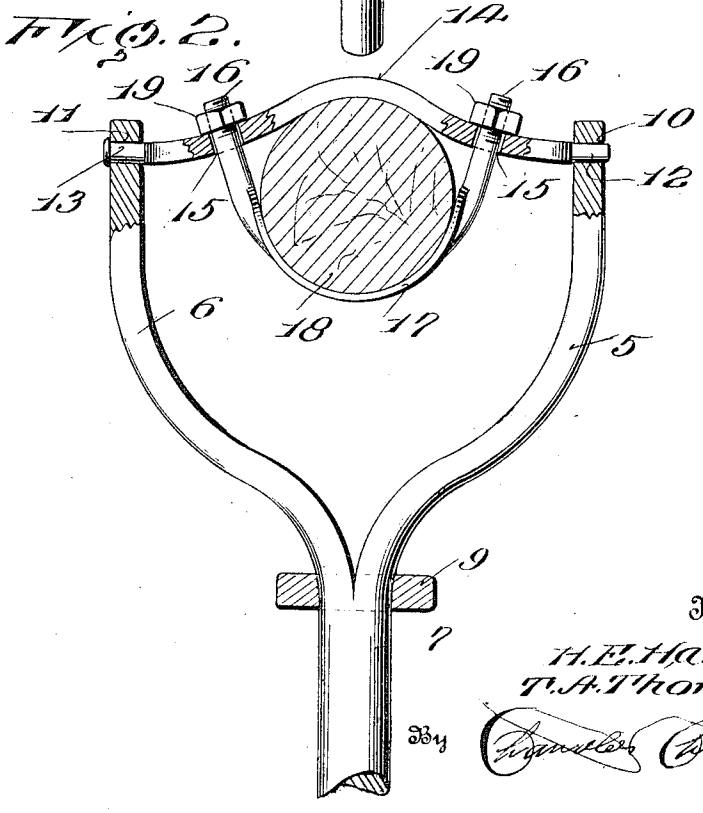


FIG. 2.



Inventor

H. E. Hartwig

T. A. Thompson

By Pennie & Pennie

Attorneys

UNITED STATES PATENT OFFICE.

HUGO E. HARTWIG AND THOMAS A. THOMPSON, OF HUTCHINSON, MINNESOTA.

OAR-LOCK.

1,324,020. Specification of Letters Patent. Patented Dec. 2, 1919.

Application filed April 10, 1919. Serial No. 289,172.

To all whom it may concern:

Be it known that we, HUGO E. HARTWIG and THOMAS A. THOMPSON, citizens of the United States, residing at Hutchinson, in the county of McLeod, State of Minnesota, have invented certain new and useful Improvements in Oar-Locks; and we do hereby declare the following to be a full, clear and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to oar locks and it has for its object primarily to provide a structure that may be manufactured at an extremely low cost, that will be durable and may be applied to the ordinary oar lock sockets in common use in row boats.

While the present construction is intended to appeal to the user because of its facility of operation and its dependability, it is furthermore designed to appeal to the manufacturer because of its extreme low cost of production.

In the drawings;—

Figure 1 is a perspective view showing an oar lock embodying the present invention.

Fig. 2 is a vertical section taken through both arms of the yoke and the clip and transversely through an oar engaged by the latter.

Referring to the drawings, the present oar lock comprises a yoke including the spaced arms 5 and 6 at the upper end of a stem 7, these yoke arms in practice, being welded together at their lower portions to constitute the stem, upon which latter there is shrunken a heavy ring 9 that serves to prevent splitting of the stem and constitutes also a bearing flange to rest upon the usual socket plate in the gunwale of a boat.

The stem and the two arms are in a common plane and in the free end portions of the arms 5 and 6 are formed alining perforations 10 and 11 in which are pivotally engaged the reduced trunnions 12 and 13 at the extremities of an arched metal strap 14, the ends of the trunnions being "upset" to prevent their disengagement from the bearings.

Near each end of the metal strap 14 and extending in the plane of its arch, is a perforation 15 which perforations receive the upwardly directed threaded ends 16 of a clip 17, the bend or bight portion of which is broadened as illustrated.

In practice, the shaft of an oar 18 is passed between the arms 5 and 6 of the yoke and the clip is then passed upwardly with its arms at opposite sides of the oar shaft and then through the perforations of the metal strap in the direction of the spring of the arch of the strap which strap is disposed with its arch springing upwardly. Nuts 19 are then engaged upon the ends of the clip and are screwed down to draw the clip upwardly and clamp the oar securely between it and the strap 14.

It will be noted that the stem of the yoke may have oscillatory movement in the usual socket plate on the oar boat gunwale while the oar may have a rocking movement in a plane at right angles to this oscillatory movement by reason of the pivotal mounting of the metal strap in the yoke arm.

It is found in practice that the construction described is extremely durable, it requires the formation and finishing of no special castings and aside from the clip which is a stock article, may be readily and economically fashioned from stock metal.

What is claimed as new is:

1. As an article of manufacture an oar lock consisting of a pair of metal bars welded together at one end and spaced apart at their other ends, the latter having alining perforations, a ring shrunken upon the welded portions at the joinder of the spaced portions therewith, a curved strap having terminal trunnions rockingly mounted in the perforations and upset at their extremities, the strap having spaced perforations therethrough, a clip comprising spaced threaded arms and a connecting arched bight portion, the arms being disposed through corresponding perforations of the strap in the direction of spring of its arch, and adjusting nuts engaged with the extremities of the clip arms.

2. An oar lock comprising a yoke including a stem and spaced arms, the latter having alining perforations, an arched metal

strap having terminal trunnions rockingly mounted in the perforations and beyond which the trunnions are upset, and a clip including spaced arms and a bight portion, having its arms engaged through the strap in the direction of spring of the arch of the latter and provided with terminal nuts.

In testimony whereof, we affix our signatures, in the presence of two witnesses.

HUGO E. HARTWIG.
THOMAS A. THOMPSON.

Witnesses:
PETER MILLER,
SAM. G. ANDERSON, Jr.