

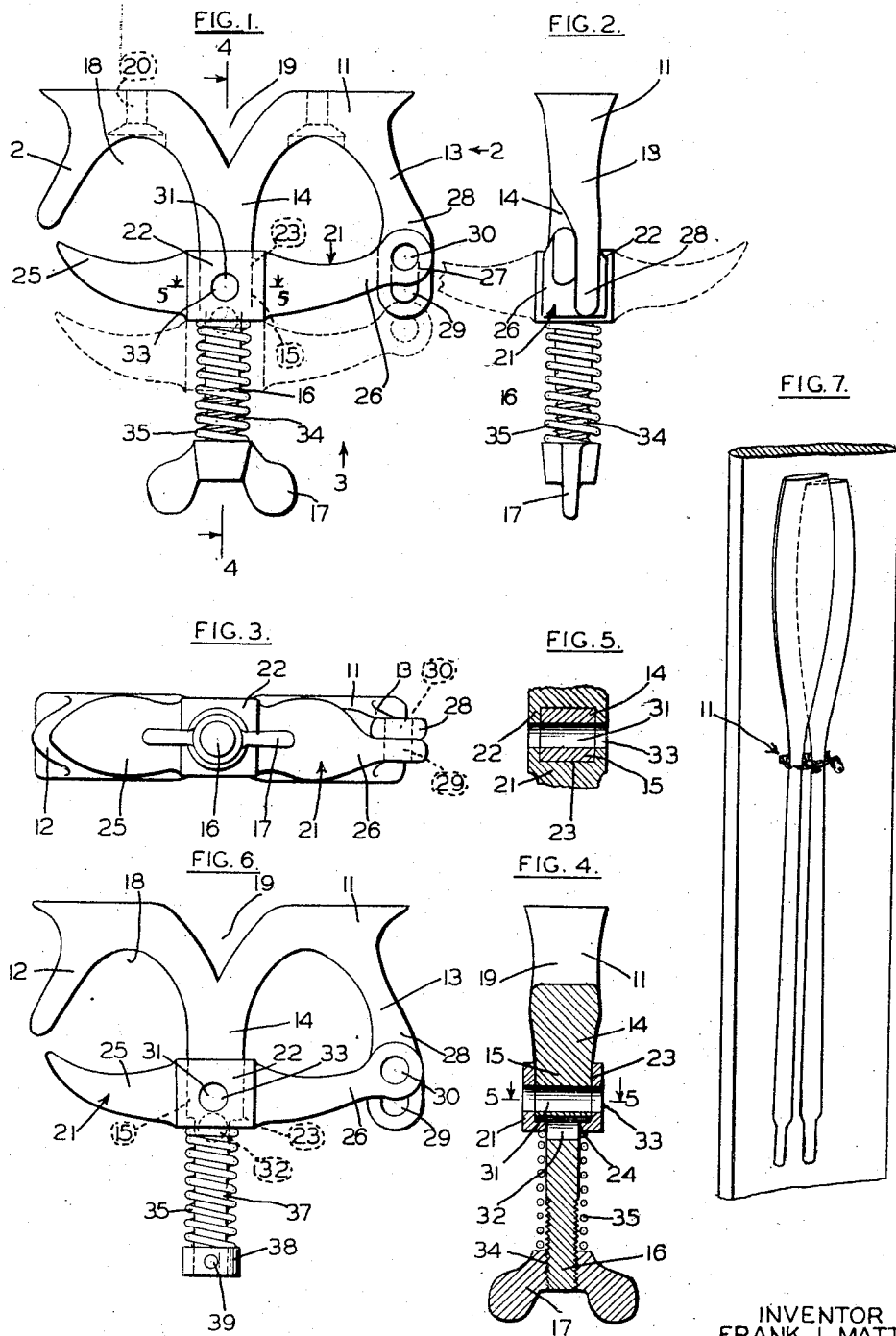
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OAR AND PADDLE HOLDER AND LOCK

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OAR AND PADDLE HOLDER AND LOCK

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My invention pertains to an oar and paddle holder and lock.

My invention is a holder of the type which may be attached to a wall, partition or the like, or to a ceiling or the underside of the deck of a boat, to hold oars or paddles.

In this type of holder, an object of my invention is a device which will hold a pair of oars or a pair of paddles at the same time, or a single oar or single paddle and to have a resiliently mounted holding element which will exert a pressure on the oar or paddle to retain these in proper place and in which the holding element may be displaced in a rotational manner to allow insertion or removal of the oar or paddle.

A further object of my invention is having the holding element mounted on a non-circular post, preferably a squared post, so that such element may be shifted to right angular positions; in one position holding the oars or paddles in position in the holder and in the other position allowing removal of such articles. In this connection a feature of my invention is forming a holder with a base and a central post with two laterally extending arms, there being a curved recess between the post, the base and the arms to accommodate the round portion of the oars or paddles and on the post there is mounted a yoke or cross bar which is slidable on the post. The post and the yoke interengage preferably by the post being squared and the yoke having a square socket so that when the yoke is in alignment with the base it may retain the oars or paddles in position, and when at right angles allows insertion or removal of such articles.

Another feature of my invention is providing the post with a spring bearing on the yoke and thus thrusting the yoke tightly against the oars or paddles. This therefore accommodates different sized articles and holds such articles in position when it is not desired to lock the holder.

A further detailed feature of my invention is making the post screw threaded at the end with an adjusting nut thereon to vary the compression of the spring, or else

forming the post with a fixed head and to retain the spring bearing against the yoke.

Another object of my invention is in the manner of locking the holder. This comprises forming one of the arms of sufficient length so that it overlaps one of the lateral extensions of the yoke and forming preferably a circular hole and an overlapping slot in these members so that the ring of a padlock may be fitted through this hole and slot and thus lock the yoke to one of the arms of the supporting base. Another or an additional manner of locking is to have a plurality of holes through the post and aligned holes through the hub part of the yoke so that a padlock may be secured to this hub part of the yoke and through the post.

My invention is illustrated in the accompanying drawings, in which,

Fig. 1 is a side elevation of my holder;

Fig. 2 is an end elevation taken in the direction of the arrow 2 of Fig. 1;

Fig. 3 is a view taken in the direction of the arrow 3 of Fig. 1;

Fig. 4 is a section on the line 4—4 of Fig. 1 in the direction of the arrows;

Fig. 5 is a section on the line 5—5 of Figs. 1 or 4, in the direction of the arrows;

Fig. 6 is an elevation of a slightly modified form of holder;

Fig. 7 is a perspective view showing oars mounted in a holder.

Referring first to the construction of Figs. 1 through 5, this illustrates a holder base 11 having two arms 12 and 13 extending outwardly at its extremity and having a central post 14. This post is illustrated as having a squared section 15 and a screw threaded end 16 having an adjusting thumb nut 17 threaded thereon. The construction forms recesses 18 of which there are two, to accommodate a pair of oars; these recesses being between the posts and the lateral arms. If desired, the base may have a central cutout section 19 to decrease the weight and have screw holes 20 to attach the holder to a supporting structure.

A yoke 21 is illustrated as having a hub section 22 in the center. This hub section

has a socket 23 formed therein, such socket being shaped to accommodate the squared end of the post. A round opening 24 in the hub section accommodates the cylindrical and threaded portion of the post. The yoke or cross member is provided with lateral extensions 25 and 26. The extension 25 is illustrated as having a concave curve on the inner face to more readily accommodate oars; the section 26 also having a similar curve and the outer end 27 overlaps the depending end 28 of the base. In the illustrations a slot 29 is illustrated as formed in the extension of the depending end of the arm 13 and a hole 30 in the extension 26 of the yoke 21. This permits a padlock to be secured through the hole in the slot and allows for adjustment to fit different sized oars.

Another and an auxiliary manner of locking the oars is by having a plurality of holes or openings 31 and 32 in the post and these being such as to align with an opening 33 in the hub of the yoke. In this manner the yoke may be adjusted on the stem so as to bring two of the openings in alignment so that a bolt may be secured through such openings. The outer portion of the post has screw threads as illustrated at 34 and there is a coiled compression spring 35 between the thumb nut 36 on the screw threaded part of the post and the end of the hub 15. Thus the spring tends to thrust the yoke towards the base and thus if no lock is used the spring and yoke are able to hold oars or paddles.

In Fig. 6 I show an alternative construction in which the stem end 37 of the post, instead of being screw threaded is indicated as being cylindrical and is provided with a head 38 on the outer end; this head being a ring or washer-like device secured in place by a pin 39. The spring 35 is positioned between this head and the hub part of the yoke.

The manner of operation and functioning of my holder is as follows: It will be understood that by using securing screws through the holes 20, the base may be attached to a wall or partition, or if desired to a ceiling or the underside of a deck of a boat. When the device is in the position indicated in full lines in Figs. 1, 2, 3 and 6, oars or paddles are held in the recess 18, fitting against the center post, a part of the base and the two lateral arms. The yoke holds the oars or paddles in position and if desired may be locked either by using a padlock connecting through the end of one of the arms and one end of the yoke, or else through the hub and holes in the post. However, if no lock is used the spring presses the yoke snugly against the articles held in the holder. When it is desired to release articles, the yoke may be pulled outwardly on the post

from the full line position of Fig. 1 to the dotted line position, then turned 90 degrees and allowed to return with the squared part of the post fitting in the square socket of the yoke. This places the yoke at right angles to the base and in effect parallel to the oars or paddles and allows the ready removal of such articles.

The inserting of the oars is practically the reverse operation, these being located in the recess of the base between the post and the arms, while the yoke is turned crosswise or at right angles to the base, then the yoke is pulled outwardly on the post, rotated a quarter turn and slipped on to the squared section of the post; this action being facilitated by the pressure of the compression spring, and this spring with the yoke retains the oars or paddles in position. The adjustable nut allows adjusting of the tension of the spring and thus different degrees of pressure can be exerted on the yoke in accordance with the weight of the oars or paddles to be held in the holder.

In the construction of Fig. 6, the arrangement has been simplified in eliminating the screw threaded stem end of the post and having a fixed abutment head to engage the spring instead of the nut.

Various changes may be made in the principles of my invention without departing from the spirit thereof as set forth in the description, drawings and claims.

I claim:

1. A holder having a base with a post and a lateral arm, there being a recess between the arm and the post, a yoke slidably mounted on the post, a spring on the post engaging the said yoke, the post and the yoke having a non-circular portion to retain the yoke extending towards the arm or at a position at right angles thereto.

2. A holder having a base with a post and an arm, there being a recess between the post and the arm, a yoke slidably mounted on the post, a spring, an abutment for the spring on the end of the post, the spring bearing against said abutment and the yoke, the yoke and the post having a non-circular section to position the yoke with a portion thereof extending towards the arm or at right angles thereto, and means for attaching a lock to the yoke and to the said arm.

3. A holder as claimed in claim 2, the post having openings therethrough and the yoke also having openings to align therewith to allow fastening of a lock through the said openings.

4. A holder having a base with a center post and a pair of lateral arms, there being a curved recess between the arms and the post, a yoke slidably mounted on the post and having lateral extensions towards the said arms, an abutment structure on the end of the post, a spring coiled on the post and

bearing against said abutment and the yoke, the yoke being shiftable and rotatable in reference to the post to form a closure between the post and the arms over the said recess, one of the arms and extension of the yoke having openings for attachment of a lock and the post having openings and the yoke also having openings to align with the openings of the post for attaching the lock.

5. A holder having a base with a center post and lateral arms, there being a curved recess between the arms and the post, the post having a portion with a non-circular section, a yoke having a hub fitting on the said portion of the post having lateral extensions to extend towards the said arms, a spring mounted on the post and bearing against the said hub, the hub having a non-circular section and being shiftable longitudinally of the post and rotatable at right angles to the line of the arms and the post to position the said yoke crosswise of the base.

6. A holder having a relatively narrow base with a center post and lateral arms, there being a recess between the arms and the post, a yoke having a hub slidable on the post and lateral extensions towards the said arms, an adjusting nut threaded on the end of the post, a compression spring between the hub and the yoke, the post and the said hub having a non-circular section to position the yoke substantially parallel to the base or at right angles thereto.

7. A holder having a relatively narrow base, a center post and two lateral arms, there being a curved recess between the arms and the post, a yoke having a hub, the post having a non-circular section with the hub fitting on said section, the yoke being shiftable to disengage the hub from said section and allow a replacement thereof at right angles to the first position, one of the arms and part of the yoke having openings for attachment of a lock.

8. A holder as claimed in claim 7, the post having an adjusting nut thereon and a spring between the nut and the hub.

9. A holder comprising a relatively narrow base having a center post and two lateral arms, a yoke having a center hub and lateral extensions, the post having a non-circular section and the hub fitting thereon, the post having transverse openings, the hub having openings to align therewith, adapted for attachment of a lock, and means to rest the yoke towards the base.

In testimony whereof I have signed my name to this specification.

FRANK L. MATTHEWS.