Jan. 17, 1933. C. B. SAMUELSON 1,894,710

OUTBOARD PROPELLING MOTOR FOR BOATS

Filed March 28, 1931

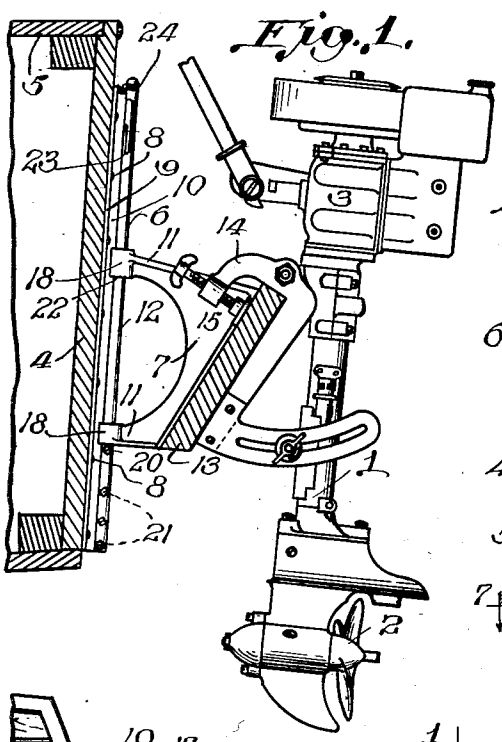


Fig. 1.

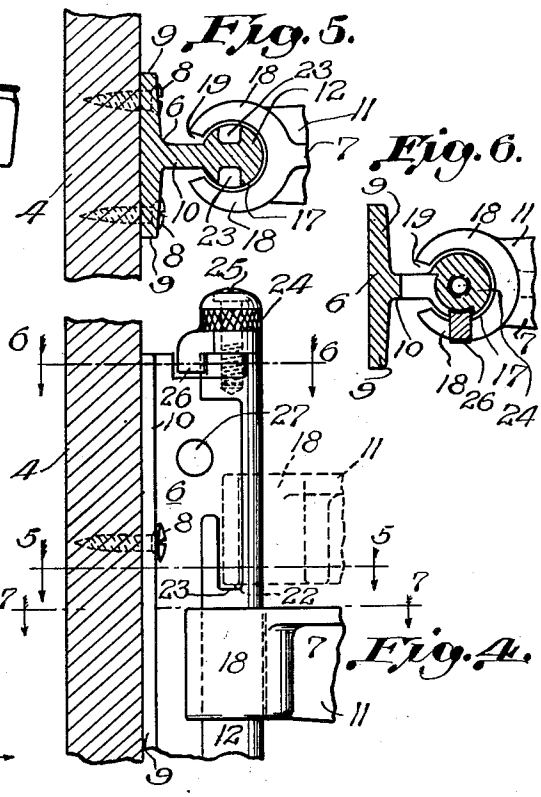


Fig. 5.

Fig. 6.

Fig. 4.

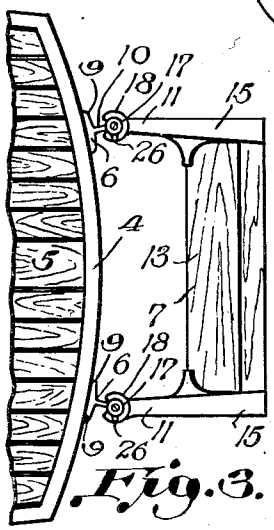


Fig. 3.

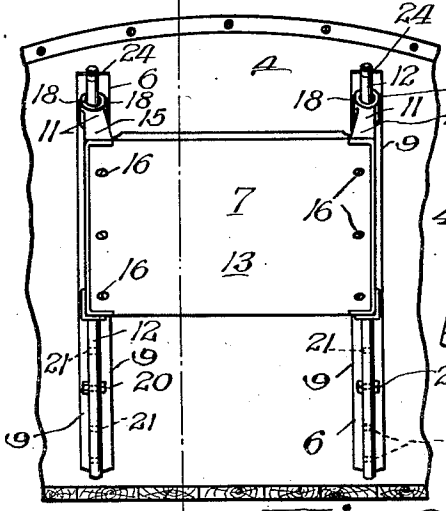


Fig. 2.

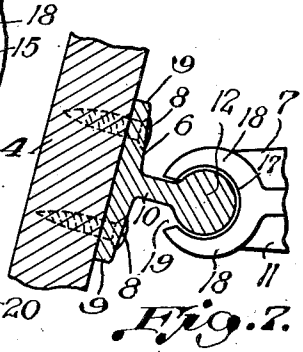


Fig. 7.

Witness:

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Patented Jan. 17, 1933 1,894,710

UNITED STATES PATENT OFFICE

CHARLES B. SAMUELSON, OF PENINSULA TOWNSHIP, GRAND TRAVERSE COUNTY, MICHIGAN

OUTBOARD PROPELLING MOTOR FOR BOATS

Application filed March 28, 1931. Serial No. 526,051.

The present invention relates to outboard propelling motors for boats and particularly to means for mounting the same on the boat; and its object is to provide a stable and readily operated device of this character; and further, to provide in such a device means for releasably holding such motors in an elevated position; and further, to provide in such a device means for releasably securing such motors against accidental removal from the boat; and further, to provide in such a device means for locking the motors against removal by unauthorized persons; and further, to provide such a device adapted to be mounted on boat sterns of various shapes.

These and any other and more specific objects hereinafter appearing are attained by, and the invention finds preferable embodiment in, the structure particularly described in the body of this specification and illustrated by the accompanying drawing, in which:

Figure 1 is an elevational side view of an "outboard" boat propelling motor and of means for removably mounting the same on the boat, certain parts being shown in vertical section taken on line 1—1 of Figure 2;

Figure 2 is an elevational rear view of said mounting means, and a stern view of the boat;

Figure 3 is a top plan view of the same;

Figure 4 is an elevational side view of a portion of the mounting means, the boat's stern being shown in vertical section taken on line 1—1 of Figure 2;

Figure 5 is a transverse sectional view thereof taken on line 5—5 of Figure 4;

Figure 6 is a transverse sectional view of the same taken on line 6—6 of Figure 4, but showing the button latch turned to another position; and

Figure 7 is a transverse sectional view of the same taken on line 7—7 of Figure 4.

In the structure illustrated by the drawing an "outboard" propelling motor of a usual type designated generally 1 (comprising a screw propeller 2 and a motor 3 for driving the same) removably mounted on the stern 4 of a boat 5, by my improved mounting device.

This device comprises a supporting member, or pair of supporting members designated generally 6, and a supported member designated generally 7 carrying the boat's propelling motor 1. These supporting members 6 are secured on the stern of the boat in parallel spaced-apart position by any suitable means as by screws 8 passing through their laterally and oppositely extending flanges 9, each of said members having a web portion 10 and an upwardly-downwardly extending slide bearing portion 12 cross-sectionally round and larger than the web portion in cross section. The supported member 7 comprises a body portion 13 (which may be a wooden board) on which the propelling motor 1 may be carried in any suitable way, as by the screw clamp 14, and a pair of brackets 15 secured to the body portion as by screws 16, and spaced laterally apart corresponding with the pair of supporting members 6.

These brackets have a pair of vertically spaced arms 11 having at their ends openings 17 embracing and slidably movable along the supporting members' slide bearings 12, the curved arms 18 at the opposite sides of said openings being spaced apart at 19 to receive the web portions 10 of the members 6, and sufficiently so spaced that the brackets may be turned about the slide bearings 12 far enough to permit the flanges 9 of the members 6 to be mounted flat on the stern of the boat although the stern be curved in a horizontal plane as shown in Figure 3.

The upper ends of the supporting members 6 being inserted into the openings 17, the supported member 7 is slid downwardly along the slide bearings 12 to a desired position for the operation of the motor's screw propeller 2 in the water, in which position it is held supported by suitable stops, as the screw bolts 20 thrust through vertically spaced openings 21 in the members 6. The supported member 7 (with the propelling motor carried thereby) may be slid upwardly on the slide bearings 12 and held in raised position by moving the same rearwardly far

enough to permit the bottom edge 22 of the upper arms 11 of the brackets to rest on the shoulder 23 formed in the members 6, as indicated in dotted lines in Figure 4, the slide bearings 12 being sufficiently loose in the openings 17 to permit suc' rearward movement of the supported member.

This supported member 7 is releasably held against accidental removal from the supporting members 6 by the latches or buttons 24 mounted on the upper ends of said members 6 turnably as by threaded pivots 25 extending in the axial direction of members 6.

When the arms 26 of these button latches are turned to the position seen in Figures 3 and 6 they overlie one of the circular arms 18 and prevent said removal; but when these latches are turned to the position shown in Figure 4 registering with the gap between the arms 18, the supported member and parts carried thereby may be slid upwardly off of the supporting members.

One or both of these supporting members may have an opening 27 above the supported member 7 through which opening the bolt of a padlock or other suitable lock may be thrust to lock the supported member 7 against removal by unauthorized persons.

It will be seen that the driving motor 3 may be started in the supported position of member 7 on shoulder 23 in which position the propeller 2 is above the water, and when desired momentum of motor 3 and propeller 2 is attained said member 7 and parts carried thereby may be lowered to operative position immersing the propeller in the water.

The invention being intended to be pointed out in the claims, is not to be limited to or by details of construction of the particular embodiment thereof illustrated by the drawing or hereinbefore described.

I claim:

1. In a device for mounting an outboard propelling motor on a boat: a supporting member secured on the boat and having an upwardly-downwardly extending slide bearing with a shoulder adjacent its upper end; a member carried by the first-mentioned member slidably along its said bearing to lower position and in its upper position movable laterally into and out of supported position on the shoulder, and carrying the motor, the second-mentioned member being held by said slide bearing against detaching lateral movement.

2. In a device for mounting an outboard propelling motor on a boat: an upwardly-downwardly extending suppor ng member having a web portion provided with means for securing the same to the boat and a cross-sectionally enlarged slide bearing; a member carried by the first-mentioned member, having a portion embracing its said bearing slidably therealong and having a limited turning movement thereon, and carrying the motor.

3. In a device for mounting an outboard propelling motor on a boat: a supporting member secured on the boat and having an upwardly-downwardly extending slide bearing; a member removably carried by the first-mentioned member slidably along its said bearing to operative lower position and carrying the motor; a latch mounted on one of said members pivotally on an axis extending in the axial direction of said members and adapted to be turned to and from a position engaging the other one of said members to releasably hold the second-mentioned member against removal from the first-mentioned member.

4. In a device for mounting an outboard propelling motor on a boat: a supporting member secured on the boat and having an upwardly-downwardly extending slide bearing and an opening adjacent its upper end adapted to receive a lock bolt; a member removably carried by the first-mentioned member below said opening, slidably along its said bearing to operative lower position and carrying the motor.

5. In a device for mounting an outboard propelling motor on a boat: a pair of separate supporting members each having a portion provided with means for securing the same to the boat and a cross-sectionally enlarged upwardly-downwardly extending slide bearing; a member having a body portion carrying the motor and a pair of portions embracing said bearings respectively slidably therealong and having a limited turning movement thereon, said pair of supporting members being secured to the boat in parallel spaced apart relation, and said pair of portions being held by the slide bearings respectively against detaching lateral movement.

6. In a device for mounting an outboard propelling motor on a boat: a supporting member secured on the boat and having an upwardly-downwardly extending slide bearing; a member carried by the first-mentioned member slidably along its said bearing to operative position and carrying the motor, said supporting member having vertically spaced openings adapted to receive a supporting stop for the second-mentioned member, the second-mentioned member being held by said slide bearing against detaching lateral movement.

In testimony whereof I have hereunto set my hand at Grand Rapids, Michigan, this 25th day of March, 1931.

CHARLES B. SAMUELSON.