

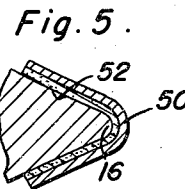
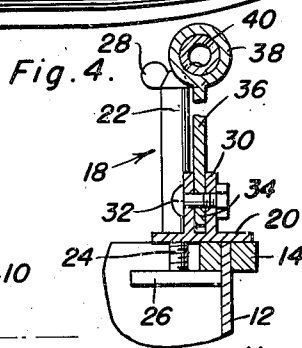
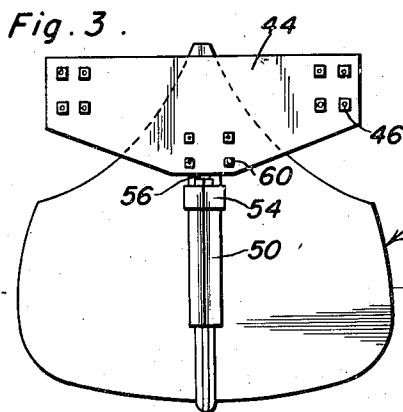
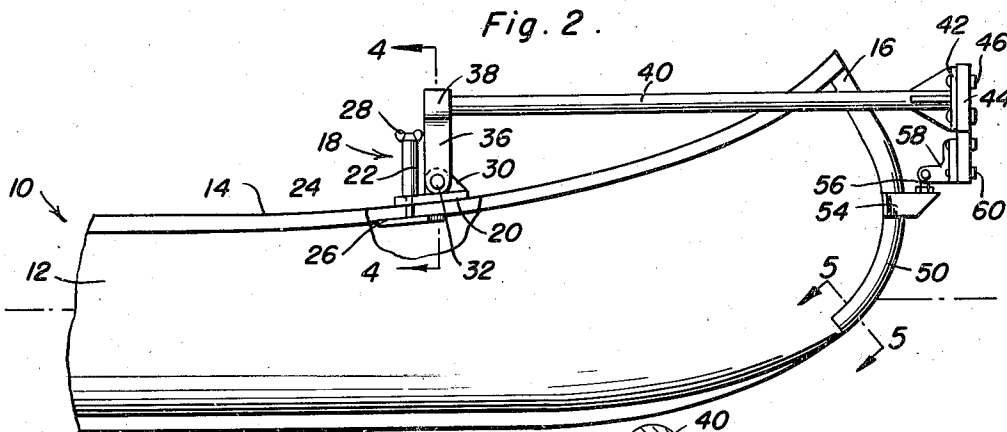
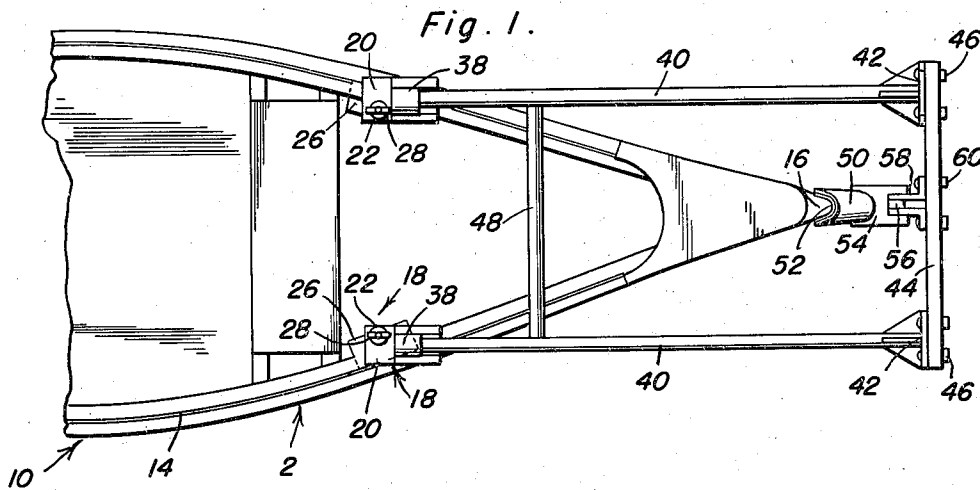
July 12, 1949.

H. M. HAFELE

2,475,889

MOTOR MOUNTING

Filed Feb. 16, 1948



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UNITED STATES PATENT OFFICE

2,475,889

MOTOR MOUNTING

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Application February 16, 1948, Serial No. 8,640

4 Claims. (Cl. 248—4)

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This invention relates to new and useful improvements in motor mountings and the primary object of the present invention is to provide a novel and improved mounting for canoes that will support in an operative position an outboard motor which will be employed in an efficient manner for propelling the canoe on which the same is applied.

Another important object of the present invention is to provide a motor mounting for canoes including novel and improved attaching means so designed as to facilitate the said mounting to be quickly and readily applied to or removed from a canoe in a convenient manner.

A further object of the present invention is to provide a motor mounting that is extremely small and compact in a structure and which will support an outboard in such a manner as to retain the canoe in an evenly balanced condition for safe use.

A still further aim of the present invention is to provide a motor mounting that is simple and practical in construction, strong and reliable in use, neat and attractive in appearance, relatively inexpensive to manufacture, and otherwise well adapted for the purpose for which the same is intended.

Other objects and advantages reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawings forming part hereof, wherein like numerals refer to like parts throughout, and in which:

Figure 1 is a fragmentary top plain view of a canoe and showing the present motor mounting applied thereon;

Figure 2 is a side elevational view of Figure 1 taken substantially in the direction of arrow numbered 2 in Figure 1;

Figure 3 is a rear elevational view of Figure 2; Figure 4 is an enlarged transverse vertical sectional view taken substantially on the plane of section line 4—4 of Figure 2; and,

Figure 5 is an enlarged sectional view taken substantially on the plane of section line 5—5 of Figure 2.

Referring now to the drawings in detail, wherein for the purpose of illustration, there is disclosed a preferred embodiment of the present invention the numeral 10 represents a canoe generally, comprising side walls 12 having reinforcing strips 14, and an arcuate stern or stem piece 16.

Removably and clampingly engaging the reinforcing strips 14 is a pair of opposed anchor mem-

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bers or canoe gunwale brackets which are designated generally by the numeral 18. These anchor members 18 include substantially rectangular base plates 20 that frictionally engage the reinforcing strips 14. Upstanding, support sleeves 22 are fixed to the base plates 20 and receive screw threaded rods 24 which are rigidly secured to clamping plates 26 that frictionally engage the lower face of the reinforcing strips 14. Wing nuts 28 receivably engaged on the screw-threaded rods 24 are adjustable for clamping positioning of the plates 20 and 26 on the reinforcing strips 14.

Fixed to each of the base plates 20, is a pair of spaced upstanding ears 30 that engage removable fasteners 32 on which the eye ends 34 of support arms 36 are pivotally mounted. The free ends of the arms 36 are provided with guide sleeves 38 that frictionally engage the forward terminals of a pair of tubular side rails 40. Rigidly secured to the rear terminals of the rails 40 are attaching plates 42 that are removably secured to a rear panel 44 by fasteners or the like 46. Extending transversely between the side rails 40, is a rigid cross bar 48 that retains the side rails spaced parallel to each other.

The numeral 50 represents an arcuate stern engaging arm that is substantially V-shaped in cross section. Fixed to the inner surface of the arm 50 is a cushion element 52 of preferably cork material that frictionally engages the arcuate stem piece 16. Suitably fixed to the arm 50, is an outwardly projecting base block 54 that supports a swivel member 56 that is pivoted between a pair of spaced, back to back, angle members 58 which are removably secured to the rear panel 44 by fasteners or the like 60.

It should be noted that all the weight of the engine or motor (not shown) that is fixed on the side rails 40 and thrust load is carried by the gunwale engaging brackets 18 and the side rail 40 aid in retaining the present mounting in position to the canoe and carry a small portion of the forward thrust load as the canoe moves forwardly from the motor carried by the present mounting. The swiveling mounting lug 56, free for left and right movement from vibration of the motor, will reduce and prevent vibration of the canoe through contact of the arm 50. Obviously, the cushion element 52 will protect the canoe finish and absorb some vibration transmitted to the arm 50 from the motor.

In view of the foregoing description taken in conjunction with the accompanying drawings it is believed that a clear understanding of the device will be quite apparent to those skilled in this

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art. A more detailed description is accordingly deemed unnecessary.

It is to be understood, however, that even though there is herein shown and described a preferred embodiment of the invention the same is susceptible to certain change fully comprehended by the spirit of the invention as herein described and the scope of the appended claims.

Having described the invention, what is claimed as new is:

1. A motor mounting for canoes comprising a motor supporting frame, a pair of anchor members removably engageable with the upper sides of a canoe, means pivotally securing the frame to the anchor members, a support frictionally engaging the stem of a canoe, and swivel means connecting the frame to the support.

2. The combination of claim 1 wherein said support includes an arcuate arm substantially V-shaped in cross section, and means carried by arm for frictionally engaging the arcuate stem of a canoe.

3. The combination of claim 2 wherein said

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stem engaging means carried by said arm includes a cushion member.

4. A motor mounting for canoes comprising a motor supporting frame, a pair of anchor members, means for clamping said anchor members on the upper sides of a canoe, means pivotally securing the frame to the anchor members, a rear panel carried by said frame, an arcuate support arm frictionally engaging the stem of a canoe, and means for swiveling the rear panel to the support arm.

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