W. STANLEY.

MOTOR ATTACHMENT.

APPLICATION FILED SEPT. 8, 1915.

1,172,176.

Patented Feb. 15, 1916.

Fig. 1.

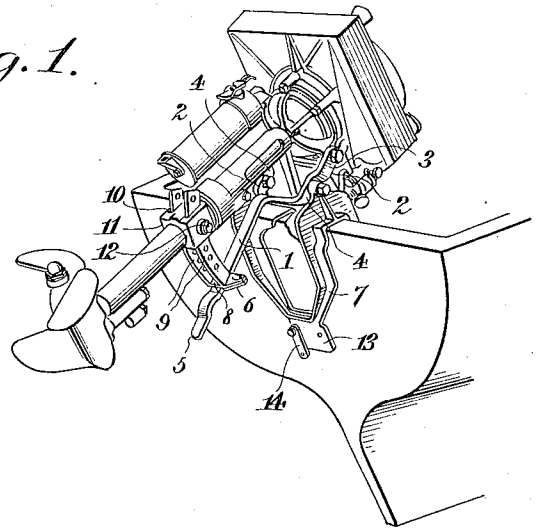


Fig. 2.

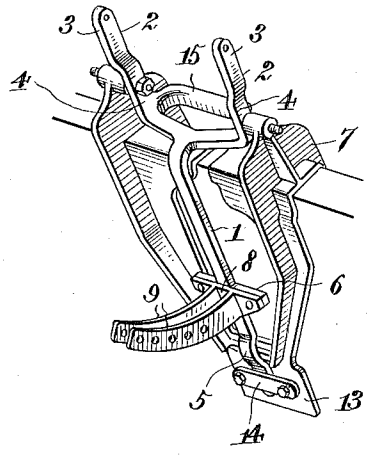
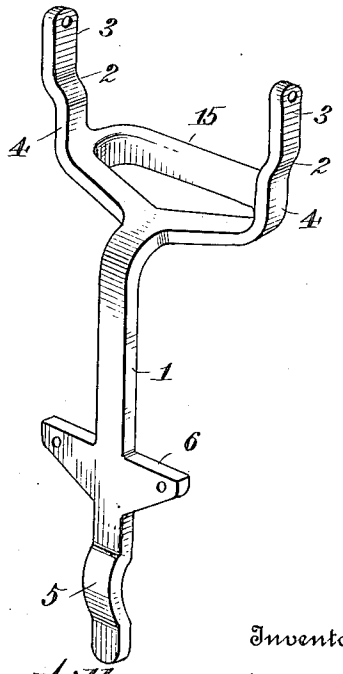


Fig. 3.



Inventor,

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UNITED STATES PATENT OFFICE.

WILLIAM STANLEY, OF CHICAGO, ILLINOIS.

MOTOR ATTACHMENT.

1,172,176. Specification of Letters Patent. Patented Feb. 15, 1916.

Application filed September 8, 1915. Serial No. 49,542.

To all whom it may concern:

Be it known that I, WILLIAM STANLEY, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented new and useful Improvements in Motor Attachments, of which the following is a specification.

The invention relates to an improvement in marine motor attachments, and is particularly directed to a construction arranged intermediate the motor proper and the bracket whereby such motor is removably connected to the stern of the boat, the attachment providing for swinging the motor to and from an operative position, in order that provision may be made for shallow water, avoiding obstructions and the like.

The invention in the preferred form of details will be described in the following specification, reference being had particularly to the accompanying drawings, in which:

Figure 1 is a perspective view showing the attachment in use for tilting the motor to an inoperative position; Fig. 2 is a similar view, the motor being omitted and the attachment in the position occupied when the motor is in operative position; Fig. 3 is an enlarged perspective view of the attachment disconnected.

The attachment proper comprises what may be termed a tilting bracket including a main length 1, which at the upper end is provided with spaced arms 2, the arms comprising inner parallel portions 4 and outer parallel portions 3, the latter being outwardly offset with respect to the portions 4. The lower end of the main length 1 is formed with a spring terminal 5 by slightly bending the material adjacent and above said terminal with a transverse plate 6.

The tilting bracket is secured in place by pivotally connecting the terminals of the portions 4 of the arms to the motor securing bracket 7, preferably at the extreme upper portion of the latter, and rigidly securing the motor proper to the terminals of the portions 3 of the arms. The adjusting member usually carried by the securing plate 7 and including a plate 8 and spaced curved strips 9 is pivotally secured to the transverse plate 6, the function of this adjusting member being the same as in its ordinary application, namely the projection of the strips 9 through slots 10 in a sleeve member 11 forming a bearing for the main shaft and the securing of the sleeve member and strips in adjusted positions by set screws 12.

At the lower end of the securing bracket 7 is arranged a plate 13 having a locking member 14 designed to overlie and secure the spring terminal 5 of the tilting bracket. By preference the bracket is also provided with a handle member 15 for convenient carrying of the motor as an entirety. In use it will be obvious that the tilting bracket, released from its locking member 14 may be tilted as shown in Fig. 1 to elevate the propeller so as to avoid obstruction or to permit the boat to travel in water too shallow for the use of the propeller. When desired for use the motor is turned down into an operative position, and the terminal 5 of the tilting bracket secured to the bracket 7 by the use of the locking member 14.

The improved structure provides for tilting the motor as an entirety in a simple and convenient manner or for locking it in operative position, without the necessity of the operator leaving the boat, or of manipulating other than the single fastening means.

What is claimed is:

A tilting bracket arranged intermediate the motor and the securing bracket therefor, said tilting bracket including arms pivotally connected to the securing bracket and to the motor, a main member projecting from the arms, means carried by the main member to adjustably secure the motor thereto, and means for locking the main member to the securing bracket.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM STANLEY.

Witnesses:
LOUIS KEIM,
J. R. ROSE.