

WHAT I CLAIM AS MY INVENTION IS:-

1. In an outboard motor for boats the combination of a frame adapted to be secured to a boat; an inverted vertical internal combustion motor connected to said frame, the cylinder of the motor being located below the upper part of the frame; and a propeller shaft driven by said motor.
2. In an outboard motor for boats the combination of a frame adapted to be secured to a boat; an inverted vertical internal combustion motor pivotally connected to the frame, the cylinder of the motor being located below the upper part of the frame and the pivotal connection being located adjacent the lower part of the frame; and a propeller shaft driven by said motor, the motor swinging in a vertical plane in line with the propeller shaft.
3. An outboard motor for boats constructed as set forth in claim 2 provided with means to limit the downward swing of the motor and the drop of the propeller shaft.
4. An outboard motor for boats constructed as set forth in claim 2 having a pin and slot connection to limit the downward swing of the motor and the drop of the propeller shaft, the slot being provided in the frame and concentric with the pivotal connection.
5. In an outboard motor for boats the combination of a frame adapted to be secured to a boat; an inverted vertical internal combustion motor pivotally connected to the frame, the cylinder of the motor being located below the upper part of the frame and the pivotal connection being located adjacent the lower part of

the frame; a propeller shaft driven by said motor, the motor swinging in a vertical plane in line with the propeller shaft; a slot provided in said frame; a pin secured to said motor and extending through said slot; and clamping means provided on said pin whereby the motor may be locked in a forward position thus holding the propeller shaft in a raised position.

6. An outboard motor for boats constructed as set forth in claim 5, having the forward end of the slot counterbored; and a locking member provided on the pin having a projection adapted to fit said counterbore.

7. An outboard motor for boats constructed as set forth in claim 5 having the forward end of the slot counterbored; and a hand wheel screwed on the pin provided with a projection adapted to fit said counterbore .

8. In an outboard motor for boats the combination of a frame comprising two halves each half adapted to be secured to a boat and provided with a boss; an inverted vertical internal combustion motor provided with a lug journaled between said bosses; and a propeller shaft driven by said motor .

9. In an outboard motor for boats, the combination of a frame adapted to be secured to a boat; a vertical internal combustion motor provided with a water jacket having an open top and connected to said frame; a propeller shaft driven by said motor; a tube inclosing said propeller shaft; and a water pump secured to said tube and connected to the upper part of said water jacket.

10. In an outboard motor for boats, the combination of a frame adapted to be secured to a boat; a vertical internal combustion motor connected to said frame; a propeller shaft driven by said motor; a tube inclosing said propeller shaft; a sleeve secured to said tube; a rudder having its forward edge inclined and pivoted on said sleeve and provided with laterally extending arms; a collar secured on said tube; a tiller rope secured to each of the said arms and supported by said collar; and a transversely arranged lug formed on the bottom of said sleeve adapted to be engaged by the upper edge of said rudder to resist upper strain of the latter.

11. In an outboard motor for boats, the combination of a frame adapted to be secured to a boat; a vertical internal combustion motor connected to said frame; a propeller shaft driven by said motor; a tube inclosing said propeller shaft; a sleeve secured to said tube; a rudder pivoted on said sleeve and provided with laterally extended arms; a collar secured on said tube; a tiller rope secured to each of the said arms and supported by said collar; and a spring connected to each tiller rope and connected to said collar.