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C. E. SCOTT ET AL

2,515,428

OUTBOARD MOTOR SUPPORT AND PACKAGE

Filed Jan. 25, 1946

2 Sheets-Sheet 1

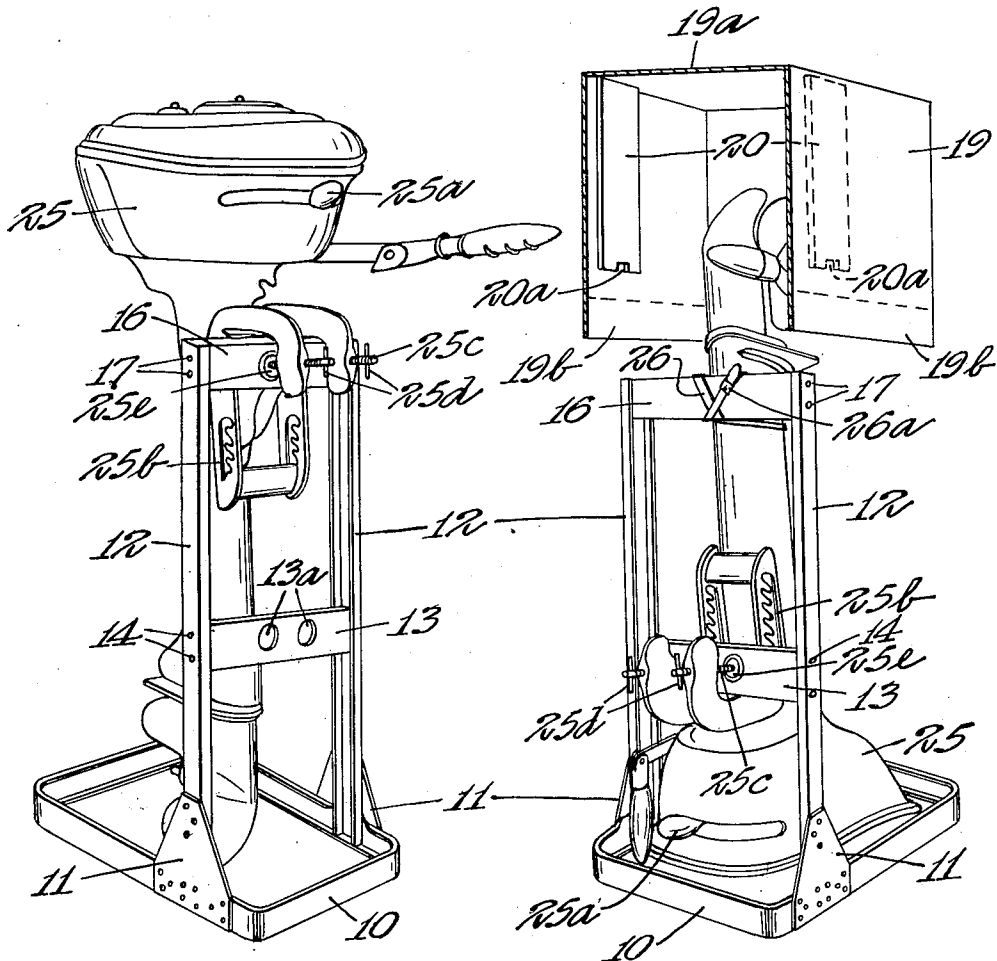


Fig. 1

Fig. 2

INVENTORS
CLIFFORD E. SCOTT
GEORGE W. GERBER
By *Chas. C. Reif*
ATTORNEY

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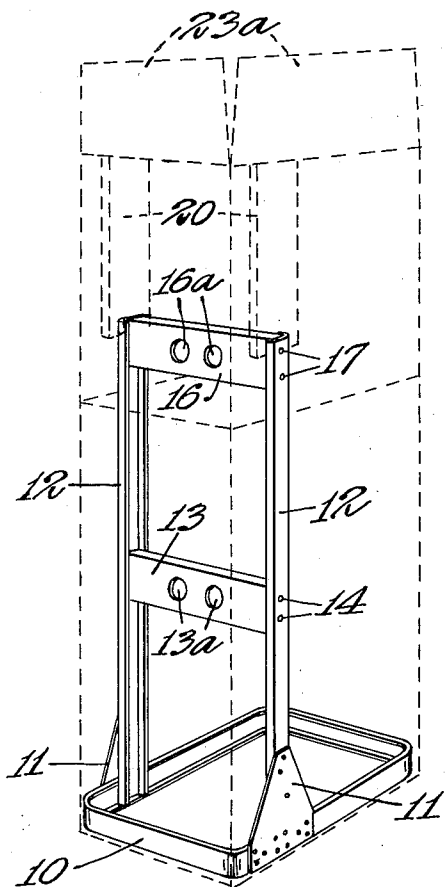


Fig. 3

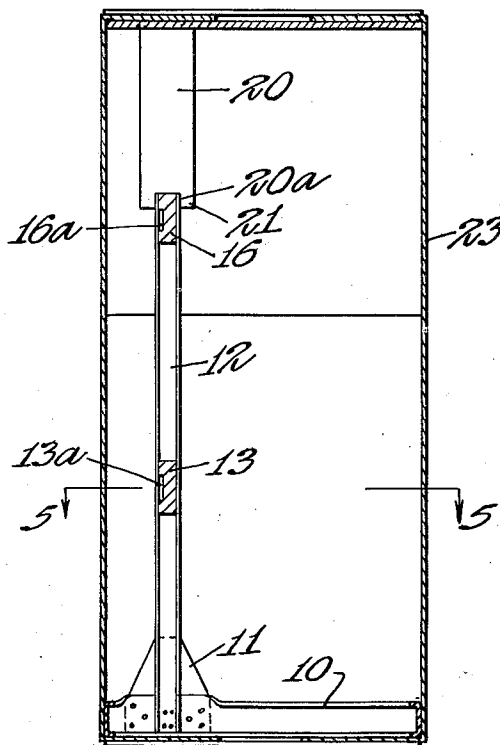


Fig. 4

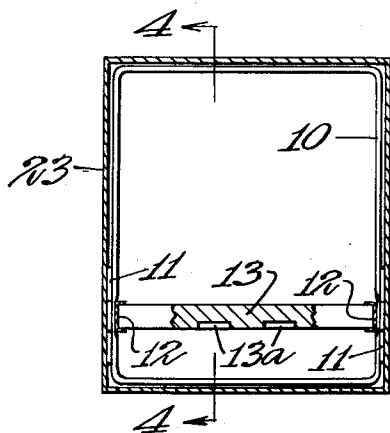


Fig. 5

INVENTORS
CLIFFORD E. SCOTT
GEORGE W. GERBER
By *Chas. C. Reif*
ATTORNEY

UNITED STATES PATENT OFFICE

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OUTBOARD MOTOR SUPPORT AND PACKAGE

Clifford E. Scott and George W. Gerber, Minneapolis, Minn., assignors to Scott-Atwater Manufacturing Company, Minneapolis, Minn., a partnership having as its members Horace B. Atwater and Clifford E. Scott

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10 Claims. (Cl. 206—46)

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This invention relates to a device or stand for holding a machine such as an outboard motor. Outboard motors are now commonly known and the same usually have a gas tank portion at the upper ends and a propeller portion at their lower ends. It is desirable to have a vise or frame for holding these motors firmly in position for shipment and it is also desirable to have such a device as can be used for a display rack or holding means.

It is an object of this invention therefore to provide a device for holding a machine such as an outboard motor, which device is of simple, rigid and efficient construction.

It is a further object of the invention to provide a device for holding a machine such as an outboard motor comprising a base, spaced members upstanding from said base in transverse alinement, said members preferably being in the form of channels having their channel sides facing each other, and vertically spaced members extending between said channels having their ends disposed therein and being secured to said channels, whereby an outboard motor may be disposed in inverted position with its gas tank portion disposed within said base and its boat-clamping means clamped to one of said vertically spaced members, or said motor may be disposed in upright position with its boat-clamping means clamped to the other of said vertically spaced members.

It is also an object of the invention to provide a cover for said motor when in inverted position, which cover has top and side portions and is constructed and arranged to be secured to the upper of said vertically spaced members.

It is more specifically an object of the invention to provide a device for holding a machine such as an outboard motor, which device has a base in the form of a closed figure such as a rectangle and preferably formed of a channel member with its channel side directed inwardly, brackets secured to the sides of said base and upstanding therefrom, a pair of channel members secured to and extending upwardly from said brackets respectively in transverse alinement and having their channel sides facing each other, a member extending between said channel members having its ends disposed therein and being secured thereto, said member being located between said base and the tops of said channels, a second member extending between said channels having its ends disposed therein and being secured thereto, said second member being disposed adjacent the tops of said channels, and said

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last mentioned members preferably having spaced counterbores therein.

It is still another object of the invention to provide a device such as set forth in the preceding paragraph, together with a cover having top and side portions, and members secured to the inner walls of said side portions constructed and arranged to fit over and be secured to said second member.

These and other objects and advantages of the invention will be fully set forth in the following description made in connection with the accompanying drawings in which like reference characters refer to similar parts throughout the several views and in which:

Fig. 1 is a perspective view of the device showing an outboard motor therein in upright position;

Fig. 2 is a similar view showing the device with an outboard motor therein in inverted position and showing a cover in partly removed position;

Fig. 3 is a perspective view of the device with a cover indicated in dotted lines;

Fig. 4 is a vertical section taken substantially on line 4—4 of Fig. 5, as indicated by the arrow; and

Fig. 5 is a horizontal section taken on line 5—5 of Fig. 4, as indicated by the arrow.

Referring to the drawings, a device is shown comprising a base 10. While this base might be variously formed, in the embodiment of the invention illustrated it is shown as made from a channel member bent into the form of a closed figure, specifically a rectangle with rounded corners. The channel side of member 10 is directed inwardly. Secured to either side of member 10 and extending upwardly therefrom are brackets 11 illustrated as made from plates having tapered upper portions. Secured to brackets 11 respectively and extending vertically therefrom are channel members 12 arranged in transverse alinement and having their channel sides facing each other. Disposed between base 10 and the tops of channels 12 is a member 13 which extends between said channels and has its ends disposed therein, the same being secured to said channels by screws or nails 14 extending through holes in channels 12 and into member 13. Member 13 preferably is provided with spaced counterbores 13a preferably located at equal distances from the longitudinal center thereof. Another member 16 extends between channels 12 adjacent the tops thereof, the same having its ends disposed in said channels and being secured thereto by screws or nails 17 extending through the sides of

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channels 12 and into said member 16. Member 16 is also preferably provided with counterbores 16a similar to and located similarly to counterbores 13a. While the form of members 13 and 16 might be varied, in the embodiment of the invention illustrated, they are shown as rectangular in transverse section. Members 10, 11 and 12 are preferably made of metal while members 13 and 16 will preferably be of wood. A cover 19 is provided, illustrated as made of sheet material such as heavy cardboard or plywood, and the same has a top portion 19a and vertically extending spaced side portions 19b. Members 20, which preferably will be of wood, are secured to the inner sides of portions 19b respectively in any suitable manner, as by nails, tacks or an adhesive, and members 20 have their lower ends provided with notches 20a of a size to fit snugly over the top of member 16 respectively closely adjacent channels 12, as shown in Fig. 4. Members 20 can be secured to member 16 by nails or screws 21 extending through said parts and extending downwardly through members 20 at an angle into member 16. In forming the package for shipment of said motor a casing 23 is provided which will be made of sheet material such as heavy cardboard or plywood. Casing 23 fits substantially about the sides of base 10 at its lower end and extends upwardly to and encloses the cover 19, said casing being shown as substantially rectangular in transverse cross-section and having flaps 23a at its upper end which are adapted to be folded downwardly and inwardly in superposed relation over the top 19a of cover 19. Said flaps 23a will be suitably secured in position by any suitable means such as an adhesive or by staples.

In the use of the device when the motor illustrated as 25 is to be shipped, it will be disposed in inverted position, as shown in Fig. 2, with its gas tank portion 25a extending into and being surrounded in part by base 10. Said motors are commonly provided with clamping means for securing them to a boat, which clamping means includes a rigid portion 25b and screws 25c having handles 25d at their outer ends and inner heads 25e shown as circular in form. Member 13 will be disposed in the channels 12 so that said clamping means may be clamped thereto and the portions 25e enter and seat in the counterbores 19a respectively. The motor will be further secured to the upper member 16 preferably by having a flexible member 26 extending about its drive shaft housing and also extending over and about member 16. While such member could take various forms, in the embodiment of the invention illustrated, it is shown as a strap having a suitable buckle 26a. The motor is thus very firmly and securely held on the device and the base 10 protects the sides of the portion 25a extending therinto. The cover 19 is now placed in position and secured by the nails 21. The casing 23 can now be placed over the device and the flaps 23a secured in position. The motor is thus very securely held, as stated, and is packed in efficient manner for shipment. When the casing 23 and cover 19 are removed, as they will be when the motor is in the store or other place to be sold or displayed, the boat-clamping means can be released from member 13, the motor placed in upright position as shown in Fig. 1, and the boat-clamping means then clamped to member 16. The head portions 25e will then seat in the counterbore 16a and the motor will be displayed in an effective manner. The device

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comprising base 10 thus forms a display rack as well as a support for the motor during shipment. The device with the motor displayed thereon, as shown in Fig. 1, can be conveniently moved about the floor.

From the above description it will be seen that we have provided a very simple and efficient device for supporting an outboard motor both during shipment and while on display. A novel and very efficient package is also produced for shipping said motor. The device comprising base 10 is ruggedly made out of durable material and can be repeatedly used if desired. The device of course will be suitably finished for its purpose. The device and package have been amply demonstrated in actual practice, found to be very successful and efficient and are being commercially made.

It will of course be understood that various changes may be made in the form, details, arrangement and proportions of the parts, without departing from the scope of applicant's invention, which generally stated, consists in a device capable of carrying out the objects above set forth, in the parts and combinations of parts disclosed and defined in the appended claims.

What is claimed is:

1. A device for supporting a machine such as an outboard motor having in combination, a base of rectangular form in plan thus having side portions, a pair of channel members rigidly secured to and upstanding from the opposite side portions of said base in transverse alignment and in parallel relation and having the channels thereof facing each other, a second member having a vertical width greater than the width of said channels having its ends disposed in said channels and extending therebetween and located between said base and the top of said channels, means securing said second member to said channels and a third member having a vertical width greater than the width of said channels extending between said channels and having its ends disposed therein adjacent the top of said channels, means securing said third member to said channels whereby said motor may be disposed in inverted position in said device with its gas tank end surrounded by said base and its boat-clamping means clamped to said second member, or said motor may be placed in upright position with its boat-clamping means clamped to said third member.

2. The structure set forth in claim 1, an outboard motor secured in inverted position to said second member and a cover having a top and sides carried by said third member and enclosing the top of said motor.

3. A device for supporting a machine such as an outboard motor having in combination, a base in the form of a closed figure and constituting a channel member with its channel at the inner side of said base, brackets rigidly secured at either side of the said base at the outer sides thereof and extending vertically therefrom, channel members rigidly secured respectively to said brackets in transverse alignment and upstanding therefrom and having their channels facing each other, a board-like member secured to said channels having its ends disposed therein and extending therebetween said member having a greater width than the width of said channels, said member being located at an intermediate portion of said channels, and means securing said member to said channels whereby said motor may be placed in inverted position

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with its gas tank portion disposed within said base and its boat-clamping means clamped to said first mentioned member.

4. The structure set forth in claim 3, an outboard motor secured to said board-like member in inverted position a second board-like member secured to said channels having its ends disposed therein and extending therebetween and having a width greater than the width of said channels, and a cover for the upper end of said inverted motor having means secured to said second member.

5. A device for supporting a machine such as an outboard motor comprising boat clamping means of plate-like form having in combination, a base member open at its top, channel members rigidly secured to the opposite sides of said base and extending upwardly therefrom in transverse alinement with their channels facing each other, a member extending between said channels having its ends disposed in said channels and secured thereto and prevented from twisting movement by said channels, said member having spaced counterbores in one side thereof whereby said motor may be disposed in said device in inverted position with its gas tank end and said boat-clamping means clamped to said last mentioned member, and disposed in said counterbores.

6. The structure set forth in claim 5, and a second member extending between said channels having its ends disposed therein and being secured thereto adjacent the upper ends of said channels, said member having spaced counterbores in one side thereof whereby said motor may be disposed in upright position at one side of said members with said boat-clamping means clamped to said second member and disposed in the counterbores therein.

7. A support and package for a machine such as an outboard motor having in combination, a support comprising a base member of general rectangular form in plan, channel members rigidly secured to said base member at opposite sides thereof and extending vertically therefrom in transverse alinement with their channel sides facing each other, vertically board-like spaced members extending between and secured to said channel members and having their ends fitting and disposed therein, an outboard motor disposed in inverted position and clamped to the lower of said board-like members a cover having a top and side portions secured to the upper one of said last mentioned members, and a casing of sheet material substantially fitting about said base and extending to and enclosing said side portions of said cover.

8. A support and package for a machine such as an outboard motor having in combination, a support comprising a base member, channel members rigidly secured to said base member at opposite sides thereof and extending vertically therefrom in transverse alinement with their channel sides facing each other, vertically spaced board-like members having greater vertical width than the width of said channels extend-

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ing between and secured to said channel members and having their ends disposed therein, an outboard motor secured to the lower of said board-like members in inverted position a cover having top and side portions, means securing said side portions to the upper of said vertically spaced members, and a casing of sheet material substantially rectangular in transverse cross section fitting about the said base at its lower end and extending to and enclosing said cover.

9. A device for supporting a machine such as an outboard motor having in combination, a base member open at its top, channel members rigidly secured to the opposite sides of said base and extending upwardly therefrom in transverse alinement with their channels facing each other, a member substantially rectangular in transverse cross section extending between said channels having its ends fitting in and disposed in said channels, means extending through said channel into said last mentioned member for rigidly connecting the same to said channels, whereby said motor may be disposed in said device in inverted position with its gas tank end and its boat-clamping means clamped to said last mentioned member.

10. A device for supporting and displaying an outboard motor and for supporting the same in a shipping package having in combination, a base of substantially rectangular form in plan, channel members rigidly secured to opposite sides of said base and extending vertically therefrom in transverse alinement with their channels facing each other, a member extending between said channels between the top and bottoms thereof having its ends disposed in said channels, means for securing said member rigidly to said channels, a second member extending between said channels at the upper ends thereof and having its ends disposed in said channels, and means securing said second member rigidly to said channels whereby an outboard motor may be disposed in inverted position in said device with its gas tank substantially within said base and its boat clamping means clamped to said second member, or said outboard motor may be placed in upright position with its clamping means clamped to said second member.

CLIFFORD E. SCOTT.
GEORGE W. GERBER.

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
D. 25,730	Whayne	June 30, 1896
1,417,234	Duke	May 23, 1922
1,656,150	Little	Jan. 10, 1928
1,796,176	Witzleb	Mar. 10, 1931
1,913,649	White	June 13, 1933
2,210,162	Boeye	Aug. 6, 1940
2,249,270	Boeye	July 15, 1941