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G. CASTADY

2,924,834

BOATS

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FIG. 1.

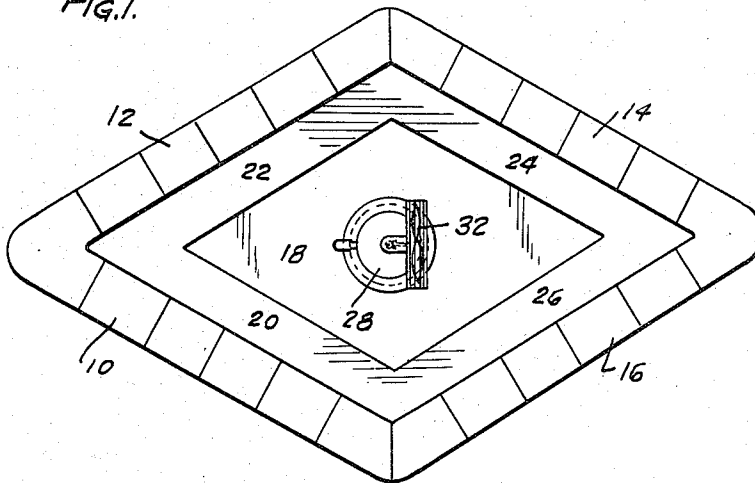


FIG. 2.

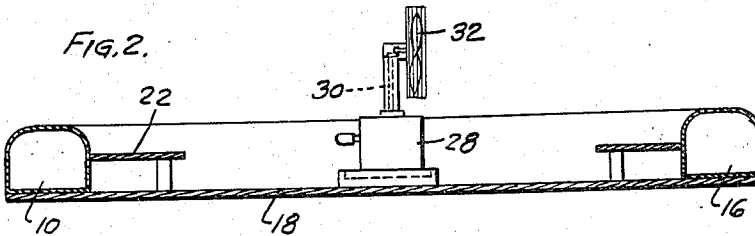


FIG. 3.

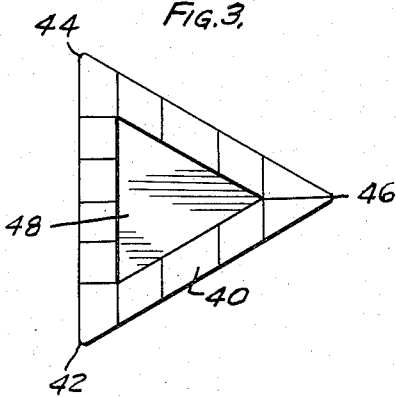
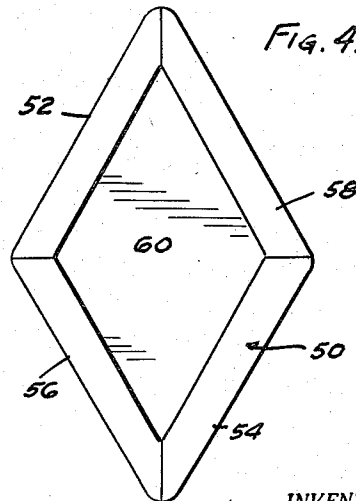


FIG. 4.



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BOATS

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2 Claims. (Cl. 9—2)

My invention relates to improvements in the shape and construction of boats.

The principal object of the present invention is to make an improved boat which has a plurality of pointed ends so that any optional pointed end may be used either as the bow or as the stern of the boat, thereby permitting easier motivation of the boat in the direction desired.

A further object of the invention is to provide an improved boat of the type described which is provided with a motor and propeller centrally disposed thereof so that the direction of force for driving the boat may be changed as desired.

The particular shape of the boat is such that the direction of travel may be easily changed, the boat also being constructed of lightweight metal and provided with a plurality of buoyancy compartments so that it is made much safer than other boats of any other type. A boat of the type described will thus be incapable of either sinking or capsizing, regardless of the roughness of the water in which it is placed.

For a more comprehensive understanding of my invention and the detailed features thereof, reference is had to the accompanying drawing, upon which:

Fig. 1 is a plan view of a boat constructed in accordance with my invention;

Fig. 2 is a generally diagrammatic sectional view thereof taken on the line 2—2 of Fig. 1;

Fig. 3 is a plan view of a triangularly shaped boat constructed in accordance with my invention; and

Fig. 4 is a plan view of a diamond shaped boat.

In the embodiment of the invention which I have chosen to illustrate and describe the same, in Fig. 1 I have shown a boat which is generally diamond shaped and has buoyancy compartments throughout each of the side walls 10, 12, 14 and 16. The compartments may be attached at their lower sides to a floor 18 made of sheet metal or other suitable material. Each compartment has vertical side walls and a flat top wall, as clearly shown in the drawings (Fig. 2). A row of seats 20, 22, 24 and 26 may be fastened to and aligned with each of the side walls of the boat. The side walls of the boat may be made without separate compartments. By that I mean the entire peripheral side walls may be one continuous buoyancy compartment of the same cross-section as shown in Fig. 2. The side walls 10, 12, 14 and 16 can be made without compartments.

Medially of the boat I mount a suitable motor 28 provided with an upright drive shaft 30 for driving a propeller 32. The propeller 32 is enclosed in a screen to prevent injury to occupants of the boat. The motor 28 is mounted upon a suitable base so that it may be

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rotated and by means of this action the propeller may be used to drive the boat in any direction desired. With the boat formed with four pointed ends as shown, any end may be used as the bow or stern of the same, so that it is easy to direct the boat and also to drive it on the surface of the water.

In Fig. 3 I have shown a triangularly shaped boat 40 which is provided with three side walls of equal length terminating in the three pointed ends 42, 44 and 46. The boat may be constructed in any desired manner with buoyancy compartments therein and a floor 48 upon which the occupant may stand or sit. The side walls are preferably buoyancy compartments similar to those shown in Figs. 1 and 2.

In Fig. 4 I have shown a boat 50 which has the parallel side walls 52 and 54 and diagonally directed opposite walls 56 and 58. These walls are also hollow and filled with buoyancy compartments so that the same will float, and in use it can be pointed in any direction desired so that progress will be more easily made.

The boats shown in Figs. 3 and 4 may be of any desired size, and in a smaller size can be used as water skis, or lifeboats capable of holding a single person. They can also be made as large as desired.

I claim:

1. A boat having a flat sheet metal floor, side walls, each of said side walls formed of a peripheral row of adjacent buoyant compartments fastened above said floor along the side edges of the same, said compartments having vertical parallel side walls and a flat top wall, said compartments and said floor in the shape of a diamond whereby said boat is formed with four pointed ends, a row of seats along the inside edge of said compartments, a motor mounted centrally of said boat, an air propeller driven thereby and means for rotating said motor and propeller on said floor to point said propeller in any desired direction.

2. A boat having a flat sheet metal floor, side walls, each of said side walls formed of a peripheral row of adjacent buoyant compartments fastened above said floor along the side edges of the same, said compartments having vertical parallel side walls and a flat top wall, said compartments and said floor in the shape of a diamond whereby said boat is formed with four pointed ends, a row of seats along the inside edge of said compartments, a motor mounted centrally of said boat, an air propeller driven thereby and means for rotating said motor and propeller on said floor to point said propeller in any desired direction, said boat having all four walls equal in length and opposite angles equal.

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