This invention relates to model boats.

It is an object of the present invention to provide a model boat which will pitch and roll in a realistic manner.

It is another object of the present invention to provide a model boat of the above type including a fabric ocean simulating covering surrounding the boat which will vibrate as the boat pitches and rolls in a realistic manner.

Other objects and a better understanding of the invention, reference may be had to the following description taken in connection with the accompanying drawings, in which:

Figure 1 is a side view shown partly in elevation and partly in section of a preferred embodiment of the present invention;

Fig. 2 is a fragmentary vertical sectional view taken along the line 2-2 of Fig. 1;

Fig. 3 is a fragmentary vertical sectional view taken along the line 3-3 of Fig. 4; and

Fig. 4 is a horizontal sectional view taken along the line 4-4 of Fig. 1.

Referring now more in detail to the drawings, 10 represents a rectangular bottom wall to which are secured the end walls 11 and side walls 12 to form an enclosure.

An electric motor 13 is mounted on the bottom wall 10 by means of the clamps 14, the motor 13 being positioned near the front end of the enclosure to one side, as shown in Fig. 4. The motor 13 includes the drive shaft 15 on which is mounted an eccentric 16. A battery 17 is mounted on the bottom wall 10 at the other side thereof and supplies current to the motor 13 through the conductors 18 and 19. A combination rheostat and switch 20 is connected in series with the battery 17 and motor 13 and includes an external, manually operable knob 21, the combination rheostat and switch 20 being mounted on the inner face of the end wall 11 near the battery 17.

A top wall 22 is secured across the upper edges of the end walls 11 and side walls 12 and is provided with a central opening 23 within which is positioned in freely spaced relationship thereto a model ship indicated generally at 24 and having a hull 25. The interior of the model ship 24 is hollow and is provided with suitable electric illuminating means, not shown, which will be visible through the port holes 26 thereof. As shown in Fig. 1, the hull 25 is provided with a vertically elongated slot 27 which extends therethrough and to which extends a pin or shaft 28 which is supported at its ends on the pillars 29 secured to the bottom wall 10. It will be noted that the forward end of the hull 25 on the under-surface thereof rests on the eccentric 16. A pair of pillars 30 or guides are provided on opposite sides of the hull 25 near the center thereof, the pillars 30 being secured to the bottom wall 10. It will be apparent that upon operation of motor 13 and the rotation of the eccentric 16, the boat 24 will pitch in the direction of the arrow of Fig. 1 about the shaft 28.

In order to impart a roll to the ship, a supporting block 31 is secured to the bottom wall 10 forwardly of one of the pillars 30 (Fig. 4) and includes a downwardly and inwardly inclined upper edge 32 on which rests the bottom of hull 25. A second block 33 is secured to the bottom wall 10 near the rear of the hull on the opposite side thereof and is adapted to cooperate with the mounting block 31 upon pitching of the boat to impart the roll thereto in the direction of the arrow of Fig. 2.

Due to positioning of blocks 31 and 33 and their supporting edges relative to the hull, a unique rolling motion is imparted to the ship as it pitches under the action of eccentric 16.

A fabric 34 is secured to the sides of the hull 25, and to the upper edges of the end walls 11 and side walls 12, the fabric 34 being colored so as to simulate the appearance of the sea. Thus, the fabric 34 will also vibrate in a realistic manner as the boat pitches and rolls.

While various changes may be made in the detail construction, it shall be understood that such changes shall be within the spirit and scope of the present invention as defined by the appended claims.

Having thus set forth and disclosed the nature of my invention, what is claimed is:

1. An article of the class described comprising a hollow casing, a model boat positioned within said casing, said model boat extending upwardly above the top of said casing in freely spaced relationship thereto, and electric means for imparting an oscillating movement to said model within said casing, said electric means comprising an electric motor means mounted within said casing, means for supplying current to said electric motor means, and switch means operable from outside of said casing connected in series with said motor and eccentric on a drive shaft of said motor, the bottom of said model and the front thereof resting on said eccentric, a pair of oppositely disposed supports mounted within said casing on opposite sides of said model, a transverse pin and the ends thereof supported on said supports, said model having a vertically elongated slot therethrough receiving said pin therethrough, a first mounting block within said casing having a downwardly and inwardly inclined upper edge supporting the bottom of said model near the center thereof, and a second mounting block disposed oppositely of said first mounting block and supporting the rear of said model whereby to impart a rolling motion to said model as it pitches about said pin.

2. An article according to claim 1, including a fabric covering secured to said model and to said casing and simulating the appearance of the sea and vibrating in harmony with said model.

3. An article according to claim 2, said switch means comprising a combination rheostat and switch, said model being hollow and electric lamp means within said model.

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