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H. UBERTO

AQUATIC AMUSEMENT DEVICE

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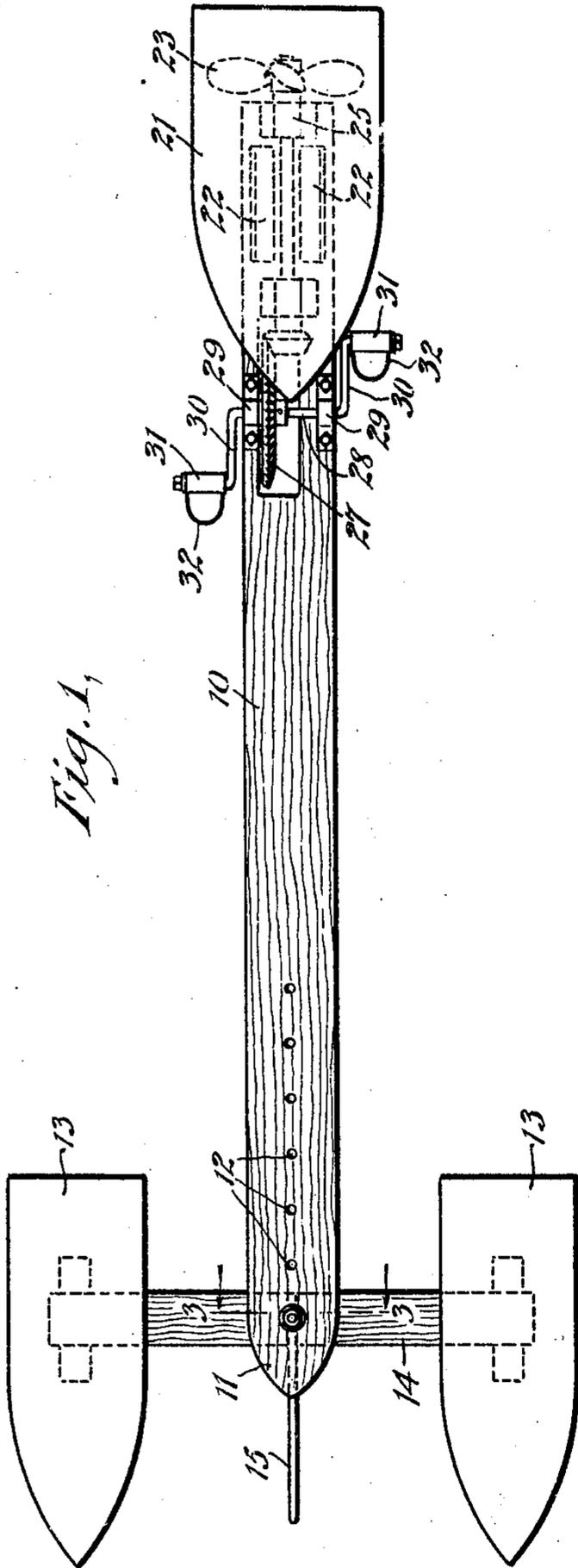


Fig. 1,

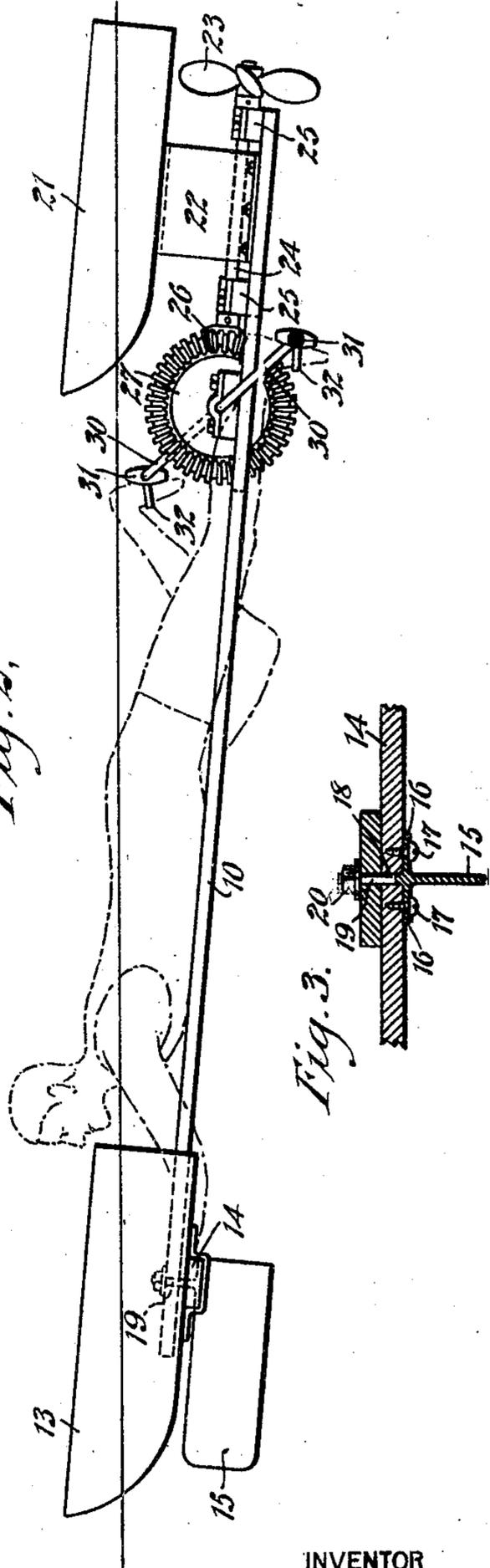


Fig. 2,

Fig. 3.

WITNESSES  
*Edw. Thorpe*  
*Hugh N. Ott*

INVENTOR  
*Henry Uberto*  
 BY *Munroe*  
 ATTORNEY

# UNITED STATES PATENT OFFICE.

HENRY UBERTO, OF NEW YORK, N. Y.

AQUATIC AMUSEMENT DEVICE.

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This invention relates to aquatic amusement devices and has particular reference to a craft for supporting an operator in the water and provided with means by virtue of which the operator may propel and steer the same.

One of the objects of the present invention is to provide a craft of the character set forth which is supported by buoyant elements or floats so arranged as to positively preclude accidental upsetting thereof.

As a further object the invention comprehends an aquatic sport craft which is capable of adjustment to render the same adaptable to users or operators of different heights.

The invention furthermore comprehends a device of the character described, including a flat, elongated member having laterally spaced buoyant supporting elements at the forward end, dirigibly and adjustably connected with said member and carrying a rudder and having a rigidly attached buoyant supporting element together with foot-propelled propulsion means at the rear end.

Other objects of the invention reside in the simplicity of construction and mode of operation, the economy with which the same may be manufactured, and the general efficiency derived therefrom.

With the above recited and other objects in view, reference is had to the following description and accompanying drawings in which there is exhibited one example or embodiment of the invention, while the appended claims define the actual scope of the invention.

In the drawings—

Figure 1 is a top plan view of the device;

Fig. 2 is a side elevation of the same in use;

Fig. 3 is an enlarged transverse sectional view taken approximately on the line 3—3 of Fig. 1.

Referring to the drawings by characters of reference, 10 designates a substantially flat elongated member in the nature of a surf board, the forward end 11 of which is pointed to reduce resistance offered to the water by the movement of the member therethrough. Adjacent the forward end, the member 10 is provided with a plurality of longitudinally spaced openings 12. A pair of buoyant elements or floats 13 are supported by the opposite ends of a cross arm 14. Medially the cross arm is provided with

a depending forwardly projecting rudder 15 having laterally projecting ears 16, through which screws or other fastening elements 17 extend, the screws being anchored in the cross arm 14. Projecting upwardly through an opening 18 in the cross arm, is a stud 19, which is adapted to be selectively inserted through one of the openings 12, after which a nut 20 is threaded on the upwardly projecting end of the stud. This connects the cross arm 14 to the forward end of the member 10 for turning movement and at the same time affords a buoyant support for the forward end of the member 10. At its rear end the member 10 has rigidly supported from its upper surface a buoyant element or float 21 by means of a bracket 22, which preferably spaces the buoyant element or float 21 above the rear end. This arrangement of buoyant elements or floats supports the member 10 at an upward and forward inclination slightly below the surface of the water, whereby vertical movement of the device tends to exert a lift somewhat in the nature of a surf board.

A propeller 23 is secured to a longitudinal shaft 24 mounted in bearings 25 on the upper surface of the rear end of the member 10, the propeller being disposed directly in rear of the rear end of the member 10. The forward end of the shaft 24 has secured thereto a bevel pinion 26, which meshes with a bevel gear 27 keyed to a transverse crank shaft 28 mounted in bearings 29 on the upper surface of the member 10. The crank shaft is provided with diametrically projecting cranks 30 having pedals 31. The pedals 31 are provided with loops 32 in which the feet of the operator are adapted to be engaged for turning the crank shaft to propel the craft.

In use and operation, the operator lies prone on the member 10 with the stud 19 of the cross arm engaged in the opening 12 which best suits his height. The operator grasps the cross arm 14 between the floats and the member 10 in order that the floats and rudder 15 may be turned to steer the craft.

What is claimed is:

1. An aquatic amusement device, including a flat elongated member, a cross arm turnably carried by the forward end of said member, buoyant elements at the opposite ends of the cross arm, a buoyant element at the rear of said member, the latter buoyant

element being spaced relatively above the forward buoyant element whereby to dispose the device at an upward and forward inclination beneath the surface of the water, propulsion means at the rear end of the device 5 having foot-operated pedals, a rudder carried by the cross arm and turnable therewith, and means for turnably connecting the cross arm and forward buoyant elements 10 at longitudinally spaced points with respect to said member, whereby to compensate for variation in the heights of the users.

2. An aquatic amusement device, including a flat elongated member, a cross arm

turnably carried by the forward end of said member, buoyant elements at the opposite ends of the cross arm, a buoyant element at the rear of said member, propulsion means at the rear end of the device having foot-operated pedals, a rudder carried by the cross arm and turnable therewith, and means for turnably connecting the cross arm and forward buoyant elements at longitudinally spaced points with respect to said member, whereby to compensate for variation in the heights of the users. 15 20 25

HENRY UBERTO.