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APPARATUS FOR NAUTICAL SPORTS

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FIG. 1-

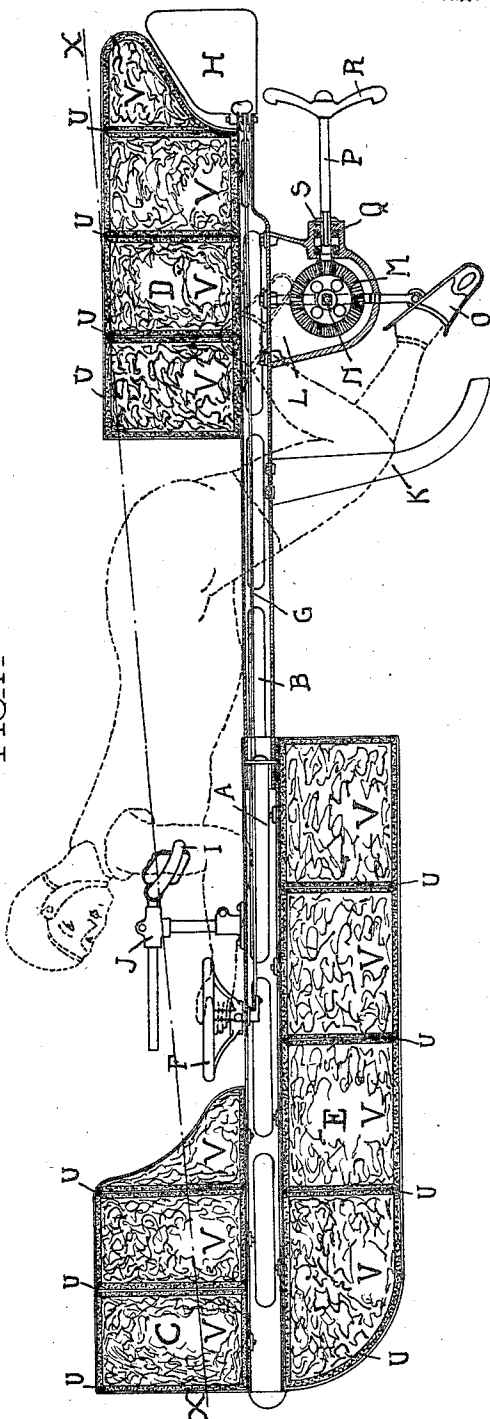
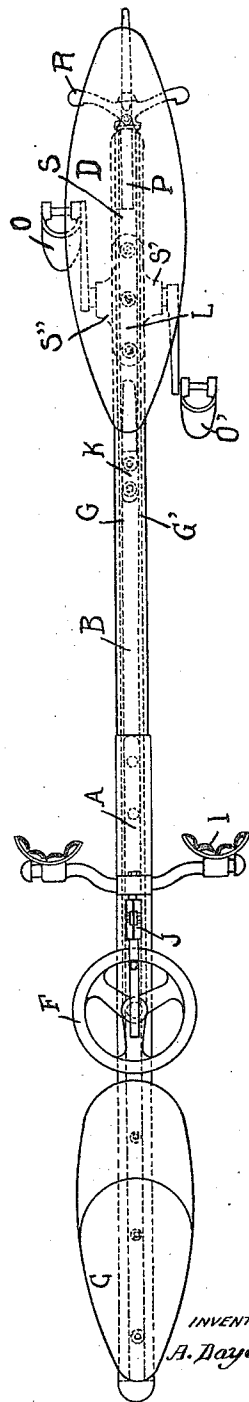


FIG. 2-



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APPARATUS FOR NAUTICAL SPORTS.

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This invention relates to an apparatus for nautical sports which is entirely insubmersible, and by its use all persons even though unable to swim, can bathe in the sea or rivers 5 irrespectively of the depth of the bottom, and may travel at speeds attaining 15 kilometers an hour.

If necessary, the said apparatus may be provided with a small internal combustion 10 engine or a compressed air motor.

The accompanying drawing, given as an example shows one of the forms in which this invention is carried out.

Fig. 1 is an elevational view of the apparatus. 15

Fig. 2 is the corresponding plan view.

The apparatus comprises a main beam consisting of aluminium and made in two parts A and B, the rear part B telescoping 20 in the front part A, so that the length of the apparatus can be adjusted to the person employing the same.

The front part of the main beam A comprises a float consisting of copper or aluminium C which is divided into three watertight compartments by means of the cork walls U, the device being filled with kapok 25 fibre V.

To the rear part of the main beam B is secured a copper or aluminium float D which, 30 in the same manner as the float C, is divided into watertight compartments by means of the cork walls U, with the kapok filling V. Below the front beam A is disposed a combined float and keel E which serves to prevent the apparatus from travelling towards 35 the open sea during bad weather.

In the same manner as the floats C and D, the float E consists of watertight compartments formed by means of the cork walls U, 40 the whole being filled with the kapok fibre V.

The front beam A is provided with a steering wheel F which controls two rods G and G' actuating the rudder H. 45

A supporting arm I is engaged in a bracket J which is mounted on the front beam A, and the said arm is adjusted according to the height and the length of the arms of the 50 user.

Below the main beam B is mounted the landing skid K. At the rear part of the beam B, and below the float D is mounted the mechanical power transmission device, 55 comprising the aluminium casing L contain-

ing the large bevel gear wheel M which is keyed to a shaft N upon which are mounted the pedals O and O'. A pinion P provided with a shank, which is mounted in the thrust ball bearings Q, actuates the propeller R 60 whereby the apparatus is caused to travel. The aluminium casing L is made watertight by the stuffing boxes S, S' S''.

The operation of the said apparatus is as follows: 65

The water level is shown by the line X—X, and the apparatus assumes the position shown in Fig. 1. The swimmer's body is partly submerged, and he bears with his shoulders against the supports I and J, and 70 places his feet upon the pedals O and O', which are provided with foot supports. He grasps the steering wheel F with the hands, and propels the pedals by a rotary motion with his feet. 75

The length of the apparatus can be adjusted in accordance with the person's body.

All the rotating parts are mounted by means of ball bearings, these being extended 80 in the casing by stuffing boxes.

The apparatus is made in two parts.

All of the said pieces are removable and interchangeable, so that they may be replaced and cleaned with facility.

Obviously, the said apparatus which is described by way of example is susceptible of 85 various modifications in its construction, as well as of various changes in the details.

On the other hand, for the elements herein disclosed by way of example I may substitute 90 other elements answering the same purpose.

I claim:

1. A swimming device comprising an adjustable main beam watertight compartment 95 positioned thereon, propelling means associated with said beam, a rudder attached to the rear of said beam, controlling mechanism for operating said rudder and adjustable arm supports mounted on said beam. 100

2. A swimming device comprising an adjustable main beam, a rudder secured to said beam, a rudder control mechanism for operating said rudder, propelling means associated with said beam, adjustable arm supports 105 mounted on said beam and in proximity to said controlling mechanism, a skid mounted in the under side of said beam and forward of said propelling means.

3. A swimming device comprising an ad- 110

justable main beam, a plurality of water tight compartments positioned on the front and rear of said main beam, propelling means located on the underside of said main beam and at the rear end thereof, a rudder 5 attached to the rear end of the said main-beam, controlling mechanism for operating said rudder located forward of said rudder, adjustable arm supports mounted on said main beam and positioned in proximity to 10 said controlling mechanism and adapted to receive the arms of a swimmer whereby said swimmer may operate said controlling mechanism.

In testimony whereof he has affixed his 15 signature.

ALPHONSE DAYDÉ.