

No. 839,672.

PATENTED DEC. 25, 1906.

J. STUB.
SWIMMING MACHINE.
APPLICATION FILED SEPT. 22, 1906.

Fig. 1.

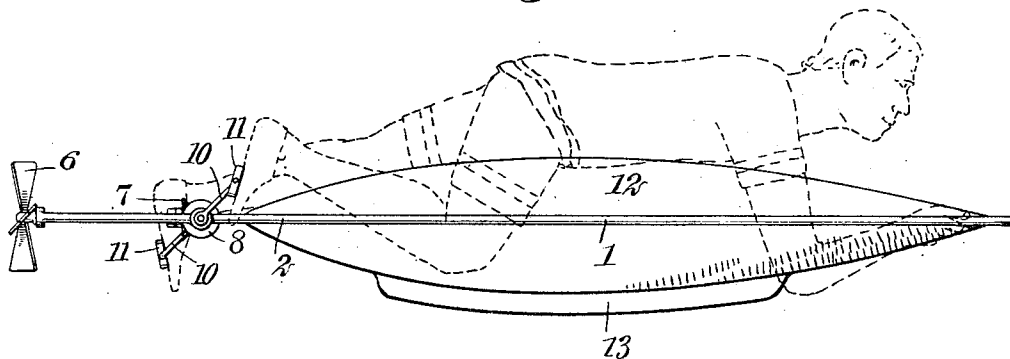
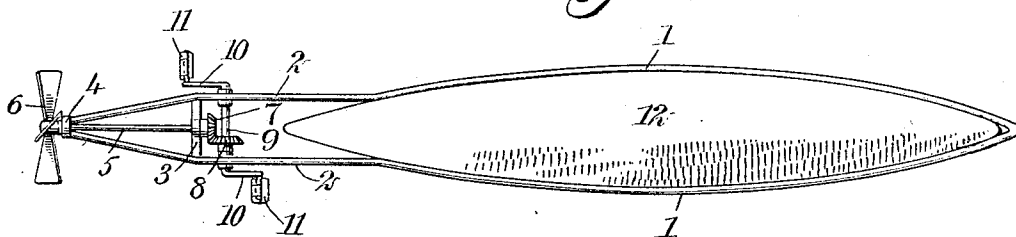


Fig. 2.



WITNESSES

L. Empord Handu
W. H. Holt

INVENTOR

John Stub
BY *Munn & Co*
ATTORNEYS

UNITED STATES PATENT OFFICE.

JOHN STUB, OF NEW YORK, N. Y.

SWIMMING-MACHINE.

No. 839,672.

Specification of Letters Patent.

Patented Dec. 25, 1906.

Application filed September 22, 1906; Serial No. 336,733.

To all whom it may concern:

Be it known that I, JOHN STUB, a citizen of the United States, and a resident of the city of New York, borough of Brooklyn, county of Kings, and State of New York, have invented a new and Improved Swimming-Machine, of which the following is a full, clear, and exact description.

This invention is an improved swimming-machine of such construction as to be capable of easy and safe operation and acting when propelled to rapidly drive the swimmer in the water.

One embodiment of the invention consists of a frame of tubular construction having a pointed forward end between which is fixed a float comprising a hollow body conforming to the frame and which in the preferred form of invention is shaped like a cigar. The machine is provided with a keel fixed to the float to prevent it from overturning and also provided with suitable propelling means journaled in the rear end of the frame.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in both the figures.

Figure 1 is a side elevation of my improved machine, showing the position assumed by a swimmer thereon in dotted outline; and Fig. 2 is a plan view of the machine.

The invention comprises a frame 1, preferably constructed of tubing, the forward portion of which is bent into substantially the shape of a narrow ellipse with a forward pointed end and a rear end extension lying in the same horizontal plane and of contracted width composed of parallel portions 2, connected by a cross-bar 3, thereafter converging into a pointed extremity or bearing 4 at the stern end of the machine. Journaled in the bearing 4 and cross-bar 3 is a short longitudinal shaft 5, having a propeller 6 fixed to its outer end and a bevel-gear 7 fixed to its inner end, in mesh with a similar bevel-gear 8, fixed to a crank-shaft 9. The crank-shaft 9, as best shown in Fig. 2, is journaled in the frame transversely of the parallel portions 2 and carries at each extremity

a crank 10, on which pedals 11 are revolvably mounted.

Fixed to the frame in the elliptical portion thereof and exactly conforming thereto is a hollow body 12, forming a non-collapsible float to buoyantly support the machine and operator on the surface of the water. This float, as shown, is cigar-shaped to reduce the resistance of the water to a minimum and carries at its bottom side a heavy keel 13, acting to prevent the machine from overturning.

In the operation of the machine the swimmer outstretches himself upon and facing the float, with his feet on the pedals, as disclosed in dotted outline in Fig. 1. By now working the pedals the machine may be caused to move in either direction, according to the rotation of the propeller, and the hand of the swimmer may be used in guiding the machine in its movement.

The precise embodiment of the invention is not material provided its essential characteristics are employed as pointed out in the annexed claims.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. In a swimming-machine, a frame constructed of tubing with the forward portion thereof bent into the form of a narrow ellipse, a float fixed within the frame between the elliptical portion adapted to buoyantly support the swimmer in an outstretched position, and propelling means journaled near the rear end of the frame and operable by the feet of the swimmer.

2. In a swimming-machine, a frame composed of tubing bent into the form of a narrow ellipse with a rear end extension, a float contained within and fixed to the elliptical portion of the frame, adapted to buoyantly support the swimmer thereon in an outstretched position, and propelling means operable by the feet of the swimmer journaled in said extension.

3. In a swimming-machine, a frame composed of tubing shaped to the form of a narrow ellipse with a rear end extension lying in the same horizontal plane, a cigar-shaped

float contained within and fixed to the elliptical portion of the frame adapted to buoyantly support the swimmer thereon in an outstretched position, and propelling means
5 operable by the feet of the swimmer journaled in said extension.

In testimony whereof I have signed my

name to this specification in the presence of two subscribing witnesses.

JOHN STUB.

Witnesses:

EVERARD B. MARSHALL,
PHILIP D. ROLLHAUS.