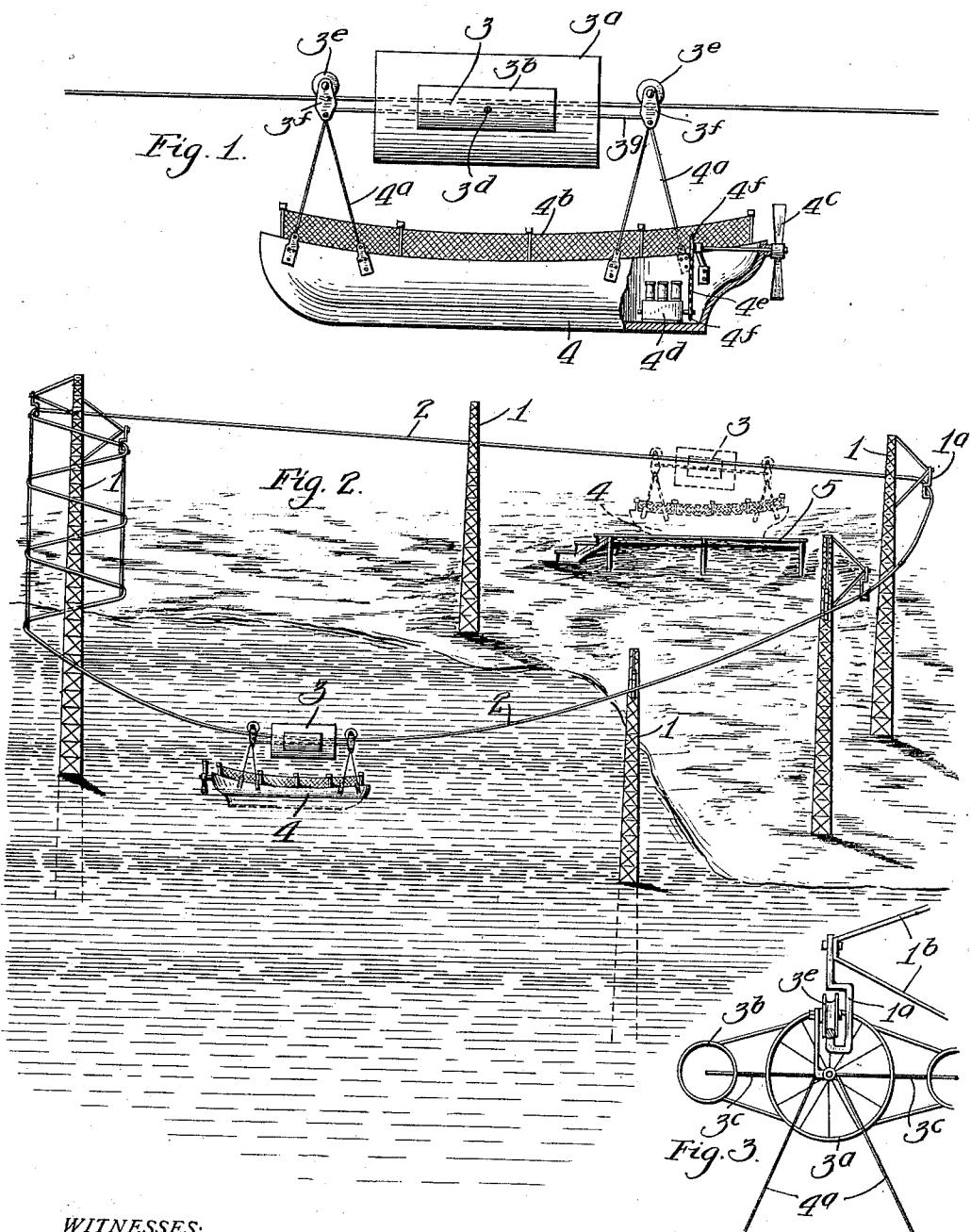


H. M. SMITH,  
CABLE OR TRACK CONTROLLED HYDROAEROPLANE,  
APPLICATION FILED OCT. 16, 1911.

1,030,024.

Patented June 18, 1912.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

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## CABLE OR TRACK CONTROLLED HYDROAEROPLANE.

1,030,024.

Specification of Letters Patent. Patented June 18, 1912.

Application filed October 16, 1911. Serial No. 654,848.

To all whom it may concern:

Be it known that I, HARVEY M. SMITH, a citizen of the United States, and a resident of San Diego, in the county of San Diego and State of California, have invented certain new and useful Improvements in Cable or Track Controlled Hydroaeroplanes, of which the following is a specification.

My invention relates to water and aerial scenic railway apparatus for captive or self propelled hydro-aeroplanes for amusement purposes, and the objects are, first, to provide a simple, economically constructed and safe amusement device; second, to provide means for controlling and guiding a water and air craft, of the class described.

With these and other objects in view as will appear, my invention consists of certain novel features of construction, combination and arrangement of parts as will be hereinafter described in detail and particularly set forth in the appended claims, reference being had to the accompanying drawings, and to the characters of reference 25 thereon, which form a part of this specification in which:—

Figure 1 is a side elevational view of my hydro-aeroplane shown mounted on a cable or track, and showing parts broken away for further facilitating the illustration thereof, Fig. 2 is a perspective view showing the construction of the track and showing the hydro-aeroplane mounted thereon, and in position in the water, and Fig. 3 is a detail view showing the means for supporting the cable, and the means for suspending the machines on said cable.

Similar characters of reference refer to similar parts throughout the several 40 views:—

In the drawings, numeral 1 represents the supports upon which the cable or track is mounted, 2 represents said cable or track, 3 my aeroplane, 4 the boat and passenger portion in connection with the aeroplane, and 5 the platform upon which the aeroplane starts and stops. The aeroplane portion of my hydro-aeroplane is constructed of three cylinders disposed side by side and spaced apart, a main or large central one 3<sup>a</sup> and a smaller one 3<sup>b</sup> on either side thereof. These smaller ones 3<sup>b</sup> are connected to the larger one 3<sup>a</sup>, by means of planes 3<sup>c</sup>. These cylinders are pivotally mounted at 3<sup>d</sup> so as 55 to allow of their being operated if it is de-

sired to take a portion of the weight off of the cable. This aeroplane is supported by means of rollers 3<sup>e</sup>, one in the front and one in the rear of said aeroplane, which are connected to brackets 3<sup>f</sup> upon which is mounted a bar 3<sup>g</sup> which extends through and supports said cylinders. Connecting with brackets 3<sup>f</sup> are bars 4<sup>a</sup>, which extend downwardly and support the boat 4. This boat is of the ordinary shape and is provided around its top edge with a netting 4<sup>b</sup> so as to prevent the passengers from falling overboard. Near the top of the bed 4 is provided a propeller 4<sup>c</sup> which is adapted to operate in the air and if desired, it may be so placed that the ends of the blades will extend into the water to further facilitate its propelling power. This propeller is operated by means of engine 4<sup>d</sup> in connection with chain 4<sup>e</sup> and sprockets 4<sup>f</sup>. The track or cable 2 is mounted on downwardly extending supports 1<sup>a</sup>. Said supports 1<sup>a</sup> are mounted upon brackets 1<sup>b</sup>, which are mounted upon the supports 1. The platform 5 is of a suitable height so that the boat 4 rests upon it when not in use.

It will be noted that the track may be constructed so that the hydro-aeroplane will make several circuits around one of the supports as shown best in Fig. 2, then passes down gradually until the boat part rests on the water and then rises gradually therefrom to the platform.

Though I have shown and described a particular construction of track, supports and hydro-aeroplanes, I do not wish to be limited to this particular construction, but desire to include in the purview of my invention, the construction and arrangement substantially as set forth in the appended claims.

It is obvious that I have provided a simple and easily constructed amusement device that is perfectly safe, durable and easily operated; that provides both aerial and water crafts for amusement purposes.

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

1. In a cable or track controlled hydro-aeroplane, the combination of a plurality of supports, extended brackets mounted thereon, a track mounted on said brackets, rollers mounted on said track, an aeroplane composed of three cylindrical members

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mounted side by side and spaced apart, mounted on said rollers, and a boat attached to said rollers and suspended thereon below said track adapted to travel along said 5 track and in the water adjacent thereto, all substantially as set forth.

2. In a cable or track controlled hydro-aeroplane, the combination of a plurality of supports provided with extended 10 brackets, downwardly extending brackets mounted on said before mentioned brackets, a cable mounted on said latter mentioned brackets, rollers mounted on said cable adapted to travel thereon, a hydro-aeroplane having three cylindrical members mounted side by side and spaced apart, 15 mounted on said rollers, and a means for propelling said hydro-aeroplane along said cable, all substantially as set forth.

3. In a cable or track controlled hydro-aeroplane, the combination of an aeroplane composed of three cylindrical members mounted side by side and spaced apart, 20 planes to fit said spaces, a frame supporting said cylinders, rollers mounted on a cable or track adapted to travel thereon supporting said frame, a boat suspended from said 25 rollers, a means for supporting said track or cable, and a platform adapted for said boat when not in operation, all substantially as set forth.

4. In a cable or track controlled hydro-aeroplane, the combination of an aeroplane composed of three cylindrical members 30 mounted side by side and spaced apart, 35

planes to fit said spaces, a frame supporting said cylinders, rollers mounted on a cable or track adapted to travel thereon, supporting said frame, and a boat adapted for passengers and to float in the water suspended from said rollers, all substantially as set forth.

5. In an amusement device, the combination of a power-propelled hydro-aeroplane, having three cylindrical members spaced 40 apart side by side, planes to fit said spaces, a cable upon which said hydro-aeroplane is mounted and a plurality of supports adapted to support said cable, all substantially as set forth.

6. An amusement device, comprising a plurality of supports provided with extended brackets, downwardly extending brackets mounted on said before mentioned brackets, a cable rigidly mounted on said latter mentioned brackets, a hydro-aeroplane having three cylindrical members spaced apart and suspended on said cable by means of rollers, planes to fit said spaces, a boat suspended from said rollers and a power means mounted therein adapted to propel said hydro-aeroplane along said cable, all substantially as set forth.

In testimony whereof, I hereunto subscribe my name in the presence of two sub- 55 scribining witnesses.

HARVEY M. SMITH.

Witnesses:

ABRAM B. BOWMAN,  
ELMER E. RODABAUGH.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."