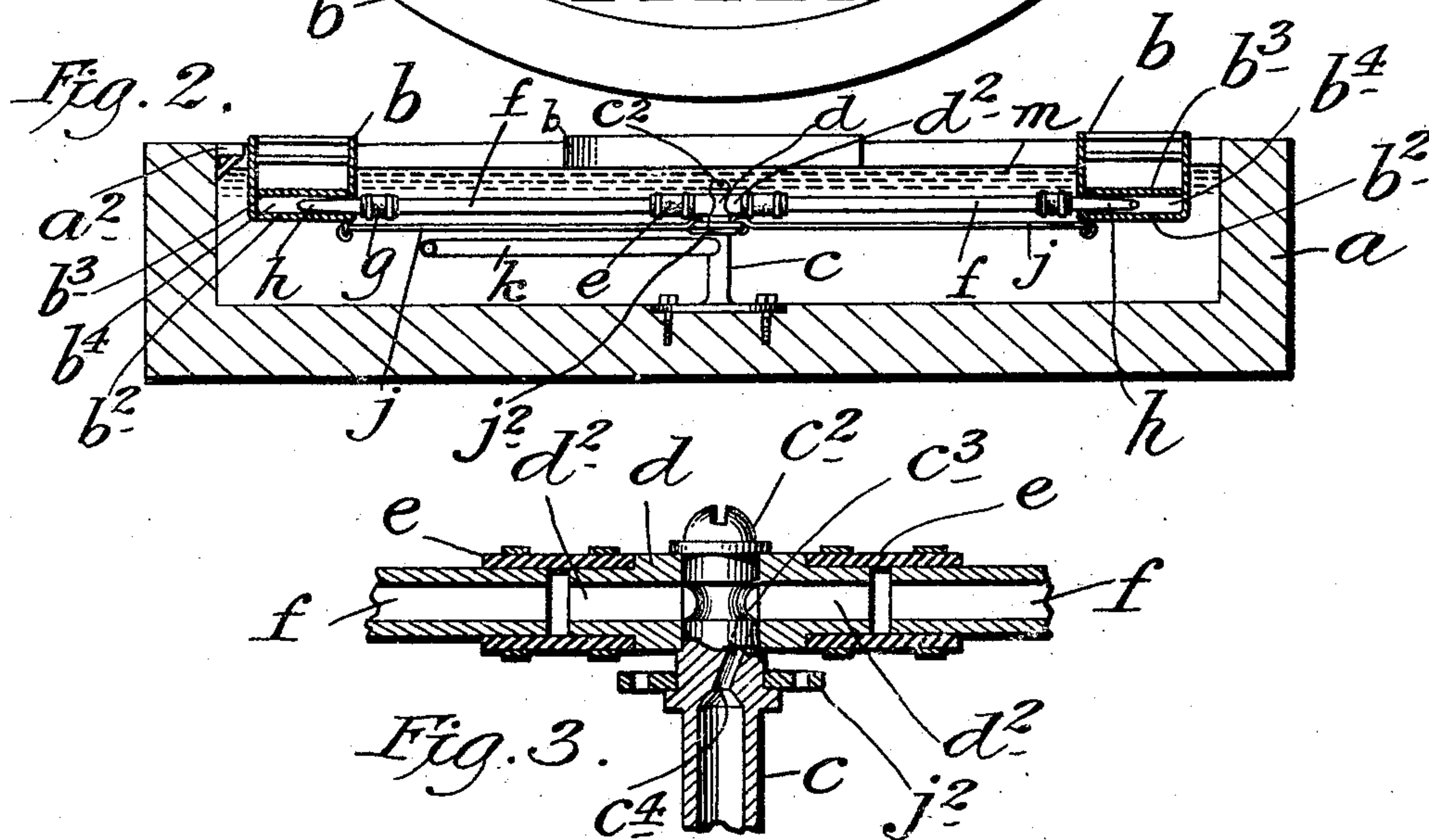
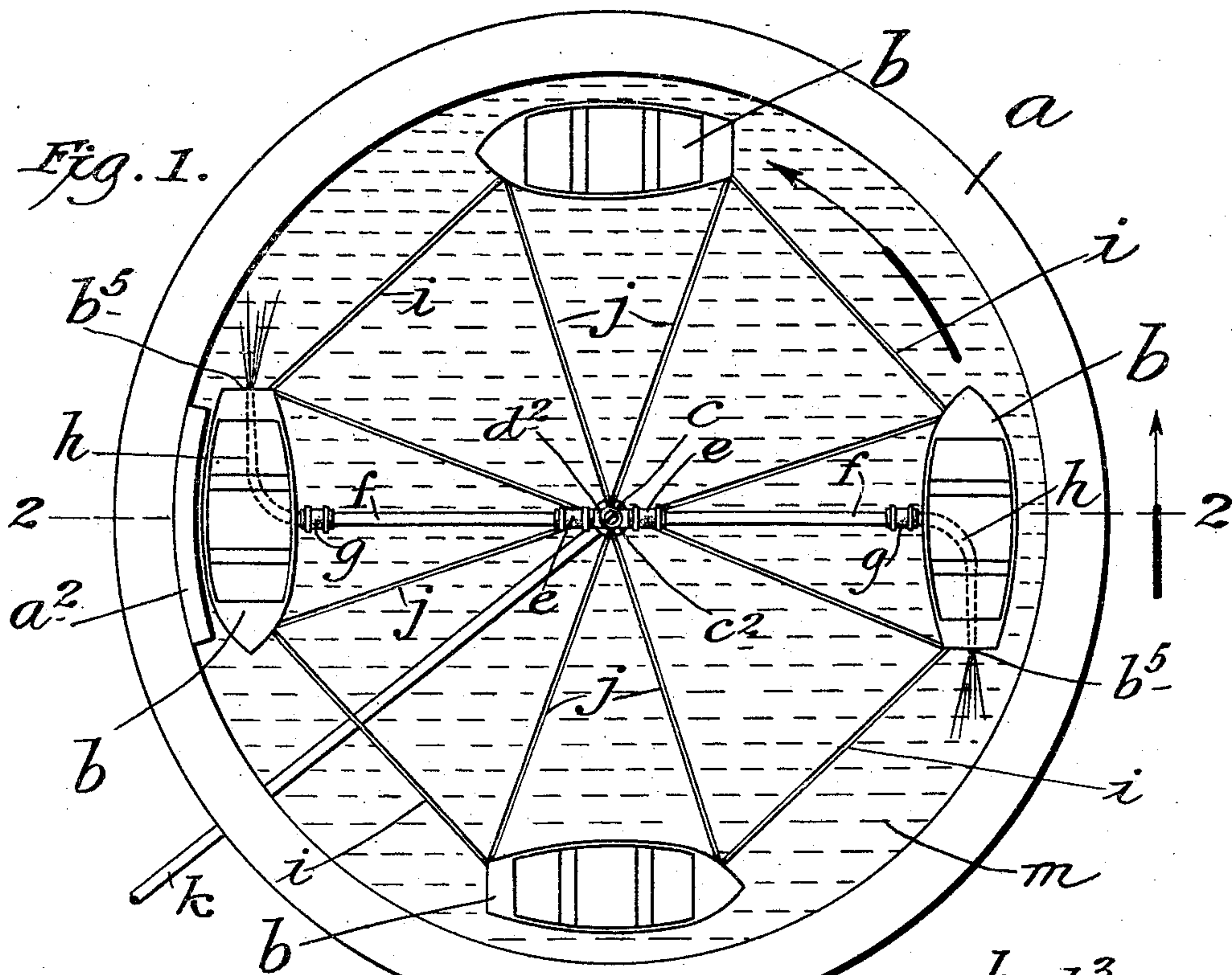


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AMUSEMENT APPARATUS.  
APPLICATION FILED SEPT. 21, 1908.

929,130.

Patented July 27, 1909.



WITNESSES  
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# UNITED STATES PATENT OFFICE.

THORE HELLIESEN, OF BROOKLYN, NEW YORK.

## AMUSEMENT APPARATUS.

No. 929,130.

Specification of Letters Patent.

Patented July 27, 1909.

Application filed September 21, 1908. Serial No. 453,991.

*To all whom it may concern:*

Be it known that I, THORE HELLIESEN, a citizen of the United States, and residing at Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Amusement Apparatus, of which the following is a specification, such as will enable those skilled in the art to which it appertains to make and use the same.

This invention relates to amusement apparatus for use at summer resorts and other places, and the object thereof is to provide an improved amusement apparatus of the class known as water merry-go-rounds; and with this object in view the invention consists in an apparatus of the class specified constructed as hereinafter described and claimed.

The invention is fully disclosed in the following specification, of which the accompanying drawing forms a part, in which the separate parts of my improvement are designated by suitable reference characters in each of the views, and in which;—

Figure 1 is a plan view of my improved amusement apparatus, Fig. 2 a section on the line 2—2 of Fig. 1, and;—Fig. 3 a section on the same line as Fig. 2 but showing only the central part of the apparatus and showing it on an enlarged scale.

In the practice of my invention, I provide a tank *a* which is preferably circular in form and which may be constructed in any desired manner and of any preferred size, and at one side of which is a stage or platform *a*<sup>2</sup>. Within the tank *a* is placed a plurality of boats *b* which, in the construction shown, are four in number, and in the center of the tank and secured to the bottom thereof is a tubular standard *c* on the top portion of which is mounted a rotatable coupling head *d* which is held thereon by a nut or other suitable device *c*<sup>2</sup>, and the top portion of the standard *c* is solid and provided with an annular groove *c*<sup>3</sup>, and the coupling head *d* is provided with radial tubular couplings *d*<sup>2</sup> which communicate with said groove.

In the construction shown two of the tubular couplings *d*<sup>2</sup>, are shown and connected with each by means of a flexible sleeve *e* is a tube *f*, and these tubes extend radially of the standard *c*. The boats *b*, in the form of construction shown, are provided each with a main bottom *b*<sup>2</sup> and a false bottom *b*<sup>3</sup> between which is a space *b*<sup>4</sup>, and connected with the outer ends of the tubes *f* by means of

flexible sleeves *g* are curved tubes *h* which pass into the spaces *b*<sup>4</sup> of the boats *b* and backwardly and through the stern walls of said boats as shown at *b*<sup>5</sup>. The boats *b* are connected directly by rods *i*, and the front or bow and stern portions of said boats are connected by rods *j* with a rotatable disk *j*<sup>2</sup> mounted on the standard *c* below the coupling head *d*. Connected with the tubular standard *c* is a pipe *k* which extends radially from said standard and through the rim portion of the tank *a* and through which, in practice, water, air or steam under pressure may be passed into the tubular standard *c*. The top portion of the tubular standard *c* is provided with a port or passage *c*<sup>4</sup> which communicates with the annular groove *c*<sup>3</sup> and by means of which the water, air or steam under pressure passes into said groove and out through the coupling head *d* and the tubular couplings *d*<sup>2</sup> and through the radially arranged pipes *f*.

The operation will be readily understood from the foregoing description when taken in connection with the accompanying drawing and the following statement thereof.

The apparatus may be operated by water under pressure, air under pressure, or high pressure steam, and supposing that water under pressure is employed, this water passes through the tube *k* into the tubular standard *c*, through the port or passage *c*<sup>4</sup> into the annular groove *c*<sup>3</sup> from which it passes through the radial tubes *f* and through the curved discharge tubes *h* from which it is discharged at the stern of the boats *b*.

In practice the tank *a* is kept filled or partially filled with water as shown at *m* in Figs. 1 and 2, and the operative parts of the apparatus except the boats *b* are under water and the discharge of the water under pressure at the stern of the boats will set the apparatus in motion and the boats will be carried around the tank *a*, in which operation the coupling head *d*, the disk *j*<sup>2</sup>, the tubes *f* and the rods *i* and *j* all turn in the water.

It will be understood, of course, that the dimensions of the various parts may be regulated as desired, and my invention is not limited to the use of the rods *i* and *j*, nor to the use of false bottoms in the boats *b*, and said boats may be connected one with another in any desired manner, and the curved discharge tubes *h* by means of which the propelling medium is discharged at the



stern of the boats may be connected with said boats in any desired manner, and all of the boats if desired may be provided with the tubes *f* and *h*, and various other changes in and modifications of the construction described may be made, within the scope of the appended claims, without departing from the spirit of my invention or sacrificing its advantages. It will also be apparent that the propelling medium or fluid may be conveyed under pressure into the central standard *c* in any desired manner, and my invention is not limited to the use of the tubes *k* for this purpose.

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

1. An amusement apparatus comprising a tank adapted to be filled with water, a plurality of boats placed in a circle therein, a central hollow standard secured at the bottom of said tank, a rotatable coupling head mounted thereon, pipes connected with said coupling head and with the bottoms of said boats and adapted to discharge a propelling medium at the stern of the boats, and means whereby a propelling medium may be passed through said standard, through said coupling head, and through said pipes, all of said

parts except the boats being below the surface of the water when the tank is filled therewith.

2. An amusement apparatus comprising a tank adapted to be filled with water, a plurality of boats placed in a circle therein, a central hollow standard secured at the bottom of said tank, a rotatable coupling head mounted thereon, pipes connected with said coupling head and with the bottoms of said boats and adapted to discharge a propelling medium at the stern of the boats, and means whereby a propelling medium may be passed through said standard, through said coupling head, and through said pipes, all of said parts except the boats being below the surface of the water when the tank is filled therewith, means for connecting and spacing said boats, and rods connecting said boats with a rotatable member mounted on said standard.

In testimony that I claim the foregoing as my invention I have signed my name in presence of the subscribing witnesses this 19th day of September 1908.

THORE HELLIESEN.

Witnesses:

A. R. APPLEMAN,  
C. E. MULREANY.