July 28, 1925.

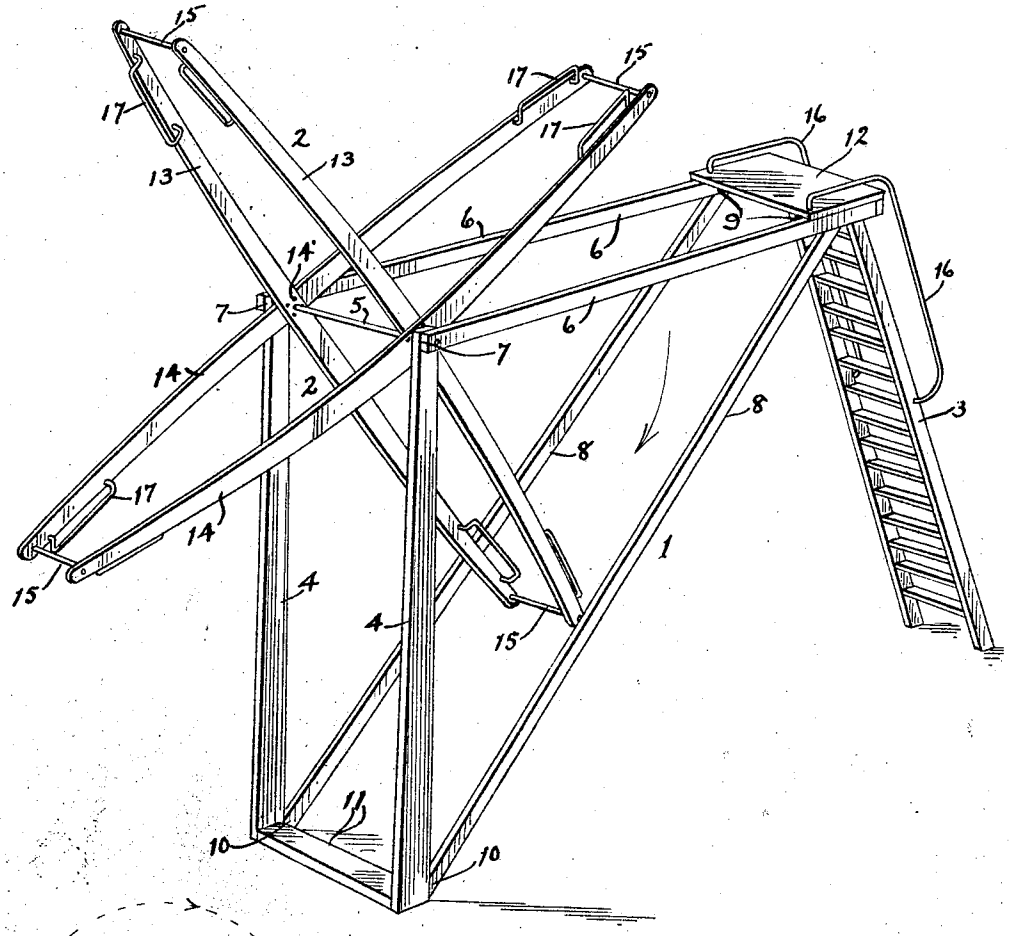
1,547,458

J. SMOKER

DIVING APPARATUS

Filed Jan. 23, 1922

Fig. 1.



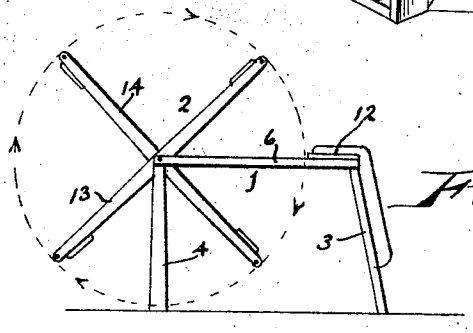


Fig. 2.

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Patented July 28, 1925. 1,547,458

UNITED STATES PATENT OFFICE.

JOHN SMOKER, OF NEW PARIS, INDIANA.

DIVING APPARATUS.

Application filed January 23, 1922. Serial No. 531,308.

To all whom it may concern:

Be it known that I, JOHN SMOKER, of the town of New Paris, county of Elkhart, Indiana, have invented certain new and useful Improvements in Diving Apparatus, of which the following is a specification.

This invention relates to amusement and recreation apparatus, and especially to diving devices.

The particular object of the invention is to provide an amusement and recreation apparatus for aquatic sports in the form of a rotary device to enable a bather to use it instead of a spring-board for diving. Other objects of the invention are mentioned and described herein.

The preferred embodiment of the invention is illustrated in the accompanying drawing in which Figure 1 is a perspective view of the device; and Fig. 2 is a side elevation of the apparatus reduced in size.

Similar numerals of reference indicate like parts throughout the several views on the drawing.

Referring to the details of the drawing, the apparatus comprises generally a frame 1 and a carriage 2 rotatably mounted thereon. More specifically, the approach stairway 3 may be connected with the frame 1 to enable the bather to mount the carriage 2 at the proper elevation. In the type of apparatus disclosed in the drawing the approach element consists of a stairway 3 but other suitable means may be used without departing from the spirit of my invention.

The frame 1 may comprise the two upright columns 4, 4 in opposed relation, a transverse shaft or axle 5 connecting the top ends of said columns, the two substantially horizontal spaced bars 6, 6 having their inner ends rigidly connected with the top ends of said columns at 7 adjacent the ends of the axle 5. A pair of angularly disposed frame bars 8, 8 have their opposite ends rigidly connected with the bars 6 and the columns 4 at 9 and 10, respectively. The column bottoms may be connected by a transverse member 11 suitably secured to said columns. A platform 12 is arranged transversely of the frame 1 and may be secured at its opposite ends to the frame elements 6, 6 adjacent the top of the stairway 3.

The diving carriage, or wheel, proper may consist of a cross-like element mounted for rotation upon the shaft or axle 5 and between the columns 4, 4, which wheel may be composed of the two pairs of bars 13, 13 and 14, 14, the bars of each pair being opposed to each other and spaced apart, and each pair of bars intersecting centrally at the axle 5 and rigidly secured to each other at 14′. The outer ends of the bars 13, 13 and 14, 14 are rigidly tied together in spaced relation by a rod 15, which rod serves as a step for the bather, as hereinafter described, the platform 12 being positioned to effect clearance between the ends of the bars 13 and 14 to enable free rotation of the carriage 2.

A hand railing 16 may be mounted upon the stairway and platform, and handles 17, 17 may be secured to the bars 13 and 14 of the carriage 2. In use, my improved amusement apparatus for aquatic sports is placed in or adjacent a body of water deep enough to permit diving. The bather mounts the stairway to gain a footing upon the platform 12 whence he may grasp the carriage handles 17 and steps upon the rod 15, transferring his entire weight to the carriage which at once rotates carrying the bather downward with increasing momentum. When the bather has passed beyond the columns 4 he may dive or leap from the step 15, the momentum gained in the descent pitching him a considerable distance from the carriage 2, the distance thereby effected being materially greater than that gained by diving from a spring-board or other stationary platform.

I claim:

1. A bather's amusement device comprising in combination, a supporting frame, a wheel-like carriage rotatably mounted upon said frame to rotate in a vertical plane, and a platform adjacent said carriage and associated therewith to enable the bather to mount said carriage in a plane intermediate the top and bottom of the latter adjacent the outer periphery thereof.

2. A bather's amusement device comprising in combination, a supporting frame, a wheel-like carriage rotatably mounted upon said frame to rotate in a vertical plane, a platform adjacent said carriage and associated therewith to enable the bather to mount said carriage in a plane intermediate the top and bottom thereof; and means on said carriage to enable the bather to stand upon

and hold thereto while the carriage rotates and carries the bather downward toward an adjacent body of water.

3. A bather's amusement device comprising a supporting frame; a carriage rotatably mounted in said frame; platform means adjacent said carriage to enable a bather to mount said carriage in a plane intermediate the top and bottom of the latter; and step and handle means on said carriage to enable the bather to stand upon and cling thereto while the carriage turns and carries the bather downward toward an adjacent body of water to permit the bather to leap from said carriage into the water.

4. A bather's amusement device comprising a supporting frame; a diving carriage rotatably mounted upon said supporting frame; platform means adjacent said carriage to enable the bather to mount said carriage in a plane intermediate the top and bottom of the latter; a series of steps on said carriage to enable the bather to stand thereon; and a series of handles on said carriage to be grasped by the bather while the carriage rotates and carries the bather downward toward an adjacent body of water.

In witness whereof I have hereunto affixed my signature this 17th day of January, 1922.

JOHN SMOKER.