

No. 750,472.

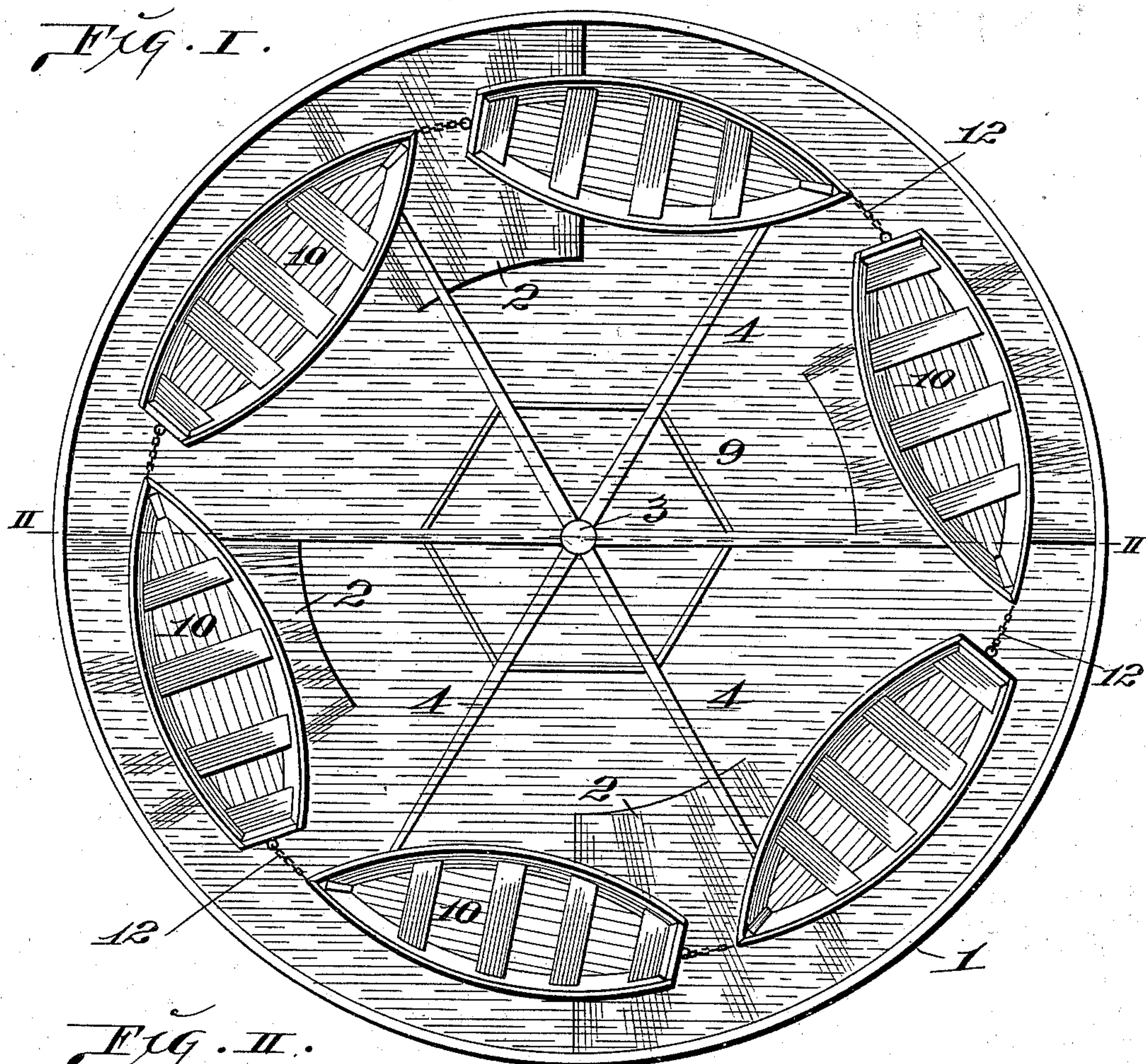
PATENTED JAN. 26, 1904.

A. MEFFERT.  
WATER CAROUSEL.

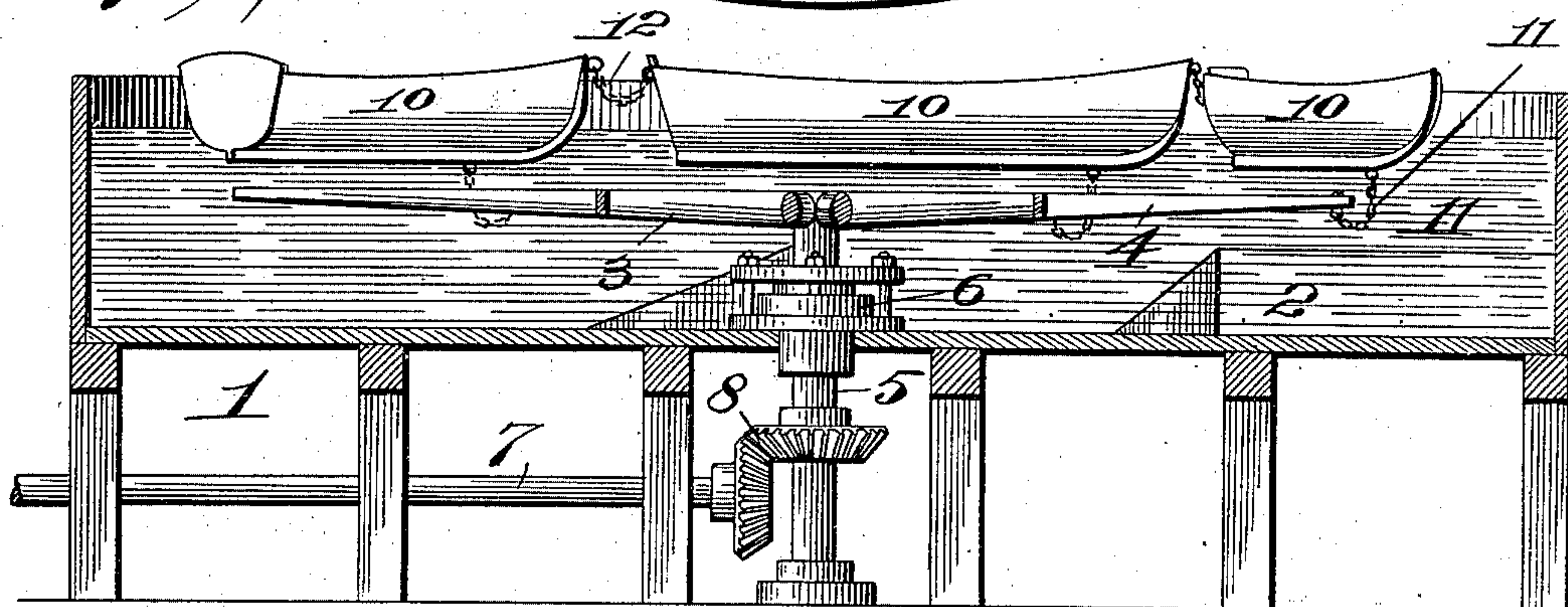
APPLICATION FILED OCT. 15, 1903.

NO MODEL.

*Fig. I.*



*Fig. II.*



attest:— *Fig. III.*  
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attys



## UNITED STATES PATENT OFFICE.

ALEXANDER MEFFERT, OF ST. LOUIS, MISSOURI.

## WATER-CAROUSEL.

SPECIFICATION forming part of Letters Patent No. 750,472, dated January 26, 1904.

Application filed October 15, 1903. Serial No. 177,130. (No model.)

*To all whom it may concern:*

Be it known that I, ALEXANDER MEFFERT, a citizen of the United States, residing in the city of St. Louis, in the State of Missouri, have invented certain new and useful Improvements in Water-Carousels, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to a water-carousel for amusement purposes, the construction being such as to provide undulating movement of the boats of the carousel by agitation of the water in which they travel and also by locating inclined elevations within the carousel water-tank, over which the boats pass as they make their circuit in the carousel-tank.

My invention consists in features of novelty hereinafter fully described, and pointed out in the claim.

Figure I is a top or plan view of my carousel. Fig. II is a vertical section taken centrally through the carousel on line II II, Fig. I. Fig. III is a section taken through a portion of the carousel-tank at the location of one of the inclined elevations therein.

1 designates a tank which is designed to contain a quantity of water and which is preferably circular in shape. Seated upon the bottom of the tank 1 is a series of inclined benches, which occupy positions adjacent to the wall of the tank.

3 designates a spider having a plurality of arms 4, that are preferably of flat shape, with the greatest width thereof extending vertically, thereby constituting paddles that have the utility hereinafter mentioned. The spider 3 is located beneath the surface of the water in the tank 1 and is carried by a shaft 5, that extends vertically into the tank through a stuffing-box 6 and is designed to be rotated in any suitable manner. I have shown the shaft driven by a power-shaft 7, that is connected thereto by gearing 8.

9 designates ties connecting the spider-arms 4.

10 designates boats that ride upon the water in the tank 1, each of said boats being connected at its lower side to the spider-arms 4 by flexible connections 11, such as chains, so that the boats may be conveyed in a circular path within the carousel-tank during the rotation of the spider and may at the same time partake of an undulating movement as a result of their being flexibly connected to the spider-arms. The adjacent bow and stern of the boats throughout the series are united by flexible connections 12, such as chains, so that they will be maintained in alinement throughout their travel.

In the practical use of my carousel the boats 10 are moved in a circular path during the rotation of the spider 3, and at the same time the water on which the boats ride is continually agitated and commotion occasioned therein by the paddle-shaped arms of the spider traveling beneath the water, thereby creating waves, on the surface of which the boats ride. As the agitated water circulates over the benches 2 swells are created at the locations of said benches, as illustrated in Fig. III, and therefore the undulating movement of the boats is greatly increased as they pass over said benches.

I claim as my invention—

In a water-carousel, the combination of a tank, inclined benches surmounting the bottom of said tank to be submerged beneath water in the tank, a rotatable spider having paddle-shaped arms for operation within the water in the tank to agitate said water and create swells over said benches and boats connected to said spider-arms, substantially as set forth.

ALEXANDER MEFFERT.

In presence of—

E. S. KNIGHT,  
BLANCHE HOGAN.