

R. G. REEVES.
ROUNABOUT.

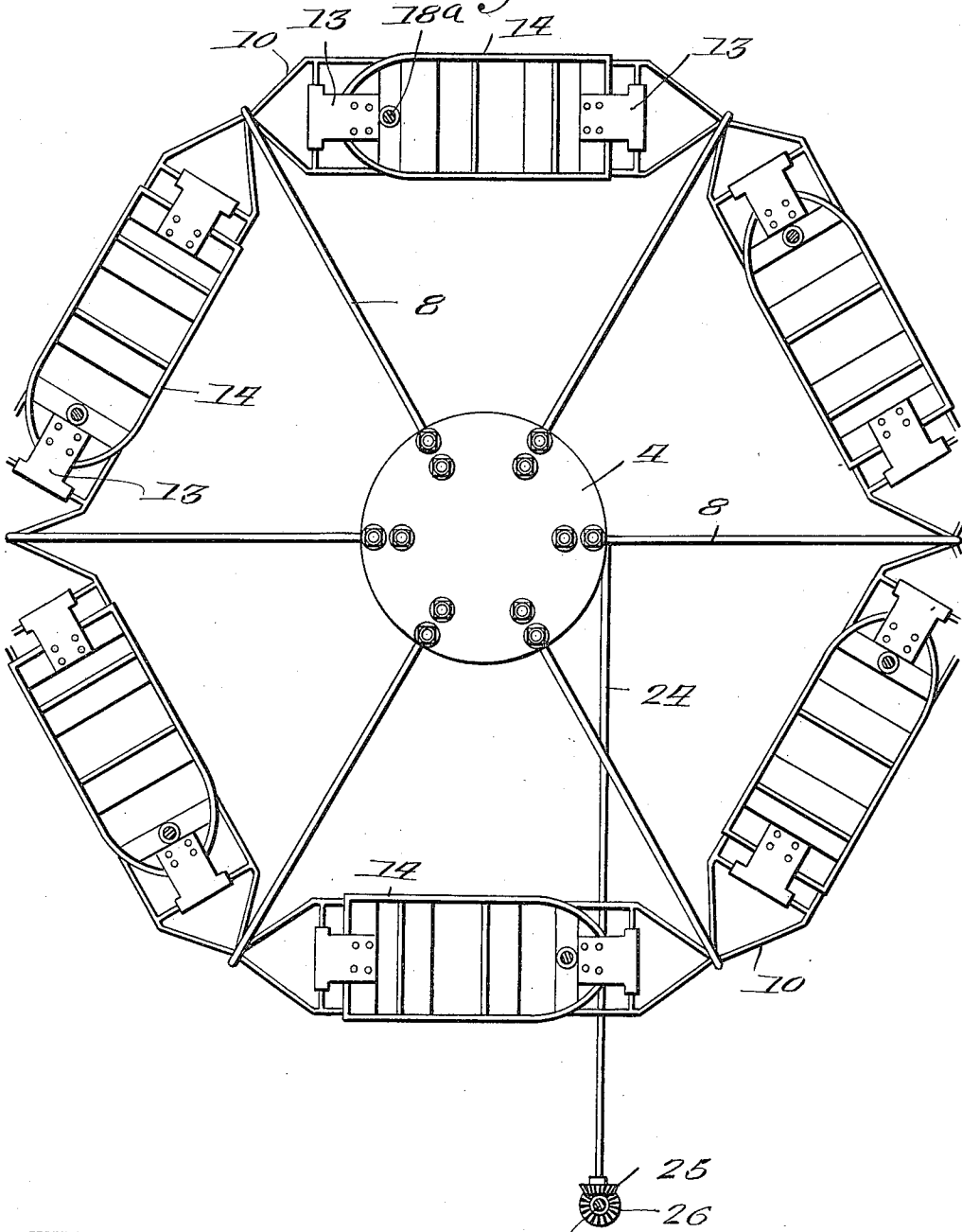
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1,080,927.

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2 SHEETS-SHEET 1.

Fig. 1.



WITNESSES

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ROUNABOUT.

1,080,927.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, REUBEN G. REEVES, citizen of the United States, residing at Massillon, in the county of Stark and State of Ohio, have invented new and useful Improvements in Roundabouts, of which the following is a specification.

My present invention pertains to roundabouts, and has for its object to provide a roundabout comprising a plurality of boats grouped about a center of movement and constructed with a view of closely simulating part of this specification, in which:

With the foregoing in mind the invention in all of its details will be fully understood from the following description and claims, when read in connection with the drawings, accompanying and forming part of this specification, in which:

Figure 1 is a plan view, partly in horizontal section of my novel roundabout. Fig. 2 is an enlarged detail of the same, hereinafter referred to. Fig. 3 is an enlarged inverted plan illustrative of the manner of mounting the boats. Figs. 4 and 5 are enlarged sections showing details of the boats and their appurtenances.

Similar numerals of reference designate corresponding parts in all of the views of the drawings.

Among other elements my novel roundabout comprises a center pole or upright 1, securely fixed by cement or other suitable means in the ground, and braced by stays in a manner compatible with the purpose of my invention. Stepped in a bearing 2 in the upper end of the pole or upright 1 is the depending stem 3 of the rotary disk 4, and surrounding the pole 1 is a rotatable body 5 to which is connected a collar 4^a; the said collar being disposed below the body 5 and around the pole 1. Connected with the said disk 4 and body 5 are a plurality of boats. These boats 6 are suitably spaced apart, and may be of any suitable size without affecting my invention. The several boats are connected with the disk 4 and the body 5 in the same manner, and therefore a detailed description of the manner of mounting the boat shown in Fig. 2, will suffice to impart an exact understanding of the mounting of the several boats. Referring therefore to the said figure, 6, is an upright rod suitably fixed in the disk 4 and the body 5, and 7 is a rod that is fixed to

and extends radially outward from the body 5.

8 is a rod fixed to and extending downward and outward from the disk 4 and joined by a loop 9 with the rod 7. Carried by the said rods 7 and 9 is the boat-carrying frame; it being understood that in the present and preferred embodiment of my invention the said frame is continuous around the center pole or upright 1. The boat frame is numbered 10, and is provided with uprights 11 which carry at their upper ends journal boxes 12 disposed lengthwise of the boats. Journalled in the said boxes 12 are trunnions 13 carried at opposite ends of the boats 14. By virtue of this provision, it will be manifest that the boat is free to swing vertically in the direction of its width, and in a manner closely simulating the movement of a boat on an agitated body of water. With a view to contributing to the said simulation, and at the same time to render easy the riding of the boat, the same is equipped with two pairs of retractile springs 15. These springs are disposed transversely of the boat, and are connected to brackets 16 fixed to the boat bottom. Each of the said brackets carries at its ends hooks 17, and the inner and upper ends of the springs are connected to the said hooks, while the lower and outer ends of the springs are connected to rods 18 comprised in the before-mentioned continuous frame. By virtue of this construction, it will be observed that the boat will be maintained in a steady manner, and yet will be free to rock or swing vertically in the journal boxes so as to render easy the riding of the persons in the boat.

In order to increase the similarity of the boats 14 to ordinary sailboats, each boat is equipped with a mast 18^a and a sail 19, as shown; the said mast and sail being disposed adjacent the forward end of the boat so as not to detract from the carrying capacity thereof. It will also be noted that the pairs of spring are arranged at opposite sides of the transverse center of the boat, and that therefore there is no liability of either end of the boat striking the carrying frame incidental to the movement of the boat about the post or upright 1.

As before stated, the body 5 is freely rotatable about the center post or upright 1; the said body 5 being provided with a drum

20 that surrounds a series of anti-friction
 rollers 22. The said rollers 22 are sup-
 ported by the collar 4^a and enable the drum
 20 to rotate with but little frictional wear
 5 of the pole 1. The drum 20 is circumfer-
 entially grooved for the application of a
 brake band 23, and to one end of the said
 brake band is connected in a threaded man-
 ner a brake rod 24 having at its outer end
 10 a miter gear 25 intermeshed with a comple-
 mentary miter gear 26 on a crank shaft 27.

Any suitable means may be employed for
 revolving the plurality of boats about the
 center upright or post 1, or when desired
 15 the action of the wind on the sails 19 of
 the boats may be depended on for the said
 purpose. It will also be noted in this con-
 nection that through the medium of the
 brake band and the described elements ap-
 20 purtenant thereto, the rotation of the boats
 about the center post or upright can be re-
 tarded as occasion demands.

In addition to the practical advantages
 hereinbefore ascribed to my novel round-
 25 about, it will be manifest that the same is
 simple and inexpensive in construction, is
 adapted to be operated at a low cost, and is
 well adapted to withstand exposure to the
 weather and the rough usage to which
 30 roundabouts and similar amusement devices
 are ordinarily subjected.

While I have entered into a detail de-
 scription of the construction and operation
 of the parts comprised in the present and
 35 preferred embodiment of my invention, I
 do not desire to be understood as confining
 myself to the said specific construction and
 relative arrangement of parts, as in the
 future practice of the invention such changes
 40 or modifications may be made as fairly fall
 within the scope of the invention as claimed.

Having described my invention, what I
 claim and desire to secure by Letters-Pat-
 ent, is:

45 1. The combination in a roundabout, of a

suitably supported center post or upright,
 upper and lower devices revoluble about the
 said post or upright, a continuous frame sur-
 rounding the post or upright and connect-
 ed with the said revoluble devices, journal
 50 boxes carried by the said continuous frame,
 boats each arranged between two of the
 journal boxes and having lengthwise dis-
 posed journals bearing in the said boxes, and
 pairs of retractile springs arranged trans-
 55 versely of each boat at opposite sides of the
 transverse center thereof and connected at
 their upper and inner ends with the boats
 and at their outer ends with the said con-
 tinuous frame.

2. The combination in a roundabout, of
 revoluble carrying means, a boat having
 trunnions journaled in the said carrying
 means; said trunnions being disposed length-
 wise of the boat, and pairs of retractile
 65 springs disposed at opposite sides of the
 transverse center of the boat and connected
 with the boat and the said carrying means,
 substantially as specified.

3. The combination in a roundabout, of
 70 revoluble carrying means, a boat having
 trunnions journaled in the said means, a
 bracket fixed with respect to the boat and
 having hooks, and retractile springs each
 connected at one end with one of said hooks
 75 and at its opposite end with the carrying
 means.

4. The combination in a roundabout, of
 revoluble carrying means, boats spaced apart
 on said carrying means and each mounted
 80 to swing laterally, and springs relatively ar-
 ranged to each boat to yieldingly maintain
 the same in a horizontal position.

In testimony whereof I have hereunto set
 my hand in presence of two subscribing wit-
 85 nesses.

REUBEN G. REEVES.

Witnesses:

BERTHA LIPPS,

MARY A. WILLIAMS.