No. 785,149. PATENTED MAR. 21, 1905.

R. W. BROOKS.

RACING TOY.

APPLICATION FILED JULY 27, 1903.

2 SHEETS—SHEET 1.

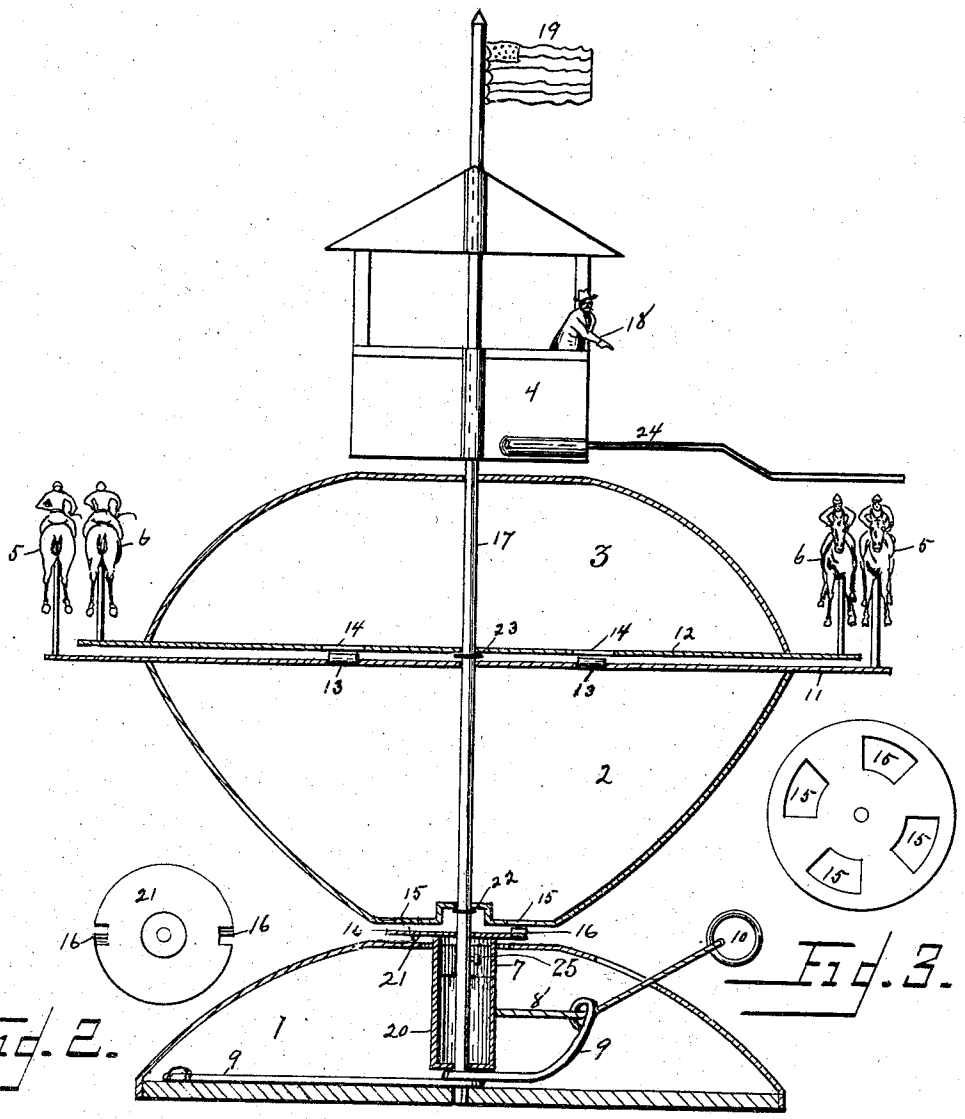



Fig. 2.

Fig. 3.

Fig. 1.

WITNESSES:

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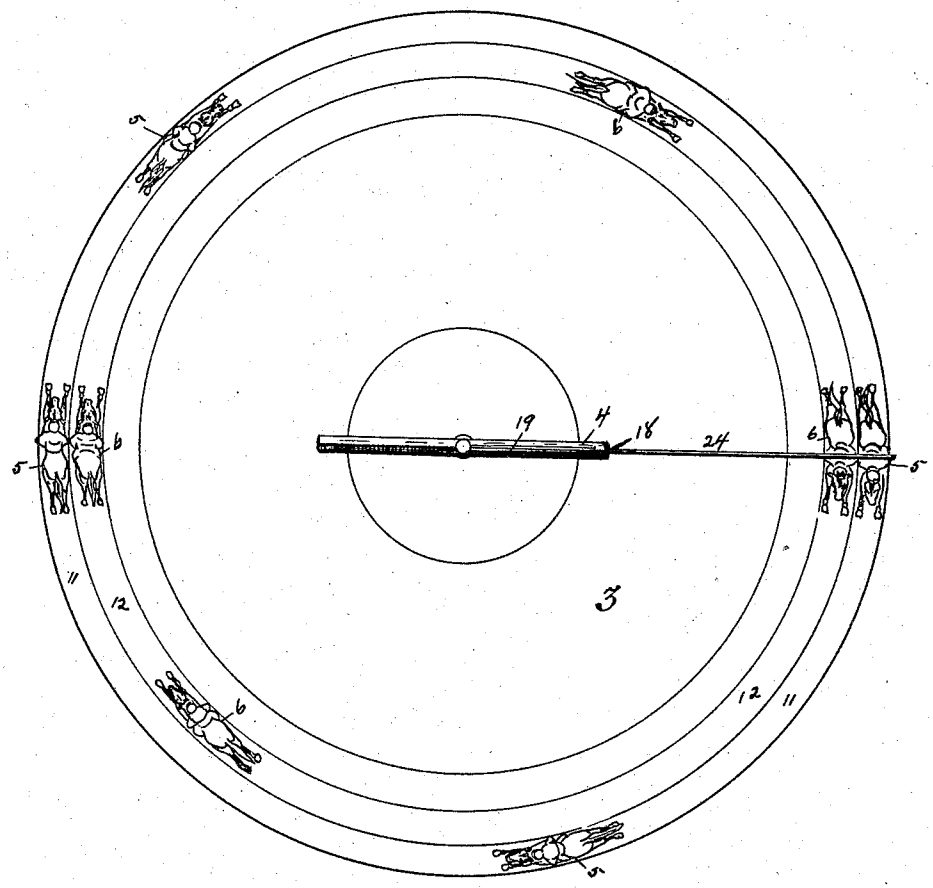



Fig. 4.

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# UNITED STATES PATENT OFFICE.

ROBERT WESLEY BROOKS, OF LOUISVILLE, KENTUCKY.

## RACING TOY.

SPECIFICATION forming part of Letters Patent No. 785,149, dated March 21, 1905.

Application filed July 27, 1903. Serial No. 167,174.

*To all whom it may concern:*

Be it known that I, ROBERT WESLEY BROOKS, a citizen of the United States, residing at Louisville, in the county of Jefferson and State of Kentucky, have invented a new and entertaining Racing Toy, of which the following is a specification.

My invention relates to toys; and the object of my improvement is to provide an interesting and amusing representation of the horse-race. I attain this object by means of the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a vertical view, partly in elevation and partly in section; Fig. 2, a plan view of the upper part of the winding-drum; Fig. 3, a plan view of the base of the lower top, and Fig. 4 a plan view of the entire toy.

Similar reference-numerals refer to similar parts throughout the several views of the drawings.

The entire toy is made, preferably, of tin or other sheet metal and wire, and thus may be cheaply manufactured. The base 1 is hollow, having a substantial bottom to furnish a substantial support for the wire standard 17. A wire lever 9, having an eye formed on each end, is fastened through one of its eyes to the bottom of base 1 near the circumference, thence extends to the center, makes a loose turn about the foot of the standard 17, extends outward, and curves upward. Resting upon the loop of lever 9 and rotatably mounted on standard 17 is a hollow winding-drum 20, having within it a flat spiral spring 7. The upper end of drum 20 is covered by a disk 21, secured thereto, which has ears 16 punched out of its body and struck up in a forward slanting position. The center of disk 21 is pierced and forms the upper bearing for the drum. The spring 7 has its outer end attached to drum 20 and its inner end to standard 17 by means of the headed lug 25. Top 2 is also rotatably mounted on standard 17 immediately above disk 21, and its base rests on a collar 22, secured to said standard, the base being a flat disk perforated with holes 15, so disposed as to be immediately above the ears 16 of disk 21. The upper cover of top 2 is a disk 11, and the perforation in its center forms the upper bearing for the top about standard 17. Disk 11 has ears 13 punched out and struck up similar to 16 and covers top 2 and extends beyond it to form the outer track on which figures 5 are mounted.

The top 3 is rotatably mounted on standard 17 above top 2 and rests on collar 23, secured to said standard. The base of top 3 is the disk 12, which is mounted in a similar manner to 11 and like 11 extends beyond its top, but is about one-half inch less in diameter. The portion extending beyond the top serves as the track upon which the figures 6 are mounted. The apex of the top 3 may be flattened somewhat and is pierced for standard 17.

The judge's stand 4 is mounted on standard 17 rigidly and may be flat, the two sides being punched out and embossed to bring out the form of the stand and the judge and then folded and suitably fastened together. Near the bottom of the judge's stand a wire 24, which points over the figures of horses and jockeys, may be inserted in an aperture formed between the sides. A flag pivoted on standard 17 surmounts the whole. Details of construction may be varied within the general plan of the invention.

In the operation of the toy the cord 8 is found wound upon drum 20 and the ring or other handle 10 at the free end remaining outside of base 1. One hand may be placed on the base 1 to steady the device, and with the other the cord 8 is pulled outward and somewhat upward. This action rotates drum 20 with its disk 21. As cord 8 passes through the free eye of lever 9 the upward pull of the cord raises the lever, and the spring in turn raises drum 20 and ears 16 enter perforations 15. Drum 20 in turn lifts top 2 till ears 13 enter perforations 14, when drum 20, top 2, and top 3 are in engagement and rotate together. The ears 16 and 13 are inclined forward somewhat, so that top 3 may ride over 13 and top 2 over 16 when drum 20 is momentarily stopped to reverse. When cord 8 is released, it is rewound automatically on its drum by spring 7, ready to be operated again, and the tension of the cord being removed lever 9 falls to the bottom of base 1, and so, also, drum 20 and top 2 drop by gravity out

of engagement, and the two tops are allowed to rotate freely and independently. In this way the inner and outer figures may pass each other, making a race. The horse that stops under the wire, or if two stop under the wire the one that is ahead, is the winner. The hores and the clothing of the jockeys may be differently colored and numbered so as to distinguish them. The judge 18 points out the winner.

Having thus described my invention so that any one skilled in the art pertaining thereto may make and use it and being aware that roundabouts representing horses running in a circus, &c., have been made previous to my invention, I do not desire to claim the principle broadly; but

What I claim as my invention, and desire to secure by Letters Patent, is—

1. In a racing toy, the combination of a base, a standard mounted on said base, a top-shaped body divided on its equatorial plane into two independent parts mounted on said standard, peripheral extensions on said parts of said top-shaped body forming a race-course, horses mounted on said peripheral extensions, and means for spinning said top-shaped body comprising a winding-drum mounted on the lower end of said standard, a cord wound on said drum, a coil-spring for turning said drum and winding said cord on said drum attached to said drum, catches and corresponding perforations on said top-shaped body and said drum, and a lever mounted under said drum for the purpose of lifting said drum and said top-shaped body and causing said catches to engage with said corresponding perforations, substantially as specified.

2. In a racing toy, the combination of a base, a standard mounted on said base, a top-shaped body divided into two parts on its equatorial plane mounted rotatably and slidably on said standard, said parts having equal and independent bearings on said standard and being normally out of contact with each other, figures mounted on peripheral extensions of said parts of said top-shaped body, spinning mechanism comprising a drum and a cord, corresponding catches and perforations on said drum and said top-shaped body parts, and means for throwing said corresponding catches and perforations into engagement, substantially as specified.

3. In a racing toy, the combination of a base, a standard mounted on said base, a top-shaped body divided horizontally and mounted on said standard, racing figures mounted on peripheral extensions of the parts of said body, means for spinning the parts of said top-shaped body comprising a drum mounted on said standard, a cord wound on said drum, catches on said drum, and corresponding perforations in the bottom of the lower part of said body, corresponding catches and perforations on the upper surface of the lower part and on the bottom of the upper part respectively of said body, and means for throwing said catches into and out of engagement with said perforations, substantially as specified.

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Witnesses:

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