No. 700,861. Patented May 27, 1902.

N. P. WALTERS.

TOY.

(Application filed Feb. 5, 1902.)

(No Model.)

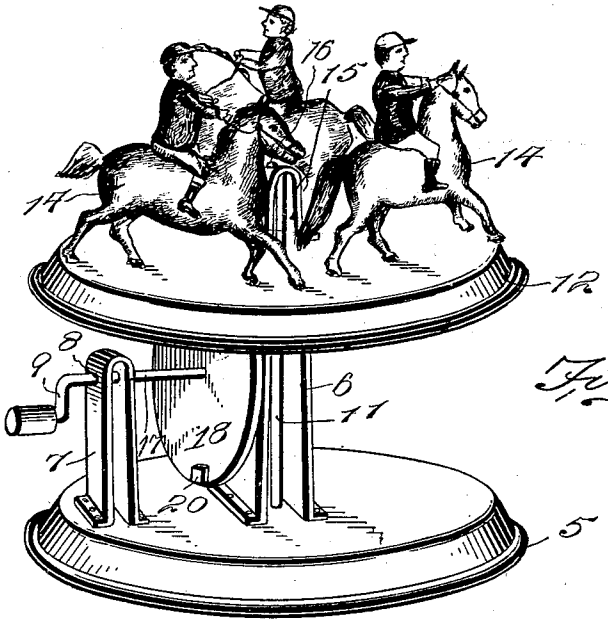


Fig. 1.

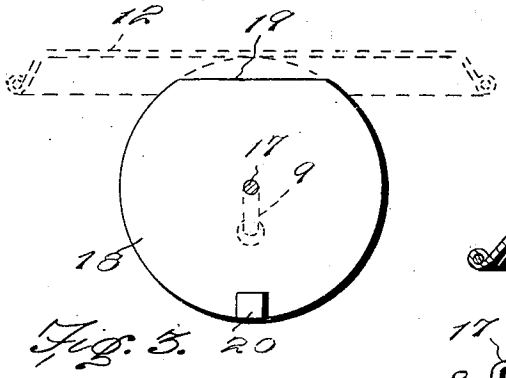


Fig. 5.

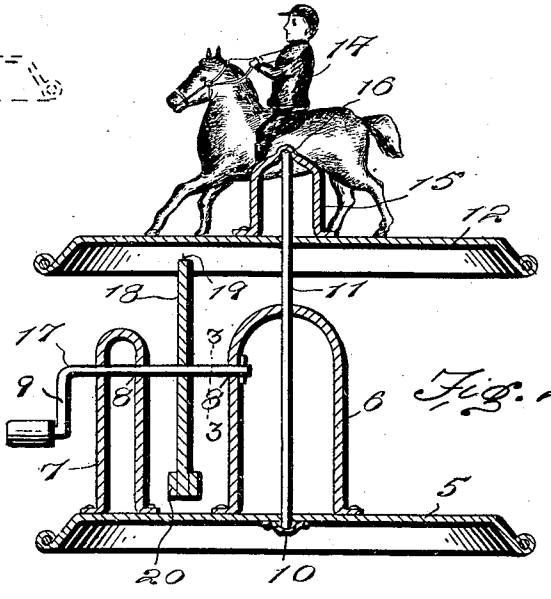


Fig. 2.

Witnesses
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UNITED STATES PATENT OFFICE.

NELS P. WALTERS, OF FORT MADISON, IOWA.

TOY.

SPECIFICATION forming part of Letters Patent No. 700,861, dated May 27, 1902.

Application filed February 5, 1902. Serial No. 92,702. (No model.)

To all whom it may concern:

Be it known that I, NELS P. WALTERS, a citizen of the United States, residing at Fort Madison, in the county of Lee and State of Iowa, have invented a new and useful Toy, of which the following is a specification.

The object of my invention is to construct a simple and economical form of toy of the carousel type, having an operating device which may be held out of contact with the rotating portion of the toy when desired.

With this and other objects in view the invention consists in the novel construction and combination of parts hereinafter described, illustrated in the accompanying drawings, and particularly pointed out in the appended claims.

In the drawings, Figure 1 is a perspective view of a toy constructed in accordance with my invention. Fig. 2 is a sectional elevation of the same. Fig. 3 is a transverse sectional elevation of the device on the line 3 3 of Fig. 2.

Similar numerals of reference are employed to indicate corresponding parts throughout the several figures of the drawings.

The base of the structure is formed of a flanged plate or disk 5, preferably formed of tin or similar sheet metal, and to the upper side of this base are secured the opposite ends of two metallic bands 6 and 7, bent into loop form and provided with suitable perforations 8, forming bearings for a horizontal shaft which may be formed of a piece of round wire having at one end a cranked portion 9, by which the toy is operated. At the center of the base 5 is an indentation or socket 10 for the reception of the lower end of an upright post 11, which receives additional support from one of the strips 6, the post passing through a suitable opening in said strip and being secured therein and in the socket member, if desired, by solder.

12 indicates a revolving platform, also formed of a flanged disk, which may be ornamented in any suitable manner during the stamping operation, said platform serving as a support for figures 14, representing horses or other animals, so that the toy may be in the form of a miniature race-course or carousel. In some cases the animals and carriages or seats of a carousel may be reproduced in miniature and secured on said platform. To the central portion of the platform is secured the opposite ends of a metallic strip 15, bent into loop form and having a central socket 16 for the reception of the upper end of the post 11, said post extending through a central opening in the platform, but the connection being sufficiently loose to permit the ready removal of the platform from the post for packing or transportation.

On the shaft 7 is secured a disk 18, having a flattened face 19. The disk is formed, preferably, of sheet-tin or other metal and is of such size that the curved portion of its periphery will engage with the under side of the revolving platform and effect the rotation of the latter when the shaft is turned by means of the crank 9. The flattened portion 19 of the disk is arranged at a point diametrically opposite the crank-handle 9, its distance in a radial line from the center of the shaft being such that when the crank-handle is held in the lowest position and the flattened portion 19 in the highest position such flattened portion will be out of contact with the revolving platform.

In operating the device the crank-handle is turned rapidly, causing frictional engagement between the curved portion of the driving-disk and the bottom of the revolving platform, the operation being continued until the platform is revolving at any desired speed. The driving-disk is then stopped with the crank-handle in the lowest position, leaving the driving-disk, with its flattened face, adjacent to but out of contact with the revolving platform, the latter revolving freely for a considerable length of time. As the greater weight of the disk is in that half opposite the portion in which the flattened face is comprised, the disk will be retained in the inoperative position by gravity, and this will further be assisted by the weight of the crank-handle. In fact, it is only necessary to revolve the driving-disk for a short time and then release the operating-crank, the disk assuming the inoperative position by gravity after a short space of time. This operation may be further assisted by placing a small counterbalance-weight, as 20, on that side of the disk opposite the flattened portion.

The device is made wholly from stamped tin or similar cheap metal, and sections of

wire form the post and shaft, thus rendering possible the construction of an amusing toy at a very small cost.

While the construction herein described and illustrated in the accompanying drawings is the preferred form of the device, it is obvious that various changes in the form, proportions, size, and minor details of the structure may be made without departing from the spirit or sacrificing any of the advantages of my invention.

Having thus described my invention, what I claim is—

1. A toy comprising a base, an upright post carried thereby, a revoluble platform supported by the post and forming a frictional driving-surface, a driving-shaft having a crank-handle forming a counterweight, means for supporting said shaft, a disk secured to the shaft and adapted to frictional contact with the under side of the revoluble platform, said disk having a portion of its periphery flattened or cut away at a point diametrically opposite to said crank-handle, the superior weight of that half of the disk opposite the cut-away portion, together with the weight of the crank-handle serving as a counterbalance to normally maintain the disk out of contact with the platform.

2. A toy comprising a base, a pair of strips of metal bent into loop form and secured to said base, a driving-shaft supported by said strips, an upright post 11 having its lower end adapted to a base-socket and partly supported by one of said strips, a revoluble platform having a central opening for the passage of the said post, an upper strip carried by the platform and having a socket for the reception of said post, and a driving-disk carried by the driving-shaft and adapted for contact with the under side of said revoluble platform.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

NELS P. WALTERS.

Witnesses:
W. A. TUCKER,
SAML. T. REEVES.