

No. 879,152.

PATENTED FEB. 18, 1908.

A. S. DIACK.
TOY.

APPLICATION FILED JULY 9, 1906.

FIG. 1.

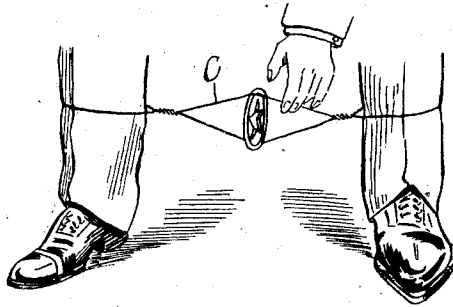


FIG. 2.

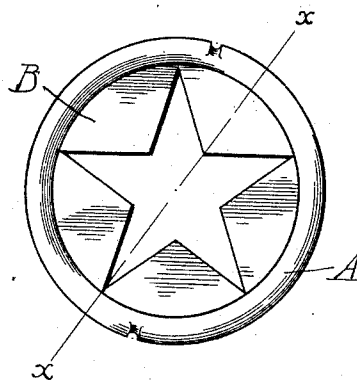


FIG. 4.

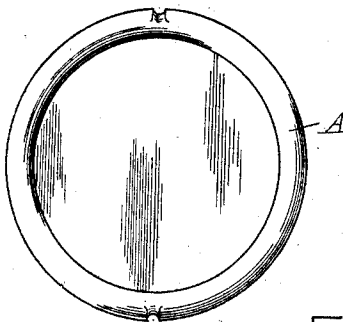


FIG. 5.

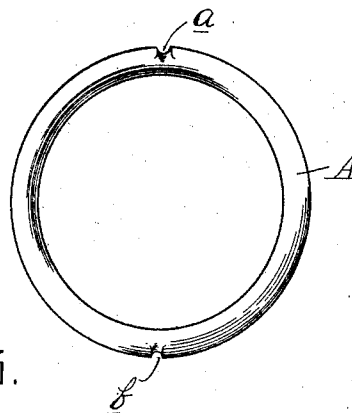
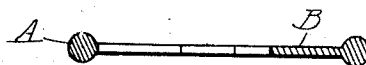


FIG. 3.



WITNESSES
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TOY.

No. 879,152.

Specification of Letters Patent.

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Application filed July 9, 1906. Serial No. 325,284.

To all whom it may concern:

Be it known that I, ALEXANDER S. DIACK, a citizen of the United States of America, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Toys, of which the following is a specification, reference being had therein to the accompanying drawings.

10 The invention relates to a toy adapted, preferably, by mechanism hereinafter set forth, to be rolled upon the ground, extent of travel being in some instances the object in view, or accuracy in rolling, as where the
15 toy is directed at an object or mark.

It consists in the novel and simple construction of the toy, and in the means for projecting it upon the ground, as will be more fully hereinafter described.

20 In the drawings illustrating the invention, Figure 1 is a perspective view of the toy, showing the same in readiness for lateral projection; Fig. 2 is a front elevation thereof; Fig. 3 is a section on line $x-x$ of Fig.
25 2. Figs. 4 and 5 are modifications.

For the purpose of permitting rolling movement, the toy is of circular configuration, comprising essentially an annular tread section, A, preferably circular in cross section
30 and of sufficient weight to permit the toy to roll a considerable distance if desired.

The tread is preferably cast, and is usually, but not necessarily, provided with a reinforcing section, as B, which strengthens the
35 article materially. The reinforce is flat or disk-shaped and of considerably less thickness than the rim or tread, so that the weight of the toy will be in the periphery, where it is desired for the rolling movement.

40 In Fig. 4 the reinforce is shown as an imperforate disk, while in Fig. 2 it is open-centered, the disk being in this instance cut away to form an ornamental figure, as a star, which lends attractiveness to the toy, and reduces
45 the weight of the center portion.

The tread member referred to is provided at two diametrically-opposite points with slight indentations or recesses a b , not of a

size to interfere materially with the continuity of the tread and thus act to retard its
50 rolling, but of sufficient depth to form an engagement with the projecting means. In this instance, the projecting mechanism is in the form of a looped cord C, adapted to encircle the tread section and engage the
55 notches or indentations described.

As a simple means of operating the toy, the looped cord may be placed about the ankles of the user in the manner indicated in Fig. 1, the tread section or member fixed in
60 place with the notches in engagement with the cord, as indicated, and finally the cord twisted to turn the tread rearwardly a few revolutions. Upon releasement, the rotary
65 movement imparted to the toy will cause it to move laterally, the extent of travel depending upon the nature of the ground on which it is projected, and the tension of the cord.

What I claim as my invention is:

70 1. A toy consisting of a continuous annular tread section transversely recessed at two diametrically opposite points and means engaging said recesses for laterally projecting the toy.

75 2. A toy comprising a disk shaped reinforcing member, an inclosing relatively heavy tread section recessed at diametrically opposite points in its periphery, and a looped cord adapted to engage the recessed
80 tread.

3. A toy consisting of a metallic annular tread member circular in cross section and having slight oppositely disposed notches or indentations formed transversely in its pe-
85 riphery, a relatively light reinforcing disk for and integral with the tread, and a looped cord adapted to encircle the reinforced tread and engage the notches therein.

In testimony whereof I affix my signature
90 in presence of two witnesses.

ALEXANDER S. DIACK.

Witnesses:

NELLIE KINSELLA,
AMELIA WILLIAMS.