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2,624,157

ROLLING DISK TOY

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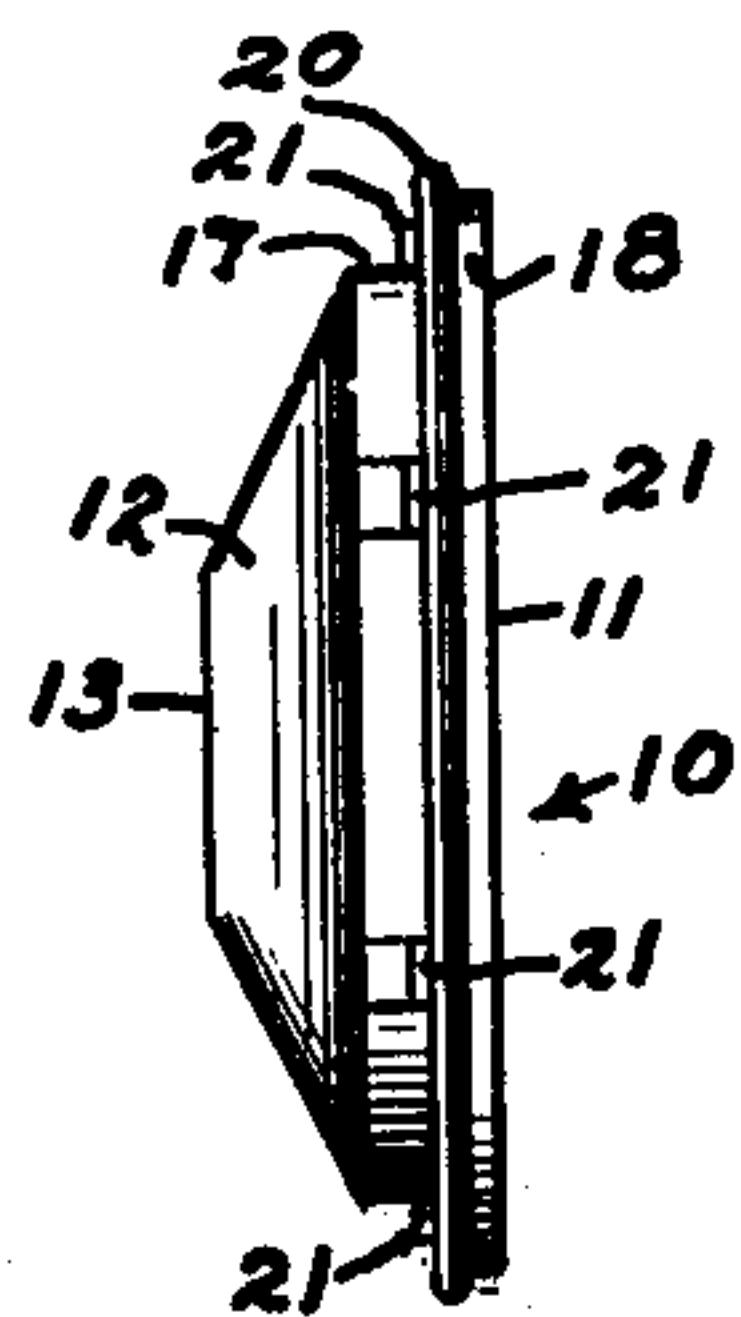


FIG. 1

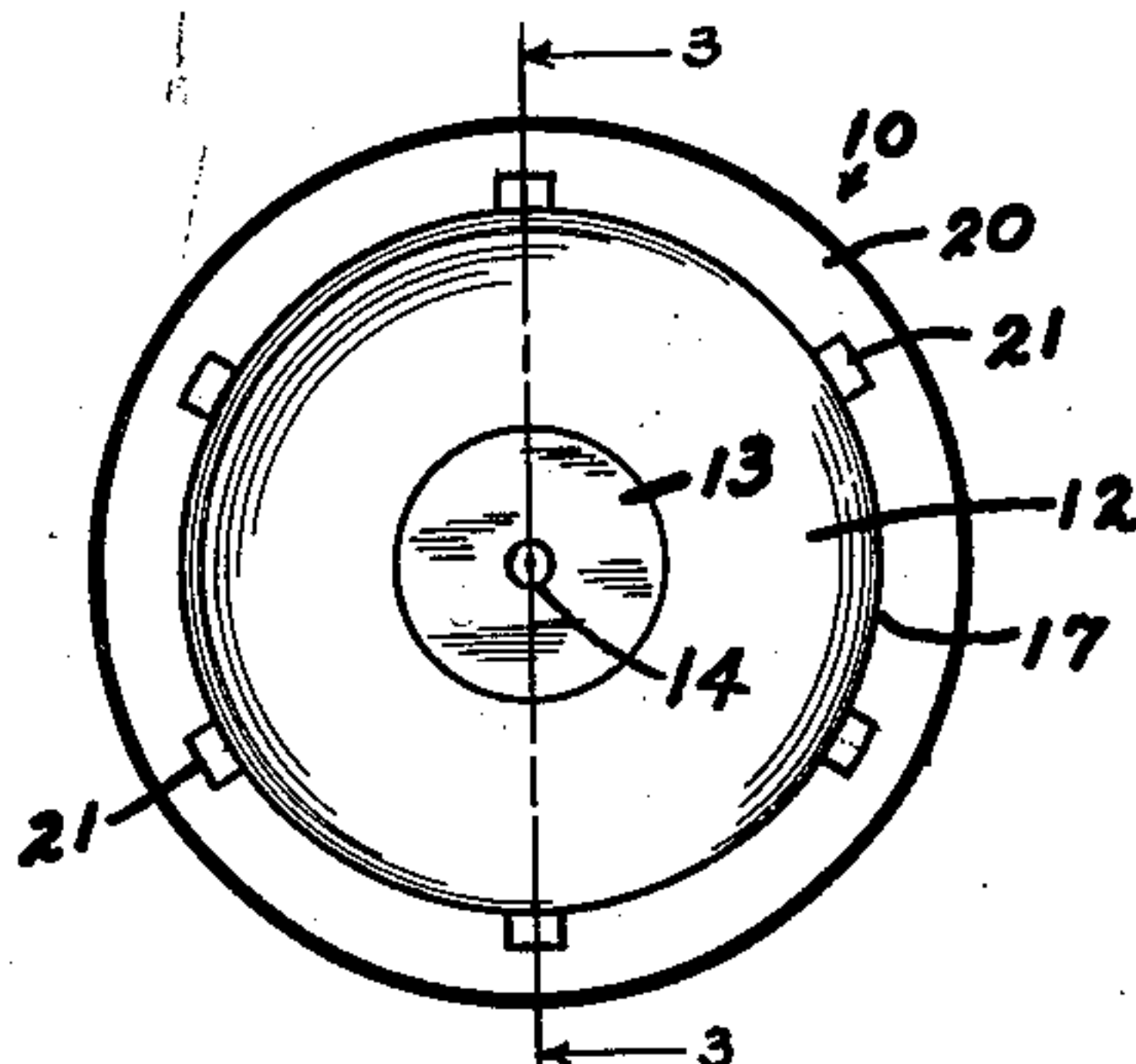


FIG. 2

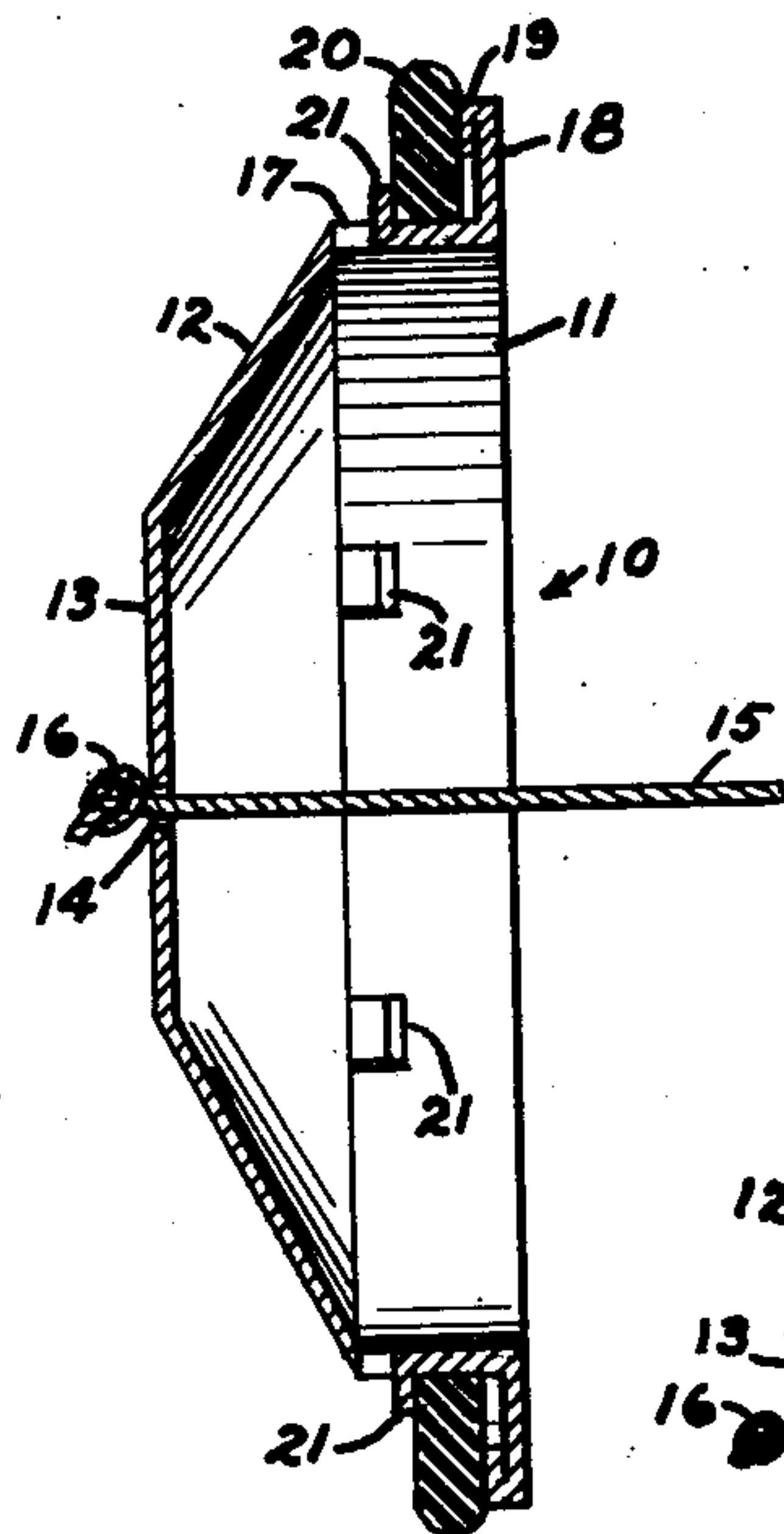


FIG. 3

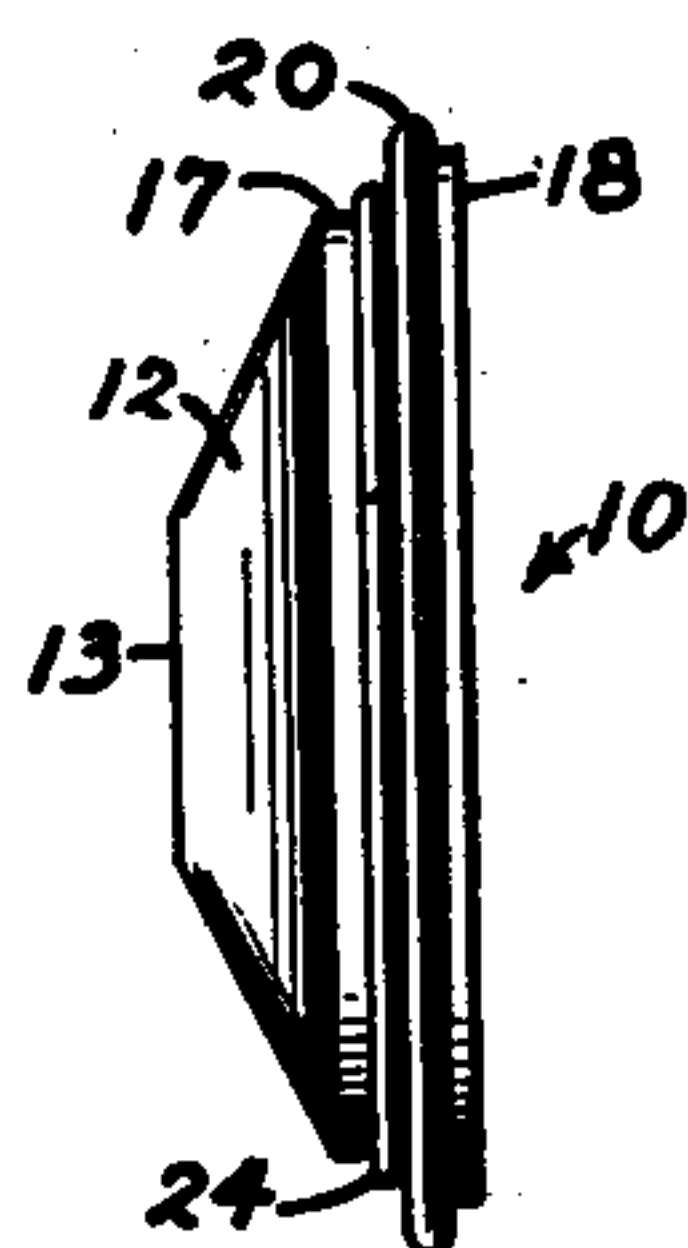


FIG. 4

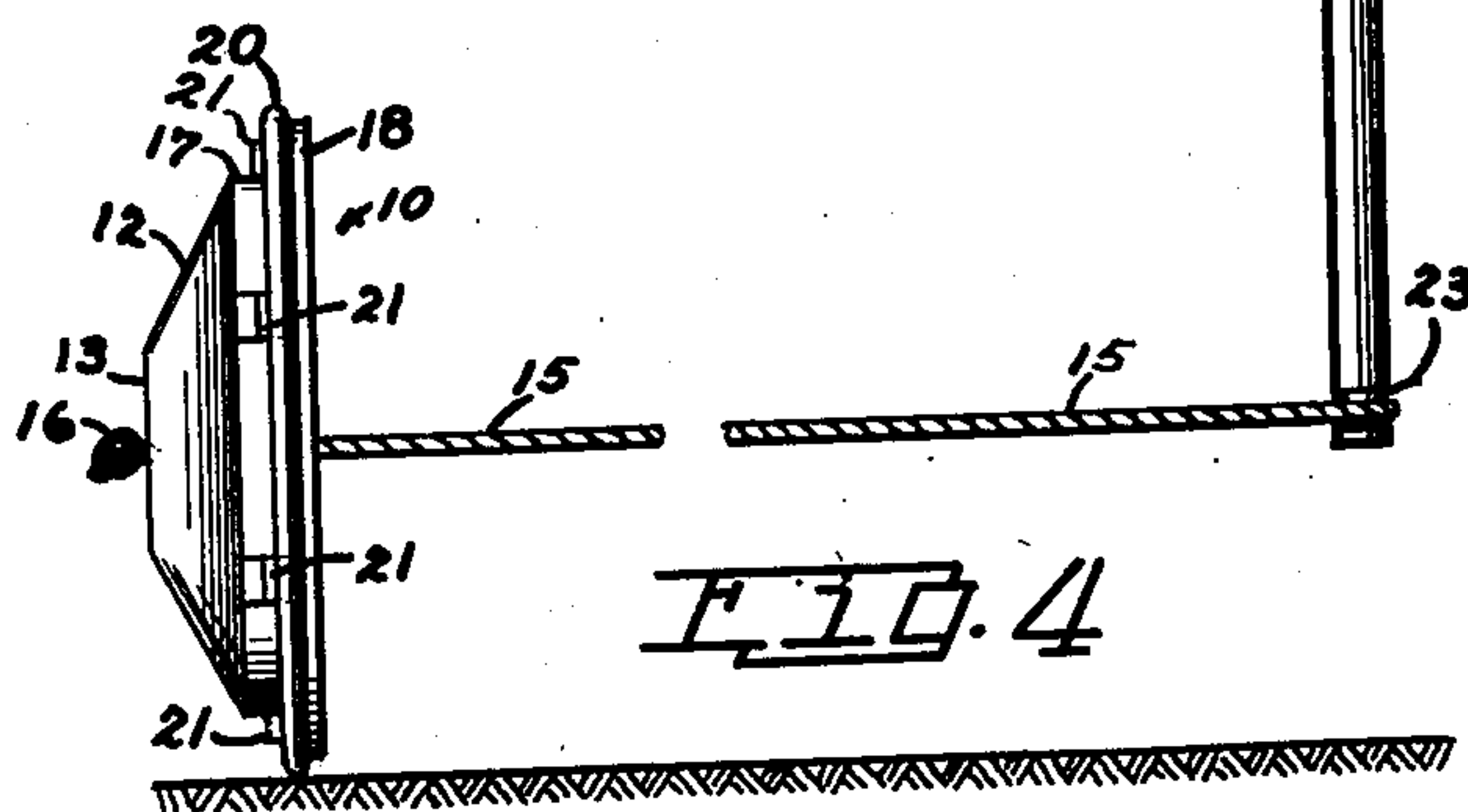


FIG. 5

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ROLLING DISK TOY

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1 Claim. (Cl. 46—220)

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The present invention relates to toys and particularly to that type of toy that will roll.

It is an object of the present invention to provide a rolling toy having a string centrally connected therewith to furnish support during rotation.

Another object of the present invention is the provision of a stick to which one end of a string is attached, the opposite end of the string being secured to the toy, or disc.

A still further object of the present invention is the provision of a disc having a horizontal flange.

A still further object of the present invention is the provision of a disc having a vertical flange that is integral with the horizontal flange.

A still further object of the present invention is the provision of a disc having a portion of its body arcuate.

A still further object of the present invention is the provision of a disc having the central portion of the arcuate portion flat.

A still further object of the present invention is the provision of a disc having a rubber tire mounted on the horizontal flange.

A still further object of the present invention is the provision of means for securing the rubber tire on the horizontal flange.

In the accompanying drawing we have illustrated the preferred form of our invention, it being understood that changes in detail may be made within the scope of the claim hereto appended.

In the drawing:

Figure 1 is an end elevational view of our improved rolling toy.

Figure 2 is a side elevational view of our improved rolling toy and illustrating the flat portion thereof and the aperture for the supporting or propelling string.

Figure 3 is an enlarged sectional view taken on line 3—3 of Figure 2 with a string added.

Figure 4 is a view illustrating the stick holding the string in approximate parallelism with a surface, and the disc in a vertical position, the string and stick being shown broken.

Figure 5 is an end elevational view of a modified form of the invention and illustrating modified means for securing a tire on the disc.

Referring to the drawing in which like numerals represent like parts in all of the views, the numeral 10 represents our rolling toy and it comprises a disc 11 that may be of metal or any other suitable material. The disc 11 has a portion 12 of substantially arcuate configuration, with a flat

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portion 13 and a centrally disposed aperture 14 that receives a cord or string 15, one end 16 of the cord or string being knotted to hold the disc 11. The disc has a horizontal flange or rim 17 and a vertical flange 18, a portion 19 of which is bent upon itself and impinges against the vertical flange 18 to reinforce it.

The flange or rim 17 receives a tire 20 of rubber or other suitable material, one side wall of which abuts against the portion 19, and may abut against vertical flange 18 depending upon the thickness of the metal. The tire 20 is held on the flange 17 by cleats 21 that are punched out of the horizontal flange or rim 17 and as shown they are bent upwardly clamping the rubber tire 20 between the cleats and the flange 18 and portion 19. In Figure 3 it is to be noted that one wall of the tire is not shown in impingement with the vertical flange for the reason the view is distorted to show the bent portion 19 in detail.

The opposite end of the string or cord 15 is secured to one end of a stick 22 that may be of any desired length, the end of the string being in the form of a loop or a loop being tied, the loop being passed over the end of the stick and in engagement with the groove 23.

In Figure 5 a modified form of securing means for the rubber tire 20 is illustrated on the disc 11 and it is in the form of a split spring ring 24.

In rolling the toy, the stick is held in one hand of an operator and the string made taut, the operator then manipulating the stick and string to get the disc 11 rolling. After the disc starts rolling the stick provides a means for manipulating the disc so that it may be rolled in a vertical position by holding one end of the stick down until the string is approximately parallel to the surface upon which the disc is rolling, the operator during this operation being able to walk erect and keep the toy or disc rolling as he walks along. If it is desired to roll the disc at an angle, the end of the stick is elevated above the central point of the disc, and this holds the string taut at an angle, the disc also assuming an angle.

While the present invention has been disclosed in connection with certain specific embodiments thereof, it is to be understood that these are by way of illustration and that the invention is to be defined by the attendant claim.

What is claimed is:

A rolling toy comprising a disc, a string and a handle, a vertical and a horizontal flange on the periphery of said disc, struck up lugs on said horizontal flange, outwardly converging walls tapering from the outer periphery of said horizontal

flange and terminating at a circular plane portion, said plane portion being parallel to said vertical flange, a rubber ring around the horizontal flange clamped between said vertical flange and said struck up lugs, said string fastened at one end to the center of said circular plane portion, and to the handle at its other end.

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