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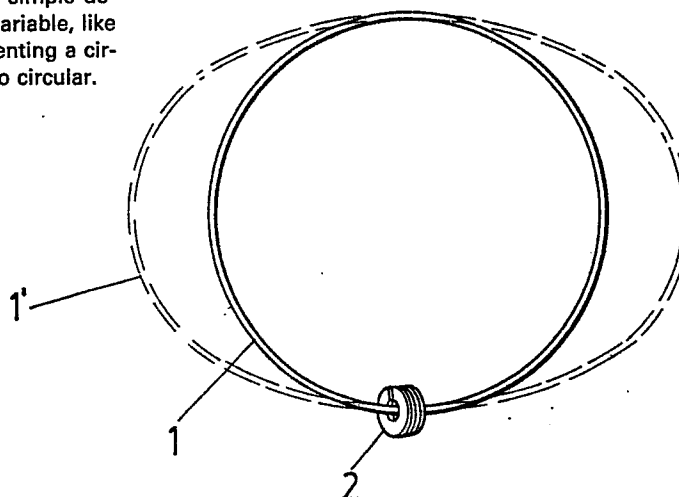
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54 **Improved ability toy.**

57 The invention concerns a skill toy, in which there participate a ring and a plurality of washers that may rotate not only over said ring but also move along same, all of it through a manual impact, which washers are affected with a radial cut which allows their coupling in the ring through simple deformation, being the periphery of the washers variable, like the configuration of the ring, but said ring presenting a circular section and the washers an inner hole, also circular.

FIG.-1



-1-

IMPROVED SKILL TOYDESCRIPTION

5 OBJECT OF THE INVENTION.--

10 The present invention refers, as expressed in the title of this specification, to a skill toy that, as evident, is intended to develop the manual skill of the person handling it, which has been sensibly improved in order to simplify its structural characteristics and potentiate its attractive of use, all of it without detriment of its basic functional characteristics.

15 ANTECEDENTS OF THE INVENTION.--

20 The applicants themselves are the owners of the Utility Model no. 284.290, in which it is described and claimed a skill toy basically constituted by means of the functional combination of a ring and a plurality of washers, coupled to same, so that the user fastening the ring with one of his hands and supplying to the washers a rotating sense, by means of a tangential impact on same with the other hand, said washers ascend along any of the two ascending areas of the ring, established as from their extreme lower level, according to the sense of rotation supplied to such washers.

30 Well then, in the cited Utility Model is was expected that the ring adopted a circumferential configuration and were provided in its periphery with a helicoidal groove, of a continuous or variable pitch, determining a "clasping" element for the wa-

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-2-

shers, whilst for such washers it was foreseen, in turn, a considerable weight, to which purpose they were of a metallic nature, and a coating of soft material preferably plastic, to avoid damages on the hands of
5 the user in the tangential impact to be given on same.

DESCRIPTION OF THE INVENTION.-

10 It has been proven later on that the ring may present its surface fully smooth, and without the absence of the helicoidal groove makes it impossible the ascent of the washers, as well as that the cited ring may adopt any rounded configuration, alien to the circumferential one. In parallel it has also been proven
15 that it is not necessary a considerable weight in the washers for these to acquire the adequate inertia and that in consequence they may be exclusively obtained on basis of plastic material or other light and easy to obtain material in a molding or similar process.

20 Complementarily and as another characteristic of the invention, it has been foreseen that such washers present a radial cut, at any point of their periphery, which together with the elastic nature of the material
25 that makes up same, allow their easy implantation in the ring, which on one side will serve to graduate the difficulty of the game or its progressive learning and on the other, solves the problem of the prior Utility Model in which, as the washers are fully closed, their
30 mounting on the ring should be made prior to the closing of said ring on itself, which forced as well to use a metallic material for its configuration, now being feasible to obtain said ring also on basis of plastic material, by moulding or by any other adequate
35 procedure.

-3-

It has also been proven that the shape of circular crown for the washers, set forth in Utility Model 284. 290 is neither exclusive, and that the washers perfectly comply with their work of ascent on any of the two branches of the ring, provided their internal groove be preferably circular, but the external contour may be irregular, in order to represent any type of lamina figure, of an animal or of any other object, provided that it be kept for these pieces a share of material that keeps the center of gravity of same sensibly situated in correspondence with the imaginary axle of rotation of the "washer".

DESCRIPTION OF THE DRAWINGS.-

To complement the description that is being made and in order to help to a better understanding of the improvements preconized, it is enclosed to the present specification, as an integral part of same, a unique sheet of drawings in which with an illustrative and not limitative character, the following has been represented:

Figure 1.- Shows a perspective view of a skill toy made in accordance with the improvements object of the present invention, in which on a continuous and discontinuous trace are represented two possibilities of conformation for the ring and in which the washers adopt the classical configuration in circular crown.

Figure 2.- Shows an extended plant view of one of said washers, in which it is noted the radial cut of same to ease its coupling to the ring, and in which under discontinuous trace it has been represented the possibility that the contour or external edge of said

-4-

washer results irregular and capricious to attain any figure that makes the toy more attractive.

PREFERENT EMBODIMENT OF THE INVENTION.-

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On view of these figures, it can be seen how the toy preconized is made up by means of a ring 1, preferably in plastic, of a circular section, of a variable diameter, with its surface smooth or with notches or superficial drawings and that the circumferential configuration represented under continuous trace may be adopted, or the oval configuration represented with a discontinuous trace and referenced with 1', and any other configuration in which fundamentally are established rounded shapes.

15

With the ring 1-1' cooperate a plurality of washers 2, obtained also on basis of plastic material, like the very ring 1, with the special particularity that such washers present a radial cut 3 which allows, by means of elastic deformation of same, their easy coupling in the ring 1.

20

In accordance with another characteristic of the invention, the cited washers 2, which will always present a circular centered hole 4, through which edge they will play on the ring 1-1', they may present their external edge 5 also circumferential, in accordance with the representation of figure 1 and of the representation under continuous trace of figure 2, or it may either adopt any other capricious configuration, like that shown under discontinuous trace in figure 2, in which the washer 2' resembles the silhouette of a small pig, being it practically unlimited the possibilities with respect to the formal external configuration of such wash-

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-5-

ers, provided the previously cited constant is kept that the center of gravity of the laminar body which makes up same, be sensibly situated over the imaginary axle of rotation 6 of the washer.

5

Thus and in accordance with the structuration described, not only the ring 1 but also the complementary washers 2, are obtained on basis of plastic material, for which their constructive process results very cheap being both pieces, that is, ring and washers, obtained independently and the latter resulting easily coupleable to it, with the cooperation of the cut 3 of which they are provided, with which also the mounting of the toy results mostly rapid and simple, and in consequence economic.

15

Parallelly, the ring 1 may adopt varied and capricious shapes, provided these be rounded, and in a similar way the washers 2 may configurate the silhouette of any animal, person, object, etc. provided also the constant be kept that the center of gravity of said laminar body be sensibly situated over its axle of rotation after its coupling in the ring 1.

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-6-

C L A I M S

1.- Improved skill toy, which being constituted by means of the functional combination of a ring and a
5 plurality of washers set forth on same, washers capable to freely rotate on the cited ring, longitudinally moving over same, by means of a manual and tangential impact supplied to same, essentially characterized in that the cited ring, which may adopt a circumferential configuration, or oval-shaped or any other rounded configuration, presents a constant circular section and a
10 smooth surface or with superficial notches, being preferably obtained in plastic material, whilst the washers, also obtained in this material, present a radial cut which allow their coupling to the ring by means of
15 simple deformation with latter elastic recuperation.

2.- Improved skill toy, as per claim 1, characterized in that the cited washers present as a constant
20 their central hole circular, in which the complementary ring plays, and the radial cut for its coupling to the latter whilst its periphery or external edge may adopt varied configurations, so that such washers are resembled to the silhouette of different objects, keeping in turn as constant the fact that the center of
25 gravity of the cited silhouette be sensibly situated in correspondence with the imaginary axle of rotation of the washer.

FIG-1

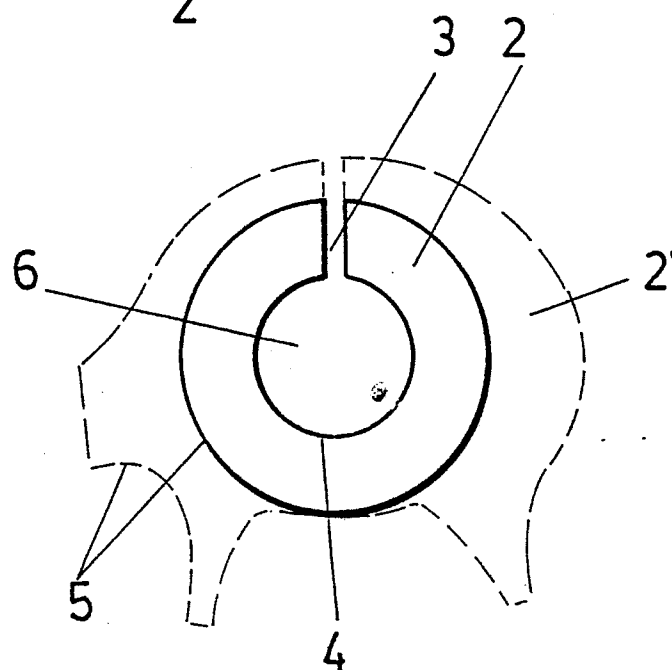
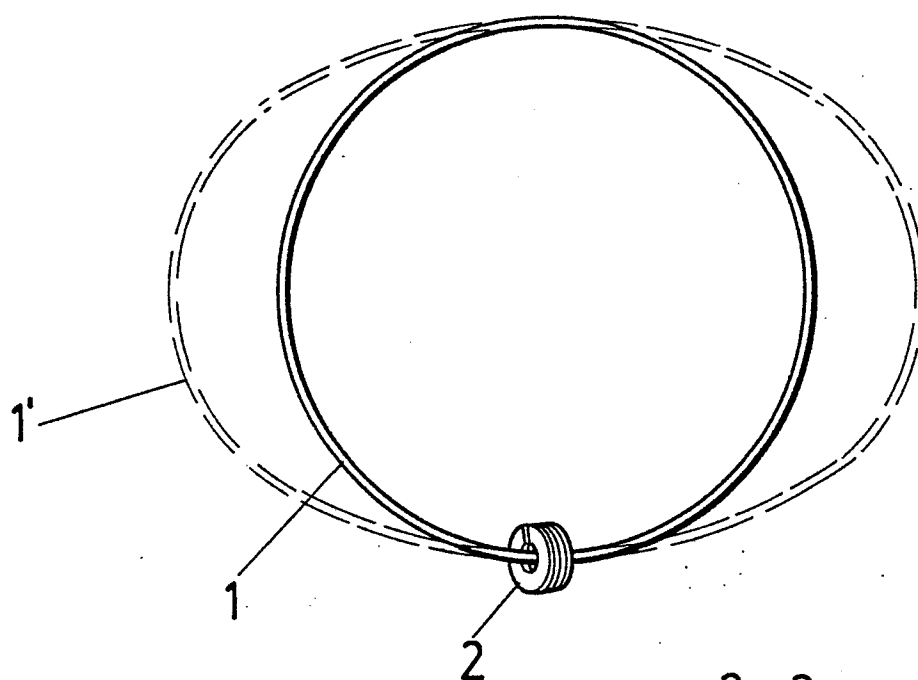


FIG-2