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(54) **Toy made of a flexible stamped sheet**

(57) Toy consisting of a flexible die-cut sheet 1, **characterised in that** it comprises a tubular body 2 that extends along one of its edges by means of a flange 3, in such a manner that it can be launched by fitting the tubular body 2 over a finger and flexing the flange 3 with another finger so as to obtain a simple toy that can perform the

actions illustrated in figures 1 and 2, i.e. firstly, the tubular part is fitted over a finger, index or middle, and the flange is flexed backwards to accumulate potential energy in the flange, which acts as a spring, and is then released as shown in figure 2, in such a manner that the elastic energy is transformed into kinetic energy, launching the toy.

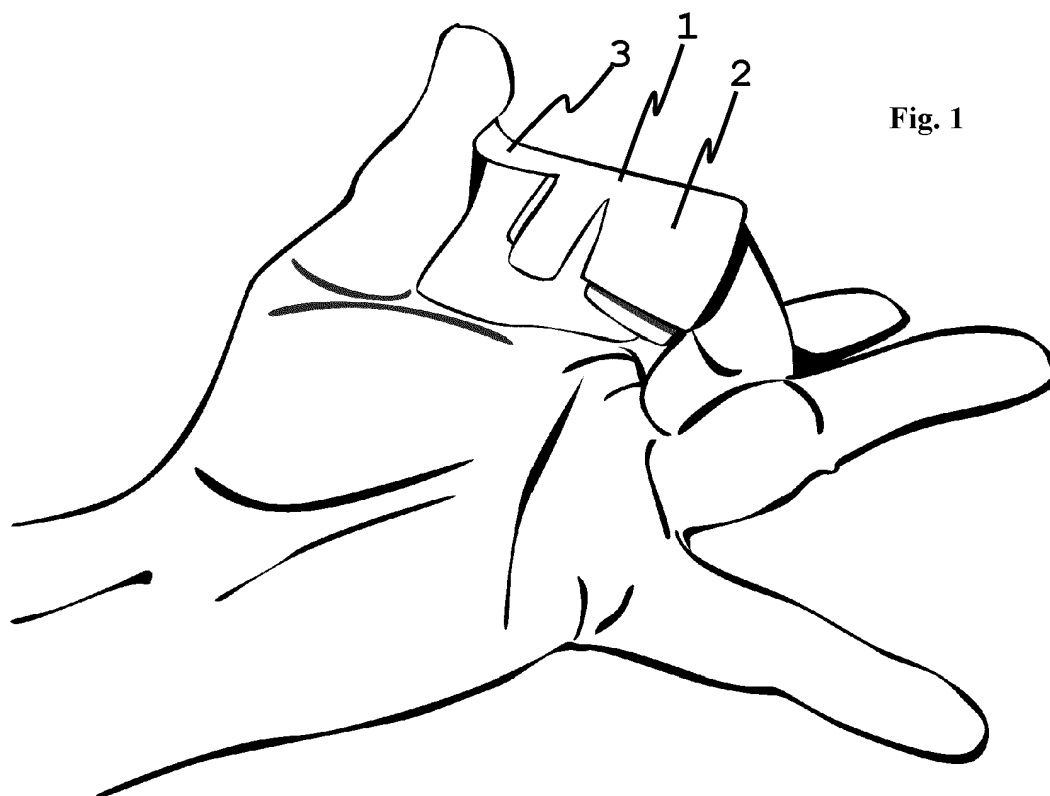


Fig. 1

Description

FIELD OF THE INVENTION

[0001] The present invention relates to a highly simple toy consisting of a flexible die-cut sheet which can be used in launch games.

BACKGROUND OF THE INVENTION

[0002] Toys consisting of a flexible die-cut sheet having cutouts for obtaining, by interlocking of said cutouts and/or folding along fold lines, a three-dimensional toy are known to exist.

[0003] These are **characterised in that** they are simple, easy to manufacture and to integrate with other products, among other things.

[0004] Some of these toys offer, in addition to enjoyment during assembly itself, technical functions which allow said toys to be used in games, such as for example launch dexterity games.

[0005] Many of these comprise an additional elastic element in order to be launched.

[0006] However, said additional element raises their cost and increases the volume of the object as it is presented.

[0007] Therefore, an object of the present invention is to provide a toy that can consist of a flexible die-cut sheet, which can be launched without need for an additional elastic element.

DESCRIPTION OF THE INVENTION

[0008] To this end, the present invention proposes a toy consisting of a flexible die-cut sheet, **characterised in that** it comprises a tubular body that extends along one of its edges by means of a flange, in such a manner that it can be launched by fitting the tubular body over a finger and flexing the flange with another finger.

[0009] Preferably, the toy comprises two extensions that extend perpendicularly to the flange and tangentially to the edge of the tubular body.

[0010] Said part can be fitted, by means of its tubular body, over the middle or index finger and is launched forward upon applying pressure with the thumb on the flange.

[0011] Advantageously, according to different non-limiting options:

- The sheet is composed of a rectangular body and an extension extending from one of its major sides, said rectangular body constituting, once folded, the tubular body, wherein the extension corresponds to the flange, thereby obtaining a silhouette that imitates the human form as follows: upper rectangle: head / lower rectangle: trunk.
- The rectangular body comprises two incisions parallel to the major sides which extend from the minor

sides.

- The major side of the rectangular body has a length comprised between 70 and 85 mm, and the minor side between 30 and 40 mm.
- The major side of the rectangular body has a length comprised between 75 and 80 mm, and the minor side between 33 and 37 mm.
- The extension is a rectangle with one of the sides comprised between 26 and 30 mm and the other comprised between 15 and 20 mm.
- The incisions are between 8 and 12 mm from the edge wherefrom the flange extends and have a depth of between 22 and 27 mm.
- The rectangular body comprises two incisions between 10 and 15 mm in length, with opposing openings, parallel to the minor sides and at a distance of between 7 and 10 mm therefrom.
- The extension has a marked fold line, centered and perpendicular to the major side of the rectangular body, in such a manner that a rib or fold which has the objective of causing further stress when applying pressure and favouring movement of the part is mechanically configured.
- The sheet has chamfered corners.

[0012] Finally, the sheet is made of plastic material.

BRIEF DESCRIPTION OF THE FIGURES

[0013] In order to better understand that expounded above, a set of drawings are attached wherein, schematically and merely by way of non-limiting example, a practical case of embodiment is represented.

Figure 1 shows the toy disposed on the hand prior to launching.

Figure 2 shows the toy being launched.

Figure 3 shows a top plan scaled view of the die-cut sheet as of which the toy is assembled.

DESCRIPTION OF A PREFERRED EMBODIMENT

[0014] As illustrated in figure 1, the invention relates to a toy consisting of a flexible die-cut sheet 1, **characterised in that** it comprises a tubular body 2 that extends along one of its edges by means of a flange 3, in such a manner that it can be launched by fitting the tubular body 2 over a finger and flexing the flange 3 using another finger.

[0015] Thanks to this configuration, a simple toy is obtained which can perform the actions illustrated in figures 1 and 2, i.e. firstly, the tubular part is fitted over a finger, index or middle, and the flange is flexed backwards in order to accumulate potential energy in the flange, which acts as a spring, to then release it, as shown in figure 2, in such a manner that the elastic energy is transformed into kinetic energy, launching the toy.

[0016] Additionally, as the tubular body and flange are

on the rotation plane they confer certain rotational stability in the air.

[0017] The toy also comprises two extensions 4a, 4b that extend perpendicularly to the flange 3 and tangentially to the edge of the tubular body 2, which give the toy a doll-like appearance.

[0018] As can be observed in figure 3, the sheet 1 is composed of a rectangular body 1a and an extension 1b that extends from one of its major sides, where said rectangular body 1a, once folded, constitutes the tubular body 2 and where the extension 1b corresponds to the flange 3. Therefore, it is a highly simple design.

[0019] The rectangular body also comprises two parallel incisions 1e, 1f on the major sides that extend from the minor sides, in such a manner that on folding the lower part one part remains unfolded and constitutes the arms of the doll obtained.

[0020] With regard to measurements, the following are preferred:

- The major side of the rectangular body 1a has a length comprised between 70 and 85 mm, and the minor side between 30 and 40 mm.
- The major side of the rectangular body has a length comprised between 75 and 80 mm, and the minor side between 33 and 37 mm.
- The extension 1b is a rectangle having one of the sides comprised between 26 and 30 mm and the other comprised between 15 and 20 mm.
- The incisions 1e are between 8 and 12 mm from the edge wherefrom the flange extends and have a depth of between 22 and 27 mm.

[0021] The sheet also comprises two incisions 1c, 1d between 10 and 15 mm in length, with opposing openings, parallel to the minor sides and at a distance therefrom of between 7 and 10 mm, allowing mutual interlocking thereof to form the three-dimensional toy.

[0022] In order to give the flange 3 rigidity the extension 1b has a marked fold line 1g, centered and perpendicular to the major side of the rectangular body. In this manner, on assembling the toy, the flange is slightly folded along said pre-marked line, adopting a V-shaped cross-section and allowing certain resistance to flexion.

[0023] In order to facilitate handling, the sheet 1 has chamfered corners.

[0024] The sheet can be made of any plastic material sufficiently flexible to allow folding and resist the stress produced during launching.

Claims

1. Toy consisting of a flexible die-cut sheet (1), **characterised in that** it comprises a tubular body (2) extending along one of its edges by means of a flange (3), in such a manner that it can be launched by fitting the tubular body (2) over a finger and flexing

the flange (3) with another finger.

2. Toy according to claim 1, which comprises two extensions (4a, 4b) that extend perpendicularly to the flange (3) and tangentially to the edge of the tubular body (2).
3. Toy according to claim 1, wherein the sheet (1) is composed of a rectangular body (1a) and an extension (1b) extending from one of its major sides, said rectangular body (1a) constituting, once folded, the tubular body (2) and wherein the extension (1b) corresponds to the flange (3).
4. Toy according to claim 1 and claim 3, wherein the rectangular body (1a) comprises two incisions (1e, 1f) parallel to the major sides and which extend from the minor sides.
5. Toy according to claim 3 or 4, having a length comprised between 70 and 85 mm on the major side of the rectangular body (1a) and between 30 and 40 mm on the minor side.
6. Toy according to the preceding claim, having a length comprised between 75 and 80 mm on the major side of the rectangular body (1a) and between 33 and 37 mm on the minor side.
7. Toy according to any of the two preceding claims, wherein the extension (1b) is a rectangle where one of the sides is comprised between 26 and 30 mm and the other is comprised between 15 and 20 mm.
8. Toy according to claim 4, wherein the incisions (1e, 1f) are disposed at a distance of between 8 and 12 mm from the edge wherefrom the flange (3) extends and have a depth of between 22 and 27 mm.
9. Toy according to any of claims 3 and any dependent thereupon, which comprises two incisions (1c, 1d) between 10 and 15 mm in length, with opposing openings, parallel to the minor sides and at distance therefrom of between 7 and 10 mm.
10. Toy according to any of claims 3 to 9, wherein the extension (1b) has a marked fold line (1g), centered and perpendicular to the major side of the rectangular body.
11. Toy according to any of the preceding claims, wherein the sheet (1) has chamfered corners.
12. Toy according to any of the preceding claims, wherein the sheet (1) is made of plastic material.

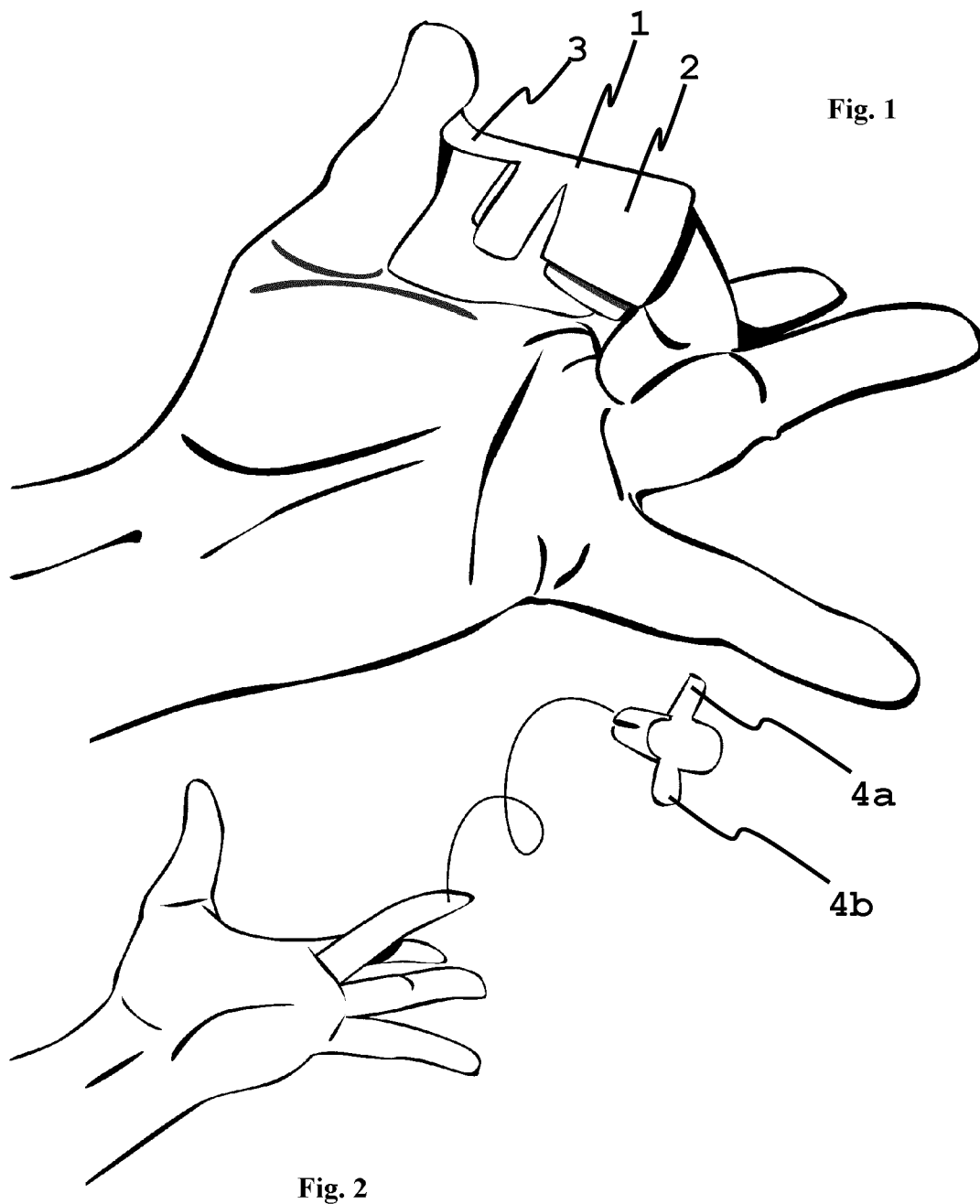


Fig. 3

