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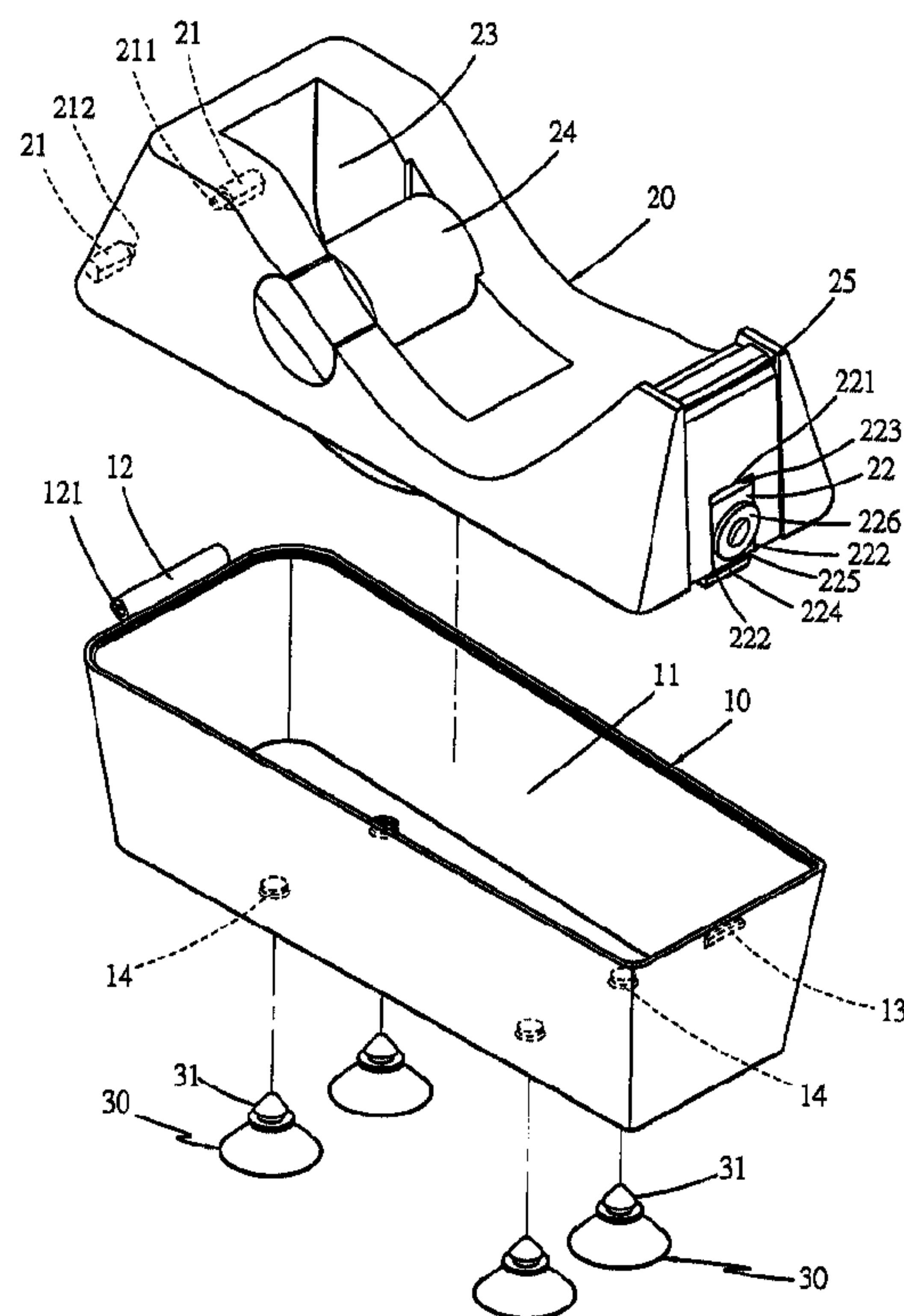
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(54) Titre : DEVIDOIR DE RUBAN COMBINATOIRE A USAGES MULTIPLES

(54) Title: COMBINATORIAL MULTI-USE TAPE DISPENSER



(57) **Abrégé/Abstract:**

A combinatorial multi-use tape dispenser includes a housing with an open upper side, a tape dispenser body pivotally connected to and on the housing to swing up and down on the housing, and then small stationary items stored in a hollow space of the housing may expose to be taken out for use when the tape dispenser is swing up. The bottom of the housing has four suction discs engaged in four holes of the bottom of the housing to secure the tape dispenser on a table by sucking. Thus the table surface may have larger dimensions for work and easy to arrange.



ABSTRACT

A combinatory multi-use tape dispenser includes a housing with an open upper side, a tape dispenser body pivotally connected to and on the housing to swing up
5 and down on the housing, and then small stationary items stored in a hollow space of the housing may expose to be taken out for use when the tape dispenser is swing up. The bottom of the housing has four suction discs engaged in four holes of the bottom of the housing to secure the
10 tape dispenser on a table by sucking. Thus the table surface may have larger dimensions for work and easy to arrange.

TITLE: COMBINATORIAL MULTI-USE TAPE
DISPENSER

BACKGROUND OF THE INVENTION

5 This invention relates to combinatorial multi-use tape dispenser, particularly to one having various uses for containing small stationary items, not taking much space of a table surface.

A tap dispenser and a stationary case are common
10 utensils in offices, placed on a table for ready use. A table surface for each employee may be often limited and not enough for placing various kinds of office utensils.

A known conventional tap dispenser 1 shown in Fig.1 has an intermediate hollow space for placing a tape
15 2, which is pulled out from the dispenser 1 for use. To prevent the dispenser 1 from moving forward when pulling the tape 2, the bottom of the dispenser 1 has a hollow space 3 preset for filling in something like sand 4 to make the dispenser 1 heavy so as not to be moved with
20 the tape 2 pulled out. The bottom of the dispenser 1 is provided with two holes 5 to communicate with the hollow space 3 for filling in sand 4 therein and then sealed with a seal pads 6 to prevent sand 4 from leaking out. But this kind of manufacturing process is
25 complicated and not convenient. In pulling out the tape 2, the dispenser 2 is often also pulled forward together if the pulling force is too large to surpass the weight of the

dispenser 1, and then a hand has to be used to push the dispenser 1 immovable. In addition, the seal pads 6 are made of foam material liable to wear off for sand 4 to leak out.

5 SUMMARY OF THE INVENTION

The purpose of the invention is to offer a combinatorial multi-use tape dispenser having a tape dispenser body placed on a housing and a hollow space formed in the housing for containing small stationary
10 items therein, saving needed dimensions for them on a table surface.

The invention includes a housing, a tape dispenser body pivotally connected to the housing to swing up and down on the housing, and plural suction discs. The
15 housing has an upper open side and a hollow rectangular space and preferably separated rooms formed in the hollow space for placing small stationary items such as clips, pins, rubber erasers, a paper knife, pens, etc., when the tape dispenser body is swung up to expose
20 small stationary items to be taken out.

BRIEF DESCRIPTION OF DRAWINGS

This invention will be better understood by referring to the accompanying drawings, wherein:

Figure 1 is a cross-sectional view of a known
25 conventional tape dispenser:

Figure 2 is an exploded perspective view of a combinatorial multi-use tape dispenser in the present

invention:

Figure 3 is a perspective view of the combinatorial multi-use tape dispenser in the present invention:

5 Figure 4 is a cross-sectional view of the combinatorial multi-use tape dispenser in the present invention:

Figure 5 is a side view of the combinatorial multi-use tape dispenser with the tape dispenser body swung up and leftward in the present invention: and,

10 Figure 6 is an exploded perspective view of the combinatorial multi-use tape dispenser added with a lengthwise separating plate and plural lateral separating plates on the bottom of the housing in the present invention.

15 DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT

A preferred embodiment of a combinatory multi-use tape dispenser in the present Invention, as shown in Figs. 2 and 3, includes a housing 10 with an
20 open upper side, a tape dispenser body 20, and four suction discs 30 as main components combined together.

The housing 10 is hollow rectangular with an open upper side, having a substantial hollow space 11, a pivot sleeve 12 fixed on an upper edge of a left side and having
25 a pivot hole 121 at two sides, an engage groove 13 formed rectangular in an upper edge of a right side, and two pairs of two aligned holes 14 formed tapered in the

bottom wall to corresponding to the four suction discs 30. The tape dispenser body 20 is pivotally connected to the housing 10, having two pivot bases 21 attached on an outer surface of a left slopped side, each pivot base 21 has a round pivot 211 (long), 212(short) extending straightly from an inside end. The long pivot 211 fits in the pivot hole 121 of the pivot sleeve 12, and the short pivot 212 in the other pivot hole 121 of the pivot sleeve 12 when the tap dispenser body 20 is pivotally connected with the housing 10, Further, the tape dispenser body 20 has a press engage member 22 formed integral in a front side, and the press engage member 22 has an upper horizontal edge 221 connected to the tape dispenser body 20, and two sides 222 completely separated from the tape dispenser body 20, so that the press engage member 22 may be pressed to swing with the upper edge 221 as a fulcrum. In addition, a recess 223 is formed between the upper edge 221 and the tape dispenser body 20 to permit the press engage member 22 have a comparative elasticity to recover its position after pressed. The tape dispenser body 20 further has a button 224 formed in the bottom under the press engage member 22, and a recess 225 formed just on the button 224 to let the button 224 engage the engage groove 13 of the housing 10. The press engage member 22 further has a press button 226 formed on an outer surface to press the press engage member 22. The tape dispenser body 20 has a lengthwise hollow 23

23 formed in a lengthwise intermediate portion and defined by two side sloped surfaces, and a tape shaft 24 movably fitted laterally in the lengthwise hollow 23 for a tape 40 to be movably fitted around it. Further, a
5 saw-toothed blade 25 is fixed on an outer edge of a front wall of the tape dispenser body 20 to cut the tape 40.

The four suction discs 30 respectively have an engage upper portion 31 of a cone-shape to fit smoothly and tightly in the holes 14 of the housing 20, securing
10 the tape dispenser on a table surface 50 by sucking.

In using the tape dispenser, as shown in Fig. 4, place it on a table surface 50, letting the four suction discs 30 flatly on the table surface 50 and press the four suction discs 30 down to let the air therein to flow out.
15 Then the tape dispenser body 20 is pivotally connected to the housing 10 and locked with the press engage member 22. If something such as clips contained in the lower portion of the hollow space 11 is to be used, press manually the press button 226 to push back a little the
20 press engage member 22 as shown in Fig. 5, forcing the button 224 move to disengage from the engage groove 13 of the housing 10. Then press the press button 226 upward to swing up the tape dispenser body 20 with the two pivots 211, 212 to let the hollow space 11 expose to
25 let clips contained there be taken off. If the tape dispenser body 20 is to be closed on the housing 10, swing down the tape dispenser body 20 in the contrary

way described above, then the press button 224 of the press engage member 22 may engage the engage groove 10 of the housing 10 to secure the tape dispenser body 20 with the housing 10.

5 In addition, as shown in Fig. 6, a preset number of separating plates longitudinal and lateral may be added in the lower portion of the hollow space 11 in the housing 10, defining plural small rooms to store various small stationary items therein for use.

10 The invention has the following advantages as can be understood from the aforesaid description.

1. It can contain various stationary small items such as pens, clips, pins, etc. for use, aside from the tape dispenser, saving dimensions for them to be placed on a table surface, having multi-use and easy to arrange the table surface.

2. It has four suction discs to secure the tape dispenser on a table, and so it may not move when the tape is pulled out for use, having no sand contained in the bottom to increase its weight. So it is lighter than the conventional ones, convenient to carry, and subsequently can save cost for transportation. Besides, it does not use sand, simpler to assemble, or soil the table surface with no sand contained.

25 While the preferred embodiment of the invention has been described above, it will be recognized and understood that various modifications may be made

therein and the appended claims are intended to cover all such modifications that may fall within the spirit and scope of the invention. .

CLAIMS

1. A combinatory multi-use tape dispenser comprising a housing, a tape dispenser body, and plural suction discs:

5 Said housing having a rectangular shape, a hollow space and an open upper side, said hollow space used for containing small stationary items such as clips, pins, pens, erasers, etc., a pivot sleeve fixed on an upper edge of a left side and having a pivot hole
10 respectively at two sides, an engage groove formed in an inner upper surface of a right side, and plural preset holes for said plural suction discs:

Said tape dispenser body pivotally connected to and positioned on said housing, having a lengthwise
15 hollow defined by two sloped sides, a tape shaft laterally placed in the intermediate portion of said lengthwise hollow for a wound tape to fit around movably, a saw-toothed blade fixed on an upper end edge of a right side for cutting tape, two pivot bases
20 formed spaced apart on a left sloped side, each said pivot base having a pivot extending straight from an inner side, said two pivots fitting in said two holes of said pivot sleeve of said housing to pivotally connect said tape dispenser body to said housing so as to
25 permit said tape dispenser body to swing up and down with said pivot sleeve fitted with said two pivots of said two pivot bases; said tape dispenser body further

having a movable press engage member formed on a lower portion of a right side surface and a button formed in a bottom edge of said right side to engage with said engage groove of said housing to secure said tape dispenser with said housing:

Said four suction discs respectively having a cone-shaped upper engage portion to fit in said holes of the bottom of said housing, to secure said four suction discs under said housing to secure said tape dispenser on a table by sucking.

2. The combinatory multi-use tape dispenser as claimed in Claim 1, wherein said pivots formed with said pivot bases of said tape dispenser body have one of them short and the other long to facilitate assembly and disassembly of said tape dispenser body with and from said housing.

3. The combinatory multi-use tape dispenser as claimed in Claim 1, wherein said press engage member is formed integral with said tape dispenser body, having an upper horizontal edge connected to said tape dispenser body, and a recess formed between said upper edge of said press engage member and said tape dispenser body to permit said press engage member recover elastically its position after pressed, said press engage member having a round press button formed on an outer surface to press easily, and a recess formed on said button on the bottom edge of

said press engage member.

4. The combinatory multi-use tape dispenser
as claimed in Claim 1, wherein a preset number of
separating plates longitudinal and lateral are provided
5 on the bottom of said tape dispenser body to form a
number of small rooms in said hollow space of said
tape dispenser body to contain small stationary items.

5. The combinatory multi-use tape dispenser
as claimed in Claim 1, said housing has its bottom
10 bored with two pairs of two holes to correspond to
said four suction discs for said upper cone-shaped
portions of the same discs to engage therein.

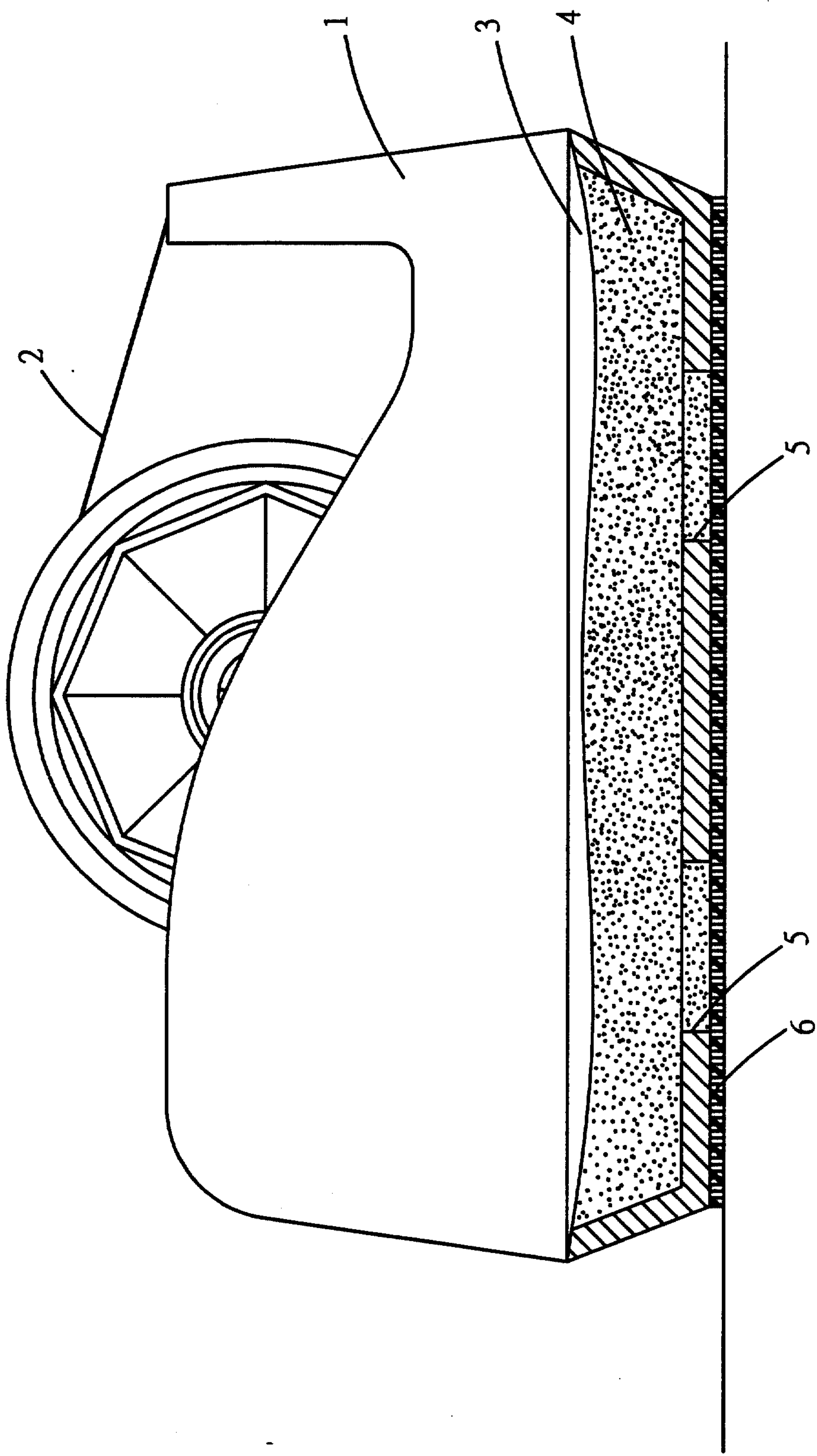


FIG. 1

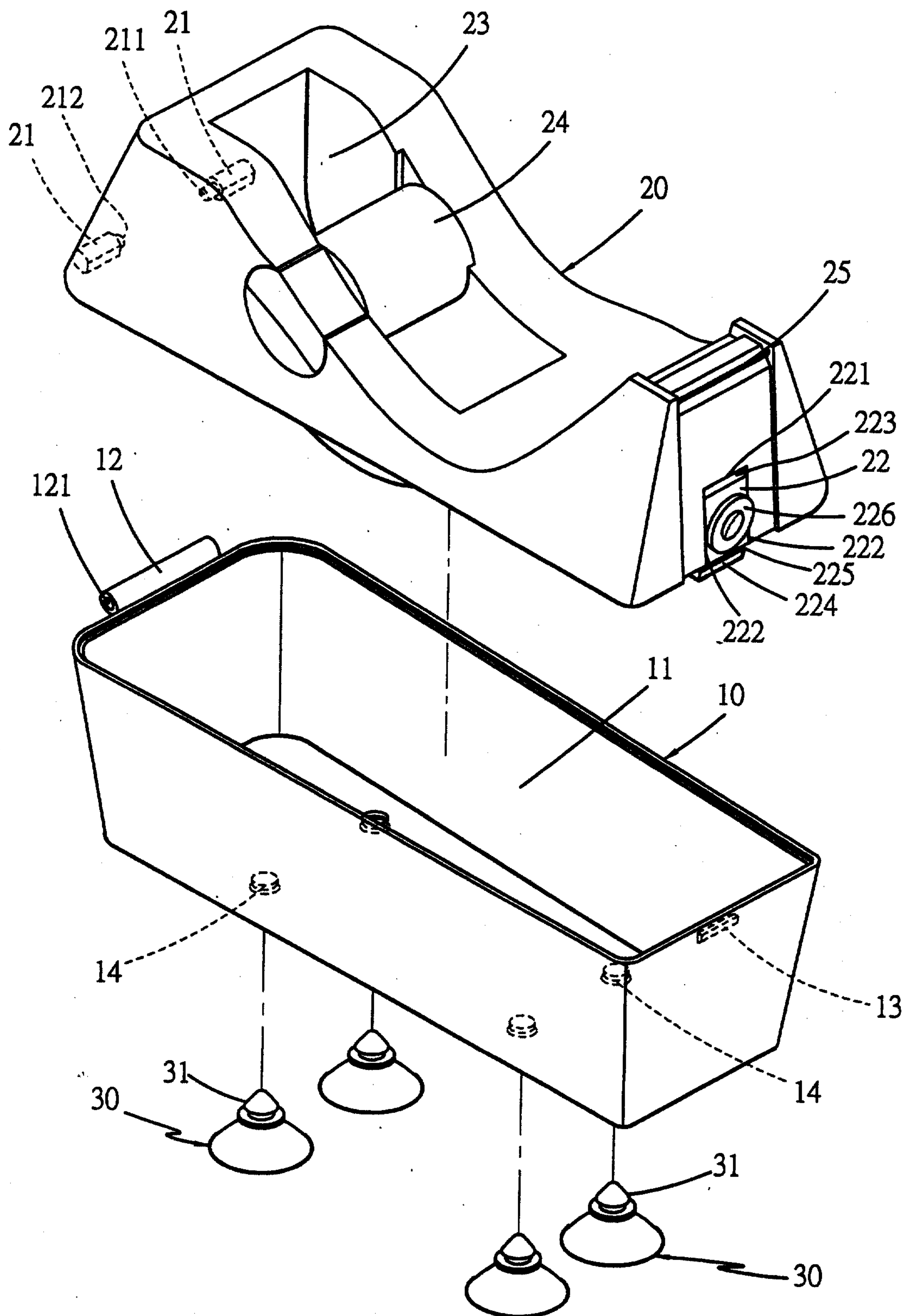


FIG. 2

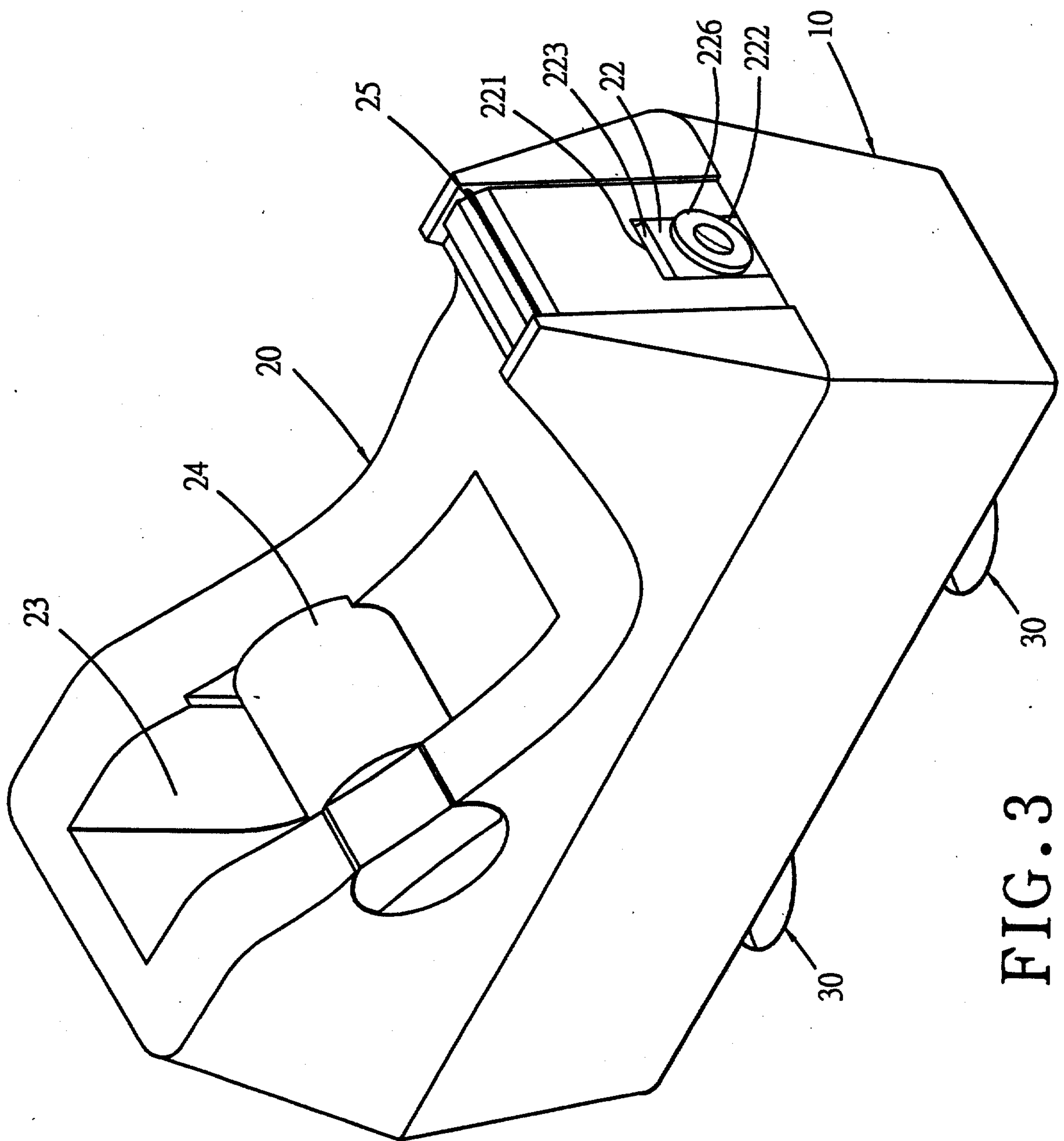


FIG. 3

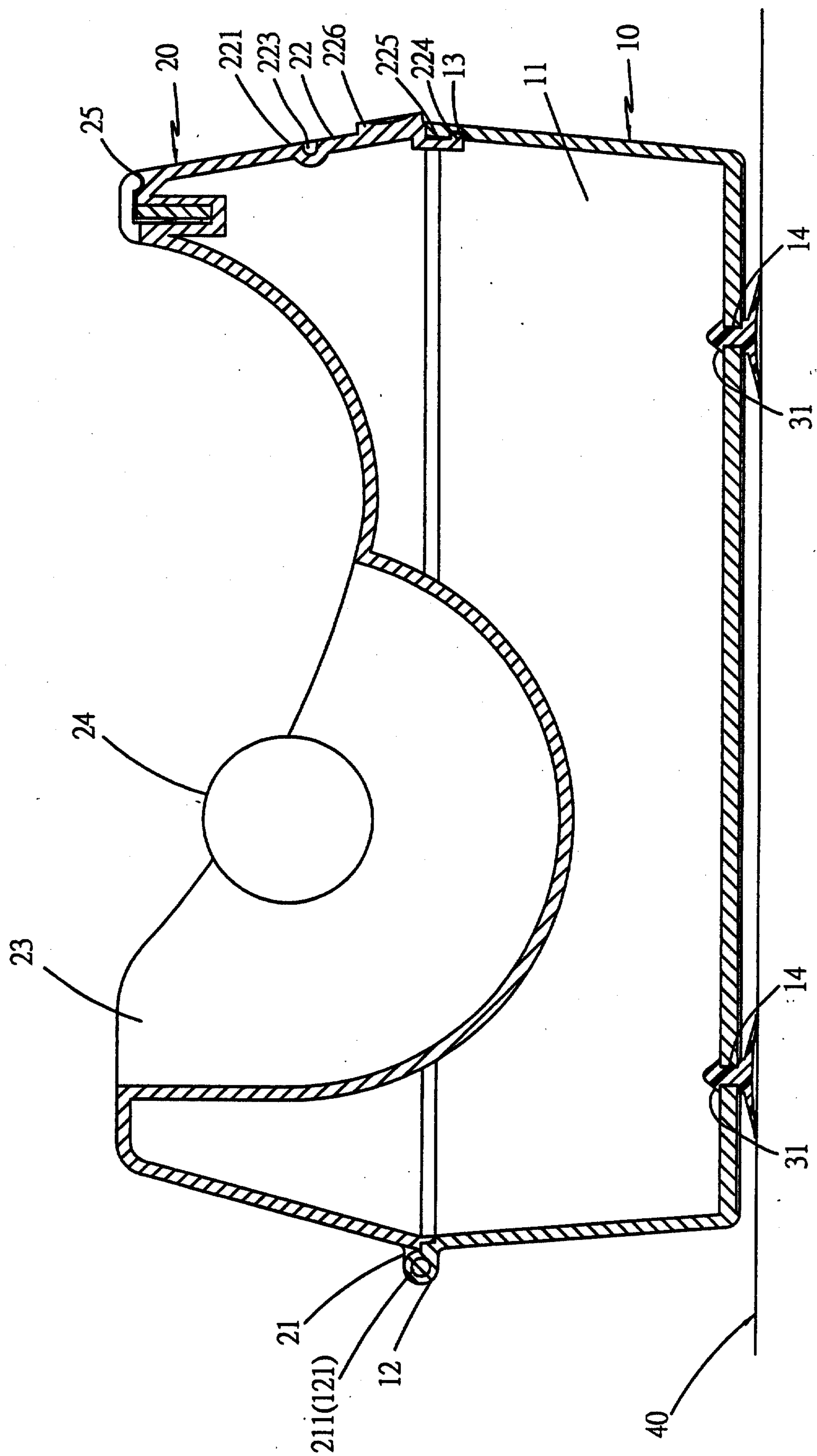


FIG. 4

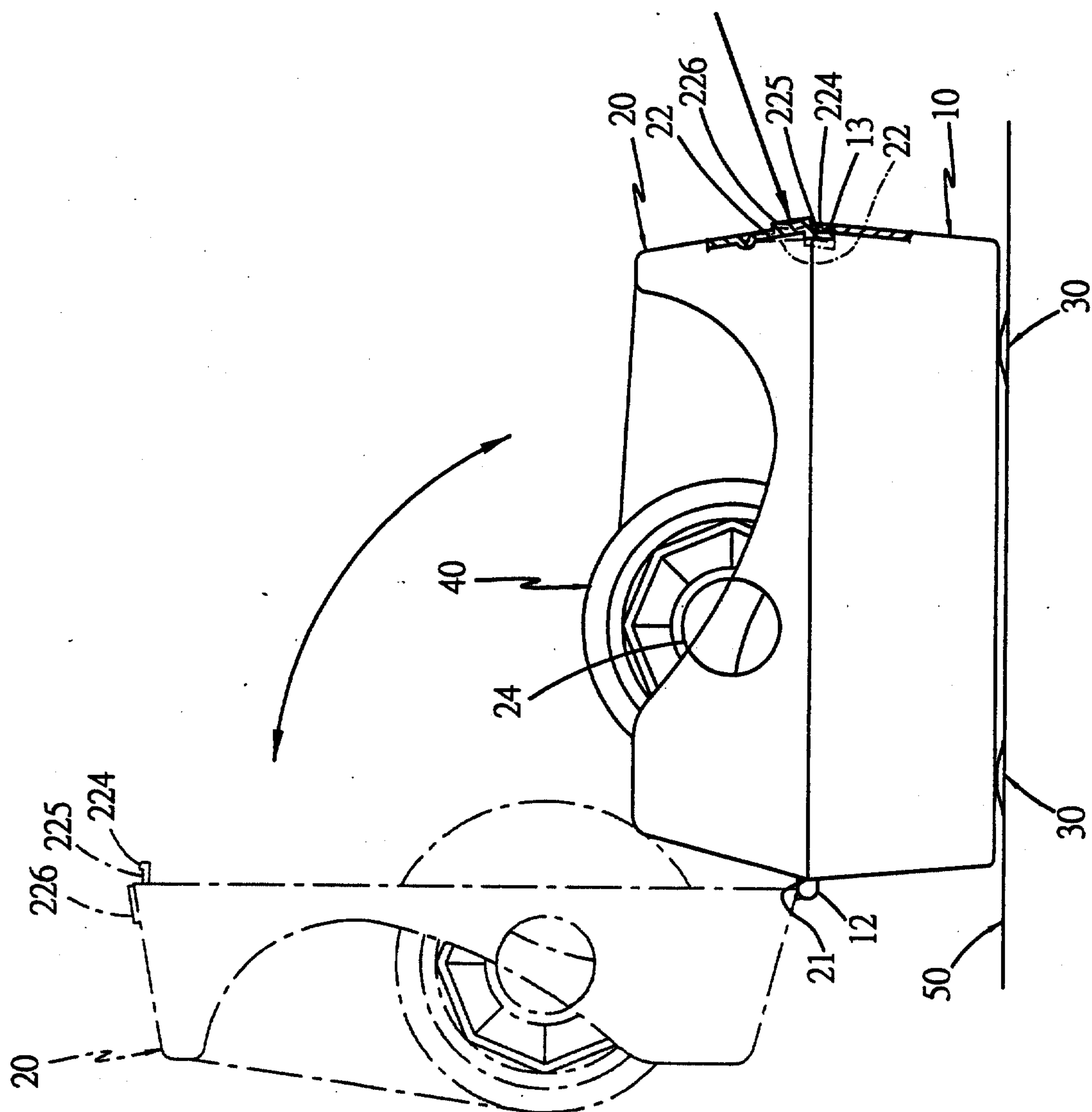


FIG. 5

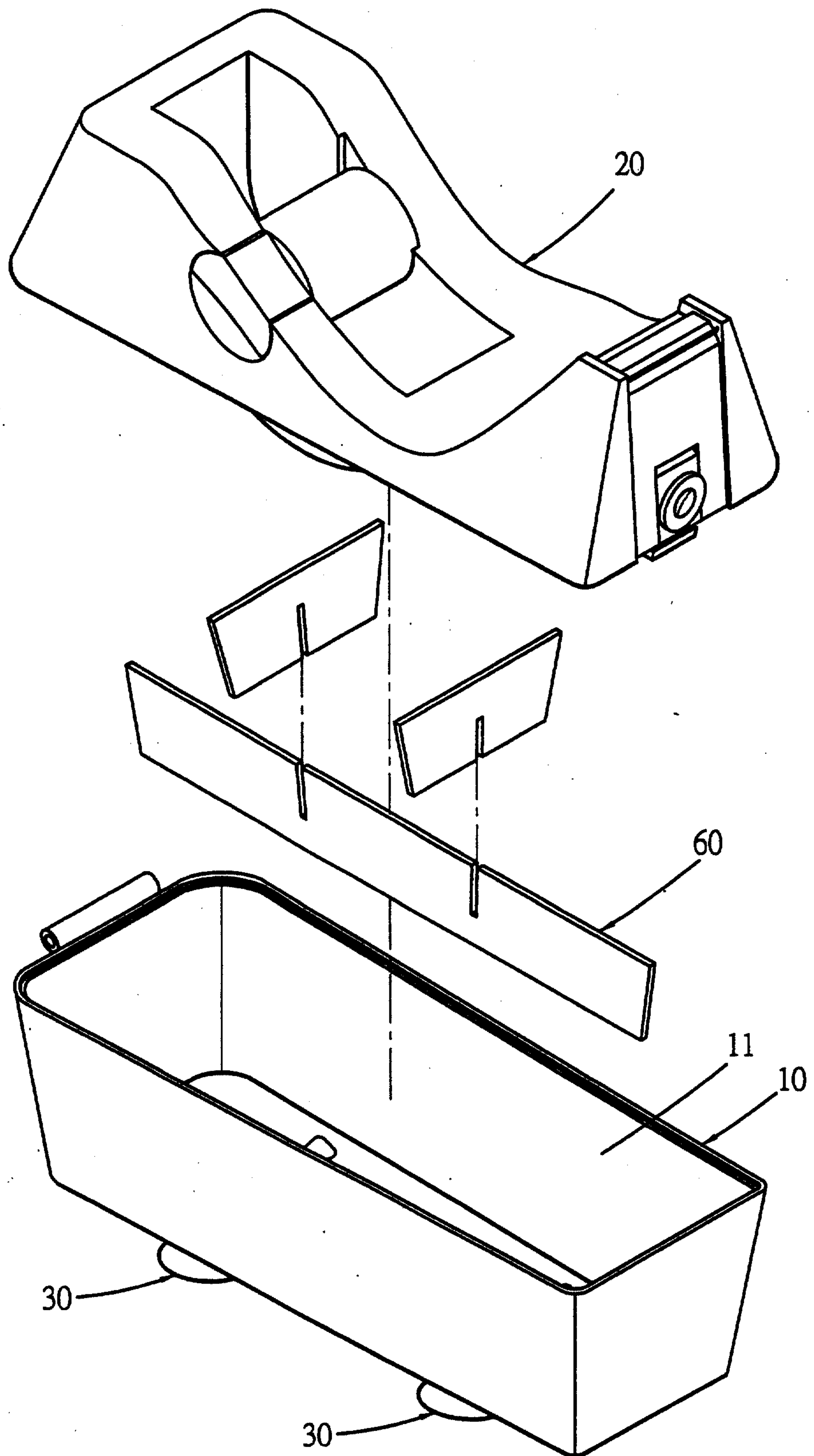


FIG. 6

