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(54) **Container particularly for precut sheets**

Behälter für vorgeschchnittene Tücher

Réceptient pour feuilles prédécoupées

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Description

[0001] The present invention relates to a container particularly for precut sheets.

[0002] As is known, tissues, handkerchiefs and other precut paper sheets are inserted in containers constituted by a cardboard box provided with an upper opening to allow the removal of one sheet at a time.

[0003] The folding arrangement of the sheets within the container, and the shape of the container opening, allow to present one sheet at the opening for an easy grip.

[0004] The openings of currently commercially available containers are arranged longitudinally on the upper face of the container and generally have a rectangular shape with a constant cross-section or an oval shape.

[0005] As is known, during use of the product, when the precut sheets drop below a certain level, the sheets often slide inside the container, making it difficult to remove the sheets that follow.

[0006] US-5967321 discloses a facial tissue carton which enables the user to elevate the clip of tissues within the carton, as the tissues are removed from the carton, by pulling an exposed end of a paper strip.

[0007] US-2002/036153 discloses a facial tissue case provided with a U-shaped lifting plate having side slots that engage side ears of the case. When the level of stacked tissues inside the case drops, the user can lift the plate to a higher position.

[0008] US-5979700 discloses a facial tissue dispensing system which includes a clip lift member constituted by a bendable sheet and elastic members. The elastic members cause the bendable sheet to buckle and push the stacked tissues upwards,

[0009] The aim of the present invention is to provide a container for precut sheets that overcomes the drawbacks of the cited prior art.

[0010] A particular object of the invention is to provide a container in which there is always a sheet at the opening, ready for removal.

[0011] A further object of the invention is to provide a container which, in addition to making it always easy to extract the sheets, is cheap and easy to manufacture with techniques and machines which are already commercially available.

[0012] A further object is to provide a container which can be used for various types of precut paper sheet.

[0013] This aim and these and other objects, which will become better apparent hereinafter, are achieved by a container comprising a box-like body adapted to contain precut paper sheets that can be removed through an upper opening and a lifting device as defined in claim 1 that is adapted to lift the paper sheets towards said opening.

[0014] Further characteristics and advantages of the invention will become better apparent from the following detailed description of preferred but not exclusive embodiments thereof, illustrated by way of non-limiting example in the accompanying drawings, wherein:

Figure 1 is a perspective view of the container according to the invention.

Figure 2 is a perspective view of the container in an overturned position;

Figure 3 is a perspective view of the operation for lifting the precut sheets contained within the container;

Figure 4 is a perspective view of the the lifting operation with the container in the overturned position;

Figure 5 is a plan view of the die-cut cardboard sheet suitable to constitute the container according to the invention.

[0015] With reference to the cited figures, a container according to the invention, generally designated by the reference numeral 1, includes a die-cut body 3, which is constituted by a side piece 5, an upper piece 7, a second side piece 9, and a resting base 11.

[0016] As shown more clearly in Figure 5, tabs 13, 15, 17 and 21 protrude from the free edges of the side pieces 5 and 9 and cooperate with interlocking tabs 23 and 25, that protrude from the free edges of the resting base 11, and with a front piece 27 and a rear piece 29, that protrude from the free edges of the upper piece 7, in order to close and lock the die-cut body 3 so as to constitute the container 1 shown in Figures 1 to 4.

[0017] According to the invention, the container has a device for lifting the sheets of paper. The device is located on the bottom of the box and is activated when the quantity of sheets drops below a certain level.

[0018] More particularly, the lifting device is constituted by a precut strip 31, which lies on the bottom 11 and continues partially on the sides 5 and 9, forming lateral regions 33.

[0019] When the sheets of paper inside the structure drop below a certain level, the user presses the regions 33 located on the sides 5 and 9, as shown in Figure 3, making part of the strip 31 on the bottom 11 retract into the package, as shown in Figure 4, consequently raising the sheets to the required level.

[0020] Preferably, in order to allow the user to determine when it is time to raise the sheets, the container has an indicator means for indicating the level of the sheets of paper. The indicator means is constituted by an opening 35 through which the sheets of paper 37 are visible.

[0021] A colored line, or other marking, 39 is provided next to the window 35 and constitutes a minimum level indicator for activating the lifting system.

[0022] By way of example, for a container having standard dimensions, the precut strip 31 provided on the bottom has dimensions of 4.5 x 11.9 cm, and the regions on the sides have dimensions of 4.5 x 2.5 cm.

[0023] The container has an upper opening 41, which runs longitudinally along the upper piece 7 and is constituted by a central region 43, which is almost rectangular, with curved longer sides 45 and rounded corners 47.

[0024] The central portion 43 is connected to lateral

portions 49, which are substantially rectangular, have a smaller cross-section than the central portion and end with rounded terminal edges 51.

[0025] Respective longitudinal incisions 53 are provided at the terminal edges 51.

[0026] When a sheet is removed, the next one is simultaneously pulled up and positioned outside the opening.

[0027] The incisions 53 provided on the sides of the opening, in which the paper is gripped, prevent the sheet from falling back into the package.

[0028] In practice it has been found that the invention achieves the intended aim and objects, a container having been provided which always allows easy extraction of the sheets and at the same time is cheap and easy to manufacture.

[0029] The materials used, as well as the dimensions, may be any according to requirements and to the state of the art whereby the scope of the invention is defined by the appended claim.

Claims

1. A container, particularly for precut paper sheets, comprising a box-like body adapted to contain said precut paper sheets (37) which can be removed from an upper opening, said box-like body being a die-cut body (3) constituted by a side piece (5), an upper piece (7), a second side piece (9), and a bottom piece (11), said container comprising a lifting device adapted to lift the paper sheets towards said opening, **characterized in that** said lifting device is constituted by a die-cut strip (31), which is formed by a portion of the body and which lies on said bottom piece (11) and continues partially on said side pieces (5, 9), thereby forming side regions (33) such that by pressing said side regions (33) the part of said strip (31) on said bottom piece (11) is retracted into the structure, consequently lifting said sheets (37) to the necessary level.
2. The container according to claim 1, **characterized in that** said die-cut portion (31) comprises at least two positions: a position in which it is substantially flush with the walls of the container body (3) and a position in which it lies partially within said container body (3).
3. The container according to one of the preceding claims, **characterized in that** it comprises tabs (13, 15, 17, 21) that protrude from the free edges of said side pieces (5, 9) and cooperate with interlocking tabs (23, 25), that protrude from the free edges of said bottom piece (11), and with a front piece (27) and a rear piece (29), that protrude from the free edges of said upper piece (7), in order to close and lock said die-cut body (3) so as to constitute said

container.

4. The container according to one of the preceding claims, **characterized in that**, for a container having standard dimensions, said die-cut strip formed on the bottom has dimensions of 4.5 x 11.9 cm and said regions have dimensions of 4.5 x 2.5 cm.

Patentansprüche

1. Behälter, besonders für vorgeschchnittene Papiertücher, mit einem schachtelartigen Körper, der geeignet ist, die vorgeschrittenen Papiertücher (37), die aus einer oberen Öffnung entnommen werden können, aufzunehmen, wobei es sich bei dem schachtelartigen Körper um einen gestanzten Körper (3) handelt, der aus einem Seitenteil (5), einem oberen Teil (7), einem zweiten Seitenteil (9) und einem unteren Teil (11) besteht, wobei der Behälter eine Hebevorrichtung umfasst, die geeignet ist, die Papiertücher zur Öffnung hin zu heben, **dadurch gekennzeichnet, dass** die Hebevorrichtung aus einem gestanzten Streifen (31) besteht, der durch einen Abschnitt des Körpers gebildet wird, auf dem unteren Teil (11) liegt und sich teilweise auf den Seitenteilen (5, 9) fortsetzt, wodurch Seitenbereiche (33) gebildet werden, so dass durch Drücken auf die Seitenbereiche (33) der Teil des Streifens (31) an dem unteren Teil (11) in die Struktur zurückgezogen wird, wodurch folglich die Tücher (37) auf das notwendige Niveau gehoben werden.
2. Behälter nach Anspruch 1, **dadurch gekennzeichnet, dass** der gestanzte Abschnitt (31) mindestens zwei Positionen umfasst: eine Position, in der er im Wesentlichen bündig mit den Wänden des Behälterkörpers (3) ist, und eine Position, in der er teilweise im Behälterkörper (3) liegt.
3. Behälter nach einem der vorhergehenden Ansprüche, **dadurch gekennzeichnet, dass** er Laschen (13, 15, 17, 21) umfasst, die von den freien Rändern der Seitenteile (5, 9) vorragen und mit Verriegelungslaschen (23, 25), die von den freien Rändern des unteren Teils (11) vorragen, und mit einem Vorderstück (27) und einem hinteren Teil (29), die von den freien Rändern des oberen Teils (7) vorragen, zusammenwirken, um den gestanzten Körper (3) zu verschließen und zu verriegeln, so dass er den Behälter darstellt.
4. Behälter nach einem der vorhergehenden Ansprüche, **dadurch gekennzeichnet, dass** der am Boden ausgebildete gestanzte Streifen für einen Behälter mit standardmäßigen Abmessungen Abmessungen von 4,5 x 11,9 cm hat und die Bereiche Abmessungen von 4,5 x 2,5 cm haben.

Revendications

1. Contenant, particulièrement pour des feuilles de papier prédécoupées, comprenant un corps en forme de boîte adapté pour contenir lesdites feuilles de papier prédécoupées (37) qui peuvent être retirées à partir d'une ouverture supérieure, ledit corps en forme de boîte étant un corps découpé à l'emporte-pièce (3) constitué par une pièce latérale (5), une pièce supérieure (7), une seconde pièce latérale (9), et une pièce inférieure (11), ledit contenant comprenant un dispositif de levage adapté pour lever les feuilles de papier vers ladite ouverture, **caractérisé en ce que** ledit dispositif de levage est constitué par une bande découpée à l'emporte-pièce (31), qui est formée par une partie du corps et qui se trouve sur ladite pièce inférieure (11) et continue partiellement sur lesdites pièces latérales (5, 9), formant ainsi des régions latérales (33) de sorte qu'en comprimant lesdites régions latérales (33) la partie de ladite bande (31) sur ladite pièce inférieure (11) soit rétractée dans la structure, levant par conséquent lesdites feuilles (37) jusqu'au niveau nécessaire.

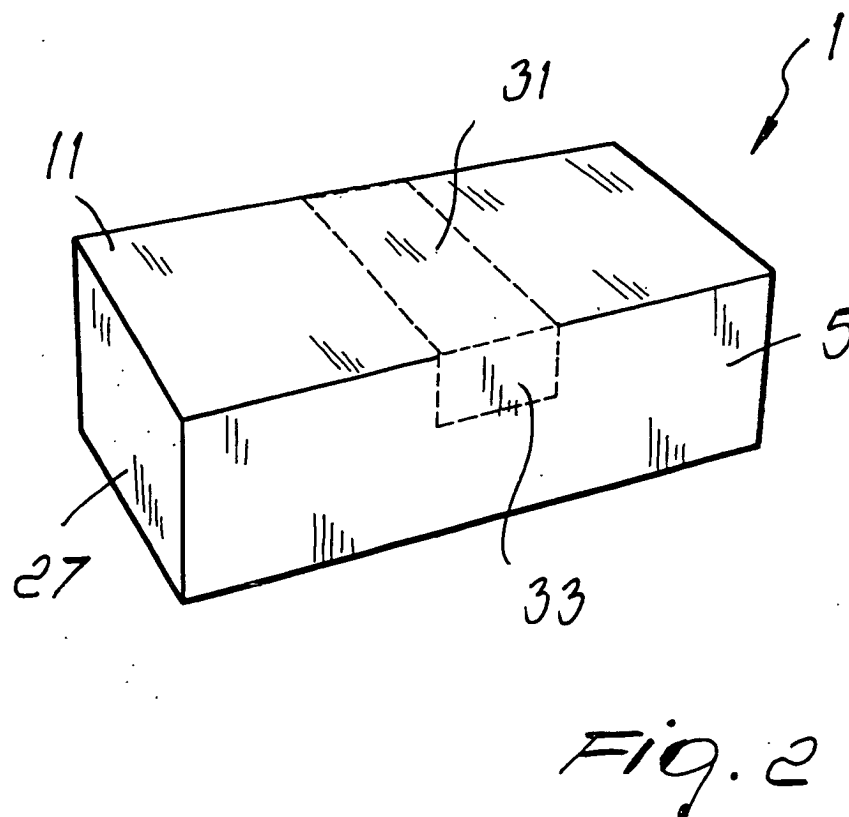
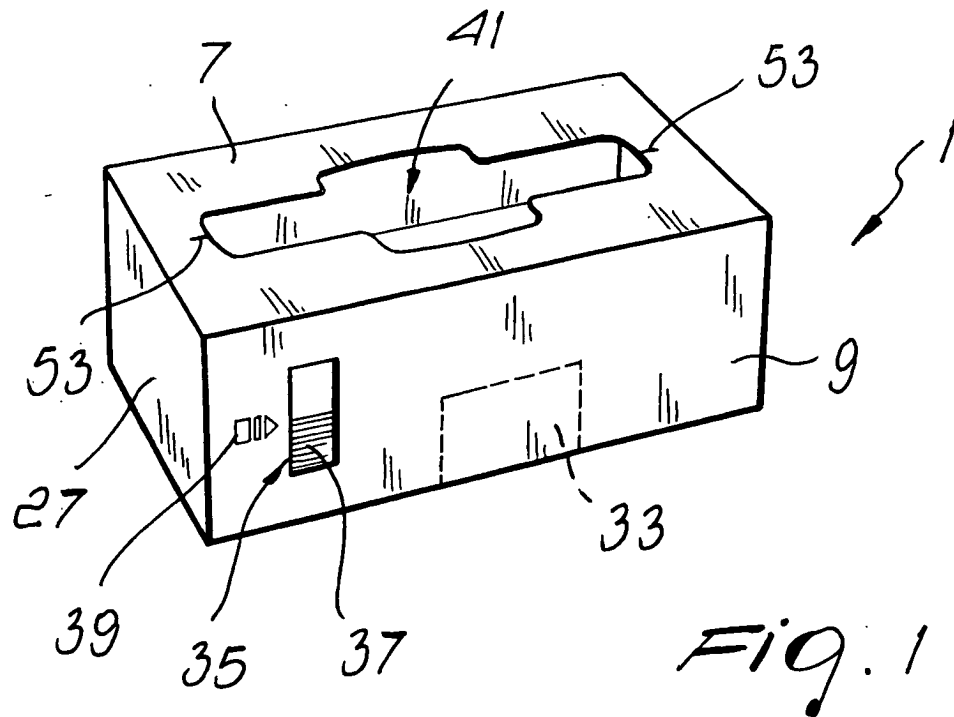
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2. Contenant selon la revendication 1, **caractérisé en ce que** ladite partie découpée à l'emporte-pièce (31) comprend au moins deux positions : une position dans laquelle elle est sensiblement alignée avec les parois du corps de contenant (3) et une position dans laquelle elle se trouve partiellement à l'intérieur dudit corps de contenant (3).

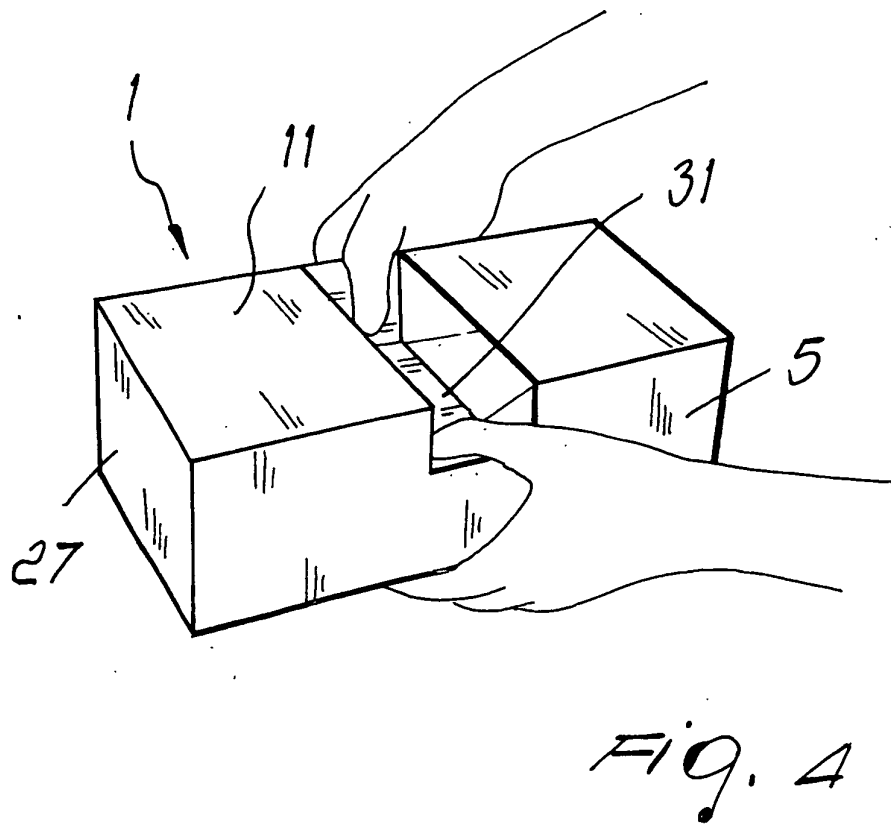
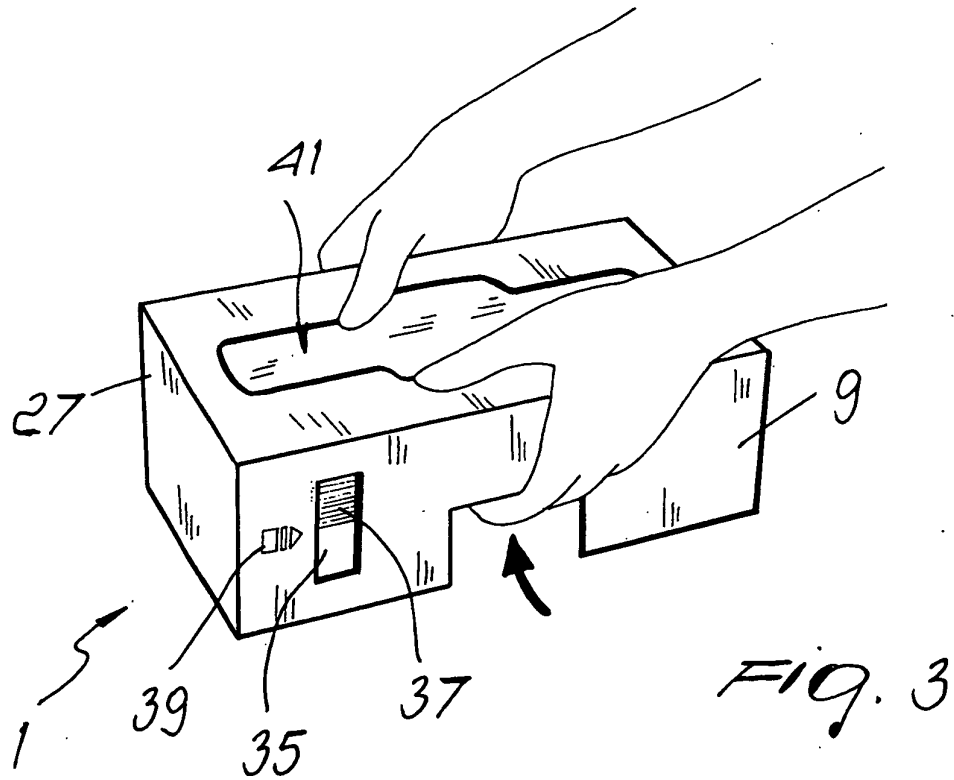
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3. Contenant selon une des revendications précédentes, **caractérisé en ce qu'il** comprend des languettes (13, 15, 17, 21) qui font saillie à partir des bords libres desdites pièces latérales (5, 9) et coopèrent avec des languettes d'enclenchement (23, 25) qui font saillie à partir des bords libres de ladite pièce inférieure (11), et avec une pièce avant (27) et une pièce arrière (29) qui font saillie à partir des bords libres de ladite pièce supérieure (7), afin de fermer et verrouiller ledit corps découpé à l'emporte-pièce (3) afin de constituer ledit contenant.

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4. Contenant selon une des revendications précédentes, **caractérisé en ce que**, pour un contenant possédant des dimensions standard, ladite bande découpée à l'emporte-pièce formée sur la partie inférieure possède des dimensions de 4,5 x 11,9 cm et lesdites régions possèdent des dimensions de 4,5 x 2,5 cm.

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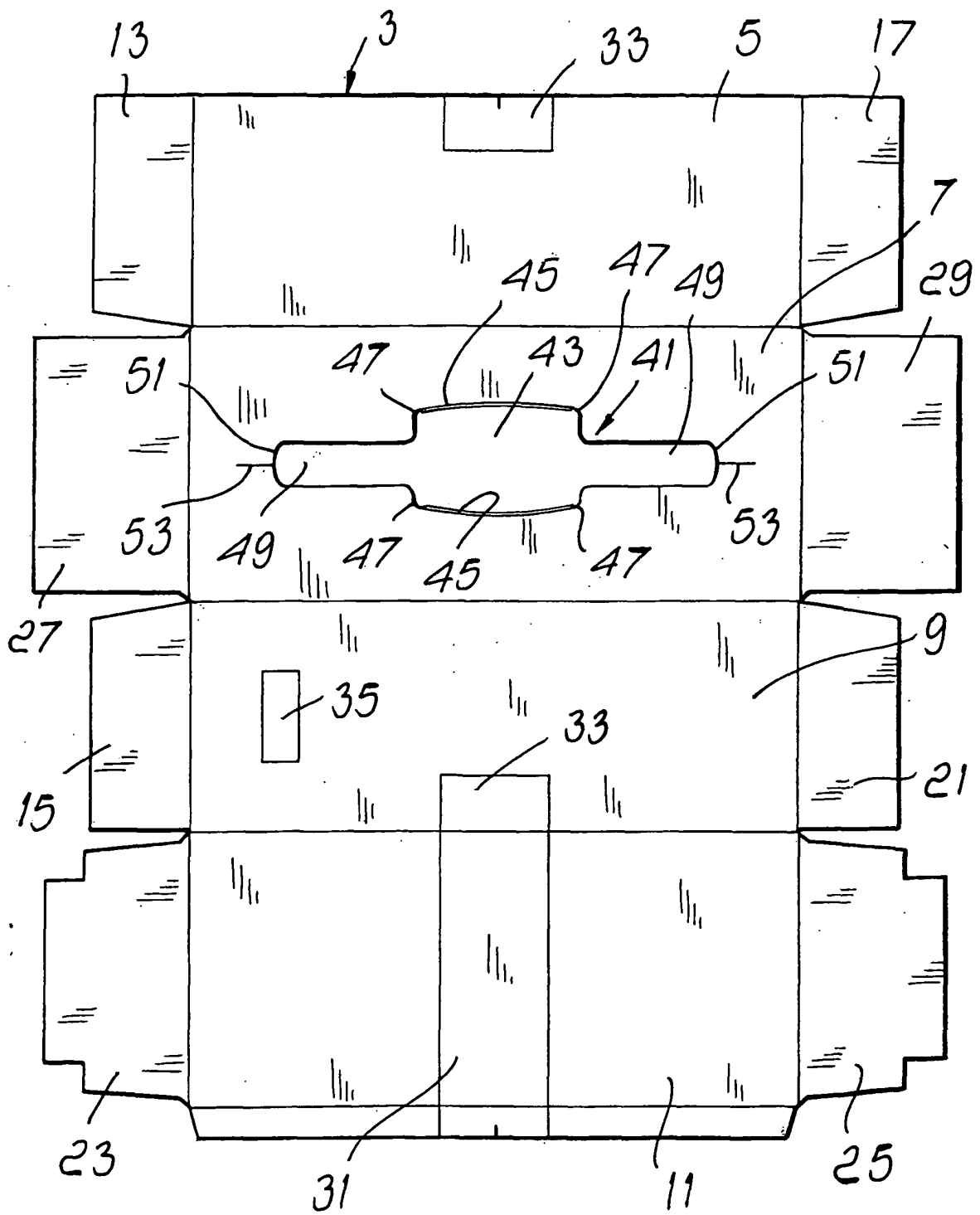


Fig. 5

REFERENCES CITED IN THE DESCRIPTION

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