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(54) Household utensil for cutting and opening packages for food products

(57) Household utensil with a magnet for refrigerators or cupboards and tool for cutting and opening packages for food products, characterised in that it is constituted by a fixed part (1), a cavity opening (2) for insertion

of the tip of a food package, an internal cutting blade (2A) of the fixed part, a moveable part (3), L-shaped metal guides (4) attached to the fixed part, and a recovery spring (10) that releases a guillotine blade of the moveable part.

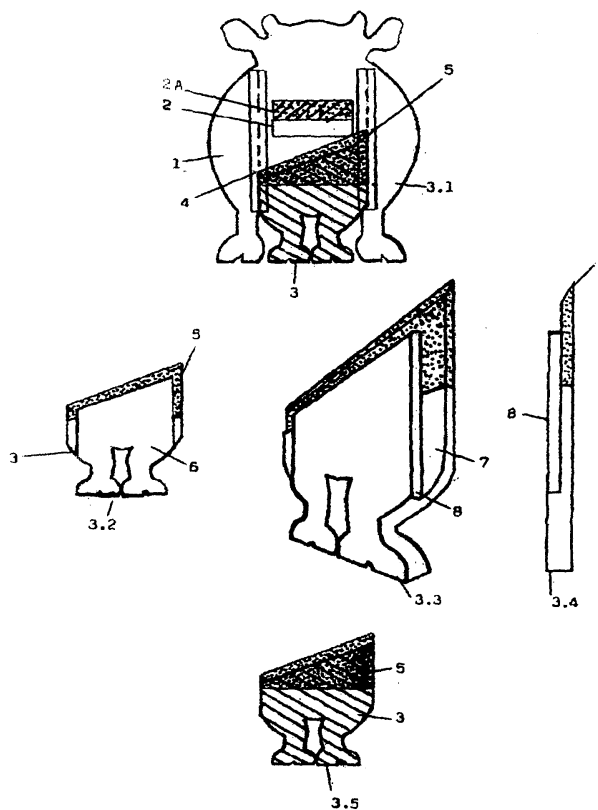


FIG. 3

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Description

Scope of the invention

[0001] In the field of household necessities, consumers are constantly seeking to optimise ways to provide practical and efficient solutions that offer low cost and ensure operational time saving.

[0002] Nowadays, when purchasing, for example, food products or other articles contained in packaging with a perforated component, as in the case of Tetra Pak packages, a perforated edge system is necessary in order to open the package and gain access to the product itself, which requires the user of the product to search for a knife or scissors (which are generally placed in drawers) in order to open the package. Furthermore, once this has been done, as well as not needing the cut-away part, the consumer runs the risk of spilling part of the product by not opening it correctly and/or hurting his hand due to an accident with the cutting instrument.

Summary of the invention

[0003] The present invention comprises an ornament for a refrigerator, which has inserted inside its rear part a magnet having a guillotine formed by two parts with cutting blades, one being fixed and the other moveable which, when pressed together, break and cut of the tip of the package that is inserted into a cavity therein by means of a guillotine system.

[0004] The moveable part, which can be the lower part, is placed onto the back legs and udders of a cow made of plastic, acrylic or another resinous material and has attached to it the blade which slides in the guides. The other blade is attached to the fixed part.

[0005] This fixed internal blade is attached to the fixed part, being positioned transversally to the guides, and it guillotines the package in conjunction with the moveable blade.

[0006] The various novel features that characterise the invention are described more specifically in the claims attached hereto, which form an integral part of this specification.

[0007] For a better understanding of the invention, its operational advantages and the specific objectives achieved through its use, reference will be made to the attached drawings and the description, which illustrate and describe the preferred embodiments of the invention.

Brief description of the drawings

[0008]

Figure 1 represents a front view of the utensil of the invention showing a fixed part (1), which can be a cow or any other figure that fits into the mechanism, a cavity opening (2) for insertion of the tip of the food package and a moveable part (3).

Figure 2 represents 6 (six) views of the utensil of the invention: a front view (2.1), a rear view (2.2) showing L-shaped metal guides (4) attached to the fixed part of the utensil, which lead to the lower moveable part (3) of the utensil, a top view (2.3), a front perspective view (2.4), a side view (2.5) and a rear perspective view (2.6).

Figure 3. represents 4 (four) detailed views of the utensil of the invention: a rear view (3.1) showing the fixed part (1), which can be a cow or any other figure that fits into the mechanism, the cavity opening (2) for insertion of the tip of the package, an internal cutting blade (2A) of the fixed part, the moveable part (3), the L-shaped metal guides (4) attached to the fixed part, a cutting blade (5) of the moveable part consisting of a trapezoidal blade with one of its sides at an angle and the other straight; a rear view (3.2) showing the lower moveable part (3) with the detail of an element (6) overlapping the centre of the lower part, placed over the cutting blade (5) of the moveable part consisting of a trapezoidal blade with one of its sides at an angle and the other straight; a rear perspective view (3.3) with the detail of the lower moveable part of the utensil of the invention, where the ledge (7) of the lower part can be clearly seen, as well as the side edge of the projecting part (8), where the lateral guides will be fitted for the blade to slide when the guillotine device functions; a side view (3.4) of the lower moveable part of the utensil of the invention, showing the side edge of the projecting part (8) and the tip (9) of the cutting blade of the moveable part; a rear view (3.5) of the moveable part (3) without the element (6) that overlaps the centre of the lower part, showing the cutting blade (5) of the moveable part consisting of a trapezoidal blade with one of its sides at an angle and the other straight.

Figure 4 represents 5 (five) detailed views of the utensil of the invention: a rear view (4.1) showing the fixed part (1), which can be a cow or any other figure that fits into the mechanism, the cavity opening (2) for insertion of the tip of the package, an internal cutting blade (2A) of the fixed part, the moveable part (3), the L-shaped metal guides (4) attached to the fixed part, the cutting blade (5) of the moveable part consisting of a trapezoidal blade with one of its sides at an angle and the other straight, the element (6) overlapping the centre of the lower part, the side edge of the projecting part (8) and the tip (9) of the cutting blade of the moveable part; a detailed view (4.2) of the system of movement of the moveable guillotine showing a recovery spring (10) that releases the guillotine blade of the moveable part, the spring being positioned laterally inside the guides in order to keep the cavity (2) open at all times, for inserting the food package and controlling the upwards and downwards movements with a special fix-

ing system (10.1); a view (4.3) showing the L-shaped metal guides (4) attached to the fixed part with the recovery spring (10) that releases the guillotine blade of the moveable part, the spring being positioned laterally inside the guides in order to keep the cavity (2) open at all times, for inserting the food package and controlling the upwards and downwards movements; a view (4.4) clearly showing the sliding movement of the lower blade in the guides; a detailed view (4.5) of the position of the recovery spring (10) that releases the guillotine blade of the moveable part, the spring being positioned laterally inside the guides in order to keep the cavity (2) open at all times, for inserting the food package and controlling the upwards and downwards movements.

Figure 5 represents 6 (six) views of the utensil of the invention: a rear view (5.1) showing a rectangular magnetised cover (11) having a cavity for closing the rear part, which fits over all the components of the guillotine device and has the function of adhering to a refrigerator or another metal surface; a side view (5.2) showing the rectangular magnetised cover (11) having a cavity for closing the rear part, which fits over all the components of the guillotine device and has the function of adhering to a refrigerator or another metal surface; a front view (5.3) of the rectangular magnetised cover (11) having a cavity for closing the rear part, which fits over all the components of the guillotine device and has the function of adhering to a refrigerator or another metal surface; a side view (5.4) of the rectangular magnetised cover (11) having a cavity for closing the rear part, which fits over all the components of the guillotine device and has the function of adhering to a refrigerator or another metal surface; a top view (5.5) showing the L-shaped metal guides (4) attached to the fixed part with the recovery spring (10) that releases the guillotine blade of the moveable part, the spring being positioned laterally inside the guides in order to keep the cavity (2) open at all times, for inserting the food package and controlling the upwards and downwards movements, and the rectangular magnetised cover (11) having a cavity for closing the rear part, which fits over all the components of the guillotine device and has the function of adhering to a refrigerator or another metal surface.

Figure 6 represents 6 (six) detailed views of the sliding system of the guillotine, whereby the lower part pushes against the upper part inside the L-shaped metal guides, causing the lower part to slide inside the guides in order to perforate the food package: a rear view (6.1) of the utensil of the invention showing the fixed part (1), which can be a cow or any other figure that fits into the mechanism, the cavity opening (2) for insertion of the tip of the package, the internal cutting blade (2A) of the fixed part, the moveable

part (3), the L-shaped metal guides (4) attached to the fixed part, the cutting blade (5) of the moveable part consisting of a trapezoidal blade with one of its sides at an angle and the other straight, the element (6) overlapping the centre of the lower part, a ledge (7) and the tip (9) of the cutting blade of the moveable part; a detailed view (6.2) of the cutting blade (5) of the moveable part consisting of a trapezoidal blade with one of its sides at an angle and the other straight, and the tip (9) of the cutting blade of the moveable part; a view (6.3) of the cutting blade (5) of the moveable part consisting of a trapezoidal blade with one of its sides at an angle and the other straight, and the tip (9) of the cutting blade of the moveable part; a view (6.4) showing the L-shaped metal guides (4) attached to the fixed part, the cutting blade (5) of the moveable part consisting of a trapezoidal blade with one of its sides at an angle and the other straight, and the tip (9) of the cutting blade of the moveable part; a front view (6.5) of the internal cutting blade (2A) of the fixed part and the cutting edge of the blade (2A1); a side view (6.6) of the internal cutting blade (2A) of the fixed part and the cutting edge of the blade (2A1).

[0009] Although specific embodiments of the invention have been shown and described in detail in order to illustrate the application of the principles of the invention, it is understood that the invention can be embodied in different ways, without ignoring the said principles, and that it is possible to realise through positive differences the full technical functions and executions of the equipment.

[0010] It should be noted that the reference numbers in the claims are indicated in order to facilitate the understanding thereof. However, these reference numbers should not be interpreted as being restrictive in any way.

[0011] The present invention is defined in terms of the improvements that it offers and it can be seen that this application contains novel features which deserve to be protected through a patent.

Claims

1. Household utensil with a magnet for refrigerators or cupboards and tool for cutting and opening packages for food products, **characterised in that** it is constituted by a fixed part (1), which can be a cow or any other figure that fits into the mechanism, a cavity opening (2) for insertion of the tip of a food package, an internal cutting blade (2A) of the fixed part, the cutting edge of the blade (2A1), a moveable part (3), L-shaped metal guides (4) attached to the fixed part, a cutting blade (5) of the moveable part consisting of a trapezoidal blade with one of its sides at an angle and the other straight, an element (6) overlapping the centre of the lower part, a ledge (7), the side edge

of the projecting part (8), the tip (9) of the cutting blade of the moveable part, a recovery spring (10) that releases the guillotine blade of the moveable part, the spring being positioned laterally inside the guides in order to keep the cavity (2) open at all times, for inserting the food package and controlling the upwards and downwards movements with a special fixing system (10.1), and a rectangular magnetised cover (11) having a cavity for closing the rear part, which fits over all the components of the guillotine device and has the function of adhering to a refrigerator or another metal surface.

2. Household utensil according to claim 1, **characterised in that** it has a guillotine guide consisting of L-shaped metal guides (4) attached to the fixed part, a cutting blade (5) of the moveable part consisting of a trapezoidal blade with one of its sides at an angle and the other straight, an element (6) overlapping the centre of the lower part, a ledge (7), the side edge of the projecting part (8) and the tip (9) of the cutting blade of the moveable part.
3. Household utensil according to claim 1, **characterised in that** it has a recovery spring (10) that releases the guillotine blade of the moveable part, the spring being positioned laterally inside the L-shaped metal guides in order to keep the cavity (2) open at all times, for inserting the food package and controlling the upwards and downwards movements
4. Household utensil according to claim 1, **characterised in that** it has a closing device comprising a rectangular magnetised cover (11) having a cavity for closing the rear part, which fits over all the components of the guillotine device and has the function of adhering to a refrigerator or another metal surface.
5. Household utensil according to claim 1, **characterised in that** it has a magnet system comprising one fixed blade and another moveable one which, when pressed together, break and cut the tip of the food package that is inserted into the cavity by means of a guillotine system, the said moveable part, which can be the lower part, being placed onto the back legs and udders of a cow made of plastic, acrylic or another resinous material and has attached to it the blade which slides in the guides, and the other blade, which is a fixed internal blade, being attached to the fixed part and positioned transversally to the guides, in order to guillotine the package in conjunction with the moveable blade.

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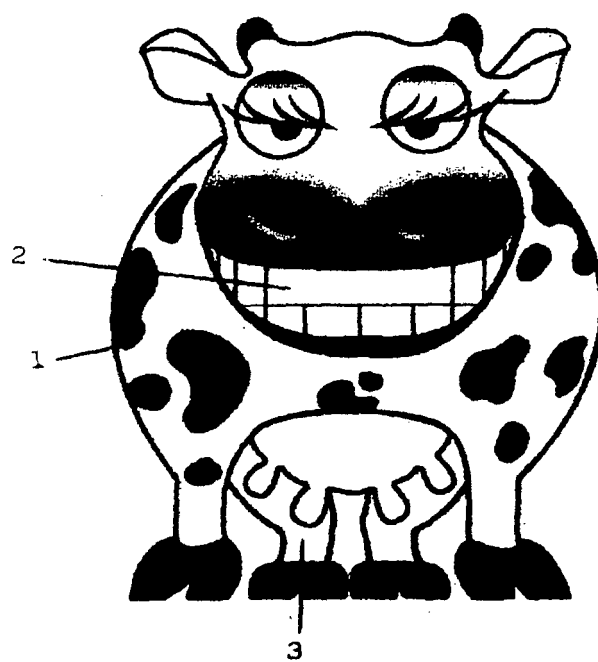


FIG. 1

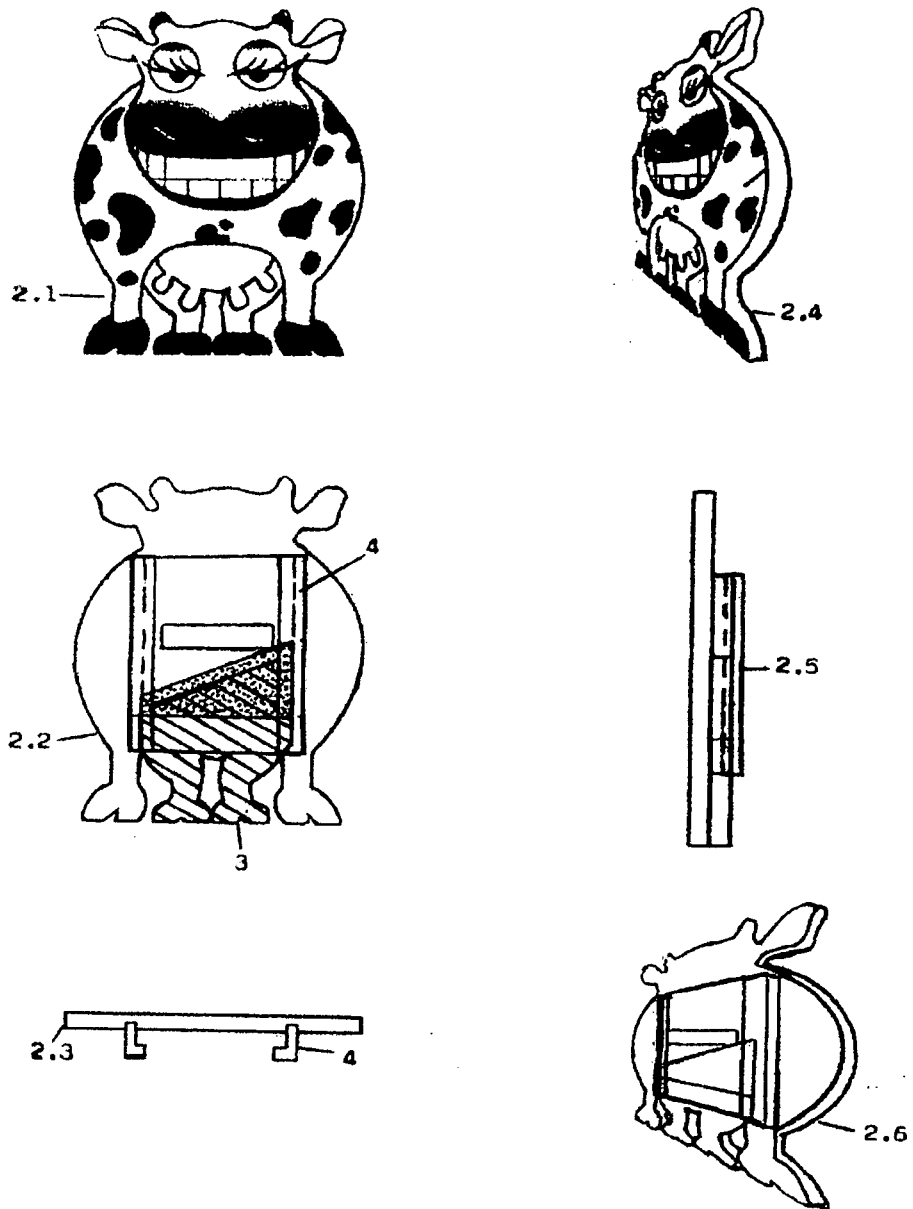


FIG. 2

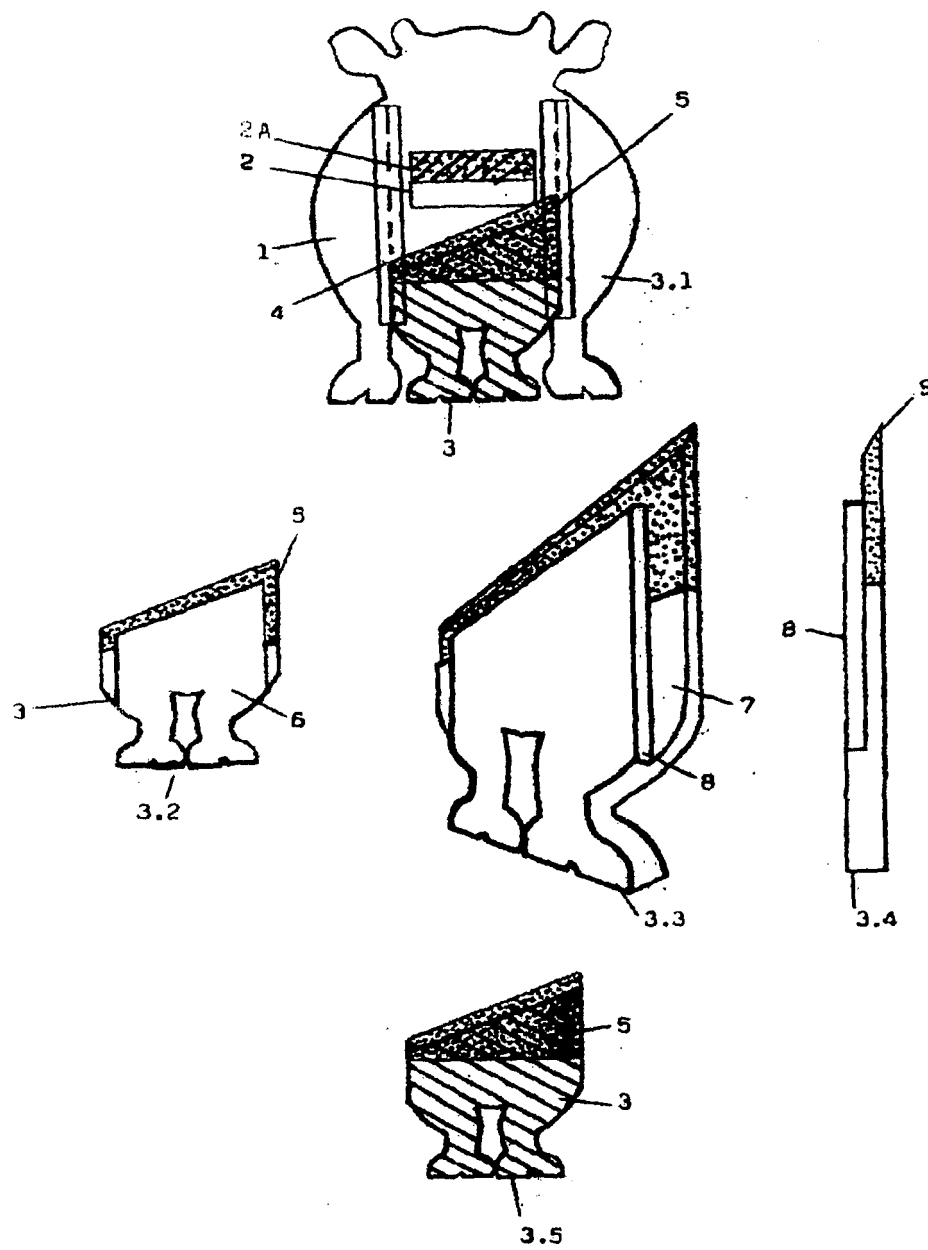


FIG. 3

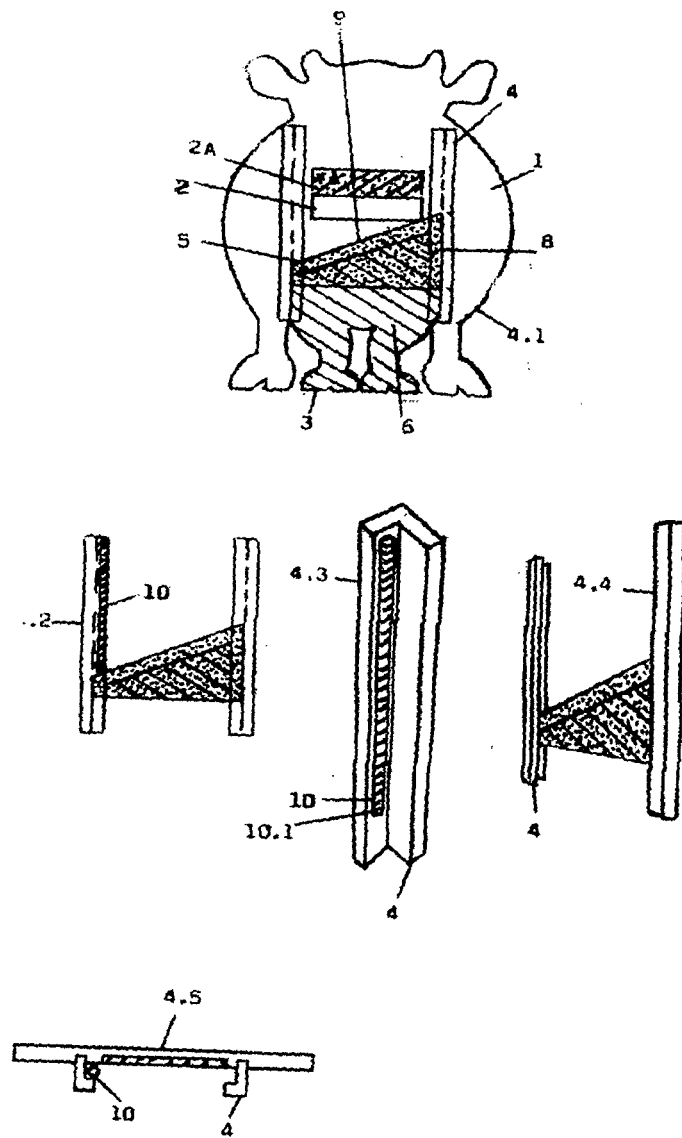


FIG. 4

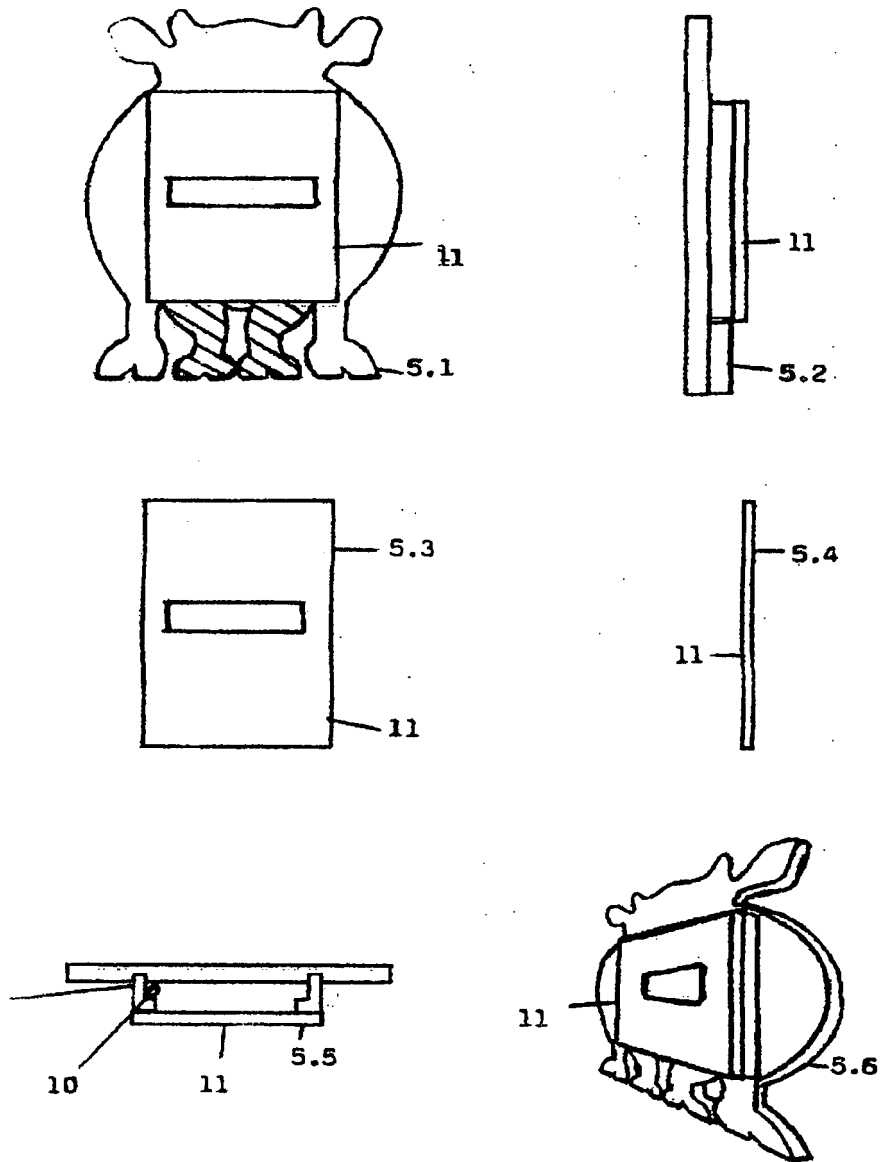


FIG. 5

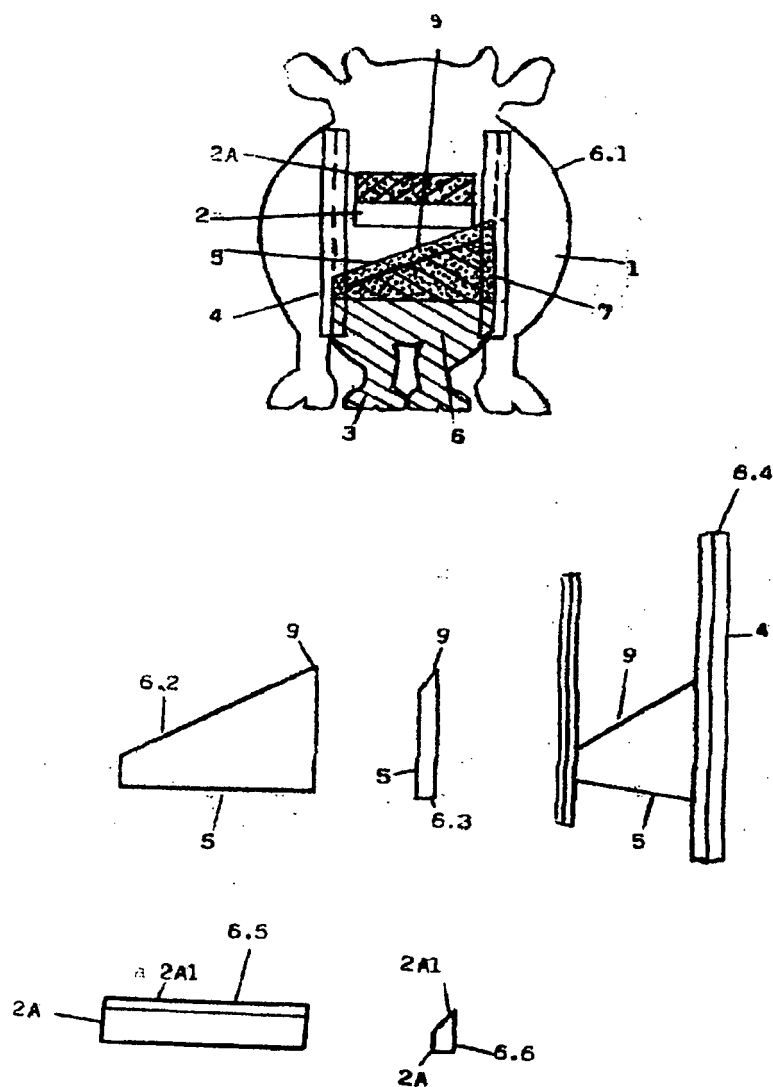


FIG. 6



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EUROPEAN SEARCH REPORT

Application Number
EP 06 39 8006

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	WO 02/064329 A (CORNER CUTTERS LTD; GOLSHEVSKY, EPHRAIM) 22 August 2002 (2002-08-22) * page 6, line 15 - line 27 * * page 7, line 23 - line 27; figures 1,2,6 *	1	INV. B67B7/68
A	FR 2 670 768 A (BAILLY GUY) 26 June 1992 (1992-06-26) * page 3; figure 1 * -----	1	
			TECHNICAL FIELDS SEARCHED (IPC)
			B67B B26B B65B
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 20 June 2006	Examiner Wartenhorst, F
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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EPO FORM 1503 03/82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 06 39 8006

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
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20-06-2006

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WO 02064329	A	22-08-2002	NONE	

FR 2670768	A	26-06-1992	NONE	
