United States Patent [19]

Jamois et al.

[11] **3,893,609**

[45] **July 8, 1975**

[54] **DISPENSER FOR PLASTIC FILM WRAP**

[75] Inventors: **Gerard Jamois**, Nogent sur Marne; **Sylvain Bluntz**, Paris, both of France

[73] Assignee: **Colgate-Palmolive Company**, New York, N.Y.

[22] Filed: **Feb. 7, 1974**

[21] Appl. No.: **440,588**

[52] **U.S. Cl.** **225/42**; 225/43; 225/88

[51] **Int. Cl.** **B26t 3/02**

[58] **Field of Search** 225/39, 42, 43, 46, 47, 225/51, 53, 77, 88

[56] **References Cited**

UNITED STATES PATENTS

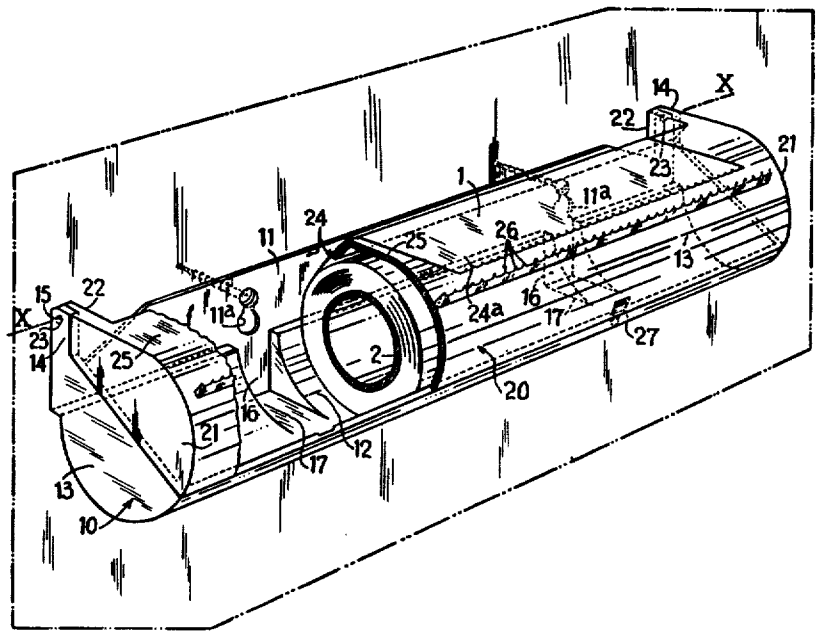
774,453	11/1904	Reuter	225/42
2,323,968	7/1943	Bayer	225/42 X
2,324,028	7/1943	Rossi	225/42
2,390,407	12/1945	Willis	225/46

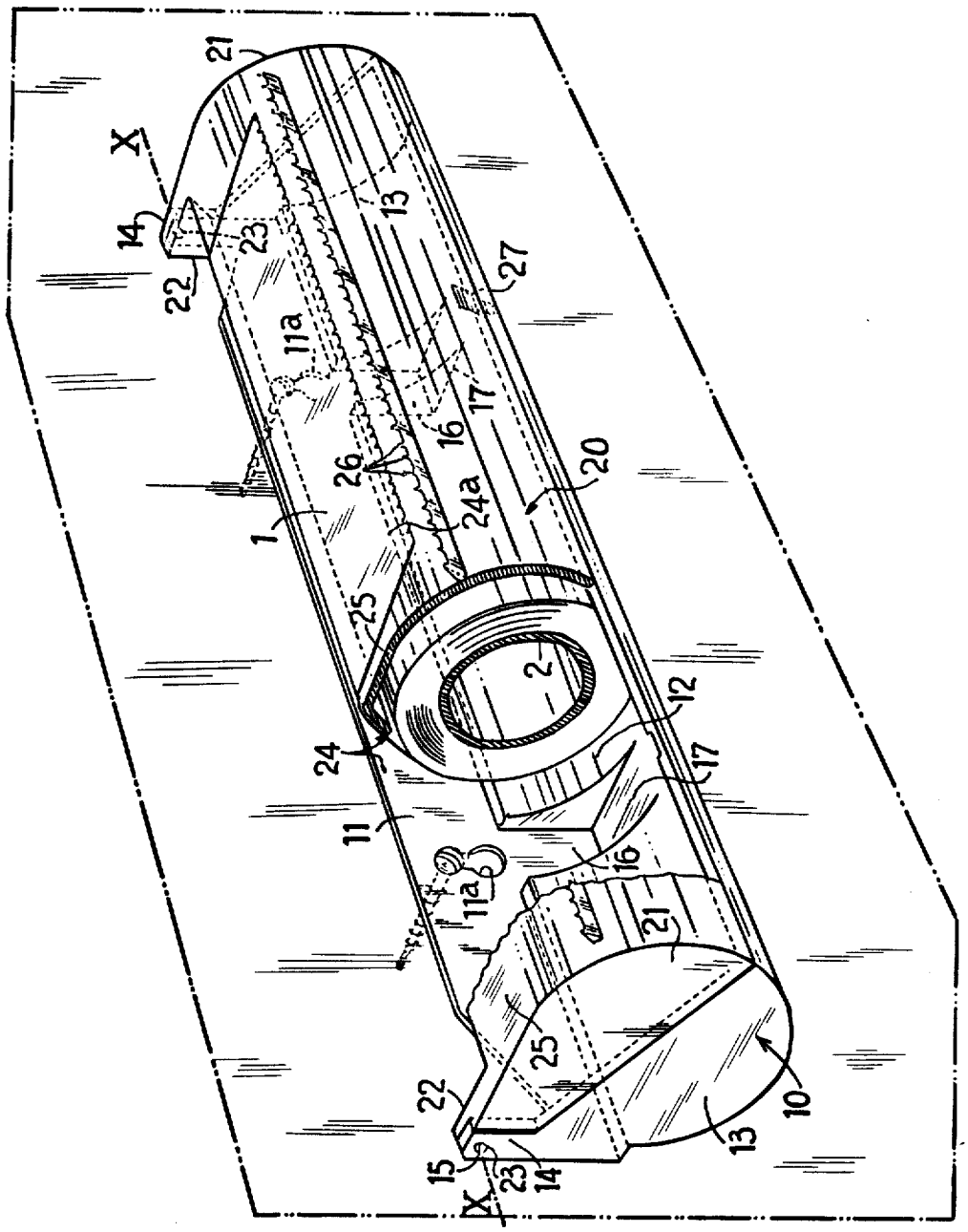
Primary Examiner—J. M. Meister
Assistant Examiner—Leon Gilden
Attorney, Agent, or Firm—Herbert S. Sylvester; Murray M. Grill; Kenneth A. Koch

[57] **ABSTRACT**

A dispenser device for sheet material comprising a housing adapted to be fastened to a mounting surface, means in said housing to rotatably support a roll of said sheet material, a lid articulated to the upper portion of said housing, a dispensing slit disposed in said lid adjacent to said mounting surface, and a cutting means disposed on the front surface of said lid a predetermined distance from said slit, said predetermined distance being defined by a portion of said lid that is in the same horizontal plane as said slit for at least half of said predetermined distance and that is arcuate from said horizontal plane to said cutting means to facilitate guiding whereby said sheet material is supported from said dispensing slit to said cutting means.

1 Claim, 1 Drawing Figure




21
X
14
22
23
13
27
11a
17
16
26
20
1
24a
25
2
12
24
11
16
11a
21
25
22
10
13
15
23
14
X

DISPENSER FOR PLASTIC FILM WRAP

The present invention relates to dispenser devices permitting the withdrawal and cutting of material into sheets from a roll.

Already known in the art are such devices including a support adapted to be fastened on a wall or other mounting surface, means for rotatably supporting the roll on which the material to be withdrawn and severed is located, a lid articulated around an axis on the support and defining with the latter a slit across which the material to be uncoiled and withdrawn can pass through, cutting means generally formed by a row of teeth placed along this slit and allowing a length of the sheet material to be cut off after having been withdrawn from the dispenser.

The known devices of this type present some disadvantages among which the following are noted: the margin of the sheet of material to be dispensed is present after each cutting operation at the slit from which it is to be dispensed, so that the user experiences difficulties in taking hold of the margin of this sheet when wishing to withdraw and cut a new length from the same. This is in general shown by jamming of the roll or even laceration or a rupture of the material, when the latter is formed of normal paper or aluminum foil.

The aim of the invention is to provide a device which minimizes the foregoing disadvantages. To this end, it has for its object a dispensing device comprising a housing adapted to be fastened on a mounting surface support means in this housing to support a roll of the material to be dispensed, a lid hingedly connected to the housing, a slit across which the material to be dispensed can pass and cutting means for severing any desired amount of this material, this device being characterized by the fact that the slit across which the sheet is withdrawn from the housing is disposed a certain distance to the rear of the cutting means, in a way so that outside of the enclosure formed by the housing and the lid, there is always present a certain length of material which facilitates gripping of the latter for further dispensing.

According to another characteristic of the invention the dispensing slit is disposed in the proximity of the mounting surface of the housing and in the proximity of the axis about which the lid is hinged on the housing and wherein the cutting means is located in the proximity of the frontal face of the lid.

In other respects, the lid comprises between the slit and the cutting means a portion which is initially almost horizontal then exteriorly convex toward the base in a way so as to facilitate guiding of the sheet of material to be cut.

Finally it can be noted that the housing is of a generally cylindrical form and is practically entirely closed in its visible part.

The invention will be described in more detail with reference to the attached drawing whose sole FIGURE is a view in perspective of a tear-off dispenser device according to the invention.

In this drawing one can see a dispenser device allowing a material **1** to be withdrawn and cut into sheets from a roll **2**.

This device comprises a housing **10** and a lid **20** articulated to each other around an axis X—X. The housing and lid are typically of molded plastic material.

The housing **10** comprises a face **11** for fastening on a mounting surface such as a wall or a partition. The face **11** is almost vertical in use and comprises apertures **11***a* for passage of fastening means such as screws. The bottom of the housing is defined by a wall **12** of almost hemicylindrical form made up by two end walls **13** which include extensions **14** having apertures **15** through which hinge pins pass to join the lid **20** to the housing.

Two projections **16** defining a horizontal surface **17** are integrally cast with the housing and allow the dispenser to support itself on a horizontal surface.

The lid **20** has likewise on the whole a hemicylindrical form made up by two end walls **21** which include flanges **22** having projections **23** which function as hinge pins and swivel in the apertures **15** of the housing. The lid **20** is adapted to define a longitudinal slit **24** extending the entire length of the dispenser and disposed adjacent to the vertical mounting-face **11.**

Disposed between the slit **24** and the cylindrical part of the lid is a flat support face **25.**

The lid further includes a row of teeth-like projections **26** arranged in its frontal part i.e. on the opposite side of the support face **25** from the slit **24,** and which forms the cutting means of the sheet-material. The row of teeth **20** is disposed parallel to the slit **24.**

Snap means **27** can be provided for fastening the lid to the housing.

In this disclosure the term "rear" indicates the part of the dispenser nearest to the mounting surface and the term "fore-part" the part nearest to the user.

The operation of the dispenser is as follows:
a roll **2** of the sheet material is placed inside the enclosure formed by the housing and the lid and the latter is closed and fastened to the housing. The sheet-material can then be pulled out through the slit **24** from the rear of the dispenser. In order to cut off a certain length of this sheet, the user must first exert a force on the sheet which uncoils it from the roll, and then he must exert an oblique force on the sheet in order to cause its rupture along the row of teeth **26.** After tearing a desired length of sheet material off a certain length **24***a* of the material remains outside of the dispenser in the rear-upper-part of the latter, which allows an easy gripping of the free edge of the sheet for subsequent dispensing of material.

In order to proceed with replacement of the empty roll, it is sufficient to open the lid, remove the empty roll and place a full roll while placing the free edge of the sheet in slit **24.** The access to the interior of the enclosure is particularly easy and the material is fully protected for the sole slit **24** is present along the mounting surface.

The dispenser of the invention provides a remedy for the disadvantages of prior art devices of this type without being significantly more complex or costly.

It should be understood that the specific nature of the dispensed material is of little concern and the scope of the invention should not be limited to a particular application.

What is claimed is:

1. A dispenser device for sheet material comprising a housing adapted to be fastened to a mounting surface, means in said housing to rotatably support a roll of said sheet material, a lid articulated to the upper portion of said housing, a dispensing slit disposed in said lid adjacent to said mounting surface, and a cutting means dis-

posed on the front surface of said lid a predetermined distance from said slit, said predetermined distance being defined by a portion of said lid that is in the same horizontal plane as said slit for at least half of said predetermined distance and that is arcuate from said horizontal plane to said cutting means to facilitate guiding, whereby said sheet material is supported from said dispensing slit to said cutting means.

* * * * *