May 15, 1962 G. H. KLUN 3,034,690

FILM DISPENSING CARTON

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Fig. 1.

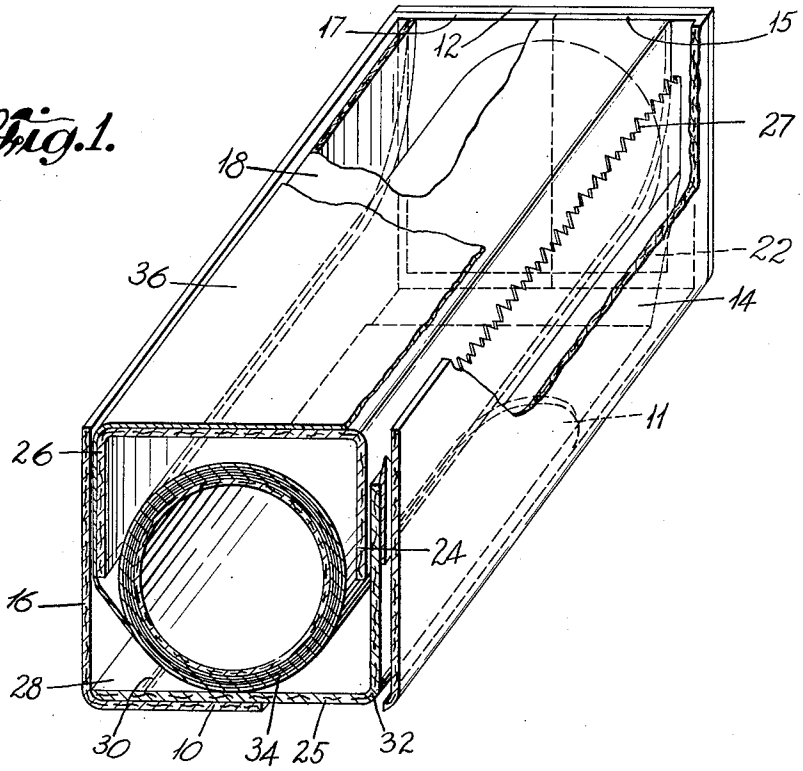
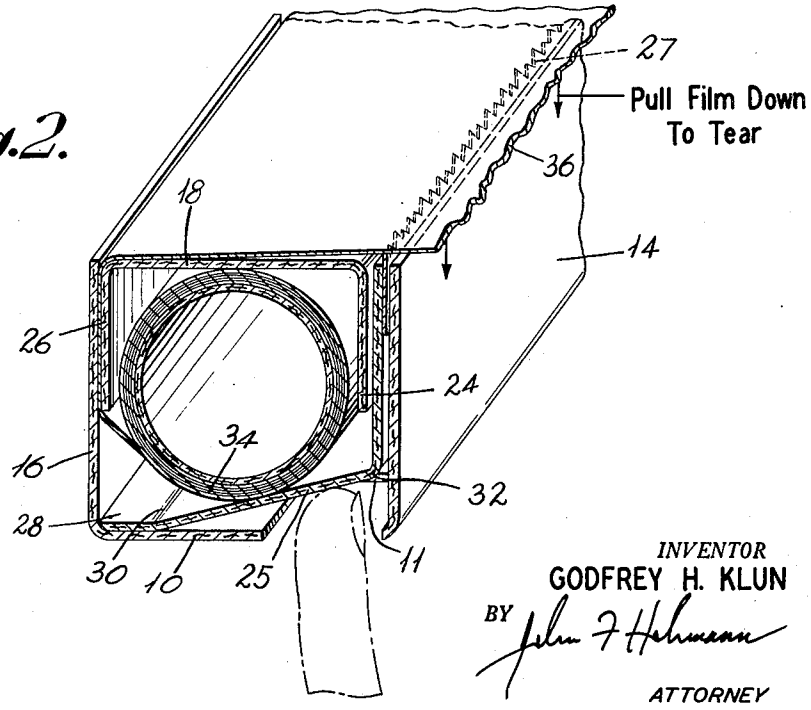


Fig. 2.



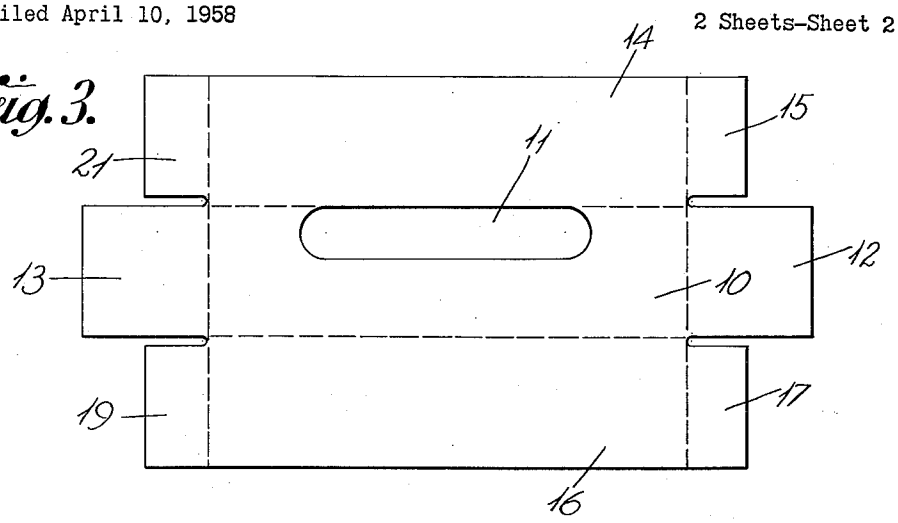
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Fig. 3.



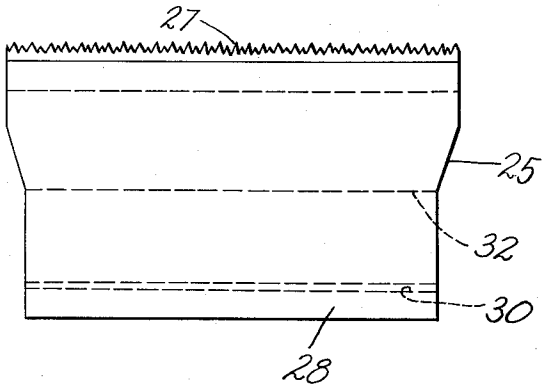


Fig. 4.

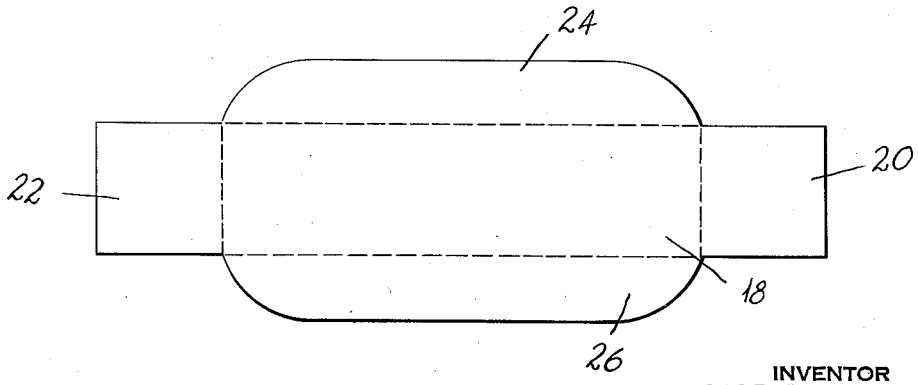


Fig. 5.

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FILM DISPENSING CARTON

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4 Claims. (Cl. 225—19)

This invention relates to a new and improved carton for dispensing wrapping film and more particularly relates to a carton containing a retractable cutting edge.

Thin films, such as aluminum foil, wax paper and plastic film, are generally used for wrapping foodstuffs and other miscellaneous products. Conventionally, these films are marketed in rolls which are contained in cartons having a serrated cutting edge thereon for separating the film to be used from the roll. As these films have developed, their manufacturers have constantly striven to make them thinner, tougher, and more stretchable. The tougher the film, the more difficult it is to cut by ordinary means. It has been found that cutting can be facilitated by the use of a multi-level serrated edge, that is one that has teeth of different heights. This construction, however, necessitates the use of extremely sharp teeth which are hazardous to the user.

It is therefore an important object of this invention to provide a safe film-dispensing carton.

It is another object of this invention to provide a film dispensing carton with a retractable cutting edge.

In the accompanying drawing:

FIG. 1 is an isometric view of a carton embodying the invention, as stored, with one end, a portion of the front and a portion of the top broken away to show details of construction.

FIG. 2 is similar to FIG. 1 showing a portion of a carton embodying the invention in use.

FIG. 3 is a layout view of a coverless carton for use in connection with this invention, ready for assembly.

FIG. 4 is a layout view of a cutting edge and supporting member for use in connection with this invention, ready for assembly.

FIG. 5 is a layout view of a cover for the carton of FIG. 3, ready for assembly.

This invention comprises the incorporation of a retractable cutting member within a new and improved film dispensing carton.

Referring to FIG. 3 of the accompanying drawing, the coverless carton is composed of a bottom **10**, having an aperture **11** therein for purposes to be explained below, ends **12** and **13**, a front **14**, a back **16** and tabs **15**, **17**, **19** and **21**. The removable cover, as best shown in FIG. 5, is composed of a top **18** with end flaps **20** and **22**, and longitudinal flaps **24** and **26** extending therefrom.

In assembling the carton for use in accord with this invention, the member **25** supporting the cutting edge **27** as best shown in FIG. 4 is adhered, along the strip **28**, to the bottom **10** adjacent the back **16**. The supporting member is thusly secured to the bottom **10** and free to pivot about the precreased line **30** and will conform to the shape of the carton by folding along line **32**. According to this construction, the supporting member **25** is L-shaped with its long arm rotatably secured to the bottom **10**.

Assembly of the carton is completed, as shown in FIG. 1, by folding the front **14** and back **16** to positions parallel with each other and perpendicular to the bottom **10**, folding the tabs **15**, **17**, **19** and **21** to positions perpendicular to the bottom **10**, the front **14** and the back **16**, and folding the ends **12** and **13** to positions perpendicular to the bottom **10** and adjacent the tabs **15**, **17**, **19** and **21**.

The roll of film **34** to be dispensed is placed in the carton resting on the supporting member **25** and the film end **36** thereof is separated from the roll. The cover,

assembled by folding the end flaps **20** and **22** to positions parallel with each other and perpendicular to the top **18** and folding the longitudinal flaps **24** and **26** to positions perpendicular to both the top **18** and the end flaps **20** and **22**, is then inserted over the film roll **34**. The cover in its assembled position has the end flaps **20** and **22** resting on the bottom **10**, and contained within and adjacent to the tabs **15**, **17**, **19** and **21**. The longitudinal flaps **24** and **26** are contained within the front **14** and the back **16** defining therebetween a slot for the removal of the film end **36** and a slot wherein the cutting edge **27** resides.

The aperture **11**, referred to above, is provided in the bottom **10** for the insertion therethrough of rotating means (suitably a finger or fingers as shown in FIG. 2). The rotating means raises the cutting edge **27** into cutting relation by pivoting the supporting member **25** around the precreased line **30**. At the same time as raising the cutting edge **27** into cutting relation, the rotating means, through the supporting member **25**, holds the film roll **34** so that the film end **36** will not slip back into the carton, or pull out when cutting.

To use the dispenser of this invention as shown in FIG. 2, the film end **36**, residing in the space between the flap **26** and the back **16**, is pulled out and across the top **18** to any length desired. The cutting edge **27** is then raised by inserting rotating means in the aperture **11** and pushing upward. The film is then cut by pulling it down across the cutting edge **27**. The rotating means is withdrawn and the cutting edge **27** returns to the space between the flap **24** and the front **14** by the weight of the roll **34**, or inherent spring-back of the member **25**. Film of a width substantially equal to that of the top **18** remains outside the carton for easy handling the next time film is desired.

In the preferred form of this invention the carton is cardboard, the film is drawn over the top before cutting, the cutting edge is metal and has variable height serrations. The member supporting the cutting edge is cardboard and L shaped and it is attached to the bottom by gluing and precreasing in such a manner as to make the member rotatable around the crease. However, the carton, cover and supporting member may be made of any suitable material. If desired, the film could be drawn from the space between the front and the flap adjacent to the cutting edge. Further, the cutting edge need not necessarily be multilevel serrations but may be ordinary serrations, a knife edge or any other convenient means. While this invention is preferably for use in dispensing polyethylene film, it is adapted to use in conjunction with any film.

What is claimed is:

1. An elongated substantially rectangular carton having an aperture in the bottom wall thereof; a movable angular cutting blade support member overlying said aperture; a cutting blade carried by said support member spaced from the portion thereof overlying said aperture; and said carton having an elongated slot opening on a longitudinal edge thereof adjacent said cutting blade, said blade being disposed in alignment with said slot and movable therethrough between a retracted position within said carton and a projected exposed cutting position; wherein said carbon is adapted to house a roll of sheet-film material, in contact with said support member, normally freely rotatable thereon, said support member being movable by manipulation through said aperture to simultaneously (1) engagedly position said roll between said member and an inside wall of said carton, and (2) project said blade through said slot for severing withdrawn material.

2. A dispenser as described in claim 1 having two substantially parallel slots therein; one of said slots receiving said blade therethrough and the other of said slots receiving said sheet-film material therethrough.

3. A dispenser as described in claim 1 wherein said

member is L shaped and pivotally mounted within said carton.

4. A dispenser for rolled sheet-film material comprising an elongated substantially rectangular carton having an elongated slot adjacent a longitudinal edge thereof; an elongated movable angular cutting blade support member within said carton; and a cutting blade mounted on said support member adjacent to said slot and movable therethrough; said carton having an aperture in a wall of said carton adjacent said blade support; said carton being adapted to receive a roll of said sheet-film material which roll is in contact with said blade support in a normally

freely rotatable position, said support member being manipulated through said aperture to move said blade through said slot and simultaneously to bind said roll in a non-rotatable position.

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