Dec. 19, 1933. G. W. HAMERSLEY 1,939,812

CONTAINER FOR WAXED PAPER

Filed Aug. 6, 1930

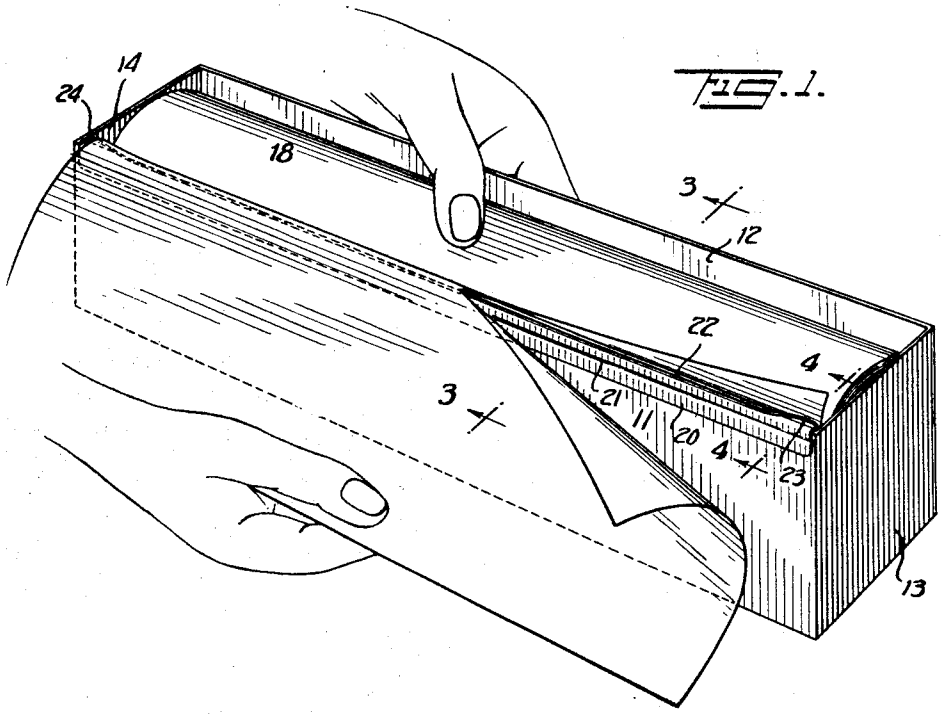


FIG. 1.

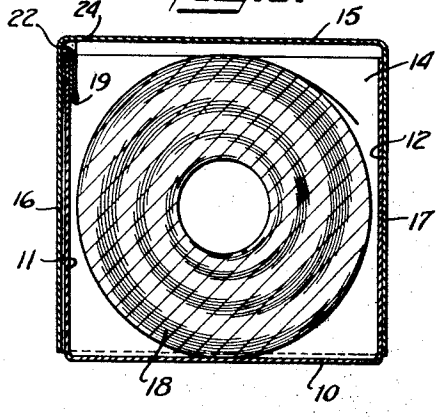


FIG. 2.

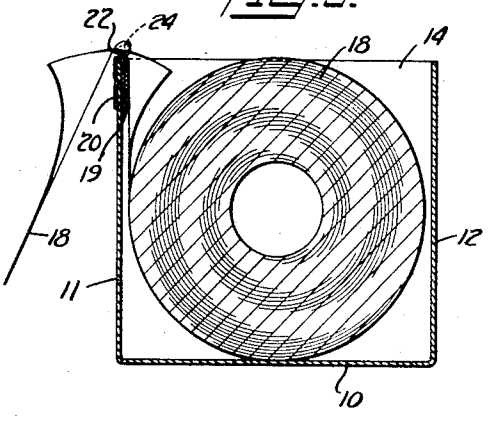


FIG. 3.

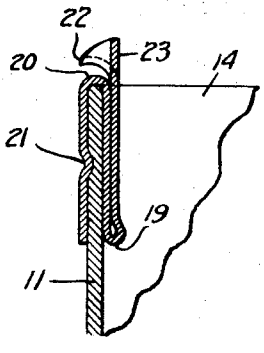


FIG. 4.

INVENTOR
George W. Hamersley
BY
Frederick Reitenfeld
ATTORNEY

Patented Dec. 19, 1933

1,939,812

UNITED STATES PATENT OFFICE

1,939,812

CONTAINER FOR WAXED PAPER

George W. Hamersley, New York, N. Y.

Application August 6, 1930. Serial No. 473,293

6 Claims. (Cl. 206—58)

My present invention relates generally to containers, and has particular reference to a container or box adapted to contain a roll of waxed paper or the like.

It is a general object of my invention to provide a box of improved characteristics, of a staunch yet pleasing appearance, and provided with a novel cutting device adapted to facilitate the withdrawal, in desired sections of the contents.

It is a more particular object of my invention to provide a box having a container portion with upstanding side walls, and a cover portion adapted to enclose the container portion and the contents thereof in a secure and substantially air-tight manner.

In accordance with my present invention, one of the upstanding side walls of the container portion is provided at its upper free edge with a cutting device of improved characteristics, the device being of a simple and inexpensive character, compact, efficient in fulfilling its contemplated function, and devoid of sharp edges, protrusions, teeth, or corners.

A particular feature of my invention lies in providing a cutting device wherein a cutting edge is so positioned and is so associated with a guard portion that accidental injury by the cutting edge, either to the contents of the box or to the fingers of the user, is totally prevented. In this respect, my invention is analogous in its safe nature to the corresponding safety provided for in a safety razor wherein a cutting edge is closely associated with a guard therefor.

Briefly, my invention consists in providing upon the upper free edge of an upstanding side wall of the box a cutting device having a cutting edge arranged substantially transverse with respect to the plane of the wall, the edge being disposed outwardly and overlying the upper free edge of the wall. As a result of this construction, no sharp edge of any character presents itself in an upward direction, and the lateral disposition of the cutting edge permits me to provide a guard portion of the character hereinbefore referred to.

Other features of my invention will be more fully appreciated after this specification has been read.

I achieve the foregoing objects, and such other objects as may hereinafter appear or be pointed out, in the manner illustratively exemplified in the accompanying drawing, wherein—

Figure 1 is a perspective view of the container portion of my improved box, showing the manner in which my present cutting device is utilized;

Figure 2 is a cross-sectional view of the box with a cover portion shown in position;

Figure 3 is a view similar to Figure 2, taken substantially along the line 3—3 of Figure 1; and

Figure 4 is an enlarged, fragmentary, cross-sectional view taken substantially along the line 4—4 of Figure 1.

In the illustrated embodiment, the container portion is substantially rectangular and elongated, having a bottom wall 10, opposite upstanding longitudinal side walls 11 and 12, and opposite upstanding end walls 13 and 14.

In the illustrated embodiment, the upper edges of the side walls 11—14 are free and lie in a plane substantially parallel to the bottom 10. I have shown the cover member adapted to telescope around the container portion and consisting of a top wall 15, opposite depending longitudinal side walls 16 and 17, and opposite end walls. The box or container is adapted to accommodate a roll of paper illustratively shown at 18.

In accordance with my present invention, I mount in association with the upper free edge of one of the side walls, as, for example, the side wall 11, a cutting device which is most clearly shown in Figures 1 and 4. In the illustrated form, I have shown the employment of an elongated metallic strip which is medially bent back upon itself as at 19 to provide two sections, one on each side of the bend or fold 19. One of these sections is U-shaped and is designated by the reference numeral 20, whereby the same may be applied to the upper edge of the side wall 11 as a sheath for the latter. To hold the device in place, it is preferably clenched onto the side wall in any suitable manner, and preferably by means of a longitudinal depression or ridge 21. The other longitudinal section of the metallic strip extends upwardly and then curves gradually outwardly over the ensheathed free edge of the wall 11 so as to provide an outwardly disposed cutting edge 22. This cutting edge is slightly spaced above the side wall 11 and preferably does not extend outwardly beyond the vertical plane of the outer surface of the U-shaped section 20.

At its opposite extreme ends, the cutting edge 22 is twisted or bent into an upright disposition, as shown at 23 and 24, so that these end

portions lie in a plane substantially parallel to the plane of the wall 11.

When the cutting device is used, the free end of the roll of paper 18 is withdrawn upwardly alongside of the cutting device, and a desired amount of the paper may then be severed along the cutting edge 22 in the manner shown most clearly in Figure 1. The upright end portions 23 and 24 of the cutting edge facilitate the initial tearing of the paper, and once the tear has been initiated, it is a relatively simple matter to tear the paper along the cutting edge 22 in the manner illustrated.

It is to be noted that the cutting device of my present invention is extremely simple in structural nature and hence inexpensive to manufacture. Since no rivets or other fastening devices need be employed, it is comparatively simple to apply the same to the upper free edge of one of the side walls, and this may be accomplished either at the time the box is originally constructed or at any time subsequent thereto. I prefer to apply the cutting device during the manufacture of the box, so that the same may be clenched into position in the simple manner illustrated.

I wish to point out that my cutting device is extremely compact and inconspicuous, occupying no unnecessary amount of space, and permitting free access to the paper roll in the customary manner. Since it embodies no projecting edges of any character, apart from the upstanding end portions 23 and 24, which are extremely small and inconspicuous, the cutting device is exceptionally safe, and there is no likelihood whatsoever of accidental injury. The outer portion of the U-shaped section 20 serves as a guard portion for the cutting edge 22, as shown most clearly in Figure 4, and it is only when the paper is deliberately pulled obliquely downwardly, as shown in Figures 1 and 3, that the edge becomes operative as a cutting edge.

Furthermore, it is to be noted that the rounding of the metal strip, as at 19, provides for a smooth upward withdrawal of the paper from the box and prevents the free edge of the paper from catching. As as matter of fact, the paper slides smoothly and evenly over the inner surface of the cutting device as it is withdrawn, and the gradual curvature immediately to the rear of the cutting edge proper facilitates the ready removal of the desired amount of paper.

When the box is closed, as shown in Figure 2, the cover is permitted to seat itself snugly around the container portion, in the same manner as an ordinary cover might position itself. It is to be noted that the cover bears directly upon the outer surface of the U-shaped section 20 and against the cutting edge 22, the latter being thereby efficiently concealed and protected, and the entire device presenting an outward appearance which is neat, attractive, and not marred by any projecting cutting edge or teeth. This capability of the cover to position itself snugly, as shown in Figure 2, produces a container which is peculiarly efficient and satisfactory in connection with waxed paper, because of the fact that the waxed paper may be completely concealed when it is not used and may, therefore be protected from the atmosphere and kept clean and air-tight. No portions of the paper protrude either partially or entirely when the box is not employed.

The cutting device may be made of any suitable material, and need not necessarily be metal, although a thin metallic strip has proven to be very satisfactory. Where metal is used, it serves also to reinforce the upper free edge of the wall 11, and in this way adds strength and stability to the box as a whole.

The provision of the upstanding portions 23 and 24 make it possible for the cutting device to be used with equal facility by right-handed or left-handed people.

Although I have shown a separate cover, it will be understood that certain phases of my invention are not restricted to this arrangement, and it may be desirable to provide a cover which is integral with the container portion and hinged to the latter, as, for example, at the upper edge of the wall 12.

Furthermore, it will be obvious that changes in the details herein described and illustrated for the purpose of explaining the nature of my invention may be made by those skilled in the art without departing from the spirit and scope of the invention as expressed in the appended claims. It is therefore intended that these details be interpreted as illustrative, and not in a limiting sense.

Having thus described my invention and illustrated its use, what I claim as new and desire to secure by Letters Patent is—

1. In combination with a box open at the top and adapted to contain a roll of paper, a cutting device associated with the upper edge of one of the side walls of said box, said device having a cutting edge overlying said upper edge and disposed in a plane perpendicular to said wall, the extreme opposite ends of said cutting edge being twisted into a plane parallel to said wall to facilitate the initial tearing of said paper along said cutting edge.

2. In combination with a box open at the top and adapted to contain a roll of paper, a cutting device associated with the upper edge of one of the side walls of said box, said device comprising a metallic strip having a portion which overlies the inner surface of said wall adjacent to said upper edge, said portion being bent outwardly at said upper edge to form a laterally disposed cutting edge, and said metallic strip having a guard portion which underlies said cutting edge and ensheaths the upper edge of said wall.

3. As a new article of manufacture, a cutting device adapted to be applied to the free upper edge of a side wall of a box, said device comprising a strip of material medially doubled back upon itself to form two longitudinal sections, one section being U-shaped and adapted to be applied as a sheath over the free upper edge of said side wall, the other section terminating in a cutting edge.

4. As a new article of manufacture, a cutting device adapted to be applied to the free upper edge of a side wall of a box, said device comprising a strip of rigid material medially doubled back upon itself to form two longitudinal sections, one section being U-shaped and adapted to be applied as a sheath over the free upper edge of the said side wall, the other section terminating in a cutting edge which is arranged transverse to the axis of the U and alongside of the base of the U.

5. In combination with a box open at the top and adapted to contain a roll of paper, a cutting device associated with the free upper edge of one of the side walls of the box, said device comprising a strip of rigid material medially doubled back upon itself to form two longitu-

dinal sections, one section being inverted-U-shaped and ensheathing the free upper edge of said side wall, the other section terminating in a cutting edge which is arranged transverse to the plane of said side wall and above the base of the U.

6. In combination with a box open at the top and adapted to contain a roll of paper, a cutting device associated with the upper edge of one of the side walls of said box, said device having a cutting edge which overlies said upper edge and is slightly spaced from the latter, said cutting edge being disposed in a plane perpendicular to said wall and being directed outwardly away from the interior of the box.

GEORGE W. HAMERSLEY.