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2,683,641

ROLL PAPER HOLDER AND DISPENSER

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Fig. 1.

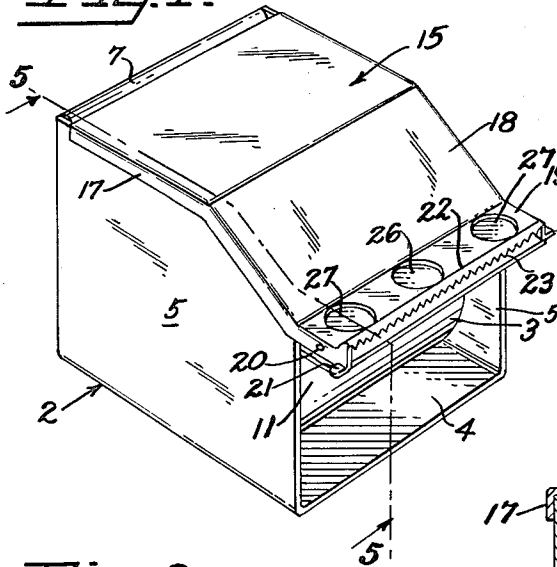


Fig. 2.

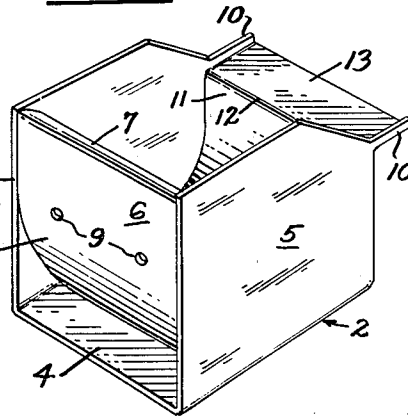


Fig. 3.

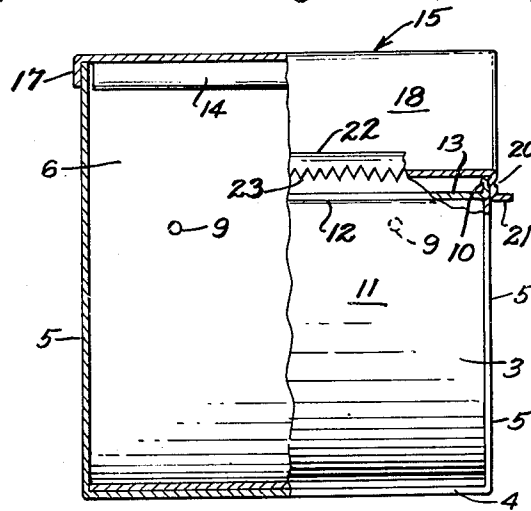
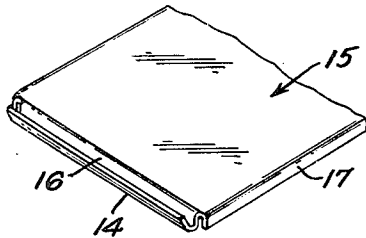


Fig. 4.

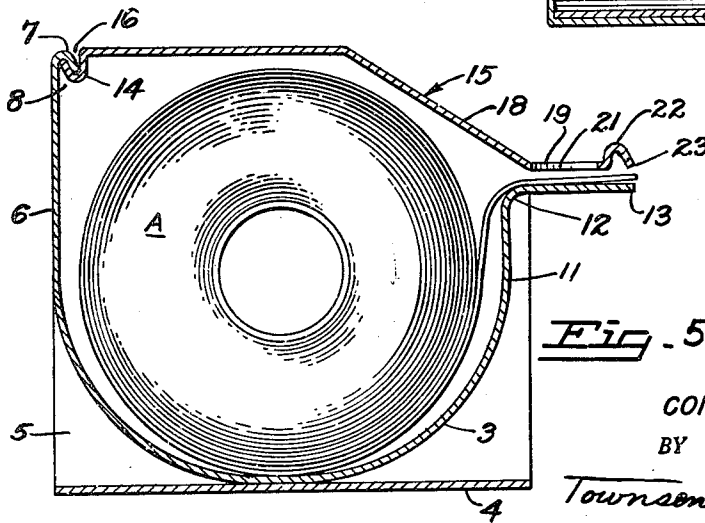


Fig. 5.

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ROLL PAPER HOLDER AND DISPENSER

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3 Claims. (Cl. 312—39)

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This invention relates to roll paper holders and dispensers.

This invention is an improvement of my co-pending application Serial No. 169,146, filed June 20, 1950, and since matured into Patent No. 2,647,028, dated July 28, 1953, for "Roll Paper Dispenser."

A general object of the present invention is to provide a roll paper dispenser designed and constructed to facilitate the filling of a dispenser and to enable measured removal of the paper therefrom without undesirable displacement or jamming of the roll.

A further object of the invention is to provide means to enable feeding of the paper through the dispensing lip so that the paper may be positioned for dispensing easily and quickly.

The invention further provides a convenient tearing lip to cut the paper with minimum displacement of the paper from the plane of the direction of dispensing travel thereof and which tearing lip does not hinder the normal removal of the paper in such a way as to cause snagging or tearing of the paper.

A further object is to provide a support and dispenser for roll paper which is compact in structure and which is provided with an easily removable top to enable filling and replacement of the paper for dispensing.

Further objects and advantages of the invention will become apparent upon referring to the specification and drawings in which similar characters of reference represent corresponding parts in the several views.

Referring to the drawings:

Fig. 1 is a perspective view of the invention taken from the front thereof.

Fig. 2 is a fragmentary perspective view of the invention taken from the rear thereof.

Fig. 3 is a fragmentary perspective view of the top of the dispenser.

Fig. 4 is a front elevational view of the device partly in section.

Fig. 5 is a sectional view taken on line 5—5 of Fig. 1.

The invention relates to a dispenser for roll-type paper of the character having a hollow core, and wherein no spindle or axle is necessary to support the roll in order to dispense the paper in measured quantities without jamming or displacement of the roll.

Essentially, the invention consists of a box-like support, generally indicated at 2, containing a rounded cradle, generally indicated at 3, open at the top and in which a paper roll A is adapted to

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be positioned loosely. Preferably the box-like support 2 has a flat bottom or floor 4 so that the dispenser may be supported, if desired, upon a table top or the like. The sides 5 of the box-like structure enclose the sides of the cradle 3. The back of the cradle, indicated at 6, projects upwardly, and, at the top thereof, is provided with a flange 7 which is bent downwardly and obliquely inwardly toward the cradle to form an angular trough 8.

Apertures 9 are provided in the back 6 of cradle 3 to receive screws or the like so that the dispenser may be attached to a wall or like supporting structure if such is desired.

The front 11 of the cradle 3 projects upwardly to a point below the flange 7 and is curved outwardly, as at 12, to form a horizontally disposed dispensing lip 13. The dispensing lip is located above the center of the paper roll A and below the top thereof. The outwardly projecting lip 13 is provided with upwardly extending side flanges 10 which serve to prevent lateral displacement of paper being dispensed.

The back of the cover or top, indicated generally at 15, is bent downwardly and obliquely upwardly and rearwardly to form a flange 14 and a trough 16 complementary to trough 8 so that the flange 7 may be inserted in the trough 16 and in juxtaposition with flange 14 to serve as a means for removably attaching the top 15 to the cradle 3. The top 15 is also provided with downwardly extending side flanges 17 which fit over the top edges of the sides 5. The front of the top 15 is bent downwardly, as at 18, and thence outwardly, as at 19, to form a lip cover or tear plate arranged to be disposed over the dispensing lip 13. The flange portions 17 carried by tear plate 19 of top 15 are provided with indentations 20 to secure resiliently the top at the forward end thereof to the flanges 10 of the dispensing lip 13 in order to prevent unwanted displacement of the said parts.

Laterally projecting fingerholds or flanges 21 are carried by or are integral with the bottom of the flange portions 17 of plate 19.

The front of the tear plate 19 is bent upwardly and then obliquely downwardly and outwardly, as at 22, and terminates in a serrated tearing edge 23 spaced above the top of dispensing lip 13 and substantially flush with the end of said lip or slightly rearwardly thereof so that the user's hands will not catch upon said serrated edge.

The position of the serrated tearing edge 23 with respect to lip 13 enables the paper to be removed from the dispenser without snagging on

the serrated edge during the course of removal; and, further, enables the paper to be cut by a simple upward movement thereof a short distance for contact with the serrated edge. It is not necessary, in order to cut the paper being dispensed, to lift the paper upwardly at a right angle to the direction of removal in order to obtain sufficient contact with the serrated edge to effect cutting.

The plate 19 is provided with an aperture 26 disposed substantially midway between the sides of the said plate and which is arranged to enable easy feeding of the paper between the lip 13 and plate 19.

Additional apertures 27 are provided on both sides of the aperture 26 to enable easy removal of the top 15 for filling and refilling. Thus, in order to remove the top, the user of the device may insert his thumbs through the apertures 27 and use his index fingers to pull up on the laterally projecting flanges or fingerholds 21 to release resilient contact between the lip flanges 10 and indentations 20 on plate flanges 17. The hinge connection at the back of the top is released by tilting the top upwardly to detach flange 14 from flange 7.

The invention may be formed of metal or plastic or any other suitable substance, and because of simplicity of structure and manner of use, lends itself to large-scale, economic manufacture and distribution.

The invention has been described in detail by way of illustration and example of use for purpose of clarity and facility of understanding, and it is understood that various changes and modifications in design, use, and structure may be practiced within the spirit of the invention and scope of the appended claims.

I claim:

1. In a dispenser for roll paper having a cradle open at the top to receive a roll of paper loosely therein having means associated with said cradle to restrain lateral movement of a roll of paper supported loosely therein and wherein the front of said cradle extends upwardly and horizontally outwardly to form a dispensing lip, the combination of a cover for said cradle, said cover hingedly connected to the back of said cradle and the forward end of said cover provided with a tear plate arranged to overlie said dispensing lip in substantial parallel relationship thereto and spaced thereabove, said lip and tear plate form-

ing a guide channel for paper being removed from said dispenser, the forward end of said tear plate bent upwardly from said lip and thence obliquely outwardly downwardly toward said lip so that the end edge of said plate forms a tearing edge, the said tearing edge lying in substantially the same horizontal plane as said tear plate portion overlying said dispensing lip in parallel relationship, and means to connect releasably said tear plate and lip together so that the tearing edge of said tear plate is located above said dispensing lip and substantially flush with the end edge of said lip.

2. In a dispenser for roll paper having a cradle open at the top to receive a roll of paper loosely therein and having means associated with said cradle to restrain lateral movement of a roll of paper supported loosely therein and wherein the front of said cradle extends upwardly and horizontally outwardly to form a dispensing lip, the combination of a tear plate arranged to overlie said dispensing lip in substantial parallel relationship thereto and secured in spaced relationship thereto, said lip and tear plate forming a guide channel for paper being removed from said cradle, the end of said tear plate being bent upwardly away from said lip and thence obliquely outwardly downwardly toward said lip so that the end edge thereof forms a tearing edge substantially flush with the end edge of said lip and disposed above said lip at least a sufficient distance to allow paper to pass therebetween, the said tearing edge lying in substantially the same horizontal plane as said tear plate portion overlying said dispensing lip in parallel relationship.

3. A dispenser for roll paper according to claim 1 and wherein said tear plate is provided with at least one aperture rearwardly of the upwardly bent portion thereof to facilitate the manual feeding of paper between said tear plate and said lip.

References Cited in the file of this patent

UNITED STATES PATENTS

Number	Name	Date
2,003,044	Galante	May 28, 1935
2,038,822	Bins	Apr. 28, 1936

FOREIGN PATENTS

Number	Country	Date
462,120	France	Nov. 14, 1913