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N. MARCALUS

BOX FOR PAPER ROLLS

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Fig. 1.

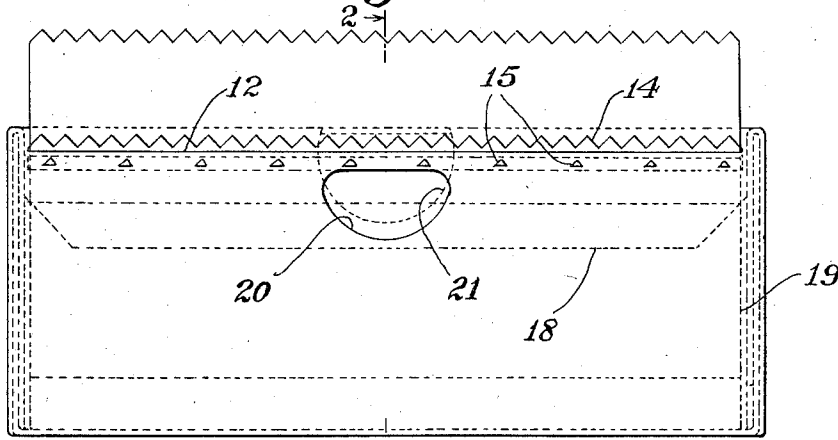


Fig. 2.

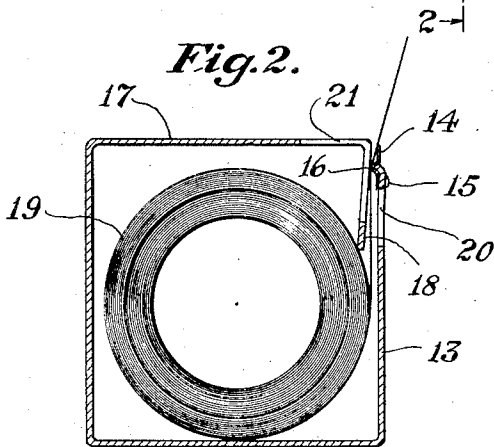


Fig. 3.

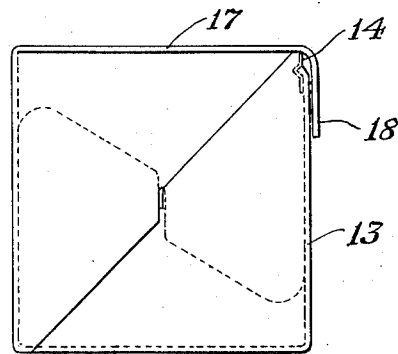
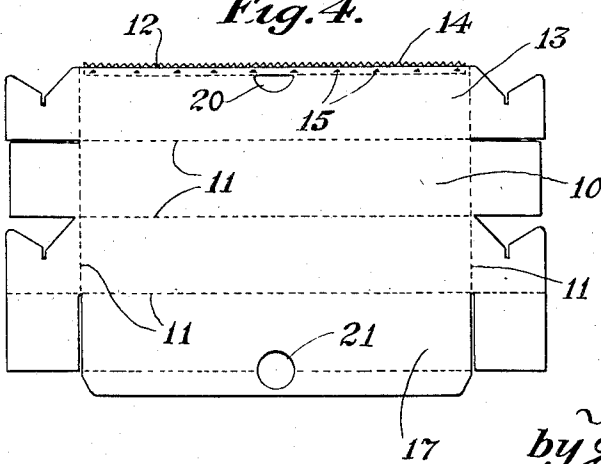


Fig. 4.



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UNITED STATES PATENT OFFICE.

NICHOLAS MARCALUS, OF PLAINFIELD, NEW JERSEY, ASSIGNOR TO AUTOMATIC PAPER MACHINERY COMPANY, INC., OF PLAINFIELD, NEW JERSEY, A CORPORATION OF NEW JERSEY.

BOX FOR PAPER ROLLS.

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This invention relates to boxes or dispensing packages for rolls of paper, and in particular to a box for retaining a roll of waxed paper provided with a metal strip enabling the strip of paper to be readily cut or torn from the roll as needed.

A primary object of the invention is to provide a box adapted to hold a single roll of paper or other material; the box being provided with a serrated metal strip on one of its walls to enable the strip of paper to be torn from the roll with an ornamental edge.

Another object of the invention is to secure the metal strip at one of the edges or corners of the box so that the strip of paper being withdrawn from the roll may be readily pulled over the metal strip as it is being unwound from the roll and torn off of any length desired.

A still further object of the invention is to provide an opening in one or more of the walls of the box to facilitate withdrawing the strip of paper from the roll.

Another feature of importance is that the flap of the box may be placed outside of the metal tearing strip so that the hands will not come into contact with the serrated edge of the metal strip or, the flaps may be placed within the box to guide the paper from the roll while it is being withdrawn.

With these and other objects in view, my invention consists in the features of construction and operation set forth in the following specification and illustrated in the accompanying drawing.

In the accompanying drawing annexed hereto and forming a part of this specification, I have shown my invention embodied in a paper box for a waxed paper roll, but it will be understood that the invention can be otherwise embodied and that the drawings are not to be construed as defining or limiting the scope of the invention, the claims appended to this specification being relied upon for that purpose.

In the drawing:

Figure 1 is a front elevation of the box showing the metal tearing strip in position.

Fig. 2 is a transverse sectional view taken on line 2-2 of Fig. 1.

Fig. 3 is an end elevation of the box with the flap of the box outside and

Fig. 4 is a plan of the box before folding. In the above drawing I have shown but one embodiment of the invention which is now deemed preferable, but it is to be understood that changes and modifications may be made within the scope of the appended claims without departing from the spirit of the invention.

Briefly, in its broadest aspect, my invention comprises the following principal parts: first, an outline of card board or other heavy material preferably of paper and adapted, when folded, to form the walls and cover flap of a complete box; second, a metal strip fastened to the edge of one of the walls and having one of its longitudinal edges extending beyond the edge of the wall; and third, apertures cut in the wall adjacent the metal strip and in the cover flap.

Referring more in detail to the figures of the drawing, the box forming the present invention is formed from a sheet of paper or other material shown in Fig. 4. This may be of such shape that the complete box including its cover and flap may be made from a single sheet by folding upon the dotted lines 11 shown in Fig. 4. As the method of folding and shaping the box forms no part of the present invention, further description is thought to be unnecessary.

Along the free edge 12 of the front wall 13 of the box is a metal strip 14. As shown clearly in Figs. 1 and 2 the strip 14 extends slightly beyond the edge 12 of the paper. Also the free longitudinal edge of the strip 14 is serrated or scalloped to form an ornamental or "pinked" edge. To fasten the strip 14 in position on the wall 13 of the box, portions of the strip are stamped or punched from the strip to form short projections which are forced through the wall 13 and then crimped down on the opposite side. Also to add strength to the strip 14 and to prevent it from bending or buckling easily it may be grooved or corrugated longitudinally as shown at 16.

Fig. 3 shows an end view of the box with the cover 17 forming one of the walls of the box having its flap 18 on the outside of the front wall 13. In this position the metal strip 14 is entirely covered and protected and thus is not liable to come into contact with the hands while carrying it. In this

position the box may be shipped or carried. When it is desired to withdraw paper and detach it from the roll, the flap 18 of the cover 17 is placed within the wall 13, thus exposing the metal strip 14 preparatory for use. The flap 18 in this position, shown in Fig. 2, serves to guide the paper from the roll 19 to the metal edge 14.

For convenience in unrolling the strip of paper to withdraw additional sheets after one has been detached by the metal edge 14, openings 20 and 21 are formed in the front wall 13 and in the cover 17. The opening 21 in the cover 17 preferably is circular and extends partly into the cover flap 18. Thus, when the flap 18 is in the position shown in Fig. 2, a person can grasp the end of the paper through the openings 20 and 21 and withdraw as much paper as needed.

What I claim is:

1. A box comprising a single folded piece of material and a metal strip having a serrated edge attached with its serrated edge adjacent the free edge of one of the walls of the box, a cover flap for said box forming an integral part of the same piece of material as said box and adapted to fit inside or outside of the wall of the box carrying the metal strip, said metal strip being attached to said box longitudinally of and adjacent the free edge of said cover flap thereby forming a cutting edge for material within the box, and said metal strip being adapted to be concealed or exposed by the position of said flap outside or inside of said box.

2. A box comprising a single folded piece of material and a metal strip having a serrated edge attached with its serrated edge adjacent the free edge of one of the walls of

the box, prongs formed by and upstanding from said strip whereby they may pass through and be crimped upon one of the walls of said box, a cover flap for said box forming an integral part of the same piece of material as said box and adapted to fit inside or outside of the wall of the box carrying the metal strip, said metal strip being attached to said box longitudinally of and adjacent the free edge of said cover flap thereby forming a cutting edge for material within the box, and said metal strip being adapted to be concealed or exposed by the position of said flap outside or inside of said box.

3. A box comprising a single folded piece of material and a metal strip having a serrated edge attached with its serrated edge adjacent the free edge of one of the walls of the box, prongs formed by and upstanding from said strip whereby they may pass through and be crimped upon one of the walls of said box, a cover flap for said box forming an integral part of the same piece of material as said box and adapted to fit inside or outside of the wall of the box carrying the metal strip, said metal strip being longitudinally grooved whereby it is stiffened against bending and attached to said box longitudinally of and adjacent the free edge of said cover flap thereby forming a cutting edge for material within the box, and said metal strip being adapted to be concealed or exposed by the position of said flap outside or inside of said box.

In testimony whereof, I hereto affix my signature.

NICHOLAS MARCALUS.