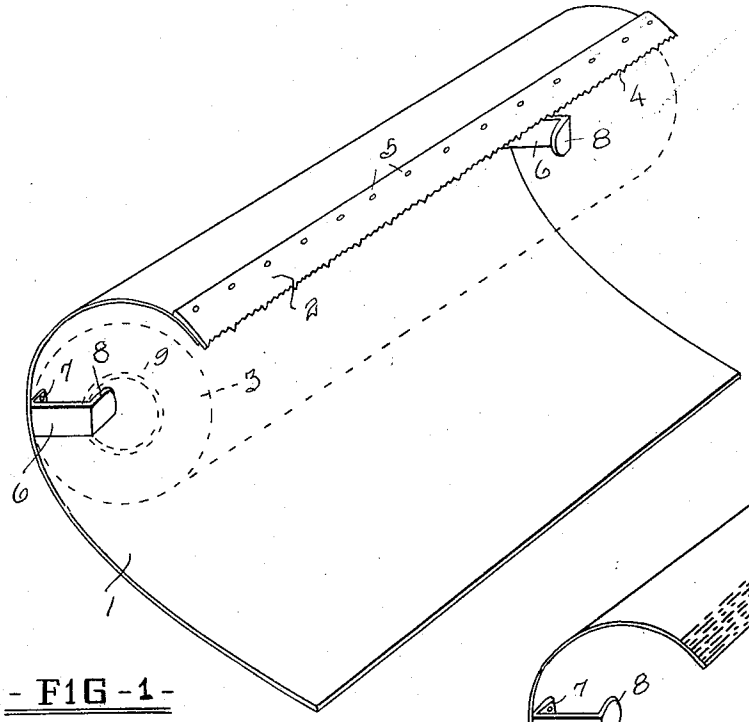
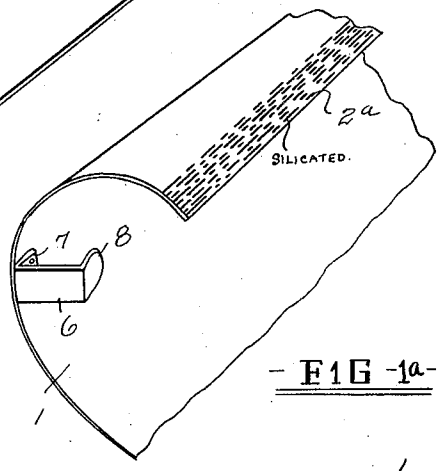
June 27, 1933. D. C. HURLBUT 1,915,736

COMBINED COVER AND CUTTER FOR PAPER ROLLS

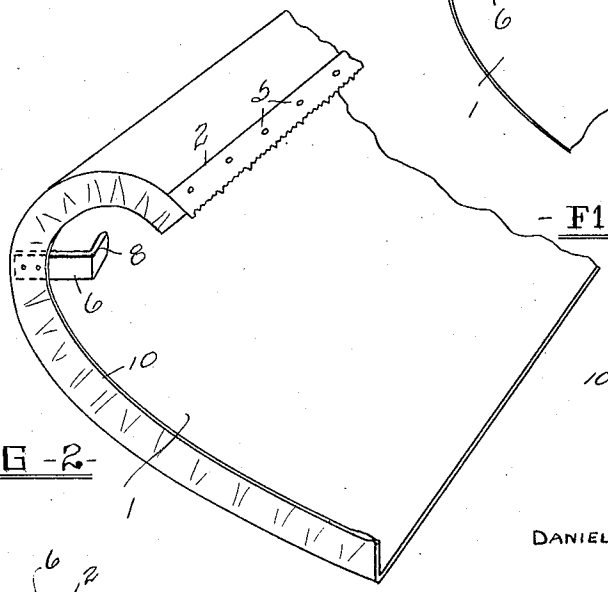
Filed Feb. 18, 1931 5 Sheets-Sheet 1



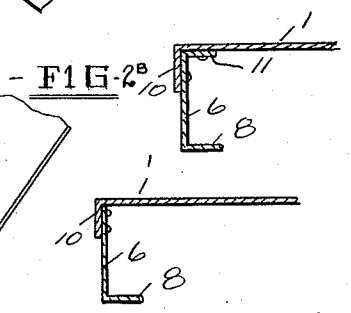
- FIG -1-



- FIG -1a-

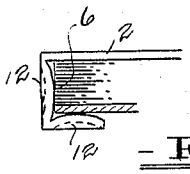


- FIG -2-



- FIG -2B-

- FIG -2a-



- FIG -2c-

Inventor

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June 27, 1933. D. C. HURLBUT 1,915,736

COMBINED COVER AND CUTTER FOR PAPER ROLLS

Filed Feb. 18, 1931 5 Sheets-Sheet 2

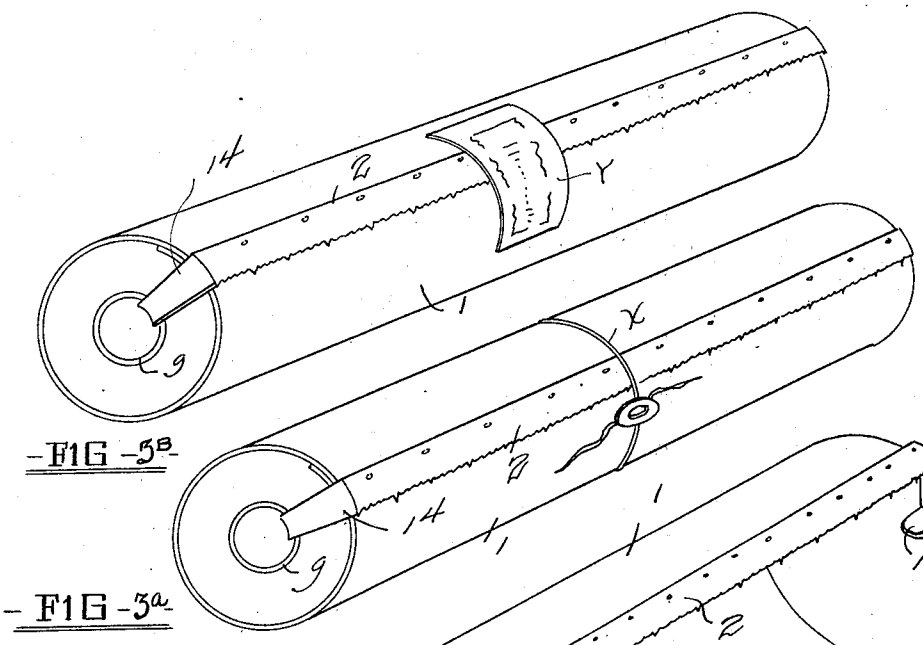


FIG -3B-

FIG -3A-

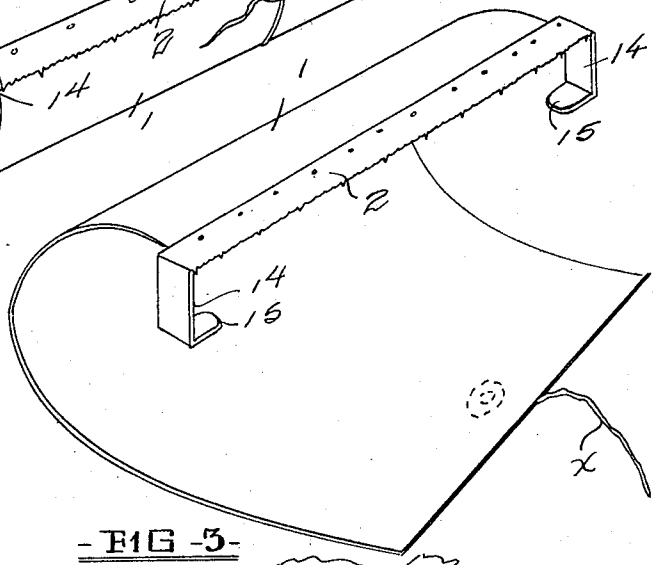


FIG -3-

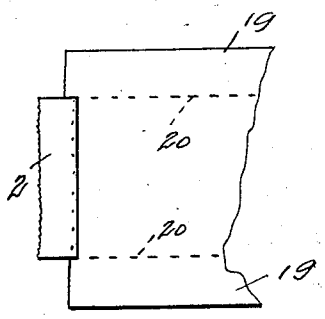


FIG -4C-

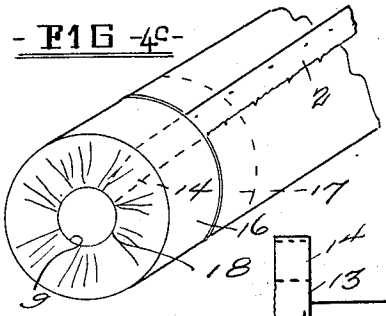


FIG -4B-

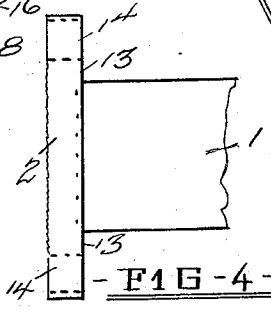


FIG -4-

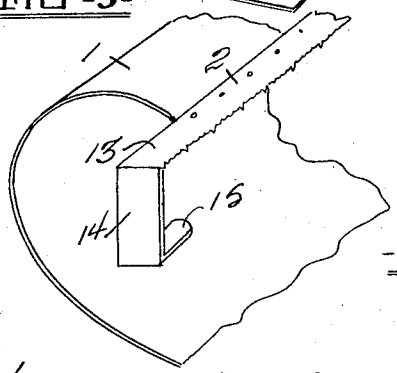


FIG -4A-

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COMBINED COVER AND CUTTER FOR PAPER ROLLS

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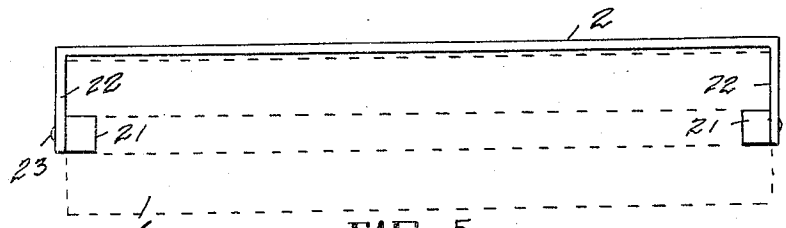


FIG -5-

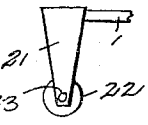


FIG -5a-

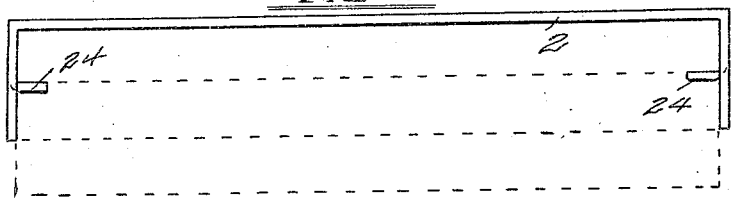


FIG -6-

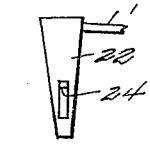


FIG -6a-

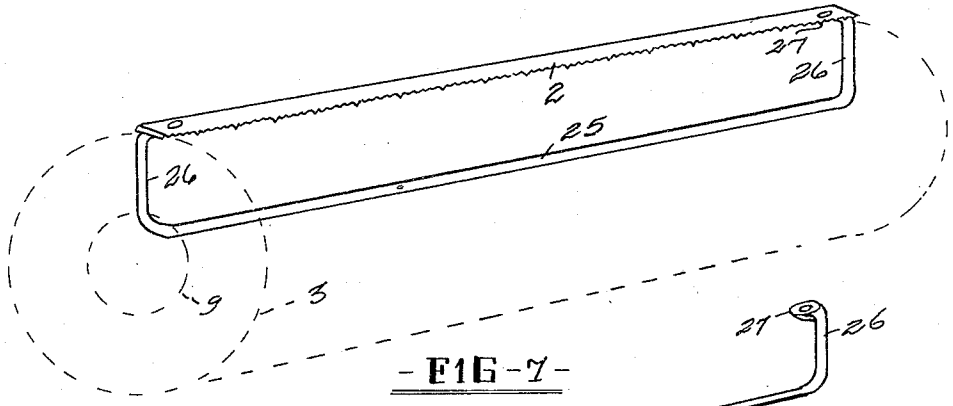


FIG -7-

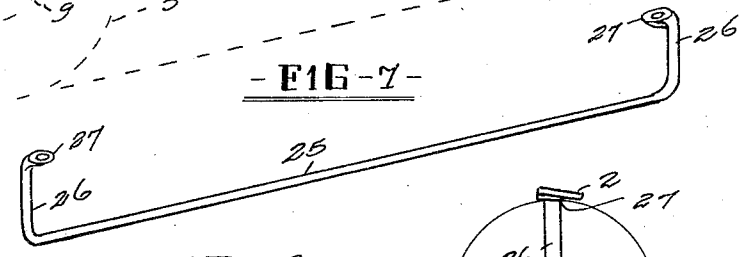


FIG -7a-

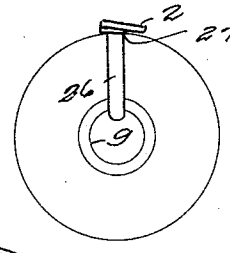


FIG -7c-

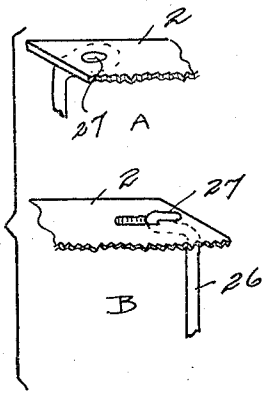


FIG -7b-

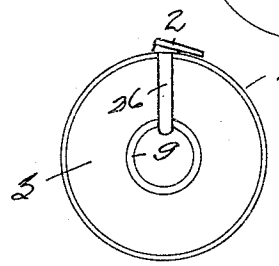


FIG -7d-

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June 27, 1933. D. C. HURLBUT 1,915,736

COMBINED COVER AND CUTTER FOR PAPER ROLLS

Filed Feb. 18, 1931 5 Sheets-Sheet 4

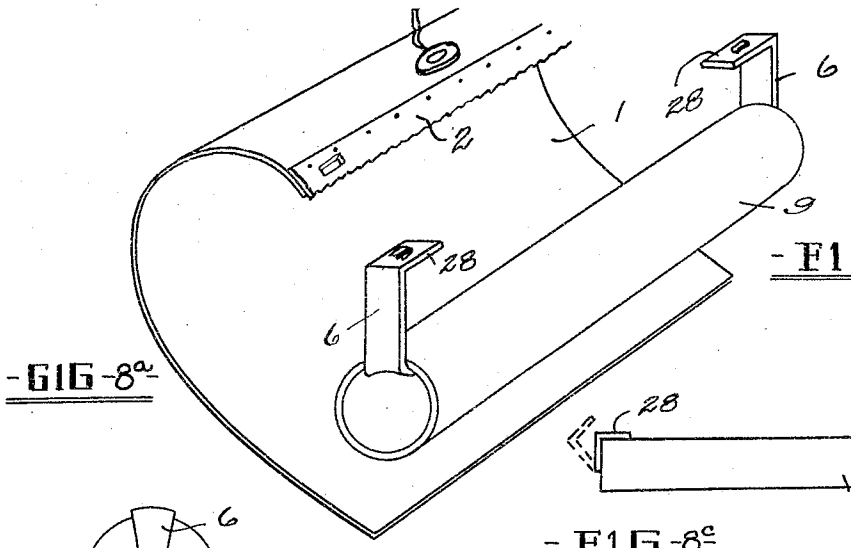


FIG-8

FIG-8a

FIG-8c

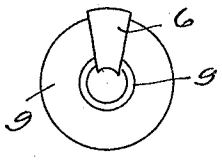


FIG-8b

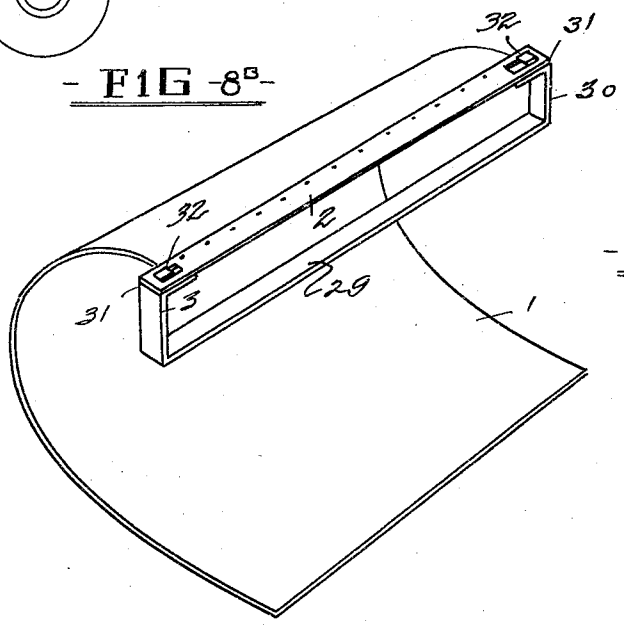


FIG-9

Inventor

DANIEL C. HURLBUT.,

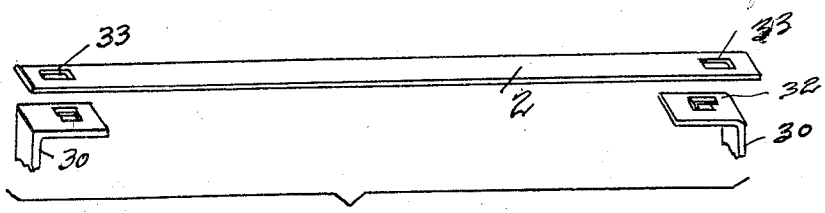
By Wm. I. Cattell

Attorney

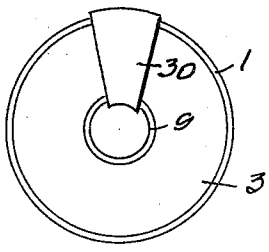
June 27, 1933. D. C. HURLBUT 1,915,736

COMBINED COVER AND CUTTER FOR PAPER ROLLS

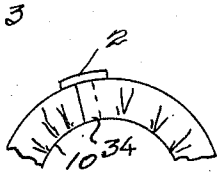
Filed Feb. 18, 1931 5 Sheets-Sheet 5



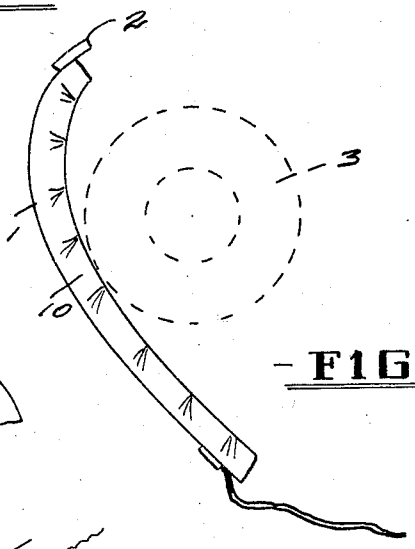
- FIG -9B-



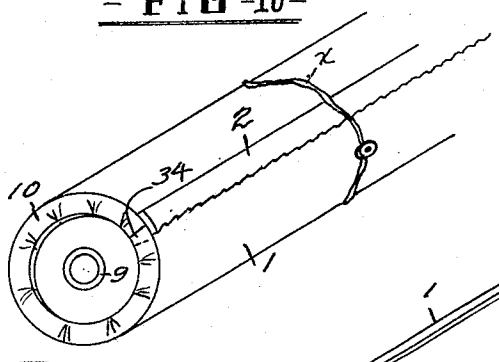
- FIG -9C-



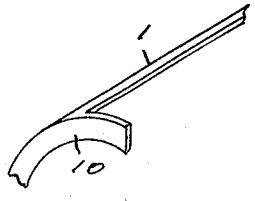
- FIG -10C-



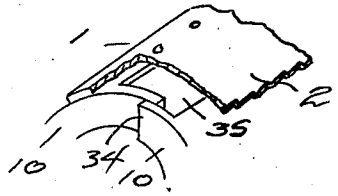
- FIG -10B-



- FIG -10-



- FIG -10A-



- FIG -10D-

Inventor

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By Wm. L. Cushman

Attorney

Patented June 27, 1933 1,915,736

UNITED STATES PATENT OFFICE

DANIEL C. HURLBUT, OF BENNINGTON, VERMONT, ASSIGNOR TO BENNINGTON WAX PAPER COMPANY, OF BENNINGTON, VERMONT

COMBINED COVER AND CUTTER FOR PAPER ROLLS

Application filed February 18, 1931. Serial No. 516,802.

My present invention, in its broad aspect, has to do with improvements in combined covers and cutters for rolls of waxed paper, tissue paper, oiled papers, glassine, and the like; and more particularly it is my purpose to provide a cheap, simple and effective means of maintaining a roll of paper in a sanitary and desirable condition, and at the same time provide means whereby lengths of paper from the roll may be handily and cleanly severed as used. I am well aware that the prior art discloses cutter edges in conjunction with boxes and the like for dispensing and severing lengths of paper, and I am also familiar with devices and appliances for cutting paper in desired lengths apart from or not in conjunction with a container for paper. Many of these prior art devices are impractical from the standpoint of cheapness and desirability, and it is my special purpose to so combine a cutter or cutting edge, and a cover, to the end that these elements will be commensurate in cost of manufacture (and consequent retail price) with the relative cost of a small roll of waxed, or other, paper; i. e. to the end that the retail price of a roll of waxed, or other, paper will not be appreciably increased by the desirable addition thereto of my novel cover and cutter.

My invention, briefly stated, contemplates the use of a cover element of paper or other material which is nominal in cost, combined with a cutter edge (which may be serrated if desired) and a means for rotationally or movably securing the cover and cutter edge to a roll of paper or to the core thereof in such a manner that the cutter edge (and consequently the cover) may be moved or rotated about to different positions on the roll commensurate with the length of stock to be severed, or inversely, the cover and cutter may be held stationary while the paper roll is revolved to permit withdrawal from beneath the cutter of the desired length of stock. In practice the roll is grasped with one hand, and the free end of the paper stock with the other hand and the desired length of stock drawn out from beneath the cutter edge, whereupon the roll is pressed with the fingers to induce the necessary "drag" so that the sheet may be torn off or severed on the cutting edge. Meanwhile the cover will prevent soiling of the roll by the hands, and the roll will otherwise always be maintained in a thoroughly clean and sanitary condition.

Other and equally important objects and advantages will appear as the description proceeds, and since my invention is capable of considerable modification in form, size, and special arrangement of parts, a number of variations are shown in the drawings; however it is emphasized that the original concept is carried out through the several forms shown and hereinafter described.

In the drawings wherein my invention is illustrated:—

Figure 1 is a perspective view of my cover and cutter, with the cover partly opened up to show the construction of the attaching and pivoting devices carried by the cover and designed to rotatively engage the core of the roll which is shown in dotted lines,

Fig. 1A is a perspective view of a similar form in which a silicated or hardened edge is substituted for a metal cutting edge.

Fig. 2 is a view of a form of my device with downwardly bent edge portion or flanges on the cover to protect the edges of the wax roll, and the attaching clips or means are attached to the flanges or downwardly bent edges.

Fig. 2A is a section showing the arrangement of the clips and flanges,

Fig. 2B is a modified form showing the clips attached both to the flanged or downwardly bent edge and to the body of the cover,

Fig. 2C is a detail of a type of clip designed to avoid friction or tearing of the core, that is, the clip presents no sharp or abrupt edges.

Fig. 3 is a view of a modified form of my invention in which the attaching clips are formed by extending the end parts of the cutter edge, and bending them down and into the core, and in this case no clips are attached to the cover per se.

Fig. 3A shows a method of holding the cover closed by means of a string or the like.

Fig. 3B shows a method of holding the cover closed by means of a seal, and said seal may also serve as a label.

Fig. 4 shows a modified form in which the cover part is slightly narrower than the cutter edge and narrower also than the waxed paper roll,

Fig. 4A shows the manner of applying the form shown in Figure 4 to a roll,

Fig. 4B shows a roll duly sealed up, with

end strips beneath the edges of the main body of the cover and extending out and tucked into the core,

Fig. 4C shows the cover somewhat wider than the cutter edge to form side pieces to be tucked into the core, said side pieces being detachable along the perforated lines indicated by dotted lines.

Fig. 5 is a view of a modified form of my device wherein plugs are used in the ends of the roll, and the cutter edge attached to the plugs.

Fig. 5A is an end view thereof.

Fig. 6 is a view of a modified form of my device in which ears are struck out of the downwardly bent ends of the cutter edge to clip into the core to hold the cutter edge on the roll,

Fig. 6A is an end view thereof,

Fig. 7 is a perspective view of a cutter edge mounted upon a wire support or arbor carried by the core,

Fig. 7A is a view of the wire support or arbor,

Fig. 7B, views A and B show the manner of attaching the cutter edge to the arbor,

Fig. 7C is an end view of the form of my device shown in Figure 7 without a cover, and

Fig. 7D is an end view of the form of my device shown in Figure 7 with a cover,

Fig. 8 is a view of my device wherein the attaching clips are carried by and attached positively to the core, and designed to be disposed to engage the cover as shown,

Fig. 8A is a view of the cover and cutter per se,

Fig. 8B is an end view of the core and clips per se,

Fig. 8C is a side view of the roll, and

Fig. 9 is a view of a modified form of my invention similar in construction to the form shown in Figure 7, and in this case a flat metal strip is used for the support or arbor and the cutter edge is attached thereto (preferably removably) by up struck fingers engaging in eyes formed in the ends of the cutter edge.

Fig. 9B is an isometric view showing in detail the manner of attaching the cutter edge to the arbor.

Fig. 9C is an end view thereof.

Fig. 10 is a view of a modified form of my invention wherein no clips or other attaching means are used in conjunction with the cover, cutter and core.

Fig. 10A is a detail showing the edge flanges of the cover.

Fig. 10B is a view of the cover opened up, the roll being shown in dotted lines.

Fig. 10C is a detail view showing the manner of attaching the meeting and overlapping ends of the flanges to hold the cover on the roll, and

Fig. 10D is a detail view partly broken away to show the overlapping ends attached together by glue, rivets or other suitable attaching means.

In the drawings, wherein like characters of reference are used to designate like or similar parts throughout the several views:—

My device is shown in said views as comprising a cover (1) and a cutter edge (2). The cover (1) may be of any suitable material, such as paper board or the like, and is merely a sheet of material designed to cover and protect the roll of waxed paper, or tissue paper or the like (3). The cutter edge is of metal, celluloid or the like and may be serrated as at (4) and is attached to one end of the cover as by rivets, instruck prongs, or the like designated (5).

Referring now to Figures 1—1A and 2—2A—2B—2C, my cover is shown provided with attaching means or clips (6), which are riveted or otherwise attached to the cover as at (7), and each has an inwardly bent finger or end (8) designed to rotatably and movably engage the core (9) of the roll of paper (3). As shown in Figure 2 the cover may have downwardly bent or flanged side edges (10) designed to prevent soiling or tearing the roll of paper, and the clips (6) may be attached to the flange as in Figure 2A, or to both the flange and the body of the cover as in Figure 2B in which case the inturned part (11) serves as a reinforcement as well. In Figure 2C a method of facilitating the rotary motion of the clips in the core is shown, the material of the body of the clip and of the finger part being arcuate as at (12) to form rounded or non-friction contact with the roll and core.

In Figures 3—3A—3B, and 4—4A—4B—4C I have shown a form of my device wherein the cutter edge (2) is extended as at (13) and bent downwardly as at (14) and inwardly as at (15) to form clips integral and apart of the cutter edge. In the form shown in Figure 4, the cover (1) is appreciably narrower than the paper roll and serves to prevent soiling of the roll by the hands. In practice the roll is shipped with end strips (16) fitted with its inner edges (17) beneath the edges of the cover and extending out to be tucked into the core as at (18) to protect the ends of the roll. If desirable the cover may be formed with side extensions (19) detachable along perforated lines (20) for tucking into the core to protect the ends of the roll. These end strips are removed before the article is placed in use.

In the form shown in Figure 3, the cover (1) and cutter (2) are practically co-extensive or the same width. In this case a string or cord fastening (X) is used to hold the cover closed. In Figure 3B a seal (Y) is used to hold the cover closed and this may be printed up in the form of an attractive label.

In the forms of my invention shown in Figure 5—5A and 6—6A the attaching clips are also integral, with the cutter edge (2). The form shown in Figure 5—5A contemplates the use of plugs (of wood or the like) designated (21) fitting into the ends of the roll, and to which the downwardly bent parts (22) of the cutter strip are attached by screws, instruck detents or the like (23). In the form shown in Figures 6—6A the instruck lips or detents (24) rotatably engage in the core (shown in dotted line) so that the cutter edge may be moved or rotated.

In Figure 7 I have shown a form of my device wherein a U-shaped support or arbor (25) of ordinary heavy gauge wire is carried by the core with the end parts (26) extending up along the ends of the roll and the terminals flattened out and inturned as at (27). The cutter edge (2) is attached to these flattened ends (27); one end may be attached permanently as by a rivet, and the other end may be removably attached as by an up struck ear catching in an eye at the end of the cutter edge, see views A and B respectively of Figure 7B.

In Figures 8—8A—8B—8C I have shown a form of my invention where the clips (6) are attached directly to the core; said clips being of relatively soft metal such as aluminum or tin so that the inturned parts (28) may be bent to engage on the edges of the cover (1) to hold it on the roll (3). A fastening string (X) or a seal (Y) may be used to hold the cover closed or to seal the package.

In Figures 9—9B—9C I have shown a form of my invention similar to that shown in Figure 7. However, in the present form a strip of flat metal (29) forms a U-shaped arbor and its right-angularly bent end parts (30) terminate in inturned ears (31) from which are up-struck or punched the hook-like fingers (32) which detachably engage in the openings or eyes (33) in the ends of the cutter edge to hold the cutter edge on the arbor; the metal has sufficient outward spring to hold the hooks engaged in the openings or eyes. The cutter edge has attached thereto a cover (1).

In Figure 10 I show a form of my invention wherein no clips or other means engage in the core 9. The cover (1) has downwardly bent or turned or flanged edges (10), similar to the form shown in Figure 2. These flanged parts overlap as at (34) as shown in Figures 10D and 10, and may be glued, riveted or otherwise secured together to hold the cover on the roll. In this form the end edges of the cover do not meet so that a slot (35) is formed through which the paper may be withdrawn from beneath the cutter blade (2) which overreaches or overlies the slot (35) as shown in Figures 10A and 10D.

In all of the above described forms of my invention the operation is substantially the same, as follows: the string (X) or seal (Y) is broken; the cover grasped with the left hand loosely and a length of paper drawn out from beneath the cutter edge (2). The pressure is increased, with the thumb pressing on the cutter edge if desired, to exert the desired drag on the roll, and the length of wax paper is torn off against the cutter edge, or against the hardened silicated edge 2A of Figure 1A. The seal or string is then replaced to close the package.

While in the foregoing the various forms of my invention have been described in great detail, it is desired to emphasize that the scope of my invention should only be ascertained by reference to the appended claims.

I claim:—

1. A packaging and cutting device for a roll of paper of the type having a core, comprising a flexible sheet about the outside surface of the roll forming a cover, the ends of which overlap to cause the cover to hug the outside of the roll irrespective of its diameter when the cover is closed, a cutter edge on one end of the cover and adapted to be guarded by the other overlapping end when the cover is closed, means for retaining the device in connection with the roll of paper, said means being freely slidable around the core of the roll, and a fastening device for holding the cover closed.

2. A packaging and cutting device for a roll of paper of the type having a core, comprising a relatively heavy flexible sheet bent cylindrically about the outside surface of the roll with its meeting ends overlapping to cause the cover to hug the outside surface of the roll irrespective of its diameter when the cover is closed thereabouts, a cutter edge on one of the ends of the cover sheet, means for retaining the cover sheet in closed position about the roll, and means formed to slide freely about the roll while maintaining engagement therewith for holding the device on the roll of paper.

3. A packaging and cutting device for a roll of paper of the type having a core, comprising a rectangular sheet of material bent to enclose the roll when it is not in use and having overlapping ends thereby to cause the cover to closely hug the roll irrespective of variations in its diameter, said cover when open adapted to fall away from and expose the surface of the roll, means for holding the cover in connection with the roll and at the same time freely movable about the roll, and a cutter edge carried on one edge of the cover sheet.

4. A packaging and cutting device for a roll of paper of the type having a core, comprising a sheet of material enclosing the roll when the roll is not in use and having overlapping ends thereby to cause the cover to closely hug the roll irrespective of variations

in its diameter, said cover when open adapted to fall away from and expose the surface of the roll, means loosely engaging the core of the roll for holding the cover in connection with the roll and at the same time freely movable about the roll, a cutter edge carried on the cover sheet, and means for holding the cover sheet in closed relationship with respect to the roll.

5. A packaging and cutting device for a roll of paper, comprising a flexible sheet of material bent to form a cylinder enclosing the roll and having overlapped ends to adjust the diameter of the cover to the diameter of the roll so that the cover closely adheres to the surface of the roll when the roll is not in use, means for holding the cover in closing relationship to the roll, said cover when open adapted to fall away from and expose the roll, a cutter edge on one of the edges of the cover and extending transversely of the roll, and means engaging the roll and freely movable with respect thereto for holding the device thereon when the cover is opened up, so that the cover may be moved about the roll circumferentially without detachment therefrom to properly position the cutter with respect to the portion of the paper roll to be severed from the body of the roll.

6. A packaging and cutting device for rolled paper comprising a cutter edge disposed transversely of the roll and freely movable about the roll circumferentially thereof to position the same with respect to the length of paper from the roll to be severed, means for holding the cutter edge on the roll so that it fits against or hugs the surface of the roll irrespective of the diameter of the roll, a flexible sheet of material connected with the cutter edge at one side only and extending about the roll when the roll of paper is not in use to closely hug the surface of the same and protect it from dirt and dust, and the ends of the cover sheet overlapping when in closing position with respect to the roll.

7. A packaging and cutting device for rolled paper comprising a flexible sheet of material bent to form a cylindrical enclosure for the roll and having overlapped ends to adjust the diameter of the cover when rolled about the roll to the diameter of the roll so that the cover closely adheres to the surface of the roll when the roll is not in use, a cutter edge in conjunction with the cover sheet and extending transversely of the roll, and means separable from the cover and cutter and engaging the roll and freely movable with respect thereto, for holding the cover and cutter on the roll while permitting circumferential movement of the cover and cutter with respect to the roll.

8. A packaging and cutting device for rolled paper comprising a flexible sheet of material normally bent to form a cylindrical enclosure for the roll and having overlapping ends to adjust the diameter of the cover to the diameter of the roll so that the cover at all times hugs the surface of the roll when in closed position, means for holding the cover in closing position, said cover when opened up adapted to fall away from and expose the roll, a cutter edge on the cover extending transversely of the roll, and means engaging the roll at the ends thereof, and freely movable with respect to the roll circumferentially for holding the cover and cutter on the roll while permitting circumferential movement thereof to adjust the position of the cutter to the size of the sheet to be severed.

9. A packaging and cutting device for a roll of paper, comprising a flexible cover sheet about the outside of the roll constituting a package for the same, the ends of which overlap to cause the cover to hug the outside of the roll irrespective of changes in the diameter of the roll occasioned by withdrawal of paper therefrom, the end of the roll of paper normally passing between the overlapped ends of the cover sheet, and a cutter edge member on one of the ends of the cover sheet and attached directly thereto to lie transversely to and in contact with the length of paper normally passing between the overlapping ends of the cover sheet, said cutter edge member having end extensions normally bent toward the center of the roll of paper and inwardly toward each other to form a clasp for maintaining the cover and roll in operative assembly.

10. A combined wrapper and cutter for paper roll dispensing, comprising an elongated, substantially rigid cutter element, a curved cover element substantially equal in width to the length of the cutter element and attached thereto, substantially rigid clip means carried by the cutter element and extending axially inwardly and having rightangularly projecting means for engaging a roll of paper to which the dispensing device is applied, the cover element being flexible and contractible to engage the peripheral surface of an enclosed roll of paper as its diameter is decreased by use and to permit the cover to be flexed to induce a drag upon a length of paper being withdrawn from the roll, and said flexible cover element engaging and hugging the exterior of an enclosed roll of paper and of sufficient length to cover more than one half of the roll while the cutter is being used.

In testimony whereof I affix my signature hereto.

DANIEL C. HURLBUT.