No. 851,835. PATENTED APR. 30, 1907.

S. M. RAMSEY.

ROLL PAPER CONTAINER AND CUTTER.

APPLICATION FILED DEC. 3, 1906.

2 SHEETS—SHEET 1.

Fig. 1.

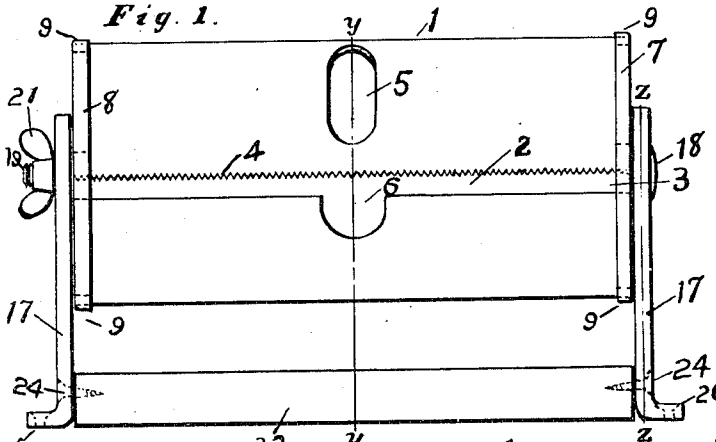


Fig. 2.

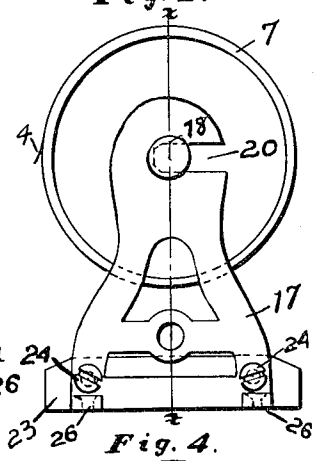


Fig. 3.

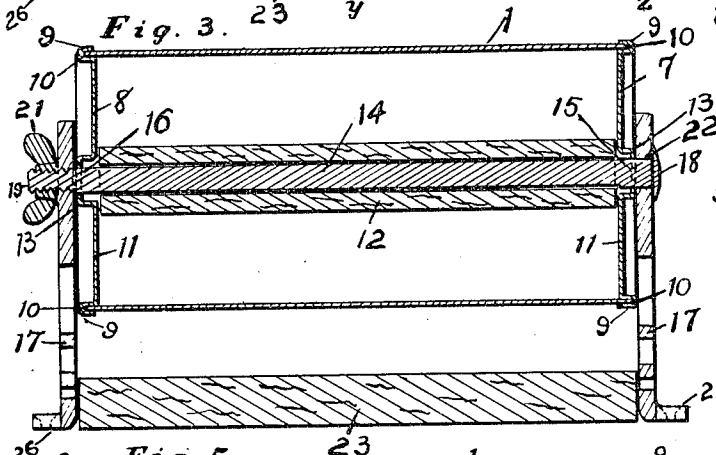


Fig. 4.

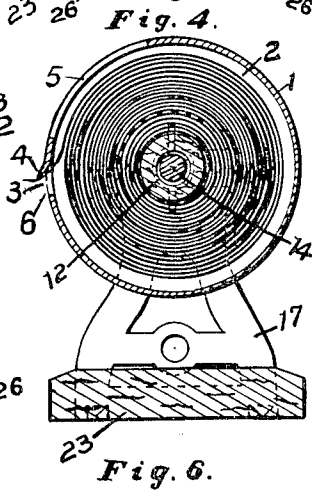


Fig. 5.

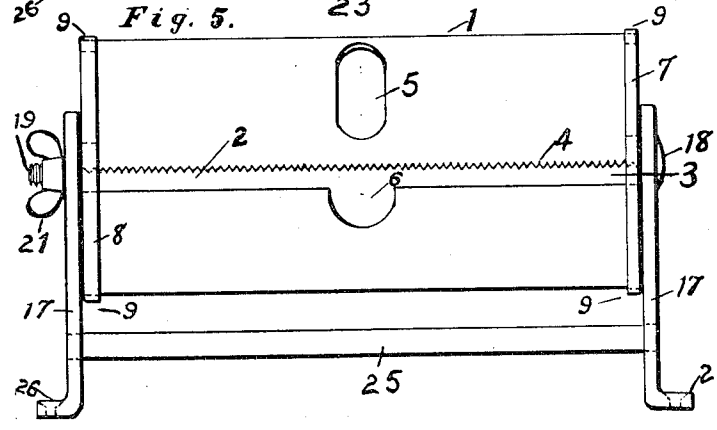
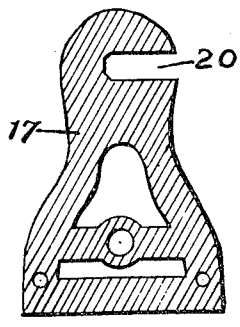


Fig. 6.



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2 SHEETS—SHEET 2.

Fig. 7.

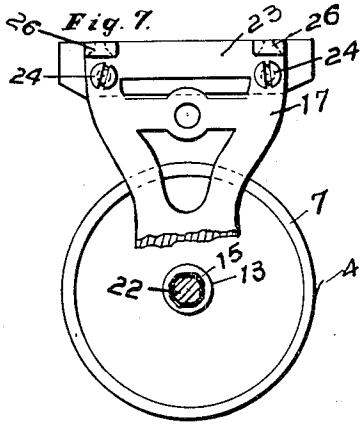


Fig. 8.

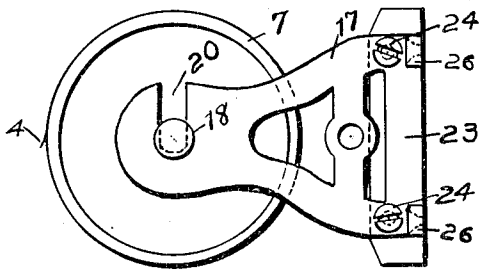


Fig. 9.

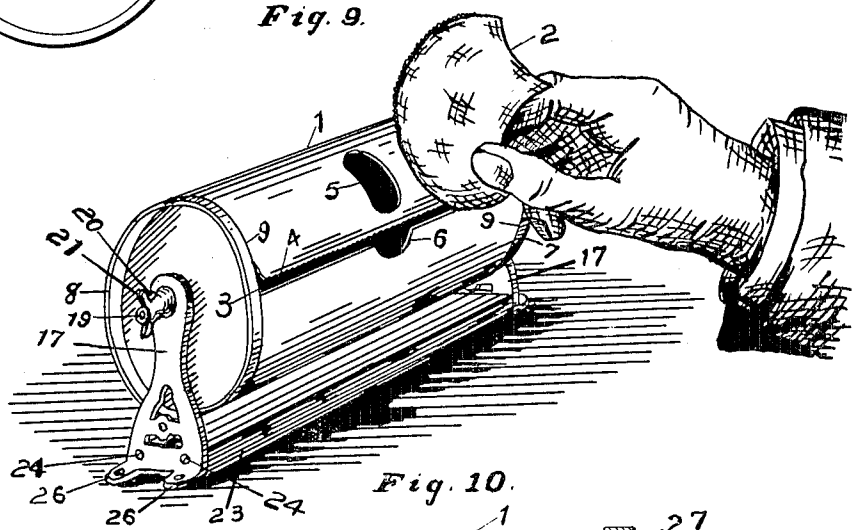
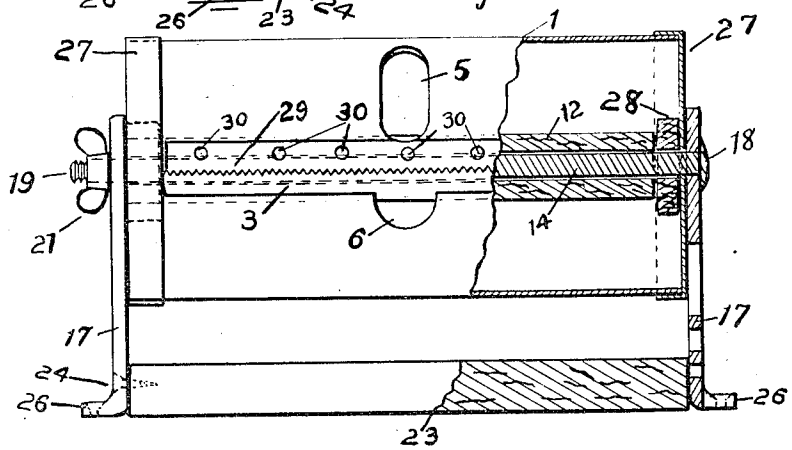


Fig. 10.



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UNITED STATES PATENT OFFICE.

STANLEY M. RAMSEY, OF CINCINNATI, OHIO.

ROLL-PAPER CONTAINER AND CUTTER.

No. 851,835. Specification of Letters Patent. Patented April 30, 1907.

Application filed December 3, 1906. Serial No. 345,996.

To all whom it may concern:

Be it known that I, STANLEY M. RAMSEY, a citizen of the United States, residing at Cincinnati, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Roll-Paper Containers and Cutters, of which the following is a specification.

My invention relates to means for holding and protecting roll paper, and more particularly waxed roll paper, and to means for dispensing or removing it therefrom in strips or sheets of any size desired.

The object of my invention is to provide a convenient, efficient, handy and economical device for containing and dispensing waxed roll paper especially intended and adapted for domestic use, and also for containing and dispensing any other roll paper and for any purpose.

My invention consists in providing a cylindrical container or case adapted to receive a roll of paper and having a longitudinal slot in one side thereof with a cutter adjacent said slot, a finger-opening near said slot through which to give initial movement to the paper when starting it through the slot and a thumb-notch through which to grasp the paper.

My invention also consists in the parts and combination of parts, in the details of construction and arrangement, and in the whole as an article of manufacture.

My invention further consists in incasing said rolls, and in severing sheets therefrom of any size desired for immediate use without removing the roll from the case; all as herein set forth and claimed.

In the drawings which serve to illustrate my invention: Figure 1 is a front elevation of the device. Fig. 2 is an end elevation of the same. Fig. 3 is a longitudinal section on line *x*—*x* of Fig. 2, with the roll of paper omitted. Fig. 4 is a cross section on line *y*—*y* of Fig. 1. Fig. 5 is a front elevation showing a modified form of stay or brace between the standards. Fig. 6 is a section through one of the standards on the line *z*—*z* of Fig. 1, to show the shape of the slot which receives the spindle. Fig. 7 shows the device in inverted position, used as a hanger, but with the end of standard shown in Fig. 8 broken away. Fig. 8 shows it in position to be supported on a wall. Fig. 9 is a perspective view showing the method of cutting the paper. Fig. 10 is a partial front elevation and longitudinal section showing a modified form of the device.

The preferred construction of my device is substantially as follows: A cylinder 1, formed of metal, card-board or other suitable material, and adapted to receive a roll of paper 2, is provided with a longitudinal slot 3 upon one side and adjacent said longitudinal slot a cutter 4 with a finger-opening 5 near said slot by which to give the paper 2 its initial movement therethrough, and a thumb-notch 6 adjacent said slot through which to grasp said paper. The cylinder 1 is provided with fixed head 7 and removable head 8 each having a flange 9 and groove 10 adapted to receive and engage the respective ends of cylinder 1. Fixed head 7 may be riveted, soldered or otherwise permanently secured to cylinder 1 while removable head 8 is secured thereto merely by frictional contact and by engagement with the other parts of the device. Heads 7 and 8 are each extended inwardly to form guides 11 for the ends of the paper roll 2 and the core 12 upon which said roll is mounted. The central part of each head 7 and 8 is extended outwardly to form cap-bearings 13 to receive spindle 14 through openings 15 and 16 respectively, and engage standards 17. The spindle 14 is provided with a head 18 at one end and a screw-thread 19 at the other and is inserted in slotted-bearings 20 in the standards 17, through the cap-bearings 13 in the heads 7 and 8, respectively and through core or sleeve 12, and is secured in position by thumb-nut 21. The spindle 14 is provided with a polygonal shank 22 which is adapted to engage a similar surface in the slotted-bearing 20 and opening 15 in the fixed head 7 to hold cylinder 1 from turning when in use.

The cutter 4 is preferably serrated and formed integral with the cylinder, or it may be formed smooth and sharp and consist of a separate metallic strip secured to the cylinder, if desired, but for severing waxed paper, the serrated cutter is essential for securing the best results.

The standards 17 may be connected together by a base 23 secured thereto by screws 24, as shown in Figs. 1 and 2, or they may be connected by means of brace 25, as shown in Fig. 5, or by both. Each standard is pro-

vided with lugs 26 by which the device may be permanently and securely fastened for use in any position desired.

My invention is adapted to be supported upon a table as shown in Figs. 1, 3, 5, 9 and 10, and may be either loosely or permanently mounted thereon, or upon any other object, as may be desired. If preferred, or more convenient, it may be allowed to depend, as shown in Fig. 7 or secured to a wall as shown in Fig. 8. In each of these, however, the standard and base may be constructed substantially the same as when the device is supported in upright position upon a table.

As shown the device is adapted to be disposed in various positions for use and the cylinder is rendered adjustable to arranging the slot at any location or angle desired by having polygonal engagement between the fixed head 7 and spindle 14; thus obtaining minimum simplicity of construction with maximum of adjustability.

While I have shown the cutter 4 above the slot 3 whereby the paper will be drawn upwardly when being severed from the roll, as shown in Fig. 9, by transposing the longitudinal and vertical positions of the cylinder and reversing the position of the spindle 14 and thumb-nut 21, the cutter 4 may be brought below the slot 3, as shown in Fig. 7, in which case the paper is drawn downwardly across the cutter when being severed from the roll. The fixed head 7 and each standard 17 are accordingly provided with a polygonal bearing to engage the polygonal shank 22 of spindle 14 whereby cylinder 1 is held from turning. This holds the cylinder in a firm position while the strips of paper are being removed.

It will be apparent that my invention is capable of considerable modification without material departure from the scope or spirit thereof, as for instance, the heads of the cylinder may comprise removable flanged disks 27 each adapted to take over and snugly engage the respective ends of cylinder 1, in which case the polygonal feature may be omitted and guides 28 inserted between the core 12 and flanged disks 27 to hold the paper roll in proper central position in the cylinder whereby when the roll is properly turned the free end of the paper will readily pass through slot 3; and the cylinder may also be made of any material other than metal and have a metallic cutter 29 secured thereto adjacent slot 3 by rivets 30 or otherwise, as illustrated by the modified construction in Fig. 10 which is adapted to be more economically constructed than the construction shown in the other figures.

The manner of use and operation of the device is substantially as follows: The cylinder and base being secured together and mounted in either fixed or movable position, the thumb-nut is detached, the spindle partly removed, and the removable head taken off. The roll of paper is then inserted in the cylinder upon the core or sleeve, the removable head replaced, and the spindle adjusted into the bearings of the standards and the thumb-nut secured thereon. With this simple operation of loading the device, the same is ready for use.

In order to obtain paper for use from the roll simply insert the finger through the finger-opening 5 and press the roll in the direction toward the slot 3. This will bring the free end of the paper adjacent slot 3 when the operator may easily grasp the end between thumb and finger through the thumb-notch 6 and slot 3 and draw the paper downwardly the desired distance and sever it by drawing it upwardly against the cutter, as shown in Fig. 9. In cutting or severing the paper it is necessary to start at one end of the cutter and draw the paper upwardly in a direction diagonal to said cutter. No spring, ratchet, or other usual device is necessary to hold the roll of paper firmly as the sheet is being torn; the natural leverage furnished by a small diameter roll combined with its weight and relative position of the cutter offsets in its hold-back tension, the pulling tension exerted in the act of tearing off a sheet. As the paper is unwound the diameter is decreased but the leverage increased, offsetting proportionately the loss of weight of the roll and thus maintaining substantially the same leverage under the varying conditions as above set forth. I have also discovered that I am enabled to arrange said waxed paper in such a way as to be thoroughly protected from dust and dirt and at the same time to be ever ready for immediate use in such quantities as required, any excess of what is needed for immediate use being retained in perfect condition for use when desired.

I claim:

1. A roll paper container and cutter adapted to receive and contain a roll of paper, comprising a cylinder having a fixed head, and a removable head, bearings in said heads, standards, a spindle adapted to engage said standards and bearings whereby said roll of paper is supported within said container, a core or sleeve adapted to receive said spindle and engage and support said roll of paper, said cylinder having a slot with a cutter adjacent thereto for the purposes set forth.

2. A roll paper container and cutter adapted to receive and contain a roll of paper, comprising a cylinder, heads for said cylinder, each having a bearing, standards for said cylinder, a spindle adapted to be held by said standards and to engage said bearings, said heads each having a guide adapted to engage the end of the paper roll and core, respec-

tively, and cap-bearings adapted to engage said standards, respectively, substantially as set forth.

3. A roll paper container and cutter comprising a cylindrical case adapted to receive and contain a roll of paper and having a longitudinal slot through which said paper may be dispensed, a cutter adjacent said slot, standards each having a slotted bearing, said cylindrical case having heads each provided with a bearing, a spindle adapted to engage said slotted bearings and the bearing in each head, substantially as set forth.

4. A roll paper container and cutter comprising a cylindrical case adapted to receive and contain a roll of paper and having a longitudinal slot through which said paper may be dispensed, a cutter adjacent said slot, standards each having a slotted bearing provided with a polygonal surface, a spindle having a polygonal shank whereby it is adapted to be reversed and the longitudinal and vertical positions of said cylinder transposed to throw said cutting edge either above or below the slot, as desired, or to adapt said device for use as an upright stand, wall-bracket or dependent hanger, substantially as set forth.

5. A roll paper container and cutter comprising a cylindrical case adapted to receive and contain a roll of paper and having a longitudinal slot through which said paper may be dispensed, a cutter adjacent said slot, heads each provided with a bearing, a spindle adapted to engage said bearings and support said cylinder, a sleeve or core adapted to receive and be supported by said spindle, a guide at each end of the case adapted to engage said paper roll and sleeve and standards adapted to support said spindle.

6. A roll paper container and cutter comprising a cylindrical case adapted to receive and contain a roll of paper and having a longitudinal slot through which said paper may be dispensed, a cutter adjacent said slot, heads on said case one of which is removable, a bearing in each head, a spindle adapted to engage said bearings, a sleeve or core adapted to receive and be supported by said spindle, standards, each having a bearing adapted to engage said spindle, and means for securing said parts together.

7. A roll paper container and cutter comprising a cylindrical case adapted to receive and contain a roll of paper and having a longitudinal slot through which said paper may be dispensed, a cutter adjacent said slot, heads on said case one of which is removable, bearings in said heads, a spindle adapted to engage said bearings, a sleeve or core adapted to receive and be supported by said spindle, standards each having a bearing adapted to engage said spindle, a thumb nut adapted to secure said spindle in fixed position in said bearings and a brace by which said standards are connected.

8. A roll paper container and cutter comprising cylinder 1, adapted to receive and contain a roll of paper, provided with longitudinal slot 3 through which said paper may be dispensed and having finger-opening 5 and thumb-notch 6 for the purposes specified, cutter 4 adjacent said slot, fixed head 7, removable head 8, guides 11, core 12, spindle 14, engaging said core and heads, standards 16 supporting said spindle, and base 23 connecting said standards, all combined and arranged substantially as and for the purposes set forth.

9. As an article of manufacture, a roll paper container and cutter, comprising a metallic cylindrical case adapted to receive and contain a roll of paper and provided with a longitudinal slot through which said paper may be dispensed, as desired and having a finger-opening through which initial movement may be given to the paper, and a thumb-notch through which the paper may be grasped, a spindle adapted to support said case, and standards adapted to support said spindle in any position desired, substantially as set forth.

STANLEY M. RAMSEY.

Witnesses:
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