C. R. HOTCHKISS.

PAPER ROLL CARRIER, GUIDE, AND CUTTER.

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**909,599.** Patented Jan. 12, 1909.

Fig. 1.

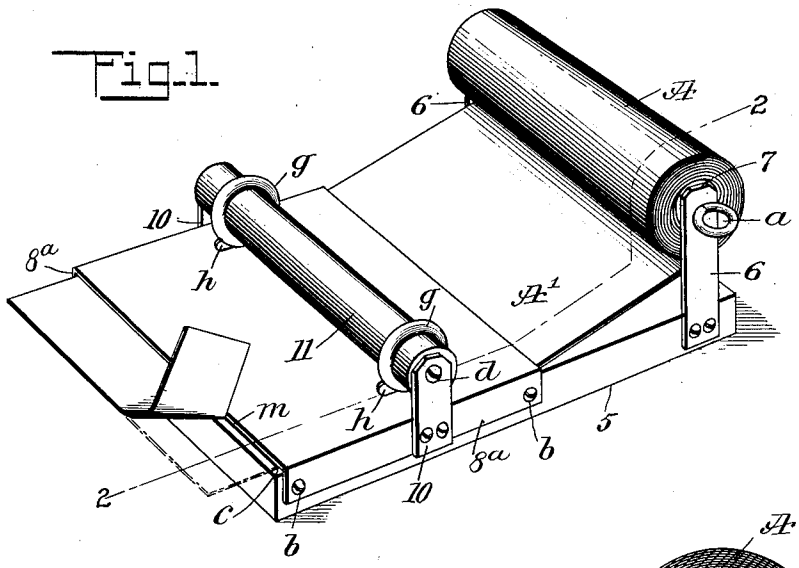



Fig. 2.

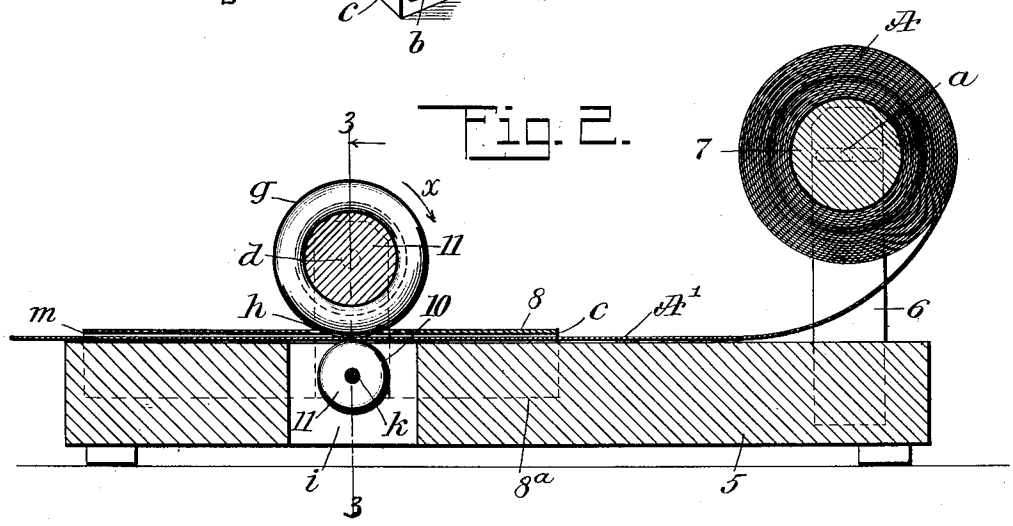
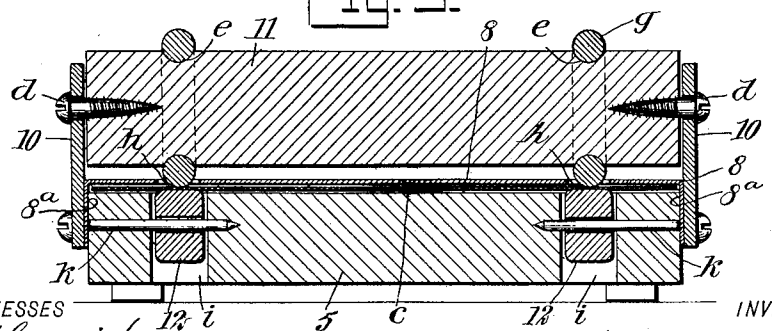



Fig. 3.




WITNESSES

L. Almquist

W. L. Patton

INVENTOR

Charles R. Hotchkiss

BY Munn & Co.

ATTORNEYS

# UNITED STATES PATENT OFFICE.

CHARLES RICHARD HOTCHKISS, OF WATER VALLEY, MISSISSIPPI.

## PAPER-ROLL CARRIER, GUIDE, AND CUTTER.

No. 909,599. Specification of Letters Patent. Patented Jan. 12, 1909.

Application filed September 19, 1908. Serial No. 453,849.

*To all whom it may concern:*

Be it known that I, CHARLES RICHARD HOTCHKISS, a citizen of the United States, and a resident of Water Valley, in the county of Yalobusha and State of Mississippi, have invented a new and Improved Paper-Roll Carrier, Guide, and Cutter, of which the following is a full, clear, and exact description.

This invention relates to means for supporting a roll of wrapping paper in such a manner that any desired portion of the paper may be unrolled therefrom and severed; and has for its object to provide novel details of construction for a device of the character indicated, which afford a convenient support for a paper roll, permit a detachment thereof from said support, provide a guide for the free end of the paper, means for moving said end portion beneath the guide, and means for cutting the portion of paper that is projected at the end of the guide from the portion that is held beneath said guide.

The invention consists in the novel construction and combination of parts, as is hereinafter described and defined in the appended claims.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a perspective view of the improvement arranged for service; Fig. 2 is an enlarged longitudinal sectional view, substantially on the line 2—2 in Fig. 1, and Fig. 3 is a transverse sectional view, substantially on the line 3—3 in Fig. 2.

In the drawings, 5 indicates a flat base-piece for the device, which may be formed of hard wood or any other available material. The base-piece 5 is of any preferred dimensions and is marginally rectangular, having greater length than width.

At one end of the base-piece 5 two posts 6—6 are oppositely erected, having an equal height, and at opposite points near their upper ends a perforation is formed in each post, for the reception of screws *a* that pass loosely through the perforated posts and are screwed into the ends of a carrier-rod 7, provided for the support of a paper-roll A. The rod 7 is cylindrical, and centrally in each end one of the pair of pintle-screws *a* is screwed, thus providing journaled connections for the roller with the posts 6, 6. It is not necessary, however, that the rod 7 turn on the posts 6.

Upon the base-piece 5, extending from the opposite or front end thereof, a paper guide is mounted and secured, said guide 8 consisting of a plate of sheet metal or other suitable material, that is mainly flat and rectangular in shape, having two similar flanges 8ª formed thereon oppositely and projected downward at right angles to the flat body of the guide plate. The flanges 8ª are spaced apart a distance equal with the width of the base-piece, and are mounted thereon, embracing opposite side edges thereof. The flanges 8ª are secured on the base-piece 5 by screws *b* in such a manner that a suitable space will intervene between the guide-plate 8 and the upper surface of the base-piece, said space *c* being designed for the free passage of a sheet of wrapping paper through it.

Upon the side edges of the base-piece 5, and at a suitable distance from the front end of the guide-plate 8, two flat posts 10 are secured, which are disposed oppositely and are each singly perforated near their upper ends.

A roller 11, having a preferably cylindrical body, is journaled at its ends on the posts 10 by means of screws *d*, that are inserted centrally in said ends after passing through the perforations in the posts mentioned. In the roller body 11, near each end thereof, an annular groove *e* is formed of an equal depth, said grooves each receiving an elastic ring *g*, that, after embedment in a corresponding groove, projects from the surface of the roller. As the bodies of the rings are of an equal diameter and preferably circular in cross section, it will be evident that the peripheral surfaces of said rings will be equally projected beyond the periphery of the roller upon which they are mounted.

Directly below each ring *g* a slot *h* is formed in the guide-plate 8, so that the surfaces of the rings *g* may project slightly through said slots. In the base-piece 5, below the slots *h*, corresponding slots *i* of proper dimensions are formed, and in each of said slots *i* a small roller 12 is rotatably supported on a pintle-rod *k*, that is inserted laterally through a post 10 and into the base-piece 5, crossing a respective slot *i*, as is clearly shown in Fig. 3. The rollers 12 are of such diameter and are so relatively positioned that they will project slightly

above the top surface of the base-piece 5 and contact with the upper rings *g*.

Upon the carrier-rod 7, before it is mounted upon the posts 6, 6, a roll of wrapping paper A is loosely mounted, as hereinbefore mentioned, and at one end is passed forwardly through the crevice *c* and into contact with the rings *g* and rollers 12, producing a paper sheet A'.

It will be seen that upon turning the roller 11 in direction of the curved arrow *x* in Fig 2, the rings *g* and rollers 12 will bite upon the sheet of paper A' presented edgewise thereto, and move said sheet forward through the space between the guide-plate 8 and the base-piece 5. The relative width of the sheet of paper thus drawn from the paper roll is such with relation to the width of the space or crevice *c* that it will freely move therein, and by sliding contact therewith at its side edges be guided straight during the forward movement of the paper.

The front transverse edge *m* of the guide-plate 8 is true and serves effectively as a paper-cutter, so that upon taking hold of a projected end of a paper sheet and drawing upon it, a proper length of paper may be extended forward from the crevice *c* and then, by pulling the removed portion with a shearing action against the edge *m*, the sheet may be neatly severed for use, as may be required.

It will be noted that when paper is to be removed from the roll a slight rotatable movement of the roller 11 in direction of the curved arrow *x* will project the free end of the paper from the front end of the guide-plate, so that it may be taken hold of and pulled for removal of a desired length of the paper, and then severed, as before explained.

The device is neat in appearance, may be constructed in sizes to support and deliver any width of wrapping paper, is light, portable, durable and inexpensive, and will operate perfectly on any grade of wrapping paper that is in a roll.

Having thus described my invention, I claim as new and desire to secure by Letters Patent:

1. The combination with a base piece provided with spaced slots, a carrier rod supported transversely above one end of said base piece, a guide plate mounted upon and spaced from the base piece and provided with slots registering with the slots in the base piece, posts secured to the sides of the base piece opposite the said slots, a roller mounted to turn on the upper ends of said posts above the guide plate and having projecting rings thereon that work in the said slots in the guide plate, pintle rods inserted through the lower part of said posts and into the base piece, the said rods crossing the slots in the base piece, and rollers mounted on the said pintle rods in said slots, and coacting with the said projecting rings on said roller.

2. The combination with a flat base piece having spaced parallel slots therein near opposite sides, posts on the sides of said base piece near one end thereof, and a carrier rod supported by the posts, of a flat guide plate having side flanges secured on the base piece and slightly spacing the plate therefrom, said guide plate having spaced slots therein near each side and registering with the slots in the base piece, flat posts secured to the sides of the base piece opposite said slots, a roller supported on said posts and extending transversely above the guide plate and having annular projections near each end that work in the said slots, pintle rods extending through the lower part of the said posts and the said flanges of the guide plate and into the base piece, the said rods crossing the slots in the base piece, and rollers in said slots mounted to turn on the pintle rods and adapted to co-act with the annular projections of said roller.

3. The combination with a flat elongated base-piece having parallel side edges and spaced slots therein, posts at one end of the base-piece, and a carrier rod supported on the posts transversely above and parallel with the base-piece, of a guide-plate having depending flanges secured on the side edges of the base-piece, said plate being spaced from the base-piece, posts on the side edges of the base-piece, a roller rotatably supported on the posts across the guide-plate, said guide-plate having slots above those in the base-piece, elastic rings or bands mounted on the roller and working through the slots in the guide-plate, and rollers pivoted in the slots in the base-piece and adapted for slight contact with the elastic bands.

4. The combination with a flat rectangular base-piece, posts on the sides of the base piece near the rear end thereof, and a carrier for a paper roll supported on said posts and arranged transversely above the rear end of said base piece, of a flat guide-plate mounted upon the base piece and spaced from the upper surface thereof, the said guide plate being provided with slots and the front edge of said guide plate forming a paper cutter, posts on the side edges of the base piece opposite the slots in the guide plate, a roller mounted to turn on said posts above the guide plate and provided near each end with an elastic ring, the peripheral surfaces of said rings projecting beyond the peripheral surface of the roller and extending through said slots in the guide-plate, and rotatable devices mounted in the base piece and adapted to co-act with the said elastic rings.

5. In combination, a flat base piece hav-

ing parallel side edges and spaced slots therein adjacent to the side edges, a carrier rod supported above one end of the base piece, a flat guide plate carried by the base piece and slightly spaced from the upper surface thereof, the front edge of said guide plate forming a paper cutter, the guide plate being provided with slots registering with the slots in the base piece, a roller mounted to turn above the guide plate and provided with projecting rings adapted to work in the slots in the guide plate, pintle rods inserted in the sides of the base piece and crossing the said slots in said base piece, and rollers rotatably supported in said slots or said pintle rods and adapted to contact with the rings of said roller.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

CHAS. RICHARD HOTCHKISS.

Witnesses:
H. C. PARSONS,
JOHN W. HAGAMAN.