(No Model.)

C. H. HAPGOOD.

ROLL PAPER HOLDER AND CUTTER.

No. 524,320. Patented Aug. 14, 1894.

Fig 1.

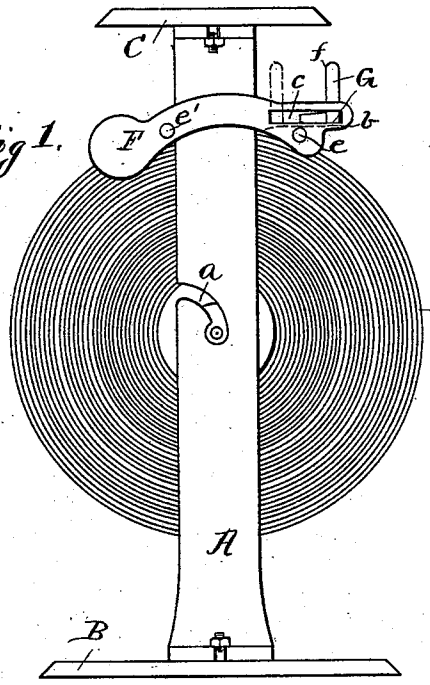


Fig 2.

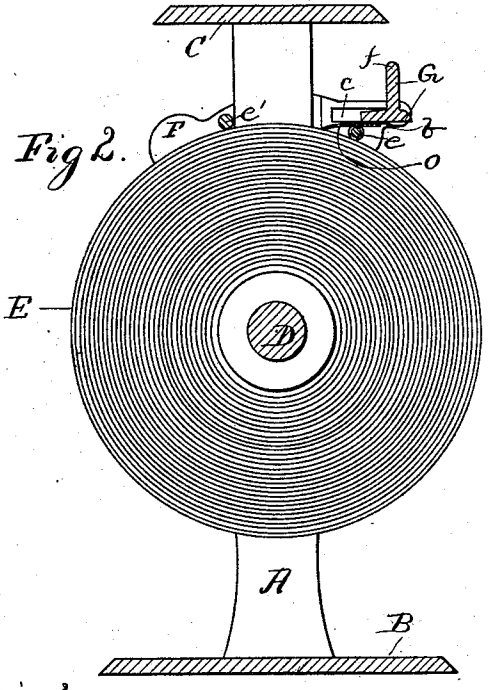


Fig 3.

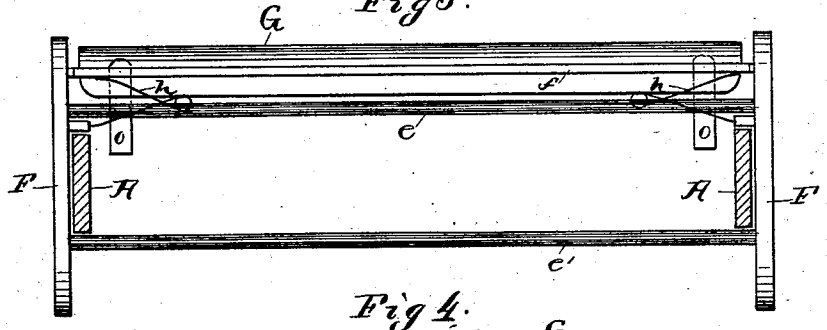
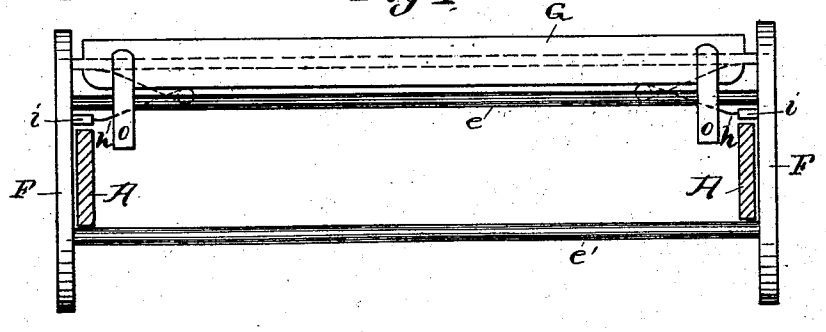


Fig 4.



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CLARENCE H. HAPGOOD, OF DAYTON, OHIO.

ROLL-PAPER HOLDER AND CUTTER.

SPECIFICATION forming part of Letters Patent No. 524,320, dated August 14, 1894.

Application filed March 26, 1894. Serial No. 505,074. (No model.)

To all whom it may concern:

Be it known that I, CLARENCE H. HAPGOOD, of Dayton, county of Montgomery, State of Ohio, have invented a new and useful Improvement in Roll-Paper Holders and Cutters; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to roll-paper holders, and is embodied in certain new and useful improvements that will be detailed in the specification, and specifically pointed out in the claims.

The object of the invention is to provide new and novel means for keeping the free end of the paper away from the roll, in order that it may readily be taken hold of, and also to provide a cutting blade that may be moved inwardly at either end, or entirely, to enable the fingers to catch hold of the free end of the paper; and further, to provide means for feeding the free end of the paper to the cutting blade in case the roll is accidentally turned backward, and said free end thereby becomes withdrawn from the carriage.

To these ends, my improvement has specific reference to the construction and arrangement of the follower or carriage.

Referring to the annexed drawings, forming a supplement to the specification, Figure 1, is a side elevation of my roll-paper holder and cutter. Fig. 2, is a vertical section through the center. Fig. 3, is an enlarged plan view of the carriage, with the standards shown in section; Fig. 4, a similar view of the under side of the carriage, the vertical standards shown in section.

Referring to the specific parts of the drawings, A represents standards, having flanges at both ends with holes for bolts, by which said standards are fixed to a transverse baseboard B, and an upper cross-piece C. (*a*) designates slots in the middle portions of said standards, which afford bearings for the journals or lugs projecting from the central core D, of the roll E; all of the foregoing features being common in the art.

With specific reference to the follower or carriage, upon which the cutting mechanism is borne, F—F indicate end brackets, of curvilinear form in side elevation, with oblong-rectangular slots (*c*) in the front ends thereof and lugs (*i*)—(*i*) projecting from the inner side.

(*e*)—(*e'*) designate parallel rods, the ends of which are journaled in the front and rear ends of said brackets; these parts inclose the standards A, and form a follower or carriage that rests upon the roll E; and which is guided or maintained in position on said roll, by lugs (*i*)—(*i*) on the brackets, being on one side of the standards, and the rod (*e'*) on the other side; the rods (*e*) and (*e'*) are at all times, longitudinally in contact with the roll, and the end (*b*) of said roll rests upon the rod (*e*) and plates (*o*)—(*o*).

G denotes a transverse cutting blade having square ends, which are loosely mounted in the slots (*c*) in the brackets; this plate is angular in cross-section, to afford a vertical longitudinal portion (*f*) for the hand to press in moving said blade rearward, which movement may be to extent of said slots.

(*h*) designates springs with one end secured in the lugs (*i*)—(*i*) projecting from the brackets, and the other end bearing against the inner surface of the part (*f*) of the cutting blade; the function of these springs, is to maintain the blade normally in an outward position as is shown in Figs. 1 and 2; in the latter figure the blade is shown in dotted lines, moved inward, the free end of the paper is also shown in dotted lines, resting on the rod (*e*) between the blade and said rod.

The curved metallic plates (*o*)—(*o*) are rigidly attached at their center, to rod (*e*) near the ends of said rod; the rear ends of these plates normally rest upon the roll of paper in the rear of the rod (*e*), while the front ends of said plates occupy a more elevated horizontal position; the free end of the paper (*b*) necessarily lies upon these plates, the function of which is to present said end to the fingers in a horizontal position away from the roll, and to bind said end sufficiently to prevent the backward winding of the roll; should sufficient force, however, be accidentally applied to said roll, to turn it backward and thereby remove the free end from the sup-

porting plates (*o*)—(*o*), and rod (*e*) a forward turn by the hand will feed said free end back to its proper place without requiring a catching hold of said end. In constructing holders for large rolls, it is necessary to employ additional plates (*o*), in the middle portion of the rod (*e*), therefore any desirable number of said plates may be used.

Briefly describing the operation,—the free end of the paper normally lies as is shown in Fig. 2, elevated from the roll, between the cutting blade and the plates *o;* when a piece of paper is required, it is only necessary to apply slight pressure to the blade in the middle, or at either end to move the same backward to expose the end of the paper which is caught hold of, sufficiently unwound, brought upwardly against the outer edge of the blade and severed, in a manner readily understood.

Having described my invention, I claim—

1. In a roll-paper holder, the combination with the standards on which the roll is mounted; of the end brackets provided with slots and lugs, parallel rods mounted in said brackets, guide and supporting plates for the free end of the paper, secured to one of said rods, a cutting blade, angular in cross section, mounted in the slots in said brackets and adapted to slide horizontally, and means for maintaining said blade in a normal outward position, as herein described.

2. In a roll-paper holder and cutter, the combination with the supporting standards for the roll of paper, of a carriage consisting of end plates or brackets provided with slots in their front ends, a transverse cutting blade slidingly maintained in said slots, parallel rods (*e*) and (*e'*) mounted in said brackets, the former rod occupying a position in the rear of the cutting blade and forming a fixed support, as to horizontal movement, for the free end of the paper, as herein described.

In testimony whereof I have hereunto set my hand this 19th day of March, 1894.

CLARENCE H. HAPGOOD.

Witnesses:

R. J. McCARTY,

FRANK. H. FENNER.