

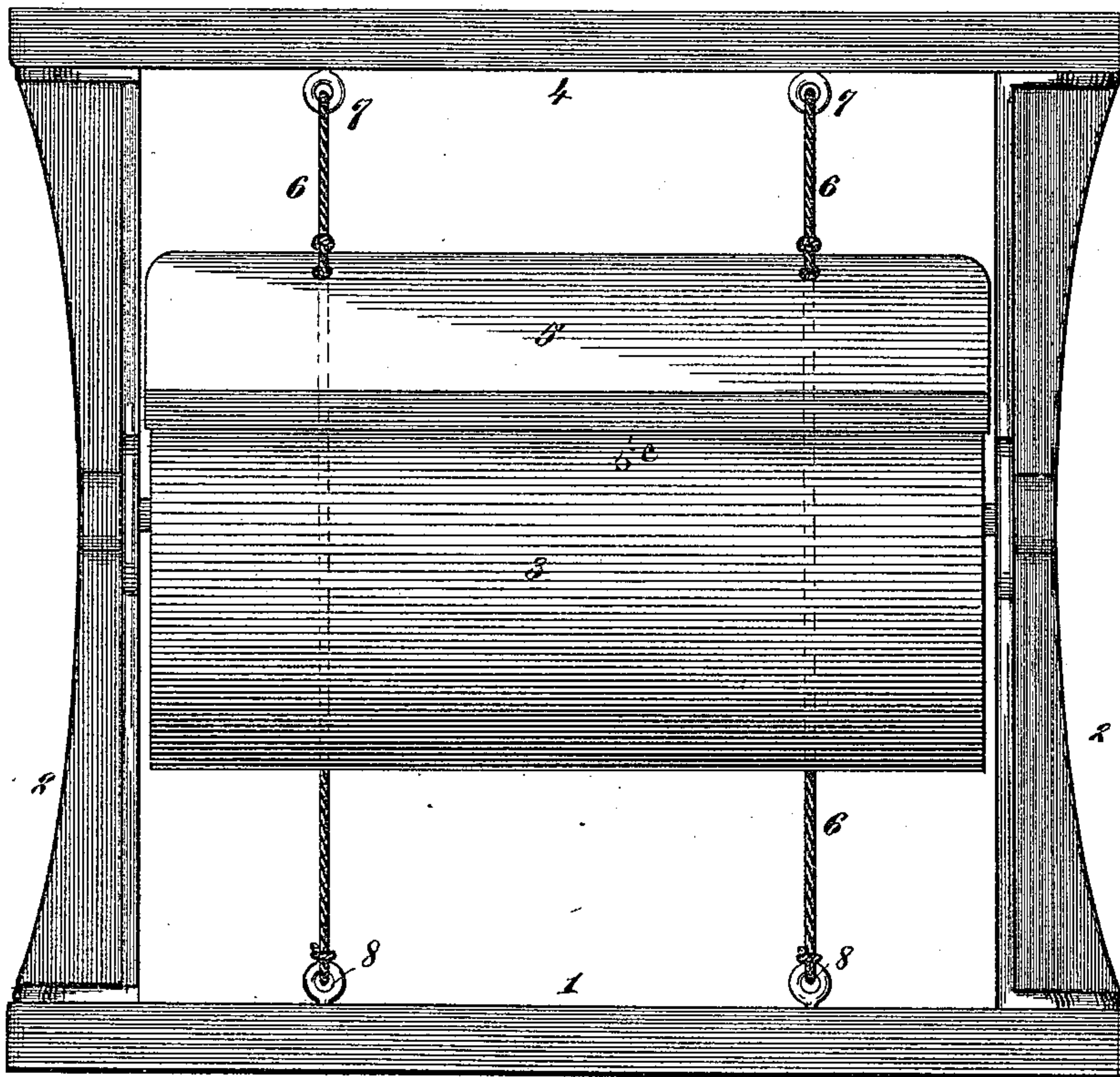
(No Model.)

L. EHRLICH.  
ROLL PAPER HOLDER AND CUTTER.

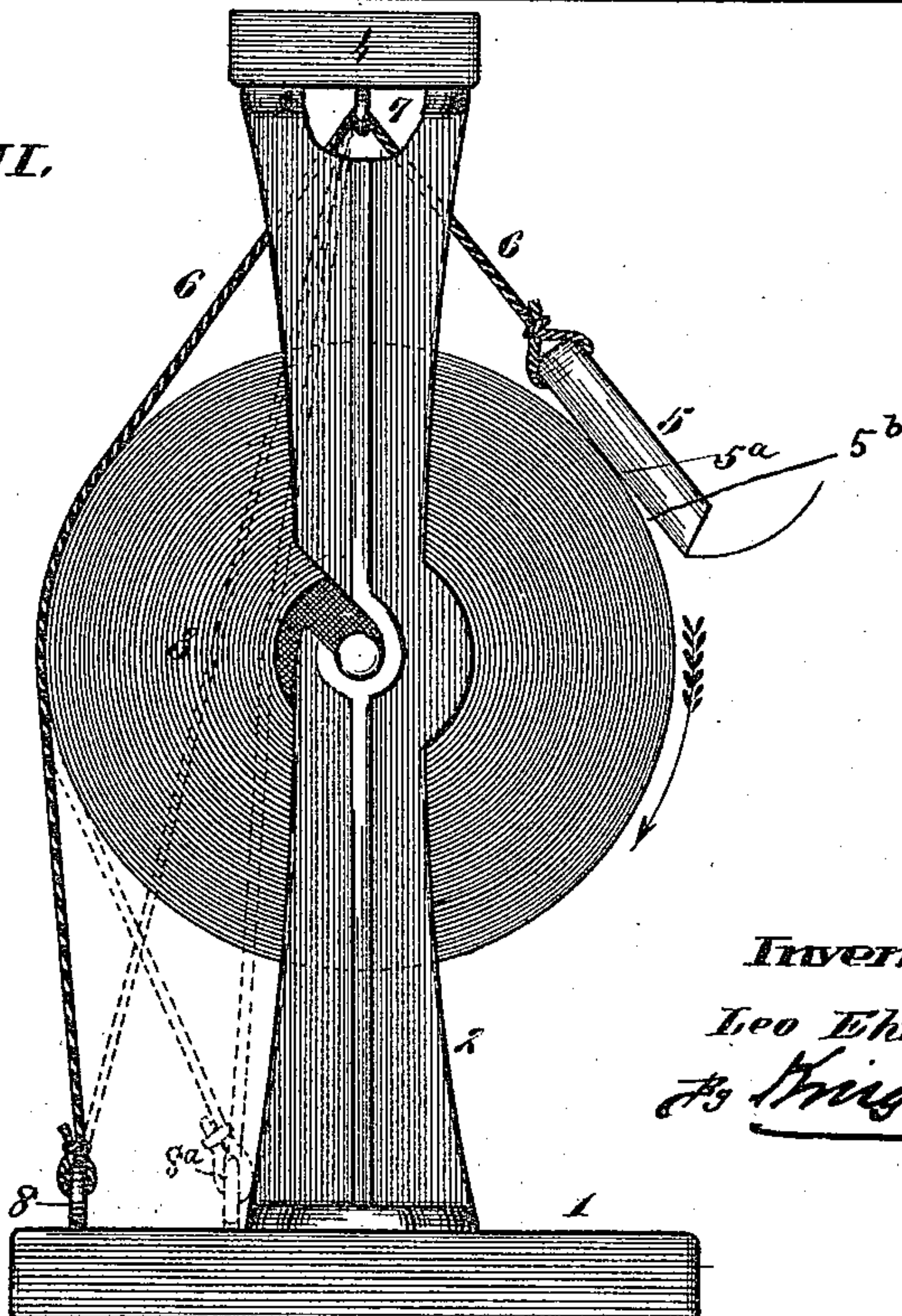
No. 428,474.

Patented May 20, 1890.

*Fig. I.*



*Fig. II.*



Attest:  
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*attys*



# UNITED STATES PATENT OFFICE.

LEO EHRLICH, OF ST. LOUIS, MISSOURI, ASSIGNOR TO THE AMERICAN ROLL PAPER COMPANY, OF SAME PLACE.

## ROLL-PAPER HOLDER AND CUTTER.

SPECIFICATION forming part of Letters Patent No. 428,474, dated May 20, 1890.

Application filed October 6, 1888. Serial No. 287,436. (No model.)

*To all whom it may concern:*

Be it known that I, LEO EHRLICH, of the city of St. Louis, in the State of Missouri, have invented a certain new and useful Improvement in Roll-Paper Holders and Cutters, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification, and in which—

Figure I is a side elevation of my improved machine. Fig. II is an end view.

My invention relates to an improvement in devices for holding and cutting wrapping-paper and the like; and my invention consists in features of novelty hereinafter fully described, and pointed out in the claims.

Referring to the drawings, 1 represents a suitable base; 2, end pieces or standards; 3, the paper roll supported by the standards, as usual, and 4 a cross-piece secured to the upper ends of the standards.

5 represents the inverted knife, consisting of a block falling by gravity having a broad face 5<sup>a</sup>, which rests against the roll of paper, and a sharp lower corner 5<sup>c</sup> forming a cutter, as shown in Fig. II, and which is supported by cords 6, secured preferably to the base, as shown, and extending upwardly through eyes 7, secured to the cross-piece 4, and downwardly to the knife, to which they are made fast. The face 5<sup>a</sup> of the block resting against the roll produces a tension on the paper, and the position the block occupies provides a pocket 5<sup>b</sup> between its lower side and the roll for the free end of the paper, and for the insertion of the fingers of the operator.

It will be seen that as the size of the roll decreases the knife will automatically move by gravity inward toward the center of the roll, and thus always remain against the roll. It will be further noticed that the cord and knife (the latter, if preferred, being of considerable weight) act as effective brakes to prevent the turning of the roll while the paper is being torn, or at any other undesirable time. Especially is this the case with the cord at the rear of the machine, which has its securing-points 7 and 8 so located that the cord when drawn tight will be bent around the surface to a certain extent, so as to contact with a greater portion of the periphery and produce a greater amount of friction for the purpose designated. To accomplish this result, it may be desirable to secure the end

of the rope, as at 8<sup>a</sup>, when it will be seen that the securing-points will, no matter how little paper remains on the roll, always be considerably within a tangent to the roll drawn parallel to the straight line between the two points 7 and 8<sup>a</sup>, which the cord tends to assume, and therefore the cord touches at a greater number of points. The knife is kept by gravity continually in contact with the roll.

I claim as new and of my invention—

1. In a roll-paper holder and cutter, the combination, with a roll of paper, of a knife resting on the roll at one side and against which the paper is cut, and support or supports for said knife contacting with the roll at the other side to act as a brake, in the manner explained.

2. In a roll-paper holder and cutter, the combination of the paper roll, support for the roll, a knife resting by its own weight against the roll, and cords supporting the knife, substantially as set forth.

3. In a roll-paper holder and cutter, the combination of the paper roll, support for the roll, a knife resting against the roll, and cords extending from the base or support upwardly through eyes secured to a cross-piece and downwardly to the knife, to which they are secured, substantially as set forth.

4. In a roll-paper holder and cutter, the combination, with a frame and a roll mounted on the frame, of a knife, a cord or cords for supporting the knife, and eyes 7 8 for securing the cord, said knife being held by gravity to the roll, and said cord or cords contacting with the roll to brake the rotation, as explained.

5. In a roll-paper holder and cutter, the combination, with the support and roll carried thereby, of a brake for the roll, consisting of ropes 6, secured at bottom, working in supports at top, and having a weight 5 or other tension device on the opposite side of the roll, the securing-points and supports being located within a tangent to the roll parallel to a straight line joining them, whereby the cord will always contact with and act as a brake upon the roll, as explained.

LEO EHRLICH.

Witnesses:

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