

(No Model.)

L. EHRLICH.
ROLL PAPER HOLDER AND CUTTER.

No. 450,061.

Patented Apr. 7, 1891.

Fig. I.

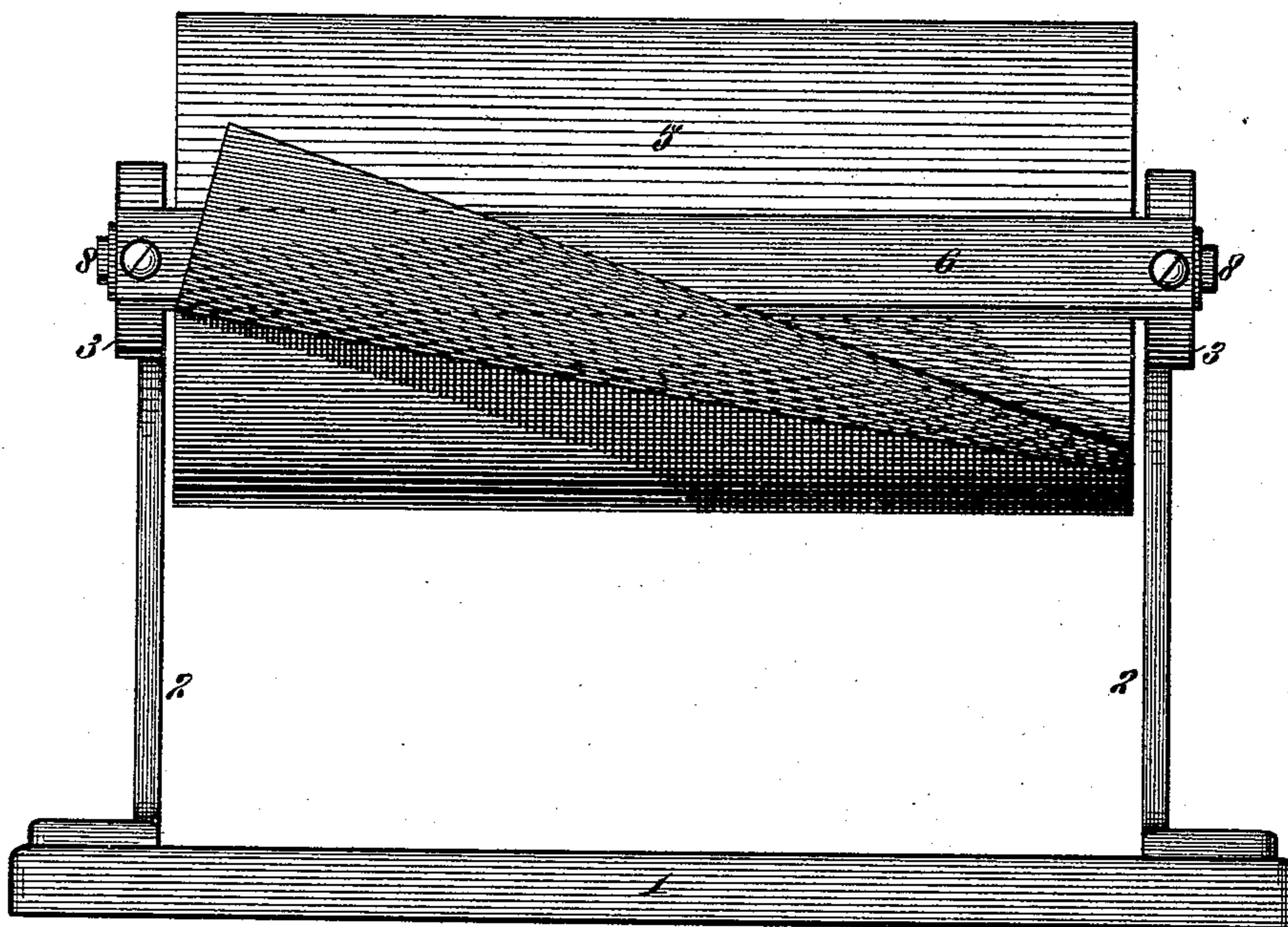
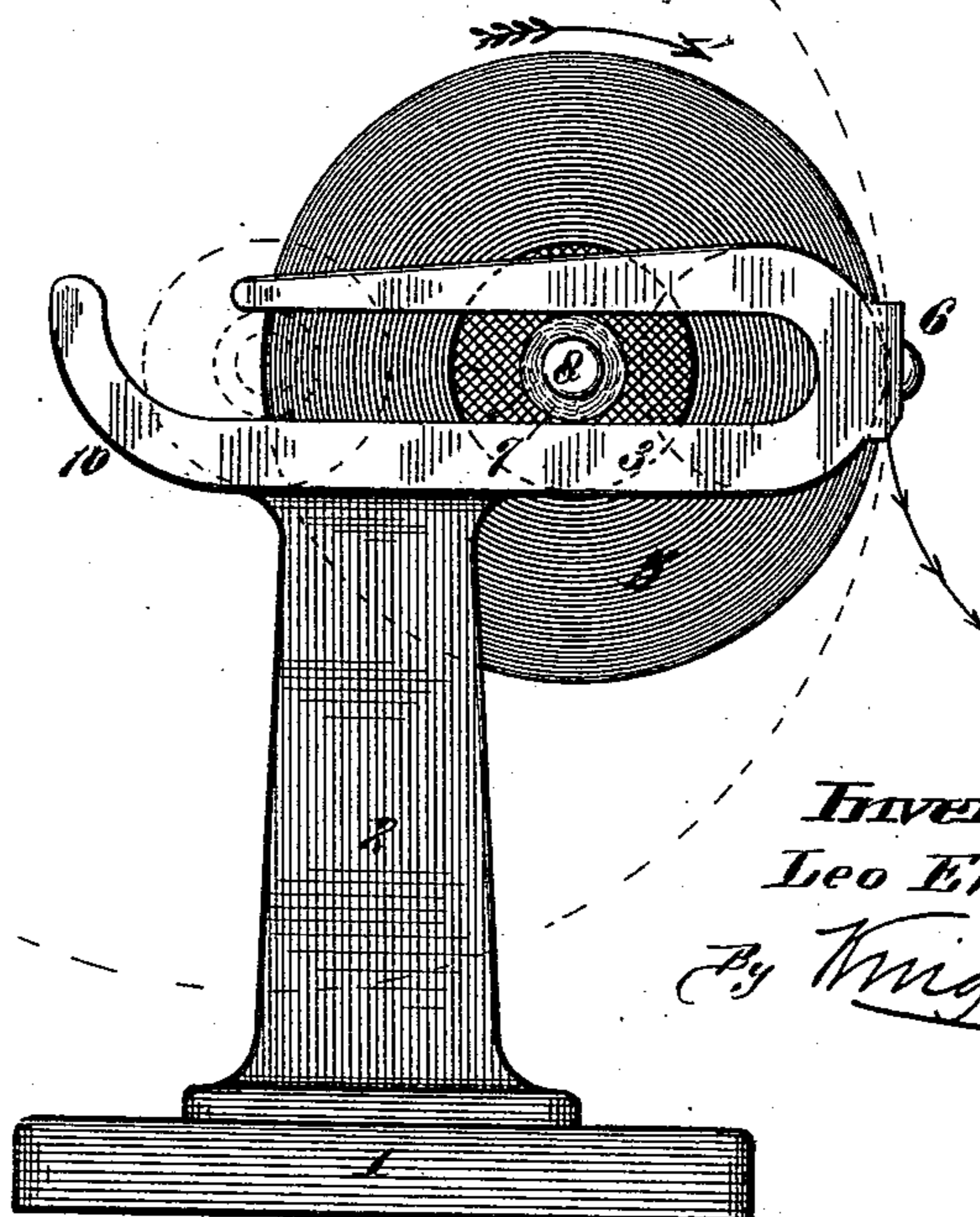


Fig. II.



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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. 450,061, dated April 7, 1891.

Application filed May 16, 1890. Serial No. 352,055. (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.

My invention relates to a device for holding roll wrapping-paper and cutting it off for use as desired; and my invention consists in features of novelty; hereinafter fully described, and pointed out in the claims.

Figure I represents a front elevation, and Fig. II represents an end view.

In the drawings, 1 represents a base, and 2 the standards mounted thereon.

3 are slotted extensions on the standards. These extensions support the roll of paper 5, which moves in a horizontal plane toward a knife 6, secured on the end of the extension.

7 are rings of some elastic material (preferably rubber) on the gudgeons 8 of the roll of paper, the slots in the extensions being large enough to receive the gudgeons 8 with the rings 7 thereon. The rings preferably fit snugly in the slots and bear against both the upper and lower walls of the slots, as shown in Fig. II.

10 represents curved projections on the extensions 3, that prevent the roll of paper from displacement from the extensions.

The operation of my device is as follows:

The roll of paper is placed between the extensions 3, with the gudgeons and the rings 7 upon them fitting in the slots or ways of the extensions, and as the roll of paper is turned in a forward direction the elasticity of the rings will cause the rings to bind between the walls of the slots, and through the said binding as the roll is revolved in the act

of removing a piece of the web of paper it will move toward the knife until it comes in contact therewith, when it will retain that position, and as the paper is removed from the roll and the latter decreased in size the roll will advance toward the knife and be held against it with sufficient pressure to cause the necessary tension on the roll to prevent it from turning too freely as a portion of the web is pulled out and torn off.

I have shown the elastic material as applied only to the gudgeons; but it is obvious that the same effect would be attained if it were upon one or both of the inner faces of the slots or ways or upon all of these parts.

I claim as my invention—

1. In a roll-paper holder and cutter, the combination of a roll of paper having gudgeons, elastic rings on said gudgeons, and ways in which said gudgeons and rings fit, substantially as and for the purpose set forth.

2. In a roll-paper holder and cutter, the combination of the base, standards secured to the base, slotted extensions on the standards, a roll of paper having gudgeons, elastic rings on the gudgeons, and a knife secured to the extensions, substantially as and for the purpose set forth.

3. In a roll-paper holder and cutter, the combination of the frame provided with slotted extensions, a fixed knife and a roll of paper supported in said slotted extensions upon suitable gudgeons, and an elastic material between the gudgeons and slots of the extension, whereby the roll of paper is held constantly in contact with the knife, substantially as herein set forth.

LEO EHRLICH.

In presence of—

E. S. KNIGHT,
THOS. KNIGHT.