

(No Model.)

L. EHRLICH.
ROLL PAPER HOLDER AND CUTTER.

No. 446,332.

Patented Feb. 10, 1891.

Fig. I.

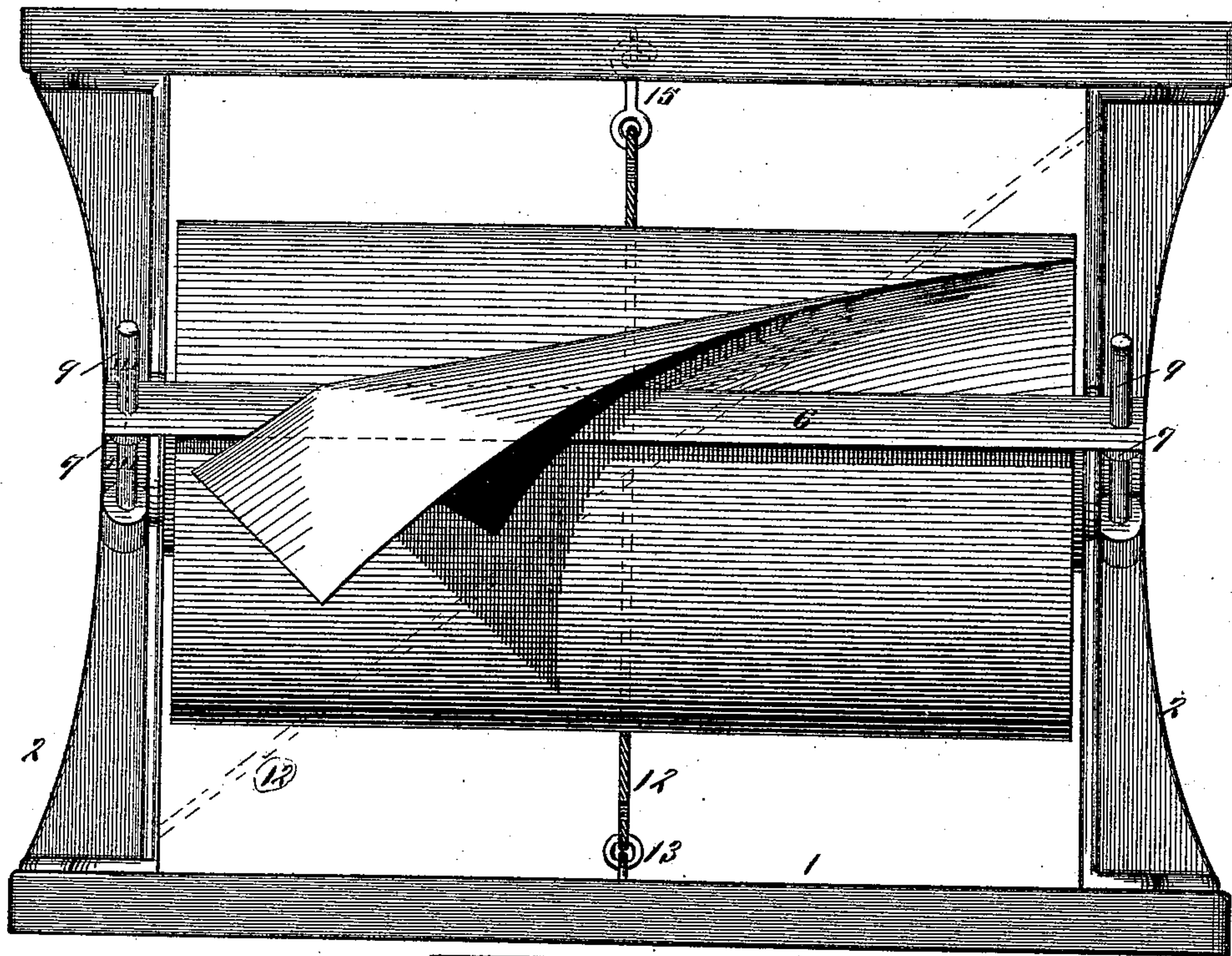


Fig. II.

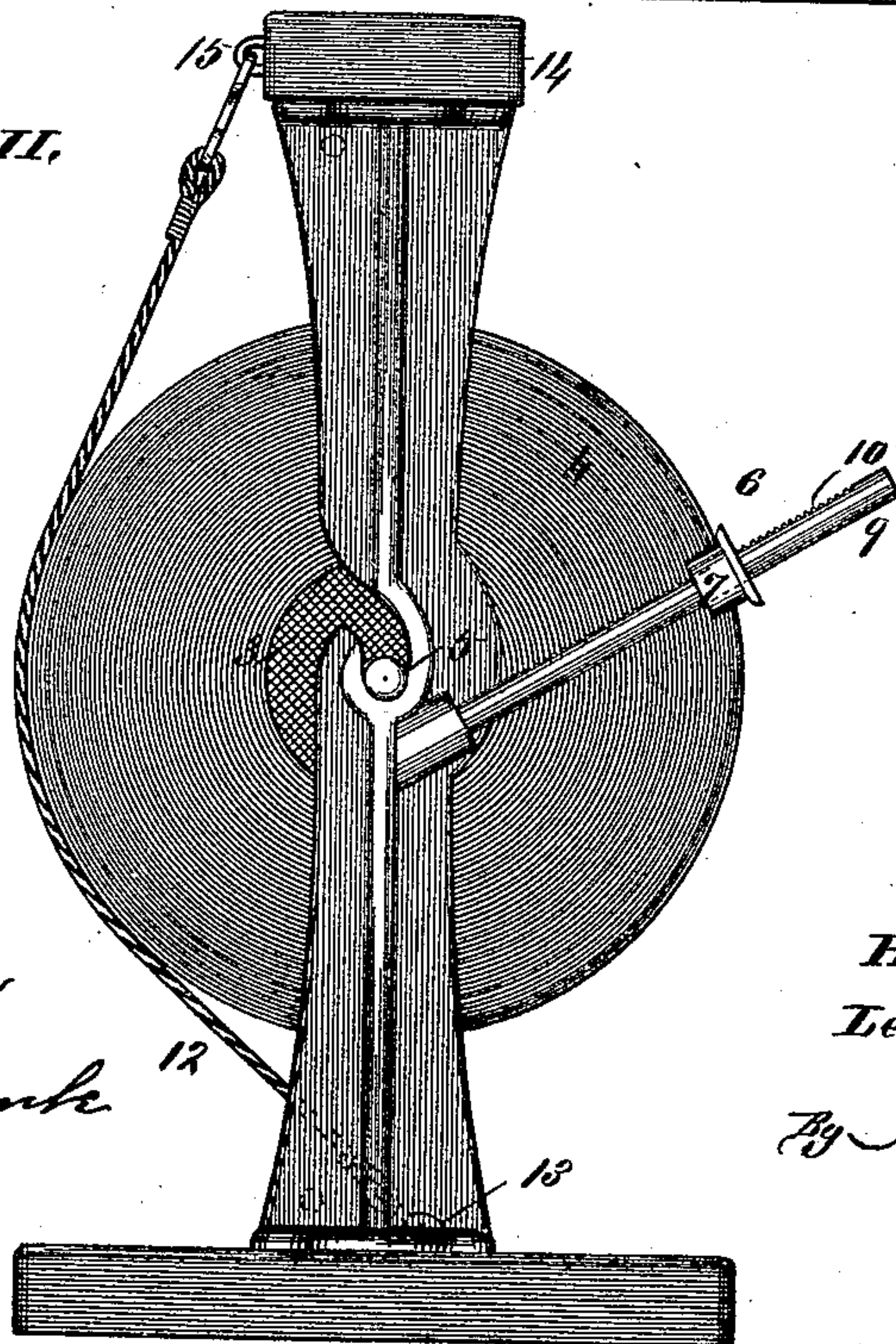
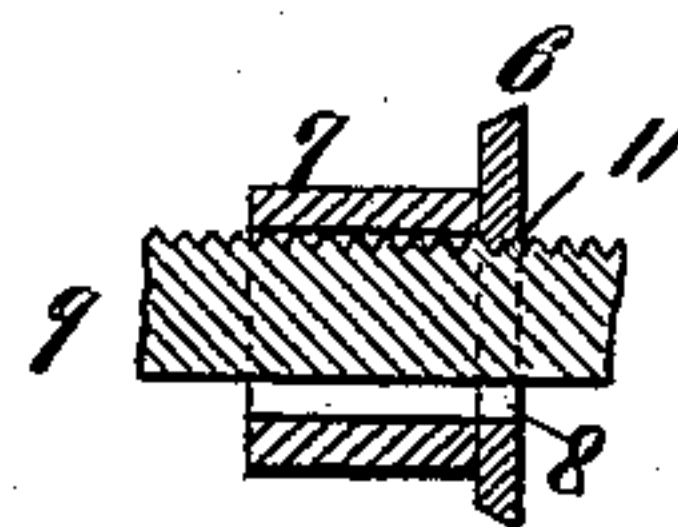


Fig. III.



Attest:
E. Arthur.
W. J. Loomis

Inventor,
Leo Ehrlich,
By *Knights Bros*
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. 446,332, dated February 10, 1891.

Application filed June 30, 1888. Serial No. 278,609. (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—

10 Figure I is a front elevation of my improved roll-paper holder and cutter. Fig. II is a side view. Fig. III is an enlarged detail section taken on line III III, Fig. I.

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

20 Referring to the drawings, 1 represents a suitable base, to which are secured end pieces or standards 2, forming a support for a roller 3, upon which the paper 4 is wound, the standards having notches receiving the gudgeons or journals 5 of the roller 3, as shown in Fig. II.

25 6 represents the knife. It has preferably at each end a hollow hub or enlargement 7, and it is perforated at these enlargements, as shown at 8 in Fig. III.

30 9 represents arms or rods extending in an upward direction from the standards 2, and which support the knife by fitting in the perforations 8. The upper edges of the arms are preferably serrated or notched, as shown at 10, and when serrated or notched the knife would be provided with teeth or serrations,

as shown at 11, Fig. III, to engage the serrations on the arms.

Now it will be understood that as the paper is removed from the roll the knife will move downwardly on the inclined arms or rods and be constantly in contact with the roll of paper, while the serrations will prevent the backward movement of the knife away from the roll in case the knife should have a disposition to do this. To give the roll of paper the proper tension and prevent its too free rotation, I use a friction-brake consisting of an elastic cord 12, connected to the base 1 at 13 and to a top piece 14 on the standards 2, as shown at 15. It will be understood that as the paper is removed this elastic string will bear constantly upon the paper, giving the roll the proper tension. Instead of having the cord extend in a vertical direction, as shown in full lines in Figs. I and II, it may extend diagonally from the top of one of the standards to the bottom of the other, as shown by dotted lines in Fig. I.

By forming the hub 7 on the end of the knife an elongated bearing is given, which will prevent a tendency of the knife to tilt on the arms 9 as the paper is being cut.

I claim as my invention—

The combination of a suitable support, a roll of paper, inclined arms, and a sliding perforated knife fitting on the arms, substantially as and for the purpose set forth.

LEO EHRLICH.

In presence of—

GEO. H. KNIGHT,
JOS. WAHLE.