

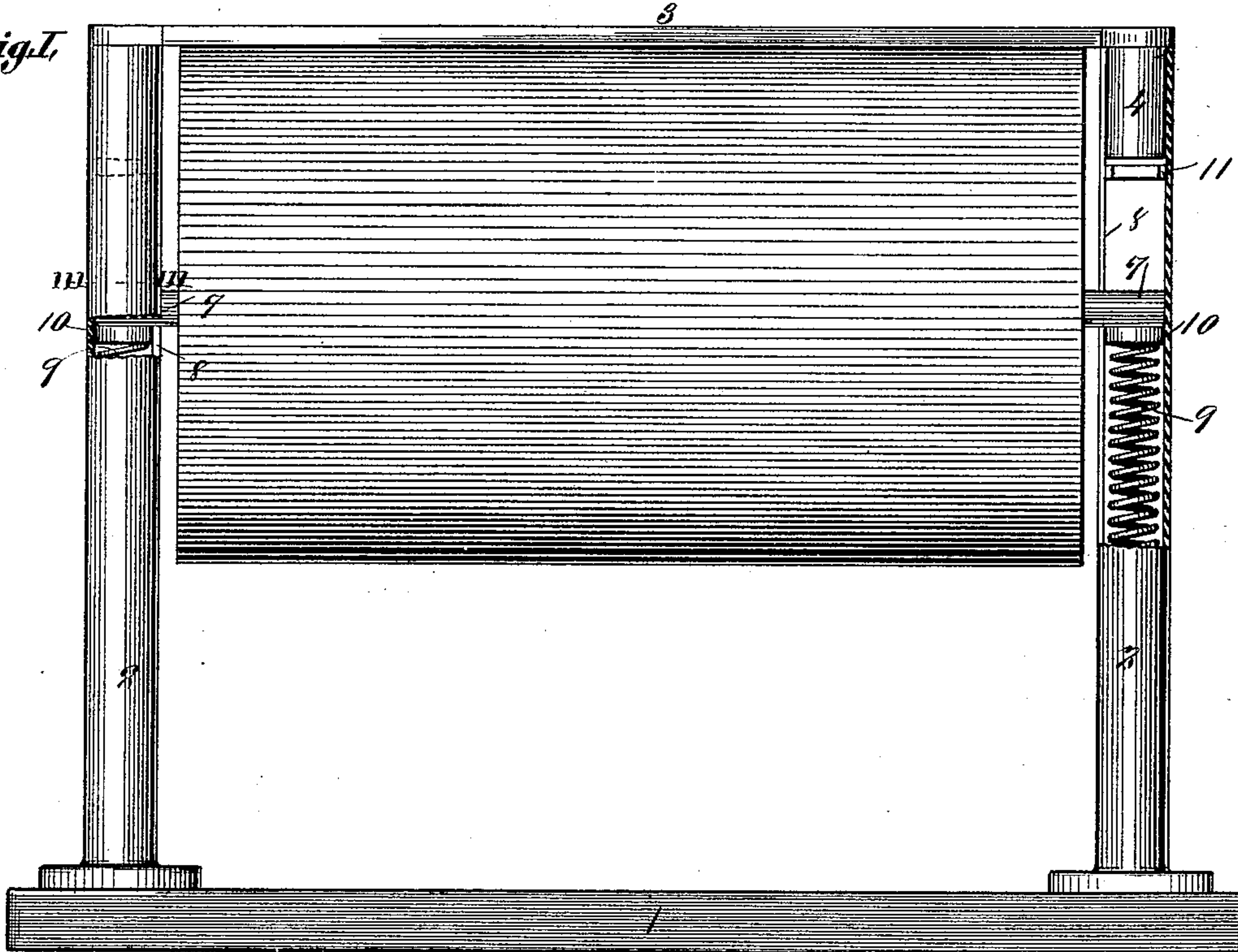
(No Model.)

L. EHRLICH.  
PAPER CUTTER.

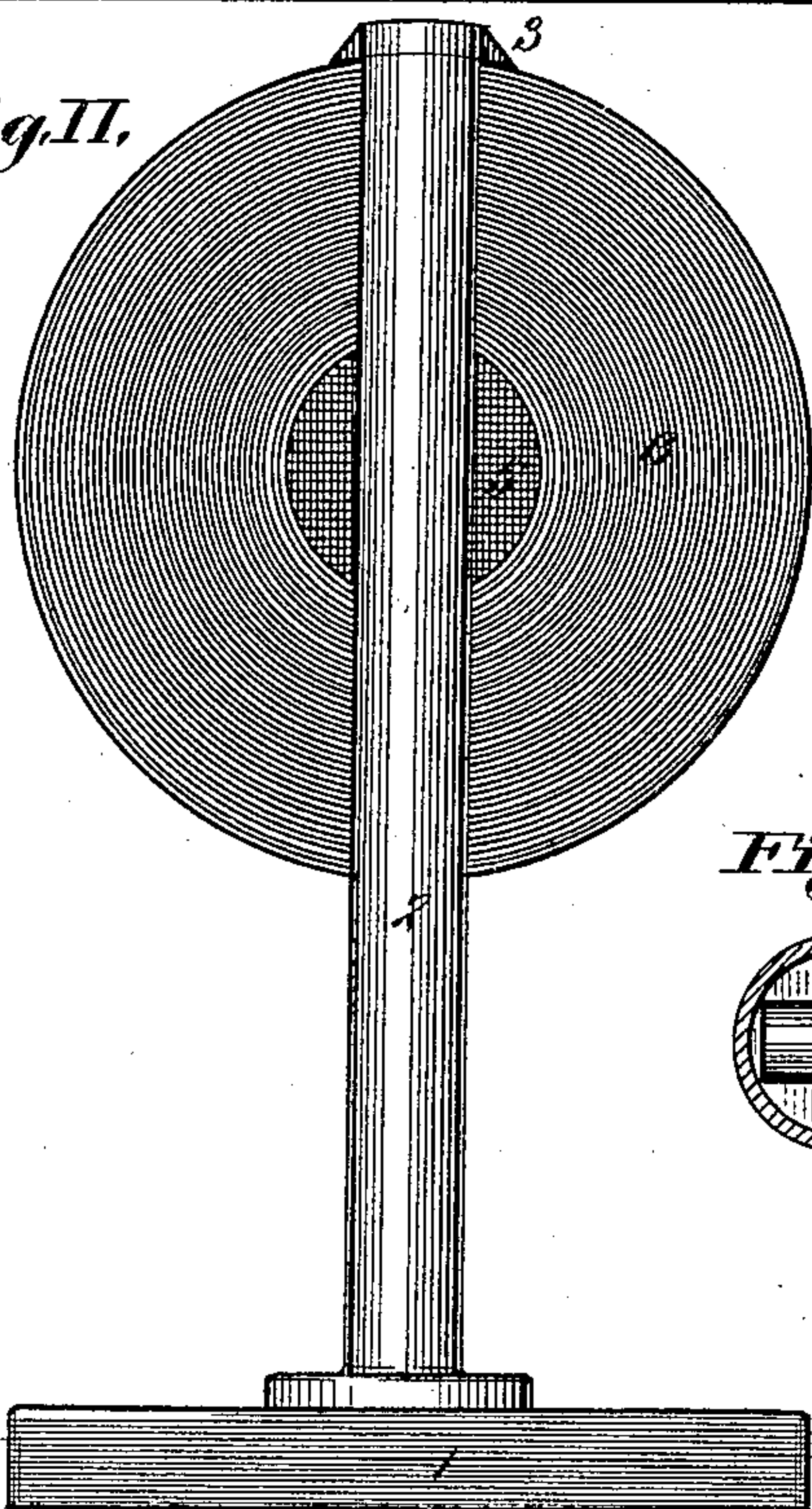
No. 390,954.

Patented Oct. 9, 1888.

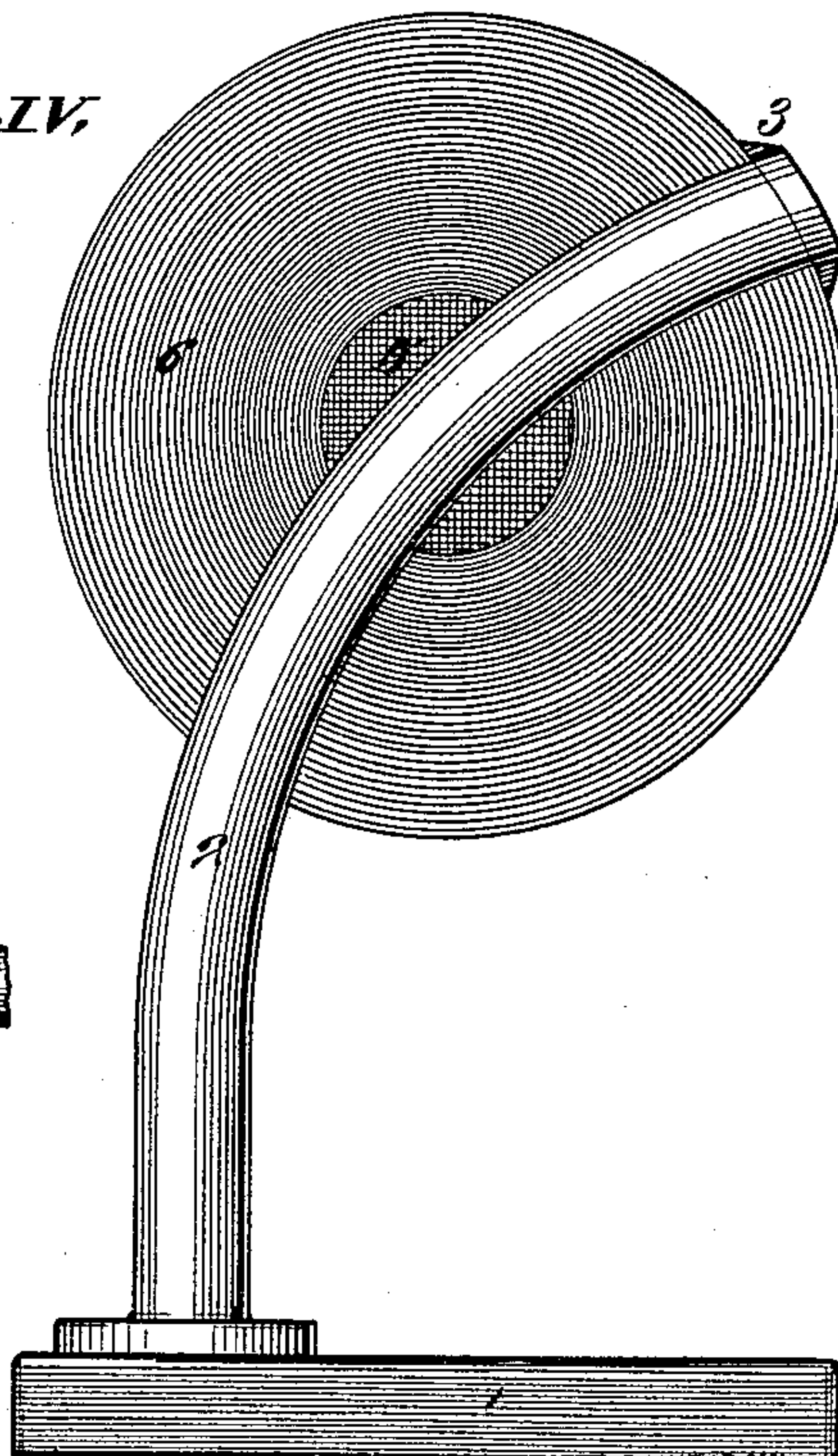
*Fig. I,*



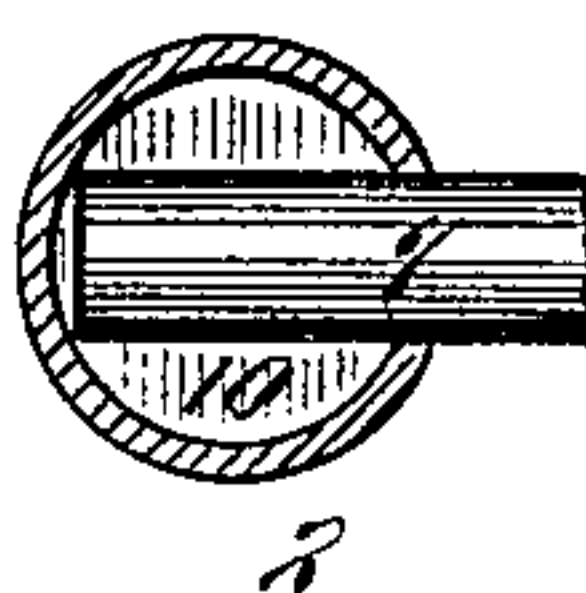
*Fig. II,*



*Fig. IV,*



*Fig. III,*



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# UNITED STATES PATENT OFFICE.

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

## PAPER-CUTTER.

SPECIFICATION forming part of Letters Patent No. 390,954, dated October 9, 1888.

Application filed January 23, 1888. Serial No. 261,662. (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 Paper-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, part in section. Fig. II is an end view. Fig. III is a detail enlarged section taken on line III III, Fig. I. Fig. IV shows a slight modification.

My invention relates to a cutter for wrapping-paper; and my invention consists in features of novelty hereinafter fully described, and pointed out in the claims.

Referring to the drawings, 1 represents a base, upon which are secured vertical sleeves or hollow standards 2, on the upper ends of which is secured a knife, 3. The knife is preferably secured to the sleeves or standards by means of plugs or stems 4 on its respective ends, which fit into the sleeves or hollow standards, as shown on the right-hand side of Fig. I. The knife is thus securely held to the sleeves or standards, while it can be quickly removed, if necessary.

5 represents a roller, upon which the paper 6 is wound. The gudgeons or journals 7 of the roller extend through slots 8 in the inner walls of the sleeves or standards, and located beneath the journals, within the sleeves, are springs 9, which preferably have disks 10 on their upper ends, upon which the journals rest. The tendency of the springs 9 is to force the roller upward, and thus feed it automatically to the knife as the paper is removed.

The roller is put in place by removing the knife from the sleeves, which is done by simply raising upward on it. When the roller is taken out, the springs 9 may be prevented from

protruding from the sleeves or standards by projections 11 in the sleeves, which allow the passage of the journals 7, but will not allow the passage of the disks 10.

In Fig. IV I have shown the sleeves or standards curved at their upper ends, which may be done, if desired, to present the knife on a substantially horizontal plane.

I claim as my invention—

1. In a paper-cutter, the combination of the hollow slotted sleeves or standards, roller having journals extending into the sleeves or standards through the slots, and a knife located at top of the standards, substantially as and for the purpose set forth.

2. In a paper-cutter, the combination of the hollow slotted sleeves or standards, roller having journals extending into the standards, springs located within the standards, and a knife located on top of the standards, substantially as and for the purpose set forth.

3. In a paper-cutter, the combination of the hollow slotted sleeves or standards, roller having journals extending into the standards, springs located within the standards beneath the journals of the roller, knife located on top of the standards, and plugs or stems on the knife fitting in the standards, all substantially as and for the purpose set forth.

4. In a paper-cutter, the combination of the slotted hollow standards or sleeves, roller having journals extending into the standards, springs located within the standards beneath the journals of the roller, disks on the springs, projections 11 within the standards, and a knife located on the standards, all substantially as and for the purpose set forth.

LEO EHRLICH.

In presence of—

SAML. KNIGHT,  
BENJN. A. KNIGHT.