

(No Model.)

L. EHRLICH.

PAPER CUTTER.

No. 393,632.

Patented Nov. 27, 1888.

Fig. I,

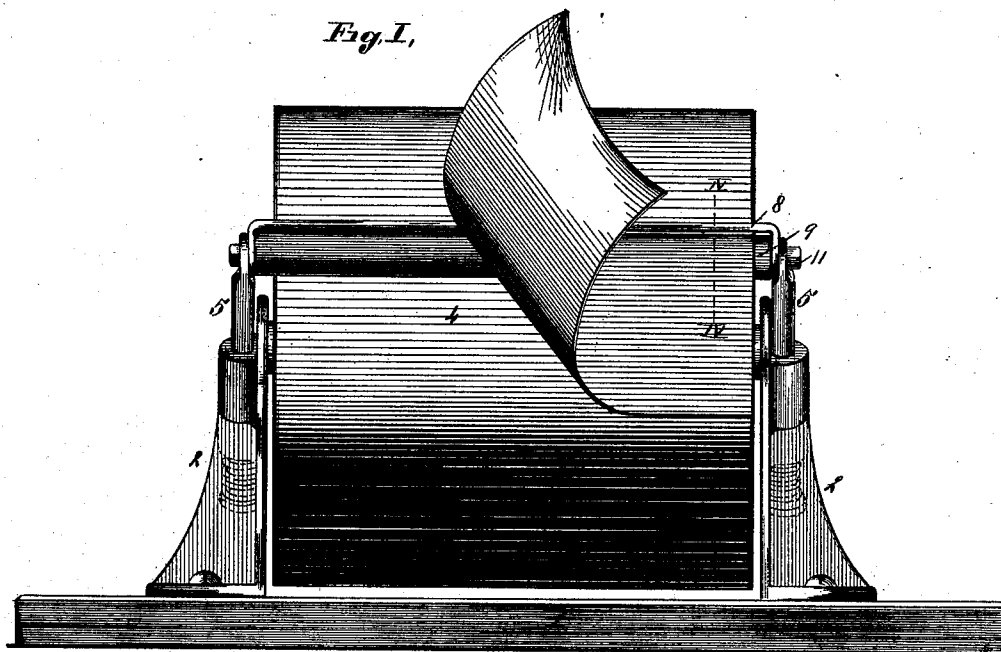


Fig. II,

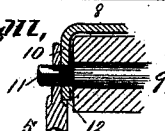


Fig. III,

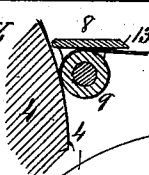


Fig. IV,

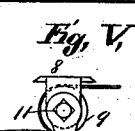
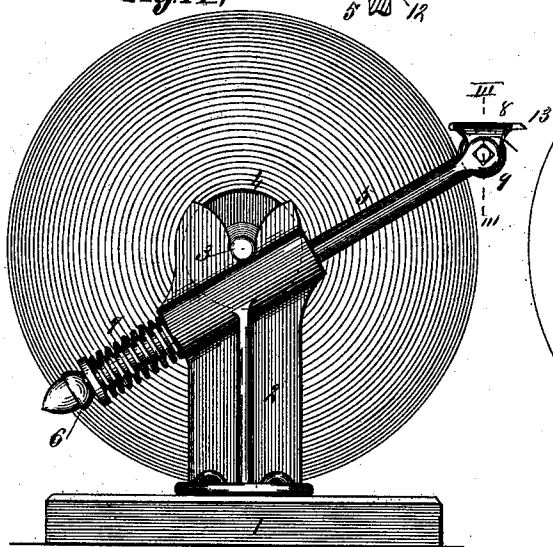
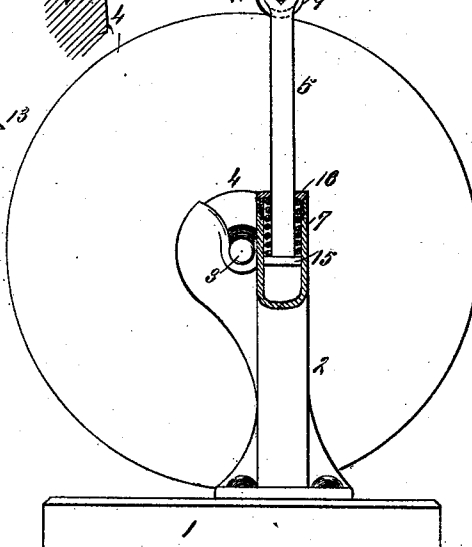


Fig. V,



Attest:
Charles Rickles.
E. Arthur.

Inventor:
Leo Ehrlich.
By Knight Bros.
Attys.

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. 393,632, dated November 27, 1888.

Application filed June 12, 1888. Serial No. 276,801. (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 front elevation of my improved paper-cutter. Fig. II is an end view. Fig. III is a detail section taken on line III III, Fig. II. Fig. IV is a detail section taken on line IV IV, Fig. I. Fig. V illustrates a slight modification.

My invention relates to certain improvements in machines for holding and cutting 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 suitable base, and 2 standards or end pieces secured to the base and which are notched at their upper ends to receive the gudgeons or arbors 3 of the roll of paper 4. The standards are perforated or provided with sockets, through which rods 5 pass, preferably in an inclined direction, as shown in Figs. I and III. Between the standards and nuts 6, on the lower ends of the rods, I locate springs 7, one on each side of the machine.

8 represents the knife secured, preferably, in a horizontal position, to the upper ends of the rods 5, and 9 represents a roller beneath the knife, and which is also secured to the upper ends of the rods 5. The preferred manner of connecting the knife and roller to the rods is illustrated in Fig. III, the knife having a downturned portion, 10, at each end, through which the journal 11 passes, the journal likewise extending through the rods. The lower ends, 10, of the knife bear against shoulders 12 on the rods, thus preventing the knife from turning with the roller. The edge of the paper is passed between the roller and knife, and is cut by moving it upward against the edge of the knife, as shown in Fig. I. The edge 13 of the knife preferably extends some distance beyond the roller 9, as shown in Figs. II and IV, and the knife being in a horizontal position

an easy means is afforded for grasping the edge of the paper by the fingers when another piece of paper is wanted. The action of the springs 7 is to keep the roller 9 against the roll of paper, as will be plainly seen.

In Fig. V is shown a slight modification, where the sockets in the standards are made vertical and the inner ends of the rods 5 are provided with heads 15, between which and caps 16, on the upper ends of the standards, the spring 7 bears. In this form of the invention the roller 9 is on top of the roll of paper instead of on the side of it, as shown in Figs. I and II.

In some instances the roller 9 might be dispensed with, and the gudgeons of the rods and springs will, of course, hold the knife against the roll of paper in the same way as they hold the roll.

I claim as my invention—

1. In a paper-cutter, the combination of a support having sockets, the paper roll, rods fitting in the sockets of the support, knife secured to the rods, and springs for moving the knife toward the center of the roll, substantially as described.

2. In a paper-cutter, the combination of a roll of paper, standards for supporting the roll having sockets, sliding rods fitting in the sockets of the standards, knife secured to the outer ends of the rods, and springs for moving the knife toward the center of the roll of paper, substantially as and for the purpose set forth.

3. In a paper-cutter, the combination of the roll of paper, standards supporting the roll having sockets, sliding rods fitting in the sockets of the standards, a roller and a knife secured to the outer ends of the rods, and springs for moving the roller and knife toward the center of the roll of paper, substantially as and for the purpose set forth.

4. In a paper-cutter, the combination of the roll of paper, standards supporting the roll having sockets, sliding rods fitting in the sockets of the standards, roller secured to the upper ends of the rods, knife secured to the upper ends of the rods in a horizontal position over the roller and projecting beyond the roller, and springs for moving the roller and knife

toward the center of the roll of paper, substantially as and for the purpose set forth.

5 In a paper-cutter, the combination of the roll of paper, standards secured to the roll, rods passing through sockets or perforations in the standards, nuts on the lower ends of the rods, springs located between the nuts and

standards, and a knife and roller secured to the upper ends of the rods, substantially as and for the purpose set forth.

LEO EHRLICH.

In presence of—

EDWD. S. KNIGHT,
JOS. WAHLE.