

(No Model.)

G. REIN.
ROLL PAPER HOLDER AND CUTTER.

No. 449,762.

Patented Apr. 7, 1891.

Fig. I.

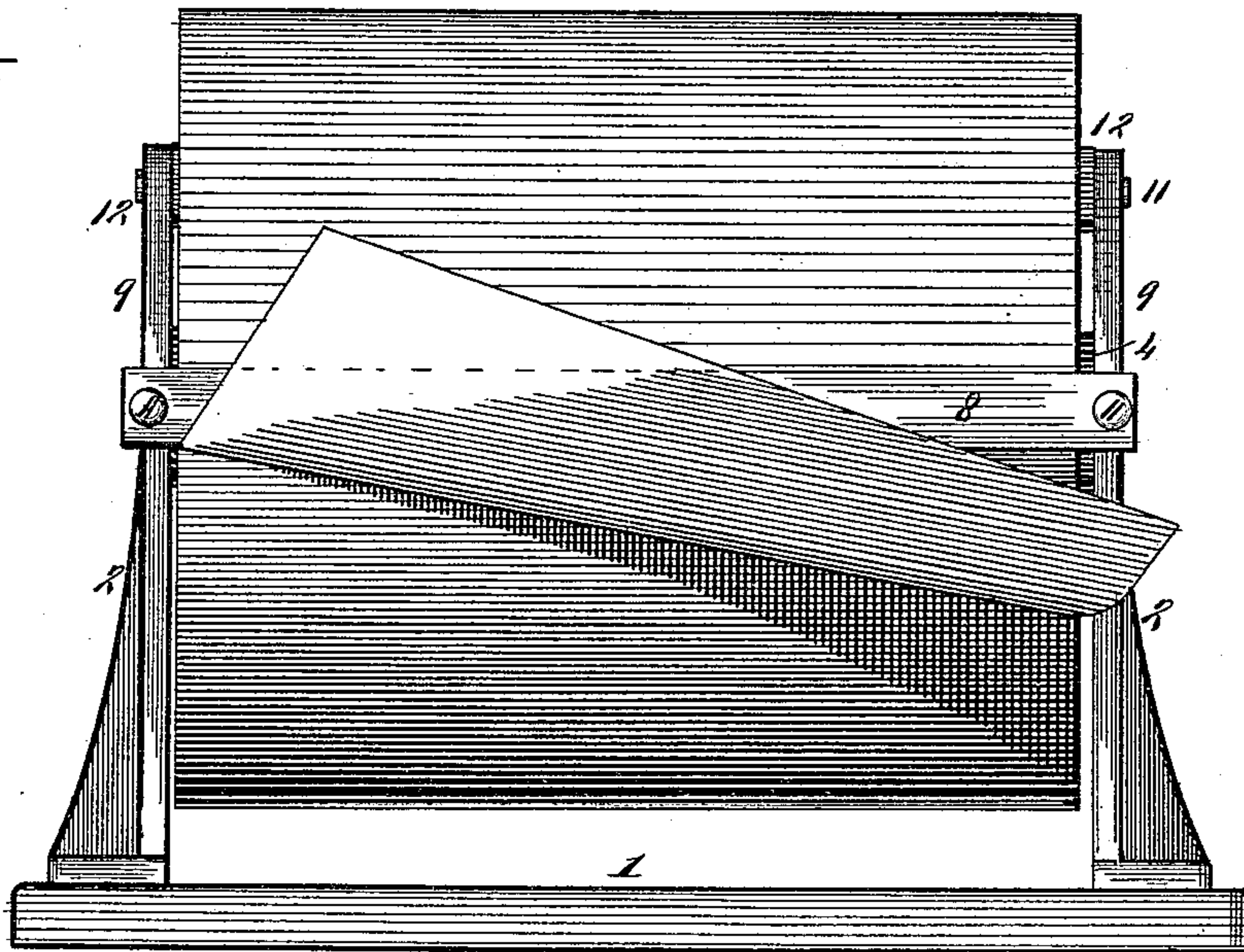


Fig. II,

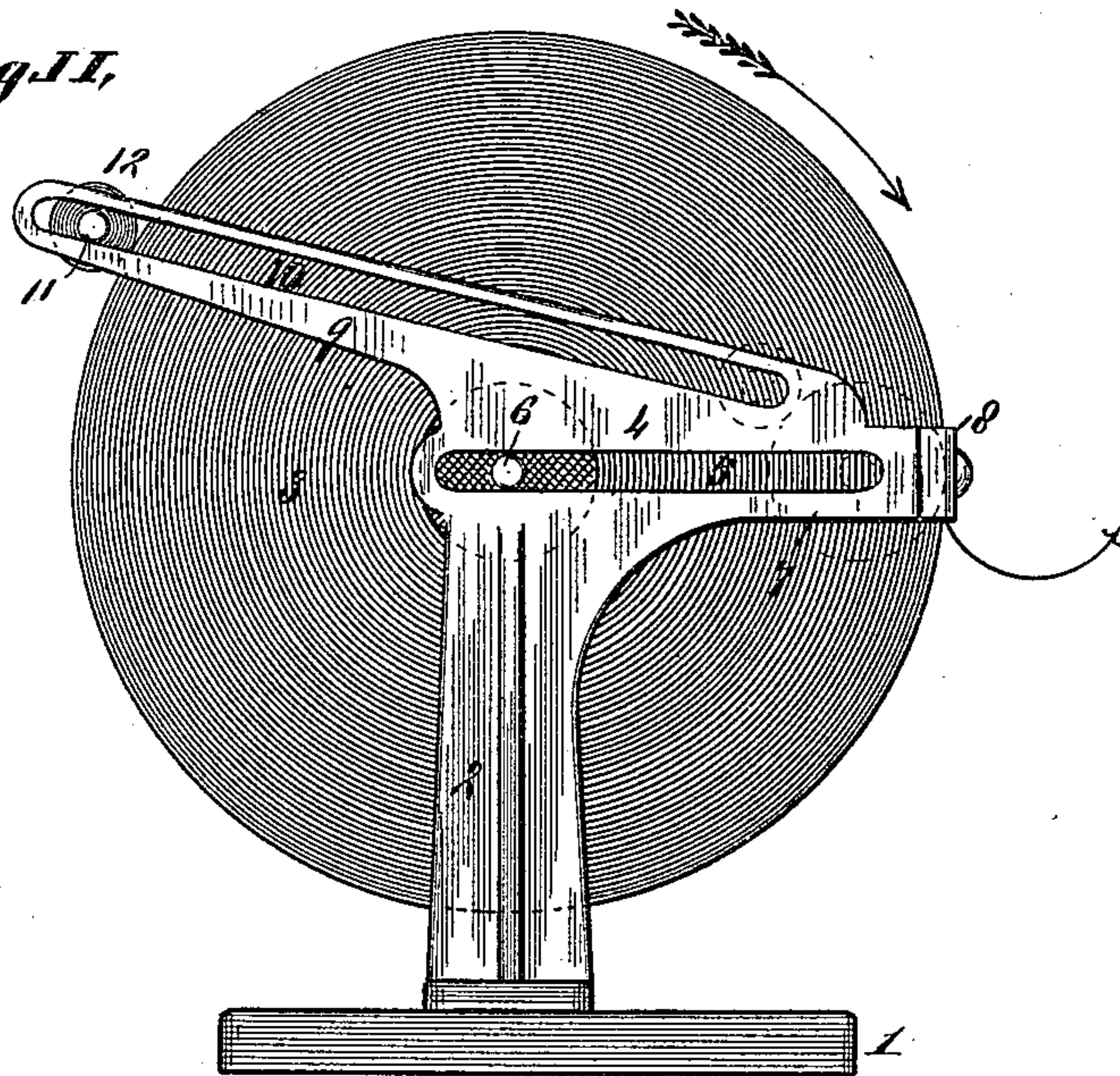
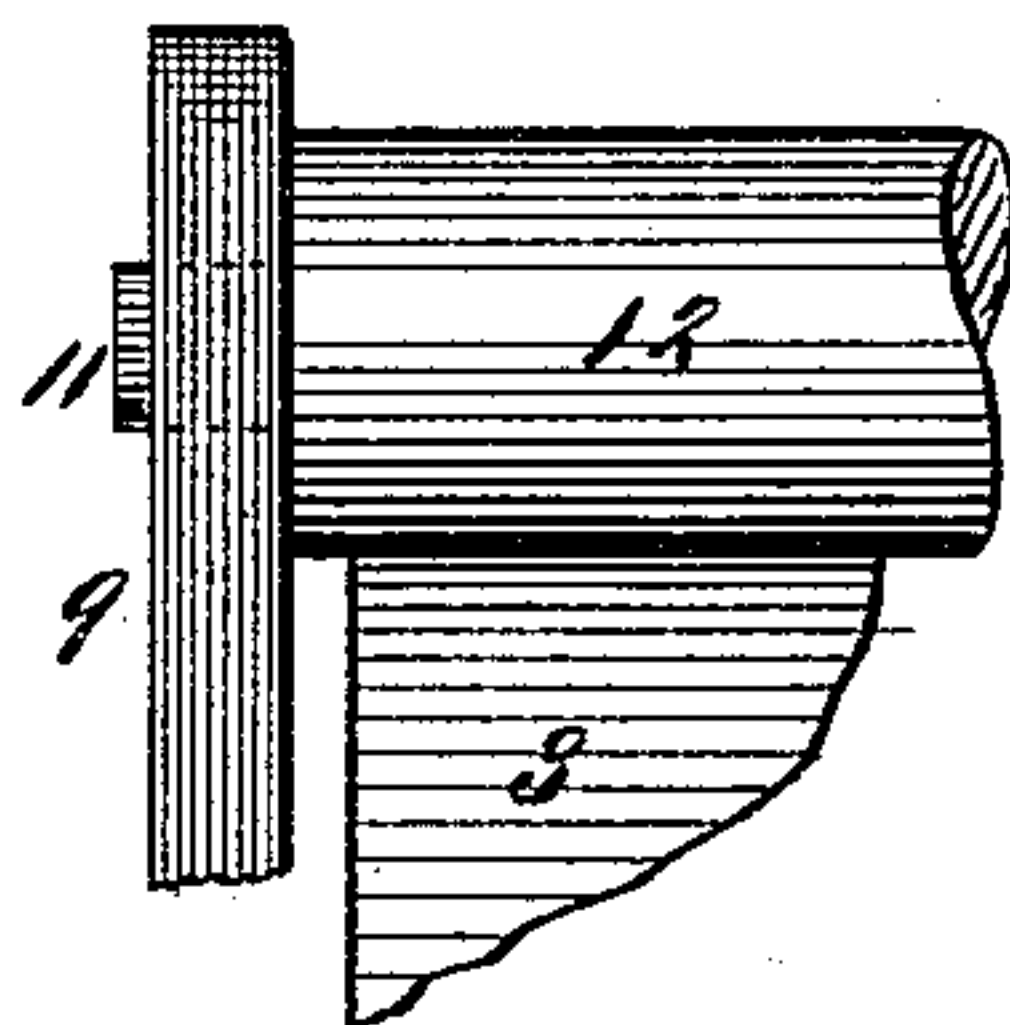


Fig. III,



Attest:
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UNITED STATES PATENT OFFICE.

GUSTAVUS REIN, 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. 449,762, dated April 7, 1891.

Application filed May 16, 1890. Serial No. 352,038. (No model.)

To all whom it may concern:

Be it known that I, GUSTAVUS REIN, 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 certain improvements in machines 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.

Figure I is a front elevation illustrative of my invention. Fig. II is a side elevation. Fig. III is an enlarged detail view showing a portion of the roll of paper and part of the tension-roller.

Referring to the drawings, 1 represents a suitable base, to which standards 2 are secured.

3 represents the roll of paper wound, as usual, upon a spindle 4. The standards 2 are provided with horizontal slots 5, in which the journals 6 of the spindle 4 fit and move as the paper is taken from the roll. The slots 5 are made in horizontal extensions 7 of the standards 2, and to the outer ends of these extensions a knife 8 is secured.

9 represents extensions on the standards 2, which are provided with inclined ways or slots 10 to receive the reduced ends 11 of a tension-roller 12. The ends of the roller 12 fit loosely in the ways or slots 9, and the roller bears constantly against the roll of paper.

It is a well-understood fact that in these roll-paper holders and cutters it is practically necessary to have some means for providing friction on the roll of paper, so that the roll will not turn by its momentum farther than is desired; or, in other words, it is necessary to have some friction or tension device which will stop the rotation of the roll after the required length of paper has been pulled out by a person desiring to remove a portion of the paper from the roll. It is also desirable in these roll-paper holders and cutters for the roll of paper to be held against the knife and

to be moved toward the knife as the size of the roll decreases. I accomplish these two functions by means of the roller 12 fitting in the inclined ways 9 and bearing against the roll of paper. This roller 12 is preferably of some heavy material, such as iron, and its pressure upon the roll of paper forces the latter into contact with the knife and at the same time applies the necessary tension or friction, as explained, the roller, of course, moving down the inclined ways as the size of the roll of paper decreases and moving from the position shown in full lines, Fig. II, to the position shown in dotted lines. This construction provides a very cheap and effective method of keeping the roll of paper against the knife and providing the frictional tension stated.

I claim as my invention—

1. In a roll-paper holder and cutter, the combination of suitable standards adapted to receive the roll of paper and upon which the roll is permitted to move in a horizontal direction, a knife secured to extensions of the standards, and a roller supported on inclined ways and bearing against the roll of paper, causing the latter to be moved toward the knife as its size decreases and forming a tension or friction thereon, substantially as and for the purpose set forth.

2. In a roll-paper holder and cutter, the combination of suitable standards provided with slotted extensions, a knife secured to the slotted extensions, a roll of paper mounted in the slotted extensions, inclined ways formed upon the upper ends of the standards, and a roller fitting on the inclined ways, substantially as and for the purpose set forth.

3. In a roll-paper holder and cutter, the combination of suitable standards having horizontal slotted extensions, a knife secured to the slotted extensions, a roll of paper mounted in the extensions, inclined ways formed upon the standards, and a roller 12, having reduced portions 11 fitting in slots on the inclines 9, substantially as and for the purpose set forth.

GUSTAVUS REIN.

In presence of—

E. S. KNIGHT,
THOS. KNIGHT.