

(No Model.)

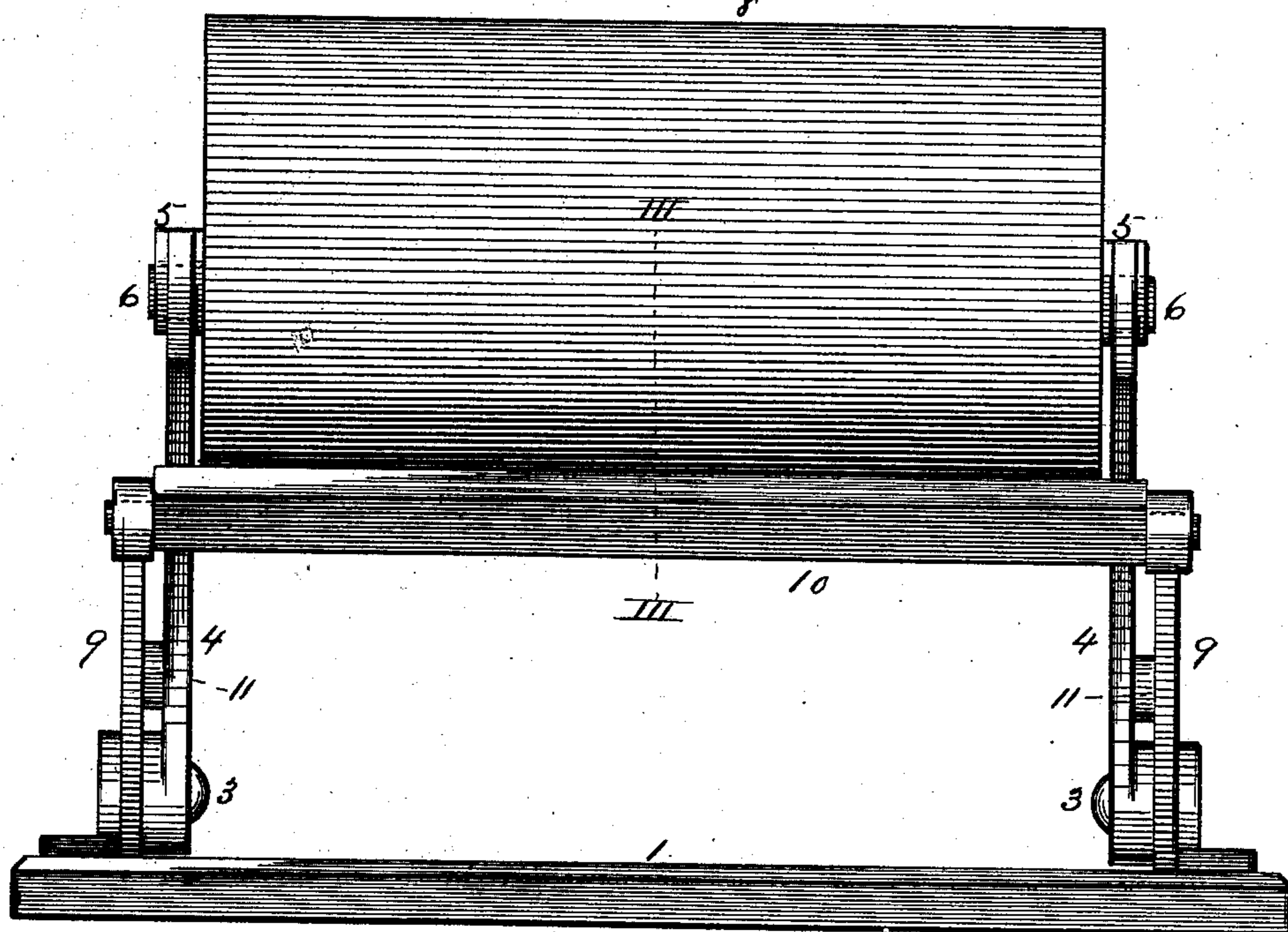
C. K. PICKLES.

PAPER CUTTER.

No. 389,483.

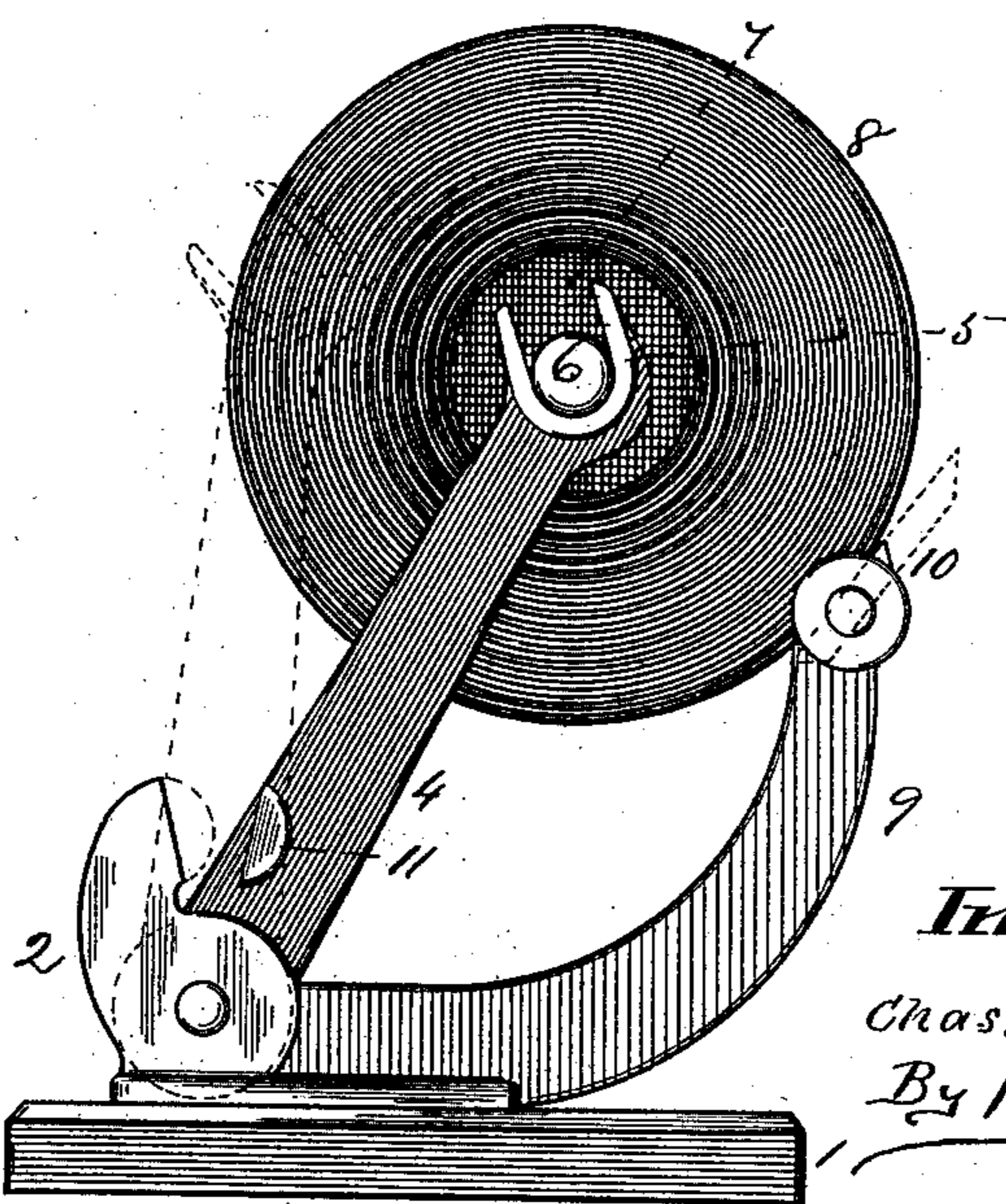
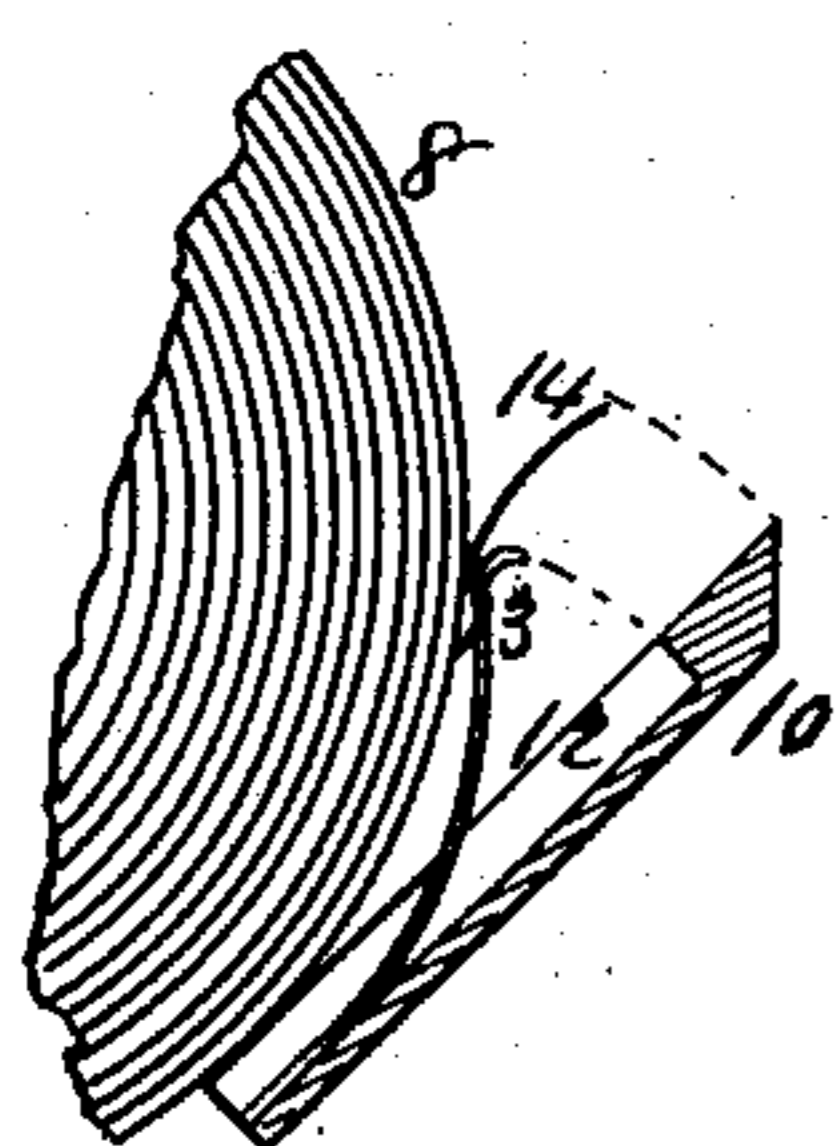
Patented Sept. 11, 1888.

*Fig. I.*



*Fig. II.*

*Fig. III.*



Attest:  
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# UNITED STATES PATENT OFFICE.

CHARLES K. PICKLES, OF ST. LOUIS, MISSOURI, ASSIGNOR TO THE AMERICAN ROLL PAPER COMPANY, OF SAME PLACE.

## PAPER-CUTTER.

SPECIFICATION forming part of Letters Patent No. 389,483, dated September 11, 1888.

Application filed January 26, 1888. Serial No. 261,965. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES K. PICKLES, 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.

This improvement relates to that class of instruments in which a roll of paper is supported on a roll or shaft and a knife is supported in a position tangential to the roll, so that the knife is adapted to cut a portion of paper from the roll.

The improvement consists, partly, in supporting the roll on gravitating arms, whose position is such that the weight of the roll acts to keep its periphery in contact with the knife.

The invention embraces a novel device for causing the edge of the paper to stand out from the periphery of the roll after cutting, to enable its easy seizure by the fingers, as explained and claimed hereinafter.

Figure I is a front elevation of the machine, with a knife of the more simple construction. Fig. II is an end view of the machine, with a knife shown in its simple form by full lines, and its more complex form, as shown in Fig. III, by broken lines. Fig. III is a detail section taken at line III III, Fig. I, but showing the knife in its more complex form.

1 is the base of the machine.

2 are standards, to which are hinged, by pin-joints 3, the gravitating arms 4, which have at their free ends open bearings 5 to receive the gudgeons 6 of the roller 7, upon which the roll 8 of the paper is supported.

9 9 are standards, to which the knife 10 is secured, said knife or cutter extending the whole length of the paper roll, so that when the paper is drawn outward a piece will be severed from the roll at the line of the knife. It is of course understood that the paper is drawn in a direction oblique to the knife, so that the cut will commence at one edge and

end at the other. The standards 2 are so constructed as to arrest the backward movement of the arms 4 before they attain a vertical position, so that the roll 8 will always gravitate to the knife and its periphery be kept in contact with the knife, whatever the diameter of the roll may be.

11 11 are projections on the arms which come in contact with the standards and arrest the backward movement of the arms, as before mentioned.

In Fig. III is shown a recess, 12, in the knife containing a spring-strip, 13, having enough strength to lift the edge 14 of the paper, but so weak that when the edge of the paper is drawn against the knife the spring-strip retreats into the recess. The purpose of this spring-strip is to throw up the edge of the paper out of contact with the knife, so that it may be readily seized by the fingers.

I claim as my invention—

1. In a paper-cutting machine, the combination of a fixed knife and arms gravitating toward the knife and adapted to support the paper roll, substantially as set forth.

2. The combination, in a paper-cutting machine, of a knife, gravitating arms with bearings adapted to receive the gudgeons of the roll upon which the paper roll is supported, and standards preventing the backward swing of the gravitating arms, substantially as and for the purpose set forth.

3. The knife of a paper-cutting machine made with a spring at its inner side, adapted to raise the edge of the paper from the knife, substantially as set forth.

4. The combination, in the knife of a paper-cutting machine, of the spring 13 and recess 12, substantially as and for the purpose set forth.

CHARLES K. PICKLES.

In presence of—

EDWD. S. KNIGHT,  
JOS. WAHLE.