(Model.) 2 Sheets—Sheet 1.

G. REIN.

ROLL PAPER HOLDER AND CUTTER.

No. 428,525. Patented May 20, 1890.

Fig. I.

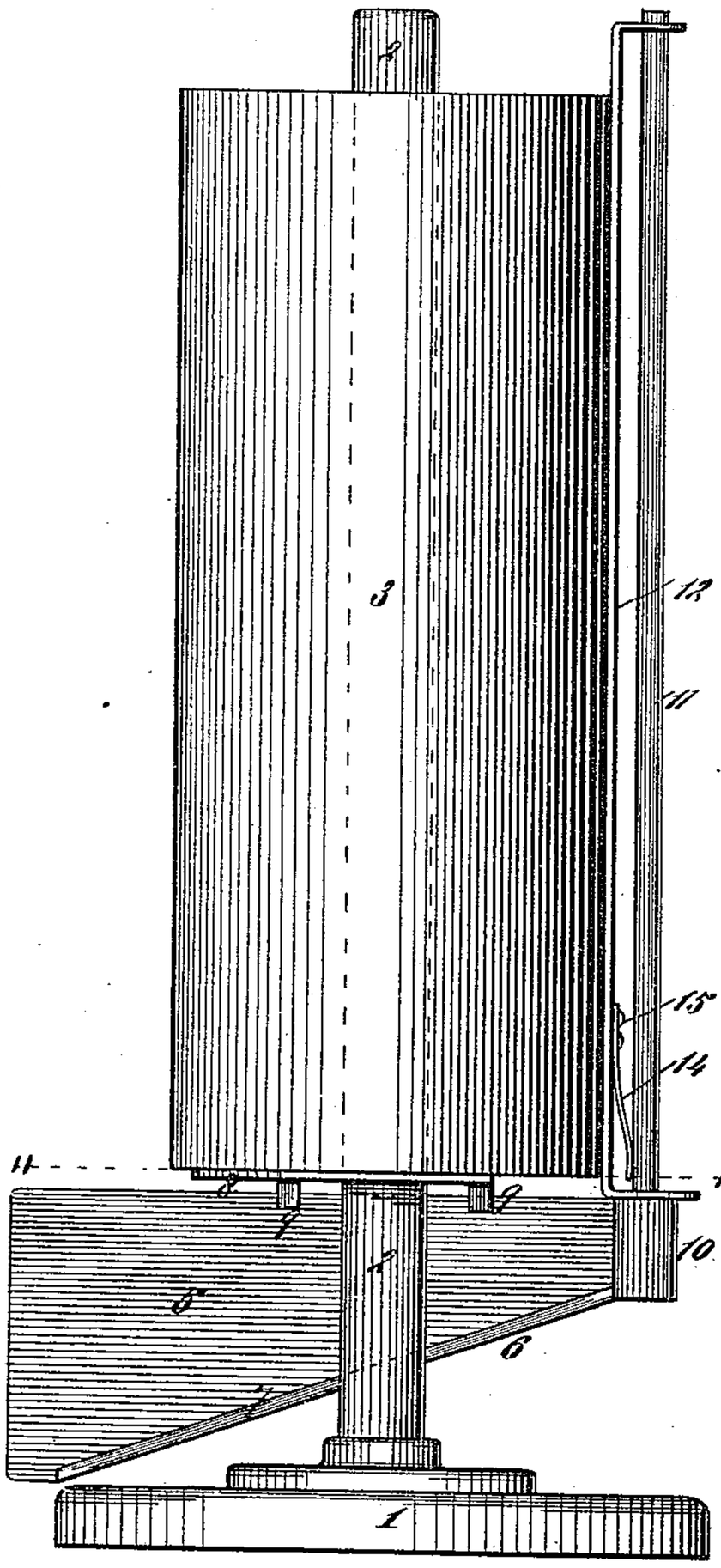


Fig. II.

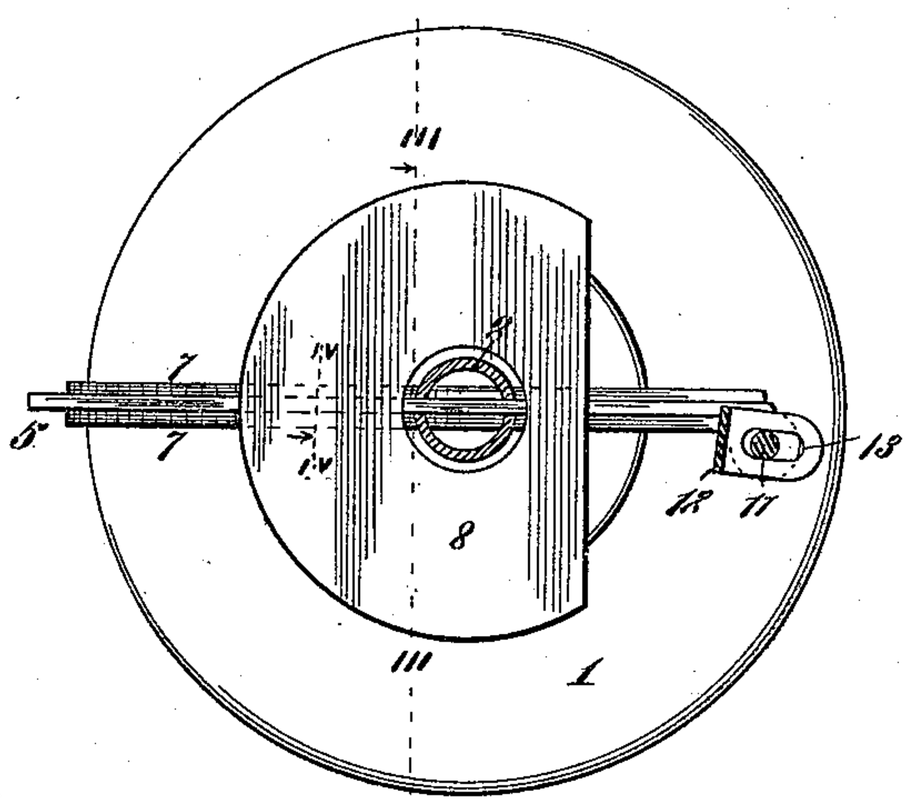


Fig. III.

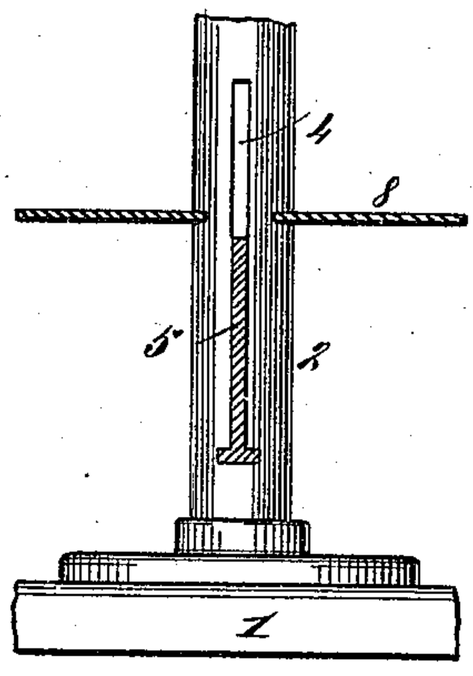
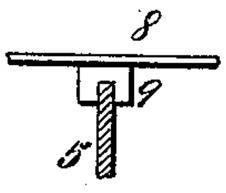


Fig. IV.



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(Model.) 2 Sheets—Sheet 2.

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ROLL PAPER HOLDER AND CUTTER.

No. 428,525. Patented May 20, 1890.

Fig. V.

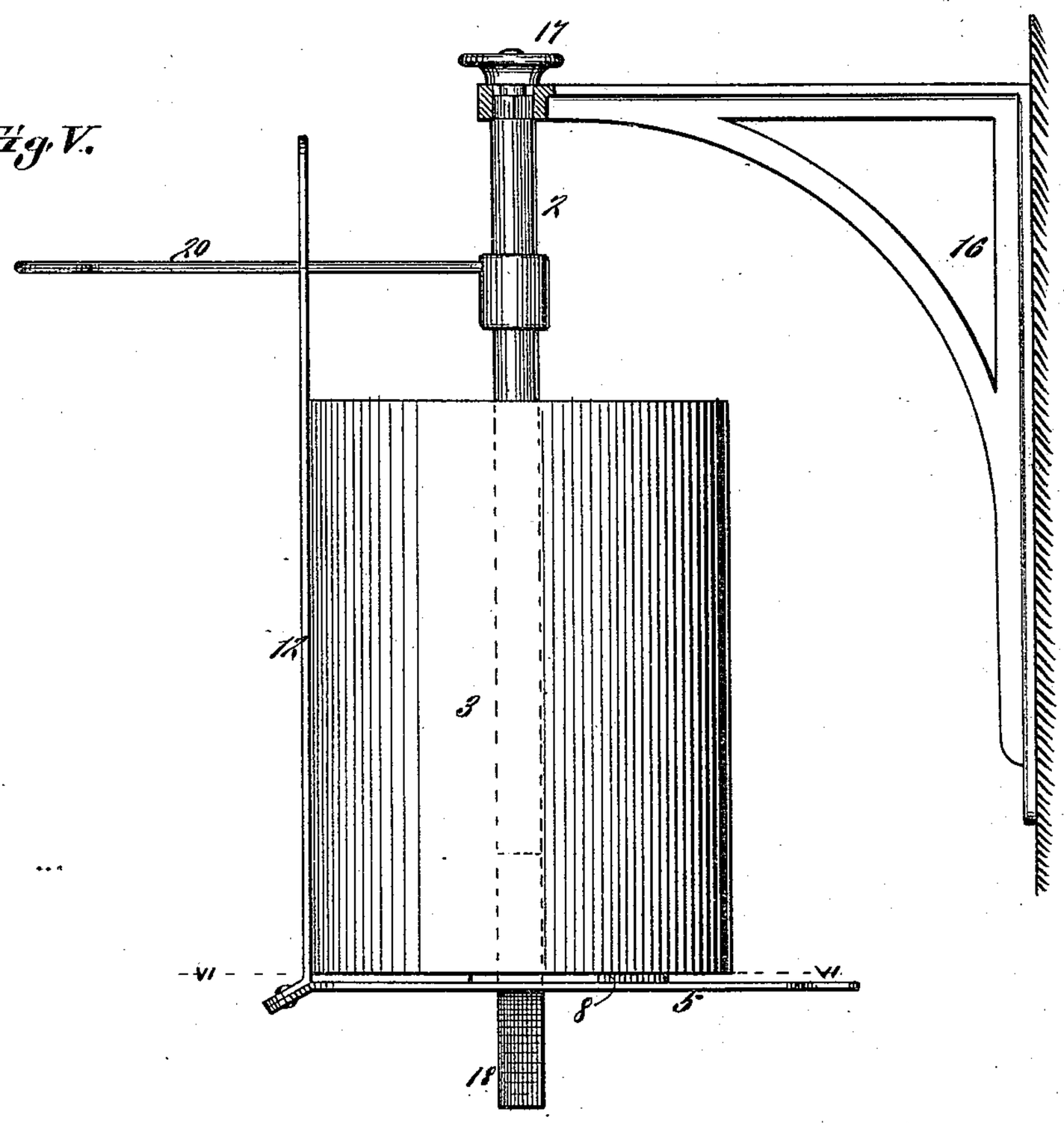


Fig. VI

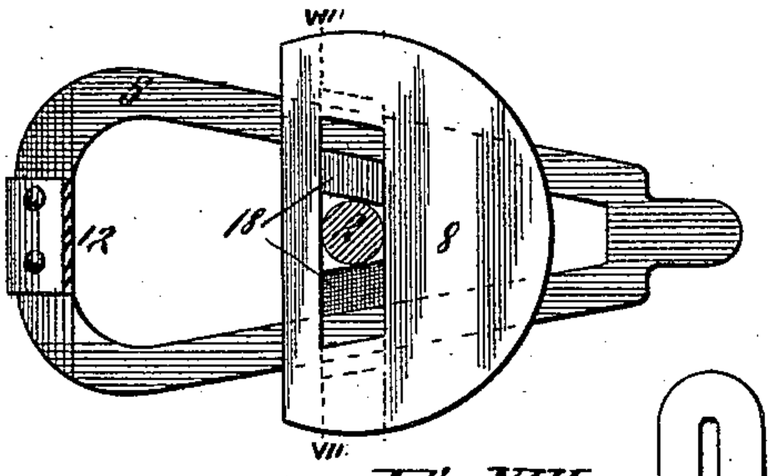


Fig. VII

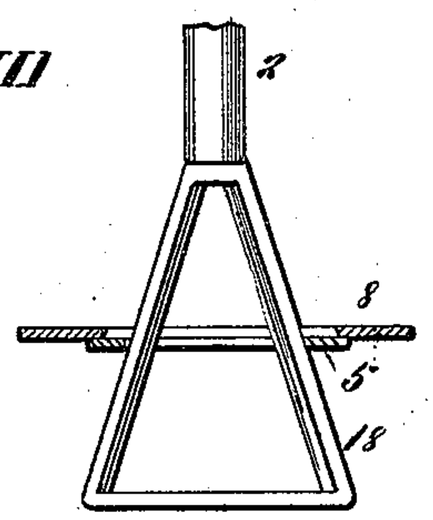
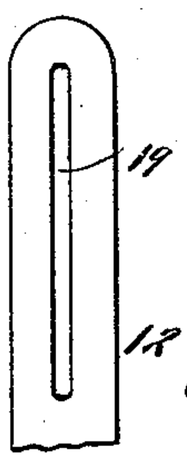


Fig. VIII.



Attest:
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Geo. E. Bruce

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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. 428,525, dated May 20, 1890.

Application filed November 18, 1889. Serial No. 330,689. (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 consists in features of novelty hereinafter fully described, and pointed out in the claims.

Figure I is an elevation representing my improved holder and cutter. Fig. II is a horizontal section taken on line II II, Fig. I, showing the holder with the paper removed. Fig. III is a detail view, partly in section, taken on line III III, Fig. II. Fig. IV is a detail section taken on line IV IV, Fig. II. Fig. V is an elevation showing a modification. Fig. VI is a horizontal section taken on line VI VI, Fig. V. Fig. VII is a section on line VII VII, Fig. VI. Fig. VIII is a detail view of the upper part of the knife shown in Fig. V.

Referring to the drawings, 1 represents a suitable base having a vertical spindle 2, on which a roll of paper 3 turns. In the lower part of the spindle is a slot 4, in which works a slide 5, the lower edge of which is inclined, as shown at 6, and which preferably has a T-flange 7, fitting in a similar T-slot in the lower part of the slot 4. On the slide 5 rests a plate 8, preferably made in segment shape, which plate is prevented from turning by slotted lugs 9, (see Figs. II and IV,) that fit on the upper edge of the slide. On this plate the roll of paper rests. To the end 10 of the slide 5 is secured an upright rod 11. On this rod fits a knife 12, having in its lower end an elongated slot 13, and near the lower end a spring 14 is secured to it at 15. The object of this spring and slot is to give play to the knife when the roll of paper is uneven.

The operation is as follows: The knife being drawn from the standard until the largest part of the slide 5 enters the slot 4 in the standard, the roll of paper is placed on the spindle and the knife pushed toward the roll of paper until it comes in contact with the paper. The holder is then in using position, and the weight of the roll causes increased frictional contact between the plate and the slide, and when the paper is drawn off the vibration created by pulling on the roll shakes the slide down the slot and acts to keep the knife against the roll.

I do not wish to limit myself to the manner I have shown and described of supporting the knife on the slide 5.

In the modification shown in Figs. V to VIII, inclusive, 16 represents a bracket, to which is attached by a thumb-nut 17 the spindle 2, that carries the roll of paper 3. On the lower end of the spindle is a triangle 18, on which rests the slide 5, surmounted by the roll-carrying plate 8, slotted to fit the triangle 18. To the slide 5 is attached the knife 12, in the upper end of which is a slot 19, (see Fig. VIII,) through which passes a guide-rod 20, secured to the spindle, and which steadies the upper end of the knife.

The operation of this form is similar to that of the main form.

I do not claim, broadly, the idea of a knife held to the roll of paper by means of the weight of the roll itself.

I claim as my invention—

1. In a roll-paper holder and cutter, in combination with a roll of paper, a slide receiving the weight of the roll and having an inclined bearing, and a knife carried by the slide, substantially as and for the purpose set forth.

2. In a roll-paper holder and cutter, the combination, with a base, of the spindle 2, having a slot 4, and a slide having an incline and working in said slot and carrying a knife, substantially as and for the purpose set forth.

3. In a roll-paper holder and cutter, the combination of the slide having an incline, the upright rod, and a knife fitting on said rod, substantially as and for the purpose set forth.

4. In a roll-paper holder and cutter, the combination of the slide having an incline, the plate 8, the upright rod secured to the slide, a knife fitting on said rod and having at its lower end an elongated slot, and a spring, substantially as and for the purpose set forth.

GUSTAVUS REIN.

In presence of—
E. S. KNIGHT,
THOS. KNIGHT.