

(No Model.)

2 Sheets—Sheet 1.

A. J. KLETZKER.
PAPER CUTTER AND PRINTER.

No. 420,388.

Patented Jan. 28, 1890.

Fig. I.

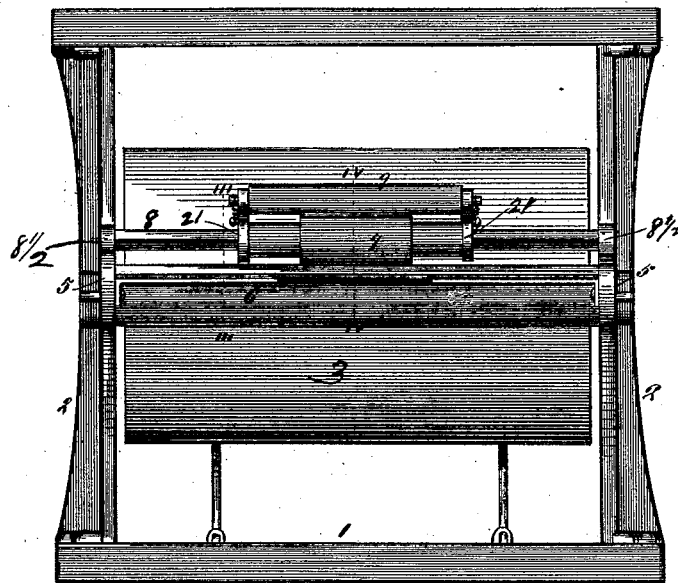


Fig. II.

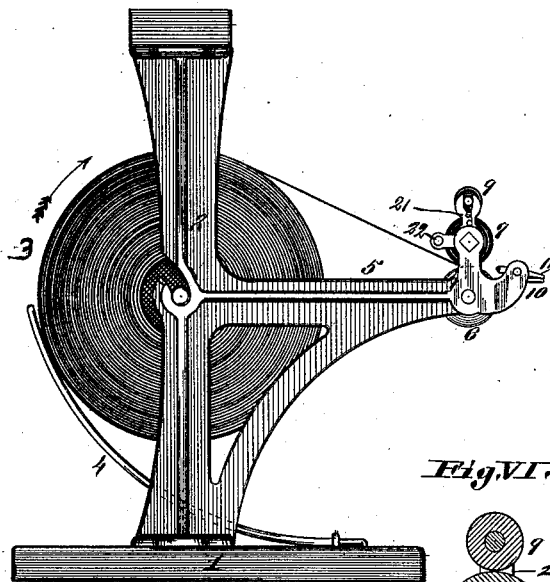
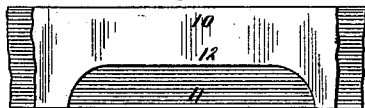


Fig. V.



Attest:
E. Arthur
S. H. Knight

Fig. III.

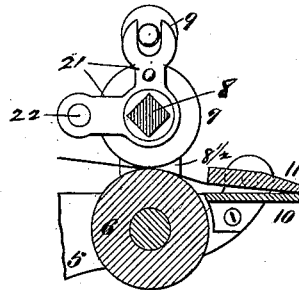


Fig. IV.

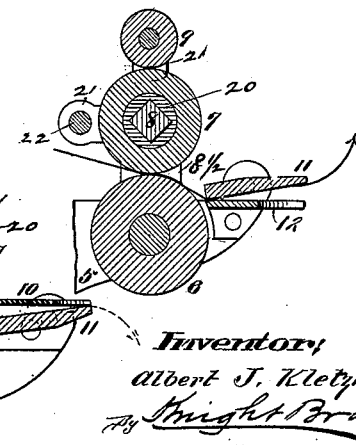
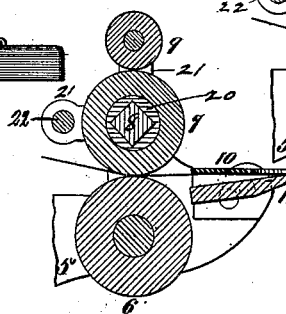


Fig. VI.



Inventor,
Albert J. Kletzker
By *Knight Bros*
attys

(No Model.)

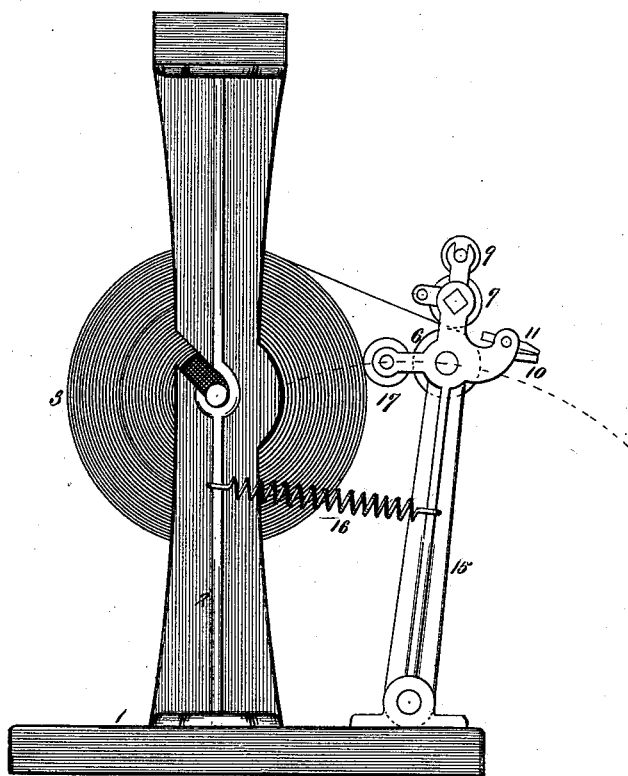
2 Sheets--Sheet 2.

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Fig. VII.



Attest:
E. Arthur
E. H. Knight.

Inventor:
Albert J. Kletzker
By *Knights Bros*
attys

UNITED STATES PATENT OFFICE.

ALBERT J. KLETZKER, OF ST. LOUIS, MISSOURI, ASSIGNOR OF ONE-HALF TO
JAMES E. BLYTHE, OF SAME PLACE.

PAPER CUTTER AND PRINTER.

SPECIFICATION forming part of Letters Patent No. 420,388, dated January 28, 1890.

Application filed October 3, 1888. Serial No. 287,037. (No model.)

To all whom it may concern:

Be it known that I, ALBERT J. KLETZKER, of the city of St. Louis, in the State of Missouri, have invented a certain new and useful Improvement in Paper Cutters and Printers, 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—

10 Figure I is a front elevation of an ordinary form of roll-holder having one form of my improvements applied thereto. Fig. II is a side elevation of the same. Fig. III is an enlarged detail section of my improvement, taken on line III III, Fig. I. Fig. IV is a similar view taken on line IV IV, Fig. I. Fig. V is an enlarged detail view showing part of the paper plate or support and part of the knife. Fig. VI is a modified form of cutter, 20 and Fig. VII illustrates the principal form of the invention.

My invention relates to an improved device for printing and cutting wrapping-paper, adapted to be applied to a roll-holder; and my invention consists in features of novelty hereinafter fully described, and pointed out in the claims.

Referring to the drawings, 1 represents the base; 2, end pieces or standards; 3, the paper-roll, mounted, as usual, in the standards; 4, a brake or tension spring, and 5 the horizontal extensions with which the standards are provided, all of these parts being of any suitable well-known construction. In the outer ends 35 of the extensions is journaled a roller 6, forming a printing-platen, and over this is the printing-roller 7, mounted on a non-circular bar 8, supported by lugs 8½ on the extensions 5. Interposed between the roller 7 and bar 40 8 is a sleeve 20, on which the roller turns. Above the printing-roller is an inking-roller 9, supported on brackets 21, fitting over the bar 8 and held together by a rod 22.

The face or periphery of the roller 7 is provided with type-form to print the desired matter on the paper as it passes through between this roller and the platen, as shown in Fig. III.

The extensions 5 extend beyond the journals of the platen, and to them are secured a fixed plate 10 and a pivoted knife 11. The

paper passes between the knife and plate, the normal position of the knife being that shown in Fig. III, with its inner edge tipped upward away from the plate 10, or its outer and cutting edge tipped down, bearing upon the plate. 55

The operation is as follows: As the paper is pulled through between the roller 7 and platen 6 and the knife 11 and platen 10, it is first 60 printed by the roller 7, and when the desired amount has been drawn out it is moved upwardly against the outer edge of the knife, which tilts from the position shown in Fig. III to the position shown in Fig. IV. This causes 65 the rear or inner edge of the knife to bind the paper between it and the plate 10, as shown in Fig. IV, to avoid danger of the paper slipping while it is being cut off. Then when the paper has been severed the knife 70 drops down again, permitting another piece to be drawn out when desired. The plate 10 is cut out, as shown at 12, Figs. IV and V, to afford an easy finger-hold in grasping the paper when another piece is wanted. 75

By arranging the parts as shown a uniform printing-surface, consisting of the platen 6, is presented to the printing-roller, and the device can be made at a small cost.

In Fig. VI, I have shown a slight modification consisting in placing the knife 11 beneath the plate 10, and in Fig. VII, I have shown the principal form of the invention, consisting in mounting the printing and cutting mechanism on hinged arms 15, which are 85 moved toward the roll of paper as the latter decreases in size by means of springs 16. Behind the printing-platen 6 would be a roller 17, bearing against the roll of paper and holding the platen and inking-roller a distance 90 from the roll of paper.

I claim as my invention—

1. In combination with a shaft for the support of a rotatable roll of paper, pivoted arms supporting at their free ends rotatable platen, 95 inking and type rollers movable toward said shaft as the roll decreases in size, and a cutter attached to the free ends of the arms in advance of said rollers.

2. In combination with a shaft for the support of a rotatable roll of paper, pivoted arms supporting at their free ends rotatable platen, 100

inking and type rollers movable toward said shaft as the roll decreases in size, springs secured to the arms, whereby the pressure of the rollers on the roll of paper may be regulated, and a cutter located in advance of the said rollers.

3. The combination, with a shaft for a rotatable roll of paper, of roller 17, adapted to rest against the roll of paper, the platen, type, and inking-rollers mounted to move toward said shaft in unison with said roller 17, and a cutter located in advance of said rollers, substantially as set forth.

4. The combination of the paper-roll, supporting-standards having extensions, platen journaled in the extensions, lugs on the extensions, a non-circular bar fitting in the lugs, sleeve on the bar, printing-roller on the sleeve, brackets 21, supported by said bar, connecting-rod 22, and inking-roller 9, all substantially as and for the purpose set forth.

5. The combination, with the roll for paper, of the hinged standards 15, brackets carrying a printing and paper cutting device mounted on said standards, and a roller mounted in said brackets and adapted to rest against the paper on said roll for paper, substantially as set forth.

6. The combination, with the roll for paper, of the hinged standards, brackets carrying a printing and paper cutting device mounted on said standards, the roller 17, carried by said standards, and the spring 16, for holding said roller against the paper on said roll for paper, substantially as set forth.

ALBERT J. KLETZKER.

In presence of—
BENJN. A. KNIGHT,
EDW. S. KNIGHT.