(No Model.)

J. F. McAFEE.

PAPER CUTTER ATTACHMENT.

No. 420,823. Patented Feb. 4, 1890.

Fig. I.

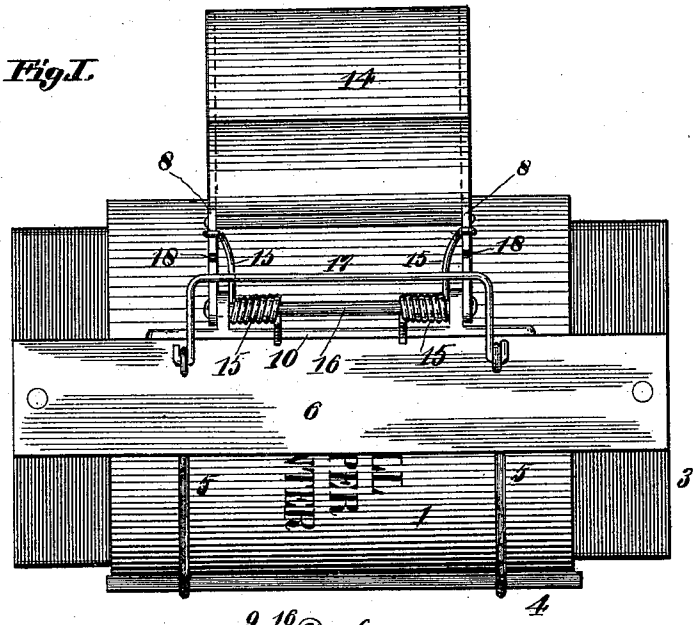


Fig. II.

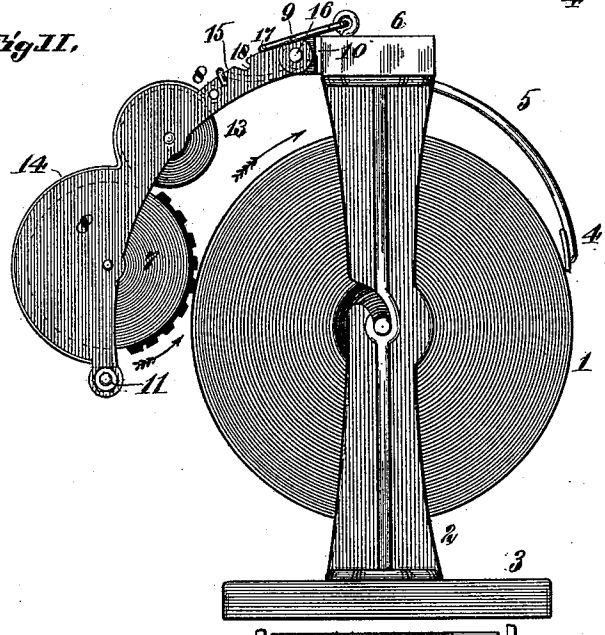
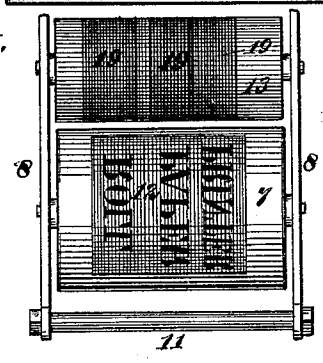


Fig. III.



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UNITED STATES PATENT OFFICE.

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PAPER-CUTTER ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 420,823, dated February 4, 1890.

Application filed December 31, 1888. Serial No. 296,068. (No model.)

To all whom it may concern:

Be it known that I, JOHN F. MCAFEE, of Pleasant Hill, in the county of Cass and State of Missouri, have invented a certain new and useful Improvement in Paper-Cutter Attachments, 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 top view illustrative of my invention. Fig. II is a side elevation. Fig. III is a detail view of the attachment.

My invention relates to a printing attachment for roll-paper cutters and holders; and my invention consists in features of novelty hereinafter fully described, and pointed out in the claim.

Referring to the drawings, 1 represents the roll of paper; 2, the standards supporting the roll; 3, the base to which the standards are secured; 4, the knife; 5, the arms carrying the knife, and 6 the cross-piece connecting the standards 2 at top. These parts may all be of any ordinary or common construction, as my invention does not relate to them *per se*.

7 represents the printing roller or drum of my improved attachment. It is journaled at its opposite ends in arms 8, which are hinged at 9 to a plate or bar 10, which is attached to the cross-piece 6 by screws or other suitable means. The arms are preferably connected at their lower ends by a tie-rod 11, and are formed with upwardly-extending enlargements 8^a, preferably conforming to the contour of the rollers and extending above the peripheries of the latter for supporting a cover, hereinafter explained. The roller 7 is provided with a rubber or other printing-surface 12, upon which printing matter is arranged, the printing-surface being raised or protruding from the surface of the roll, as shown in Fig. II.

13 represents the inking-roller. It is journaled in the arms 8, preferably above the printing-roller, and is a sufficient distance from the printing-roller as not to bear on the part of the latter not occupied by the printing-surface, while it does bear on the printing-surface as the latter moves beneath it.

The printing-roller and also the inking-roller are protected from dust and dirt by a covering or casing 14, that extends across from one arm 8 to the other.

The printing-roller is held upon the roll of paper 1 by means of springs 15. These may be arranged as shown in Fig. I, (that is, by being coiled around the rod 6, that connects the arms 8 to the plate 10, and by bearing each at one end against the plate 10 and at the other end against one of the arms,) or they may be arranged in any other desired manner. The office of these springs is to hold the printing-roller upon the roll of paper, so that as the latter is turned by removal of the paper whenever a portion is wanted the printing-roller will be revolved and the impression produced.

The direction in which the roll of paper turns, and also the direction in which the printing-roller turns, is shown by arrows in Fig. II.

When a fresh roll of paper is to be inserted, it is desirable to have some means of holding the printing and inking rollers up out of the way, and to accomplish this I form a support for them by pivoting a bail or U-shaped wire or rod 17 to the cross-piece 10 and forming notches 18 in the arms 8. By lifting up on the lower ends of the arms 8 the bail 17 will engage in the notches 18 and hold the arms (and of course the printing-roller and inking-roller also) up out of the way when inserting another roll of paper. Then, when the roll of paper is put in place it is only necessary to disengage the bail 17 from the notches 18 and the printing-roller will be forced down upon the paper roll by means of the springs 15.

For the purpose of printing different colors I arrange the inking-pads 19 on the roller 13 in sections—that is, I divide them by small spaces. Thus by applying different-colored inks to the different sections of the pad the printing may be produced in different colors.

My attachment can be very readily secured to any paper-cutter in use, is cheap and durable, and is not liable to be shifted out of position as the paper is removed from the roll 1.

I claim as my invention—

In combination with a roll-paper holder and cutter, a printing attachment consisting, essentially, of hinged arms, a printing and an inking roller journaled in the arms, and a bail or wire adapted to fit in notches in the arms for holding the latter and the parts carried by them while the roll of paper is being inserted, substantially as and for the purpose set forth.

JOHN F. McAFEE.

In presence of—
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A. D. STANLEY.