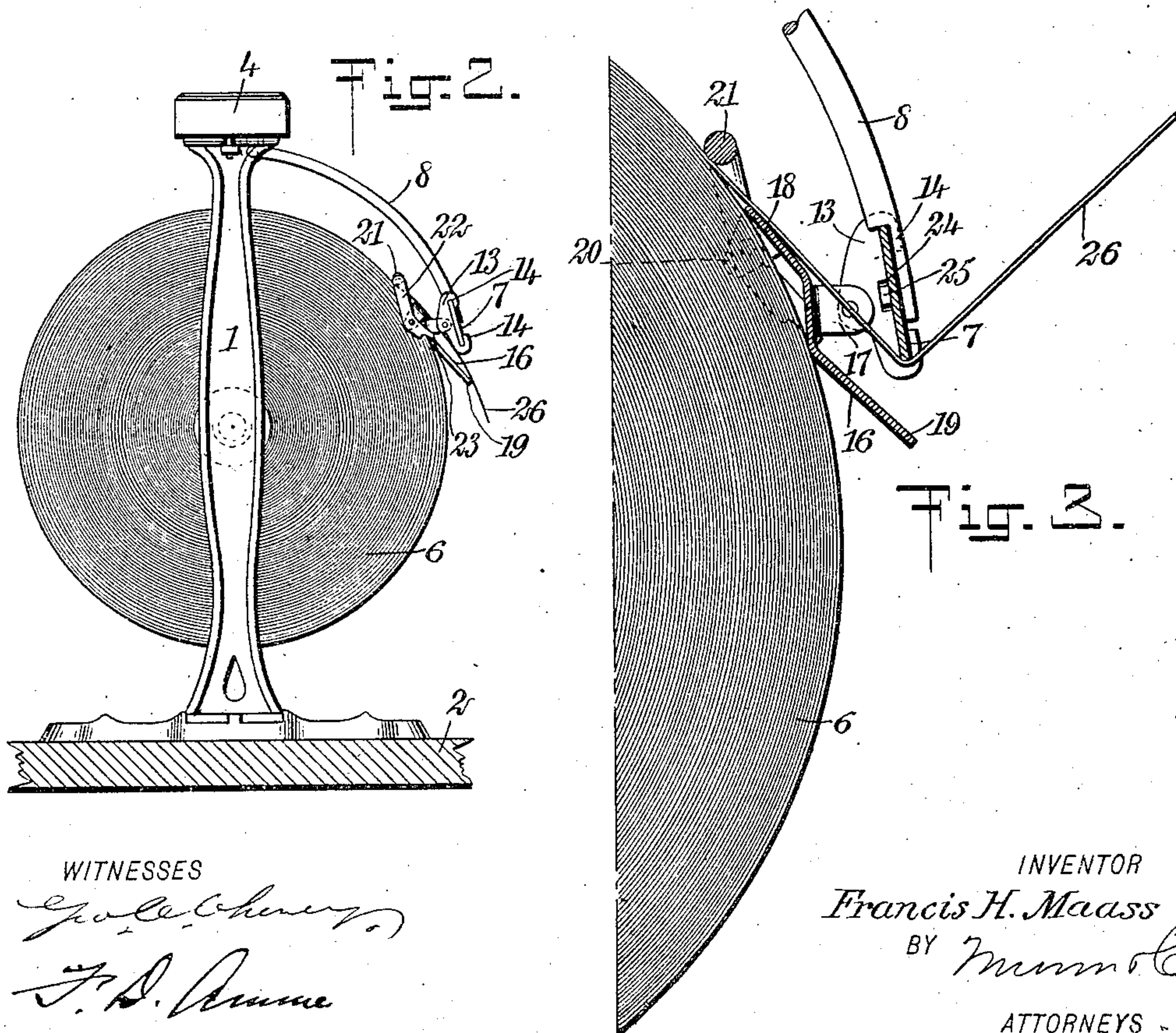
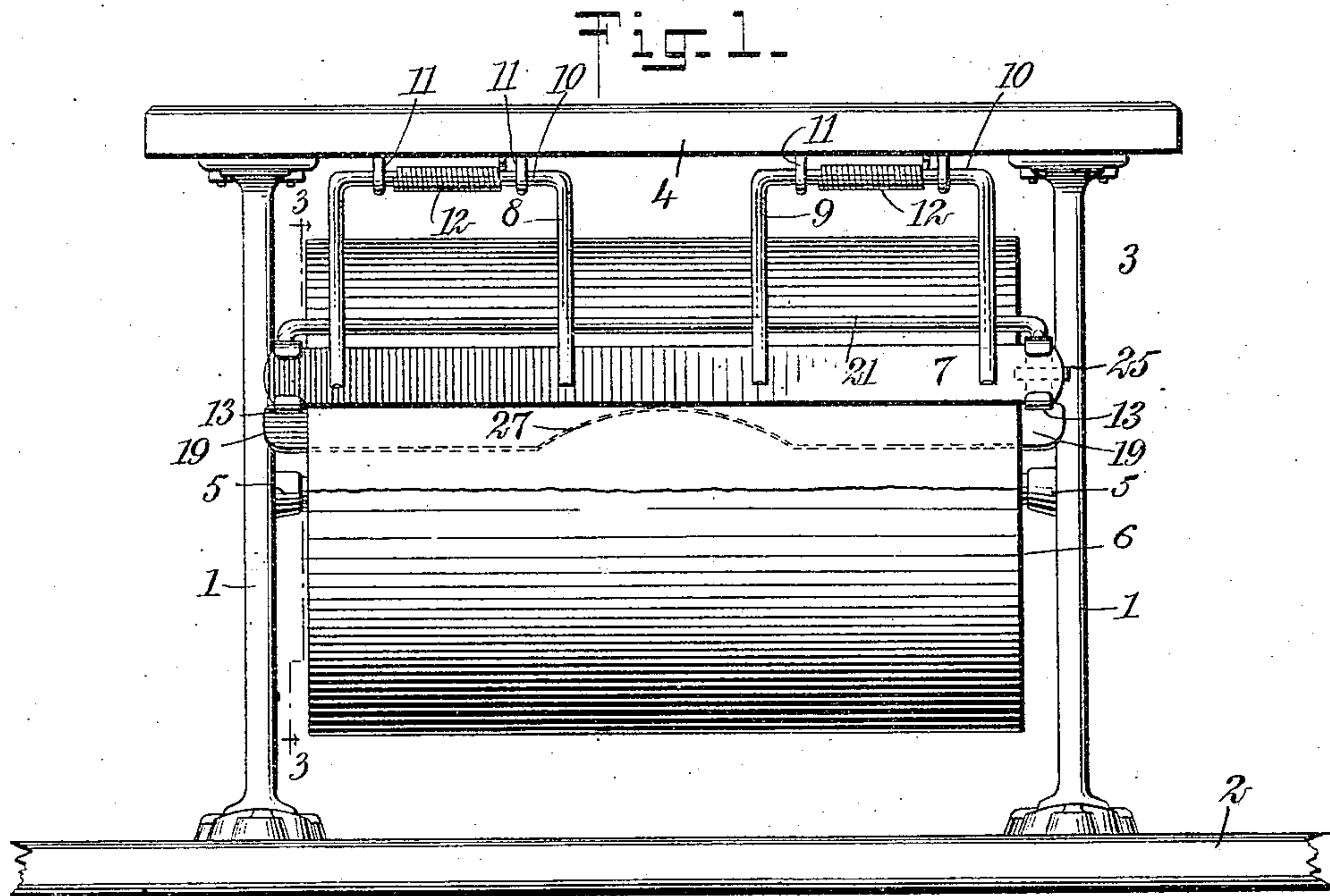


No. 855,321.

PATENTED MAY 28, 1907.

F. H. MAASS.  
ATTACHMENT FOR ROLL PAPER CUTTERS.  
APPLICATION FILED JUNE 11, 1906.



WITNESSES

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# UNITED STATES PATENT OFFICE.

FRANCIS H. MAASS, OF CLINTON, IOWA.

## ATTACHMENT FOR ROLL-PAPER CUTTERS.

No. 855,321.

Specification of Letters Patent.

Patented May 28, 1907.

Application filed June 11, 1906. Serial No. 321,195.

*To all whom it may concern:*

Be it known that I, FRANCIS H. MAASS, a citizen of the United States, and a resident of Clinton, in the county of Clinton and State of Iowa, have invented a new and Improved Attachment for Roll-Paper Cutters, of which the following is a full, clear, and exact description.

This invention relates to an attachment for paper cutters such as used in connection with rolls of wrapping paper for cutting small quantities or sheets therefrom.

The object of the invention is to produce an attachment of simple form which may be readily mounted on a roll paper cutter of common construction, the general purpose being to produce an arrangement which will facilitate the drawing out of the paper when a portion of the same is to be detached.

The invention consists in the construction and combination of parts to be more fully described hereinafter and particularly set forth in the claims.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a front elevation of a roll paper cutter provided with my attachment; Fig. 2 is an end view of the device represented in Fig. 1; and Fig. 3 is a section taken on the line 3—3 of Fig. 1, upon an enlarged scale.

Referring more particularly to the parts, 1, 1, represent a pair of standards which are disposed opposite each other and attached to a shelf, table top or counter 2. These standards 1 constitute portions of a frame 3, which is completed by a horizontal bar 4, which rests upon the upper ends of the standards as shown. On the inner faces of the standards 1 sockets 5 are provided, which support the shaft of a roll 6. Extending longitudinally of the roll 6 there is provided a knife or blade 7 consisting simply of an elongated strip of sheet metal which is attached rigidly to bifurcated arms 8 and 9 which arms are formed with wrists 10 rotatably mounted in bearings 11 attached to the under side of the bar 4. Around the wrists 10 helical springs 12 are placed, which afford means for pressing the knife 7 toward the roll 6.

The construction just described constitutes a roll paper holder and cutter of a very

common form. It may be stated more specifically at this point that the purpose of this invention is to provide an attachment for such a device which will improve its efficiency in operation, particularly with respect to the matter of facilitating the drawing out of the paper from the roll after a portion has been torn off along the lower edge of the knife. In this connection it should be understood that with a device of the simple form just described, the lower edge of the knife normally rests against the side of the roll and when the paper is cut off in a well known manner, no projecting extremity or edge of the paper is left beyond the knife, as the paper is severed evenly along the knife edge. On this account it is not feasible to pull the paper out simply by taking hold of the severed end of the web, and ordinarily it is only possible to advance the paper by taking hold of the roll and rotating the same. With my attachment, the arrangement is such that a hanging edge is left below the knife after a portion of the paper is severed, and this edge projects sufficiently to enable the person operating the roll to seize it so that the paper may be drawn out.

In applying my invention to such a roll paper cutter, I provide a pair of oppositely disposed brackets or clips 13 which are formed with fingers or claws 14, that are bent over as shown, so as to lie adjacent to the flat outer face of the knife 7. These clips are connected by a pivotally attached shoe 16, which consists of an elongated plate extending longitudinally of the roll 6 just beneath the knife 7 as shown. In order to facilitate the attachment of the shoe to the clips 13, the ends of the shoe are formed with outwardly projecting integral ears 17 which are pivotally attached to the clips, as indicated very clearly in Fig. 3. The upper portion of the shoe is bent inwardly so as to form a cheek piece 18 which lies against the side of the roll as shown, and the lower portion of the plate or shoe is bent outwardly so as to form an inclined outwardly projecting flange or apron 19, which apron projects to a point beneath the knife 7 as shown.

The ends of the cheek piece 18 are formed into inwardly and downwardly projecting ears 20, and these ears afford means for attaching a longitudinally disposed guard or guide bar 21. The body of this guard 21



extends longitudinally of the roll and lies against the outer face thereof as shown. At its extremities the guard is formed with integral arms 22, as indicated in Fig. 2, which arms extend over the ears 20 and are pivotally attached thereto, as shown. One of these arms is extended beyond the point of attachment with the ear and formed with a toe 23 which is adapted to engage the upper edge of the apron 19 of the shoe, so that the outward movement of the guard 21 is limited with respect to its pivotal movement upon the ears 20.

In connecting the attachment just described to the blade 7, the clips 13 are slid over the ends of the knife; this may be accomplished by seating one of the clips at a time and sliding the entire attachment first in one direction and then in the other.

I provide means for securing the attachment to the knife, which means consists in forming an opening or eye 24 in one of the clips 13 just at the rear of the knife as indicated in Fig. 3. In this eye I wedge a tapered pin 25. When the attachment is in position, the parts have the relation shown in Fig. 3, the cheek piece 18 of the shoe lying substantially tangent to the face of the roll, while the apron 19 projects outwardly therefrom below the knife 7 as shown. The web 26 passes down under the guard bar 21, over the cheek piece 18 and under the edge of the knife 7. The paper is torn off by a dexterous movement practiced by bundle wrappers and results in severing the paper along the lower edge of the knife, as will be readily understood. The portion of the web which lies between the guard 21 and the lower edge of the knife then falls upon the apron 19. When another piece of paper is to be torn off, this projecting portion may be readily seized between the fingers so as to enable the web to be pulled out or extended.

In order to facilitate the seizing of the end of the web in the manner suggested, I provide the under edge of the apron 19, near the middle portion thereof, with a recess or shallow notch 27, as illustrated in Fig. 1. It should be understood that the fingers would grasp the torn end of the web at this point with great facility.

Special attention is called to the pivotal connection between the shoe 16 and the clips 13, which enables the shoe to adapt itself to the face of the roll, whatever be the diameter thereof.

While I have described my invention as an attachment for a knife of common form, it will, of course, be possible to construct the complete device as one structure, so that the improved device could be shipped in its finished form from the factory.

Having thus described my invention, I

claim as new and desire to secure by Letters Patent:—

1. An attachment for a roll paper cutter, presenting a pair of clips adapted to be secured on the knife of said paper cutter, and a shoe pivotally attached to said clips and adapted to lie against the face of the roll, said shoe presenting an outwardly projecting apron adapted to dispose itself behind the knife.

2. An attachment for a paper roll cutter, comprising a pair of clips adapted to be secured on the knife of said paper cutter, a shoe pivotally attached to said clips and adapted to lie against the face of the roll, and a guard bar attached to said shoe and under which the web passes from said roll, said shoe having an outwardly projecting apron behind said knife.

3. In a roll paper cutter, in combination, a frame, a knife having arms pivotally mounted on said frame and a shoe pivotally connected with said knife and having a bar lying against the face of the roll whereby the cutting edge of said knife is maintained removed from the face of the roll, the arrangement being such that the web passes from the roll under said bar and under the edge of said knife.

4. In a paper roll cutter, in combination, a knife, means for supporting the same adjacent to the face of the roll, a shoe pivotally connected with said knife, adapted to rest against the face of the roll and maintaining said knife removed therefrom, and a guide bar attached to said shoe and under which the web passes to said knife.

5. In a paper roll cutter, in combination, a knife, means for supporting the same adjacent to the face of the roll, clips attached to said knife, a shoe having ears pivotally attached to said clips, and normally resting against the face of said roll, said shoe having a bent cheek inclined and lying substantially tangent to the face of said roll, said shoe further having an apron projecting outwardly, and a guide bar attached to said shoe and under which the web passes to said knife.

6. An attachment for a paper roll cutter, comprising a pair of clips adapted to be slipped over the extremities of the knife, means carried by one of said clips for rigidly attaching the same to said knife, and a shoe pivotally attached to said clips and engaging the face of the roll, said shoe affording means for holding the knife removed from said roll.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

FRANCIS H. MAASS.

Witnesses:

F. L. HOLLERAN,  
ELIZABETH LYONS.