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PATENTED AUG. 8, 1905.

E. C. ELDER.  
HOLDER FOR ROLL PAPER BINDER STRIPS.  
APPLICATION FILED OCT. 6, 1904.

Fig. 1.

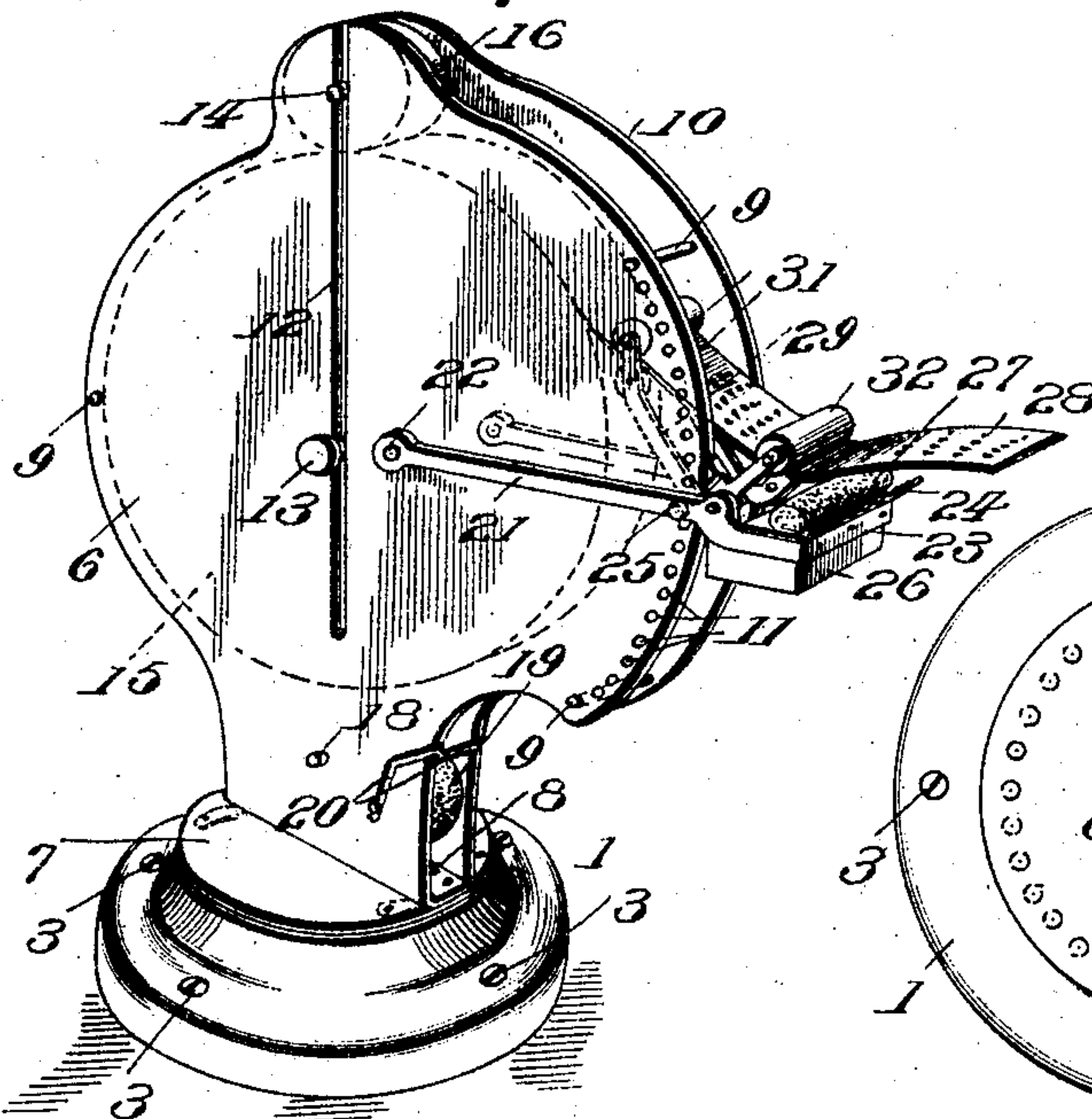


Fig. 4.

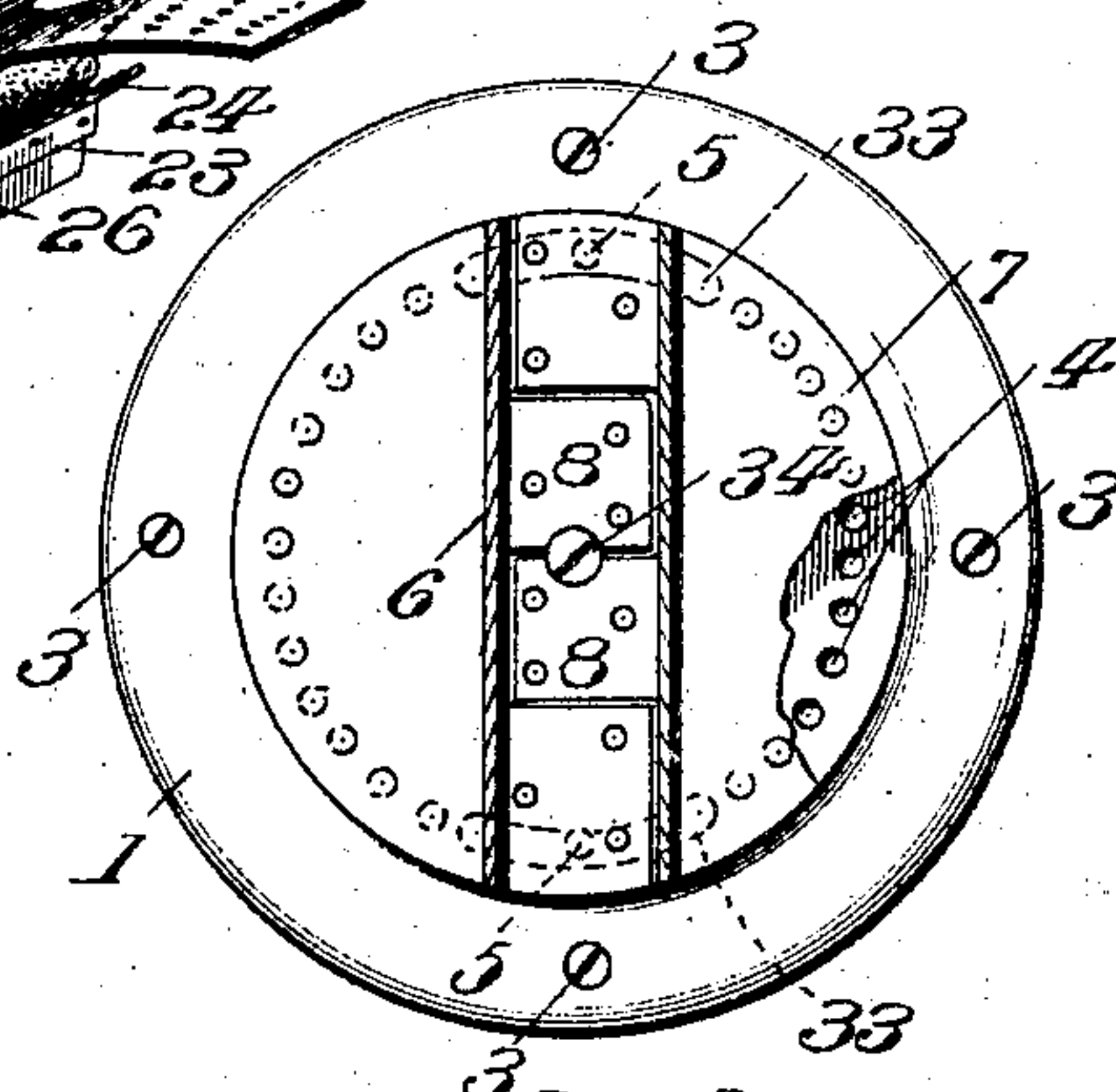


Fig. 2.

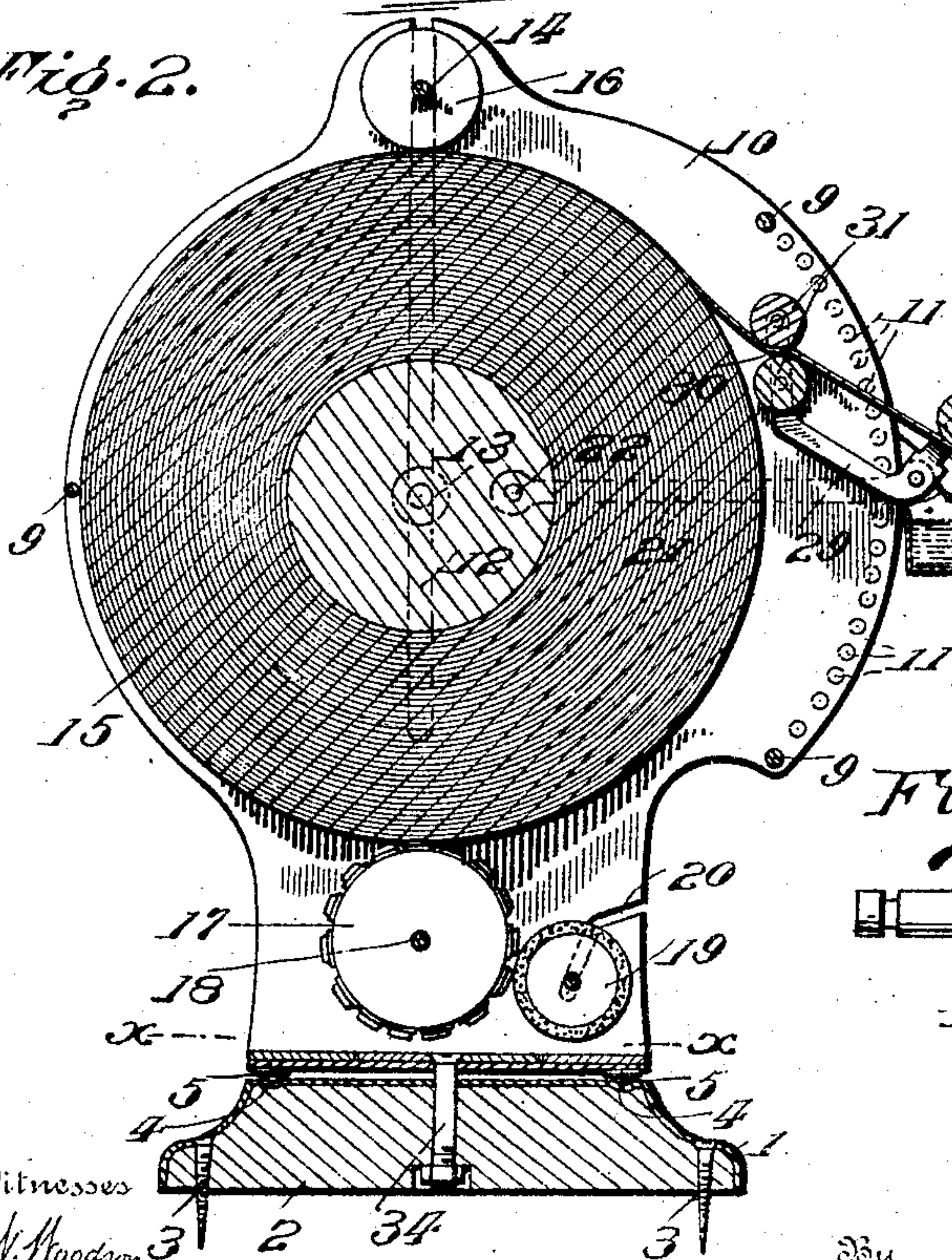


Fig. 3.

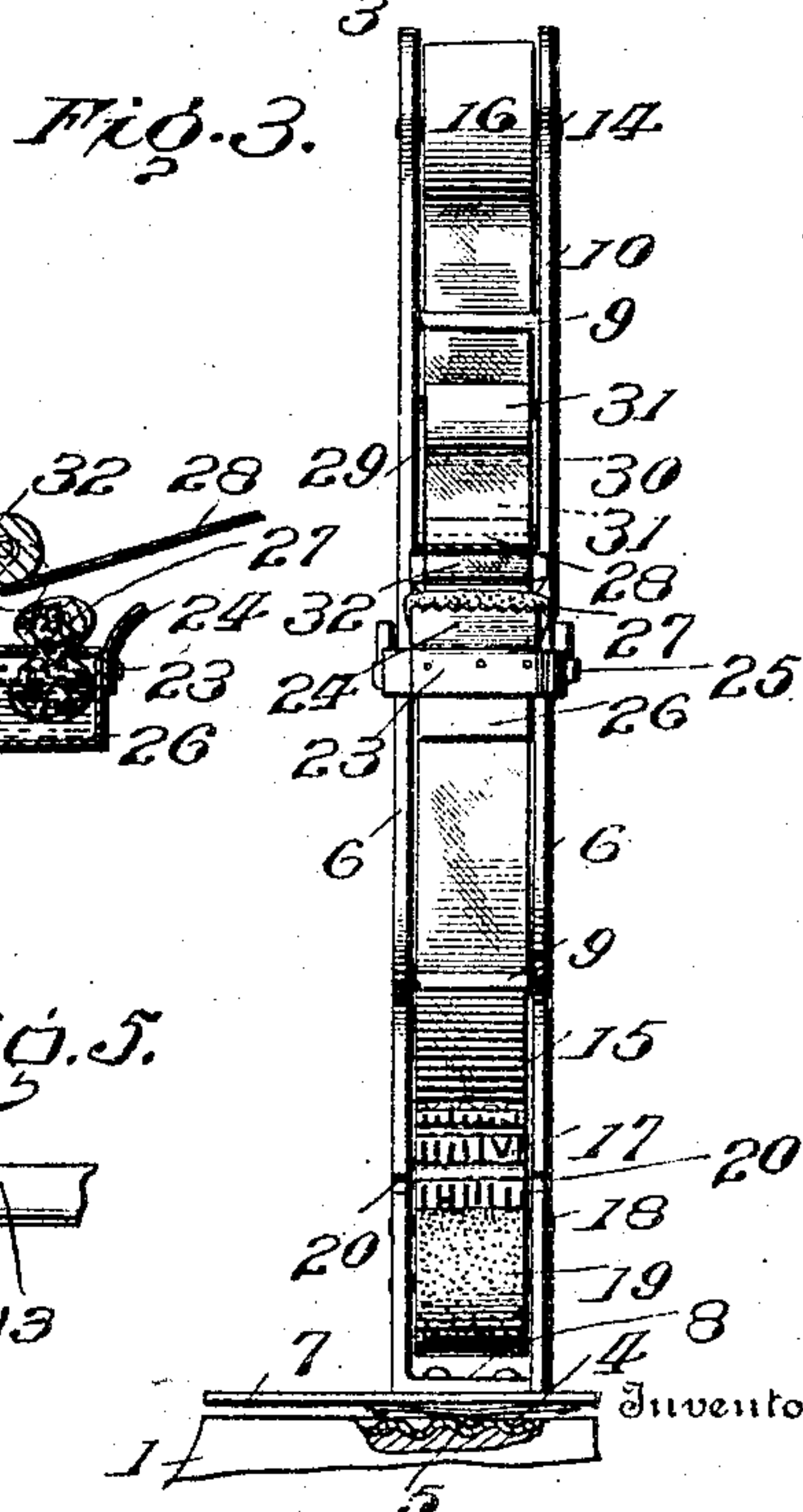
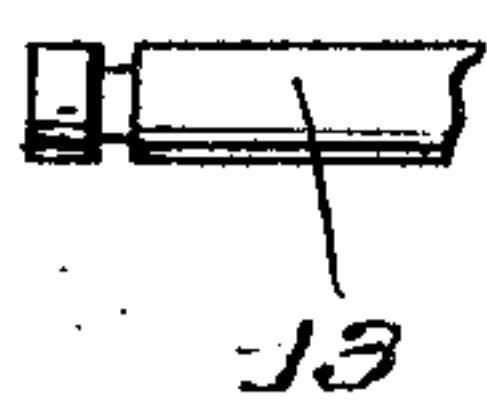


Fig. 5.



Witnesses  
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# UNITED STATES PATENT OFFICE.

EDWIN C. ELDER, OF HAMPTON, CANADA.

## HOLDER FOR ROLL-PAPER BINDER-STRIPS.

No. 796,505.

Specification of Letters Patent.

Patented Aug. 8, 1905.

Application filed October 6, 1904. Serial No. 227,498.

*To all whom it may concern:*

Be it known that I, EDWIN C. ELDER, a subject of the King of England, residing at Hampton, New Brunswick, Canada, have invented certain new and useful Improvements in Holders for Roll-Paper Binder-Strips, of which the following is a specification.

This invention relates to a holder for printing, moistening, and cutting gummed roll-paper strips intended for binding or securing paper-wrapped packages designed chiefly for use in stores or establishments requiring the doing up of many packages.

This invention provides a holder of the type and character aforesaid having an improved general structure and embodying a novel supporting means for the moistening and cutting means and having a unique fastening means for securing the movable parts in a predetermined position.

For a full description of the invention and the merits thereof and also to acquire a knowledge of the details of construction of the means for effecting the result reference is to be had to the following description and accompanying drawings.

While the invention may be adapted to different forms and conditions by changes in the structure and minor details without departing from the spirit or essential features thereof, still the preferred embodiment thereof is shown in the accompanying drawings, in which—

Figure 1 is a perspective view of a holder embodying the invention. Fig. 2 is a view thereof in elevation, the near side being omitted and the stand or base, the cutter, the moistener, and the guide-rollers being in section. Fig. 3 is a front view of the holder, a fragmentary portion of the base only being illustrated. Fig. 4 is a horizontal section on the line *xx* of Fig. 2. Fig. 5 is a detail view of an end portion of the axle supporting the roll-paper.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

The base or stand is preferably hollow and composed of pressed metal, as indicated at 1, the space being filled by a wooden block 2. The base is apertured to receive screws or like fastenings 3, by means of which it may be fastened to a counter, shelf, or other store-fixture. The top side of the base is formed

with a series of indentations 4 for coöperation with spring-actuated stops 5, so as to hold the upper part of the device in proper position.

The frame of the holder comprises side plates 6 and base-plate 7, extensions 8 at the lower edges of the plates being bent inward and secured by rivets or other fastenings to the base-plate, as indicated most clearly in Figs. 3 and 4. The plates 6 are disposed in parallel relation and are connected at intervals by means of tie rods or bolts 9. The plates are approximately of circular form and are provided at one side with an extension 10, in the outer edge portion of which a series of indentations or openings 11 are formed to hold the moistening, cutting, and guiding rollers in the located position, as will appear more fully hereinafter. A slot 12 is formed vertically in each plate 6 and passes through the center thereof and extends some distance below the center. The slots in the plates 6 are in transverse coincidence. The slots 12 receive the end portions of axles 13 and 14. The axle 13 has annular grooves near its extremities, forming reduced portions which enter the slots 12 and prevent any longitudinal play of the axle when in position. The axle 13 forms a support for the roll 15 of the gummed paper strip, which constitutes the binder for the package. The axle 14 supports an absorbent roll 16, which constitutes a blotter for taking up any surplus amount of ink. The slots 12 permit free movement of the axles 13 and 14, so that the rolls may adapt themselves to the decreasing diameter of the roll 15 as the binding-strip is drawn therefrom.

The printing-roll 17 is mounted upon a pin or support 18, having its end portions let into openings formed in the plates 6. The printing-roll is located below the paper-roll 15 and sustains the weight thereof, the latter being utilized to press the paper upon the type-surface so as to receive a clear impression. The inking-roller 19 is arranged to one side of the printing-roll and its journals are received in angling slots 20, formed in the plates 6 in transverse alinement. As the paper is drawn from the roll 15 the latter gravitates, thereby maintaining the outer portion of the strip in contact with the printing-roll, so as to receive the matter to be imprinted thereon. The angling slots 20 provide convenient means for removal of the inking-roller to enable the



same to be charged and provides convenient means for placing said roller in position after being inked.

Corresponding arms 21 are arranged upon opposite sides of the frame and are pivoted thereto at 22 and are connected at their outer ends by means of a cross-piece 23, which is projected upward and outward to form a cutter 24, which is preferably serrated or toothed. The arms 21, cross-piece 23, and cutter 24 are of integral formation and constitute parts of a single strip which is bent upon itself in the form substantially as illustrated. One or both arms are provided with a stop 25, which is adapted to cooperate with the series of indentations or openings 11, so as to hold the pivoted arms or support in the required position. While it is preferred to have the cutter 24 formed a part of the pivoted support, nevertheless it may be separate therefrom and attached thereto.

The moistening means consist of a box or receptacle 26, sustained by the projecting portion of the pivoted arms or support and absorbent material 27, arranged within said box or receptacle and thoroughly saturated with water. The absorbent material 27 preferably consists of sponge, and a portion thereof extends above the receptacle, so as to come in contact with the strip 28 and moisten the side thereof provided with gum, glue, or like adhesive material.

A frame 29 of approximately elbow form is pivotally connected to the arms or support 21 and comprises similar side members. The short arms of the pivoted frame 21 project outward and upward with reference to the main frame of the holder, and the long arms extend inward and upward and come between the extensions 10 of the side plates and terminate in upright extensions 30, which support a pair of guide-rollers 31. A guide-roller 32 is supported between the upper ends of the short arms. The guide-rollers 31 come close together, so as to grip the strip 28 between them, this being of advantage in order to cause a tilting of the pivoted frame 29 when drawing the strip from the roll 15, whereby the guide-roller 32 is moved downward, thereby bringing the gummed surface of the strip in contact with the moistener.

The stops 5 are formed, preferably, by pressing portions from metal strips 33, which are attached to the base-plate 7. These stops are adapted to enter corresponding indentations or openings of the circular series 4, so as to hold the frame in the desired position when turned about its pivotal connection 34 with the base or stand 1. The pivoted arms or supports 21 are held in the desired position by means of the stops 25 entering selected indentations or openings 11. After the roll of paper 15 is placed in position the strip 28 is passed between the guide-rollers 31 and beneath the guide-roller 32. When it is re-

quired to use a portion of the strip for binding a package, the loose end is grasped and drawn upon until the required length is obtained, after which a downward and sidewise pull upon the strip, with the latter resting upon the edge of the cutter 24, severs the part beyond said cutter. As the portion of the strip to be used is drawn from the roll 15 the gummed side is brought in contact with the moistener and when severed is in condition for immediate use, being printed and moistened.

Having thus described the invention, what is claimed as new is—

1. In a paper-holding device of the character described, the combination of a frame adapted to receive a roll of gummed paper, a moistener supported by said frame, a pivoted support of approximately elbow form, a pair of guide-rollers at the inner end of said pivoted frame to receive the strip between them, and a single guide-roller at the outer end of said pivoted frame, the parts being disposed to effect a tilting of the pivoted frame to insure bringing the gummed side of the strip in contact with the moistening device, substantially as set forth.

2. In a paper-holder of the character and for the purpose specified, the combination of a frame adapted to receive a roll of gummed paper, a moistener, a pivoted frame, a single roller at the outer end of said frame, and a pair of rollers at the inner end of said frame to grip the strip with sufficient force to cause a tilting of the pivoted frame when drawing a portion of the strip from the roll to cause the single roller to press the gummed side of the strip in contact with the moistening device, substantially as set forth.

3. In a paper-holder of the character described, the combination of a frame for receiving the roll of gummed paper, a support pivotally connected to the frame, a moistening device sustained by said support, and a frame pivotally connected to said pivoted support and provided at opposite ends with guide-rollers to give proper direction to the gummed strip and insure contact thereof with the moistener when drawn from the roller, substantially as set forth.

4. In a paper-holder of the character described, the combination of a frame adapted to receive a roll of gummed paper, a support pivotally connected to the frame and provided with the moistening, guiding and cutting devices, and cooperating means between said pivoted support and frame for holding the pivoted support in the required position, substantially as set forth.

5. In a paper-holder of the character described, the combination of a frame adapted to receive a roll of gummed paper, arms embracing opposite sides of the frame and pivoted at their inner ends thereto, a cross-bar connecting the outer ends of the arms and



cutter projected from the cross-bar, a moistening device supported by the outer or projecting ends of said arms, a support of approximately elbow form pivotally connected to the arms, a guide-roller at the outer ends of said pivoted support, and a pair of rollers at the inner end of said pivoted support to grip the gummed strip between them and insure tilting of the support to bring the gummed strip in contact with the moistening device, substantially as set forth.

6. In combination, a base having a circular series of indentations or openings in its upper side, a frame provided with a roll of paper and moistening and cutting devices, means pivotally connecting said frame to the base, and stops attached to the base portion of the frame and adapted to cooperate with the in-

dentations of the base to hold the frame in the required position, substantially as specified.

7. In combination, a base, a frame provided with a roll of gummed paper and with moistening and cutting devices, means pivotally connecting the frame with the base to admit of its readily adapting itself to the direction of pull when drawing the strip from the roll, and friction means between the frame and base to hold the frame in proper position.

In testimony whereof I affix my signature in presence of two witnesses.

EDWIN C. ELDER. [L. s.]

Witnesses:

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GEORGE G. WATT.