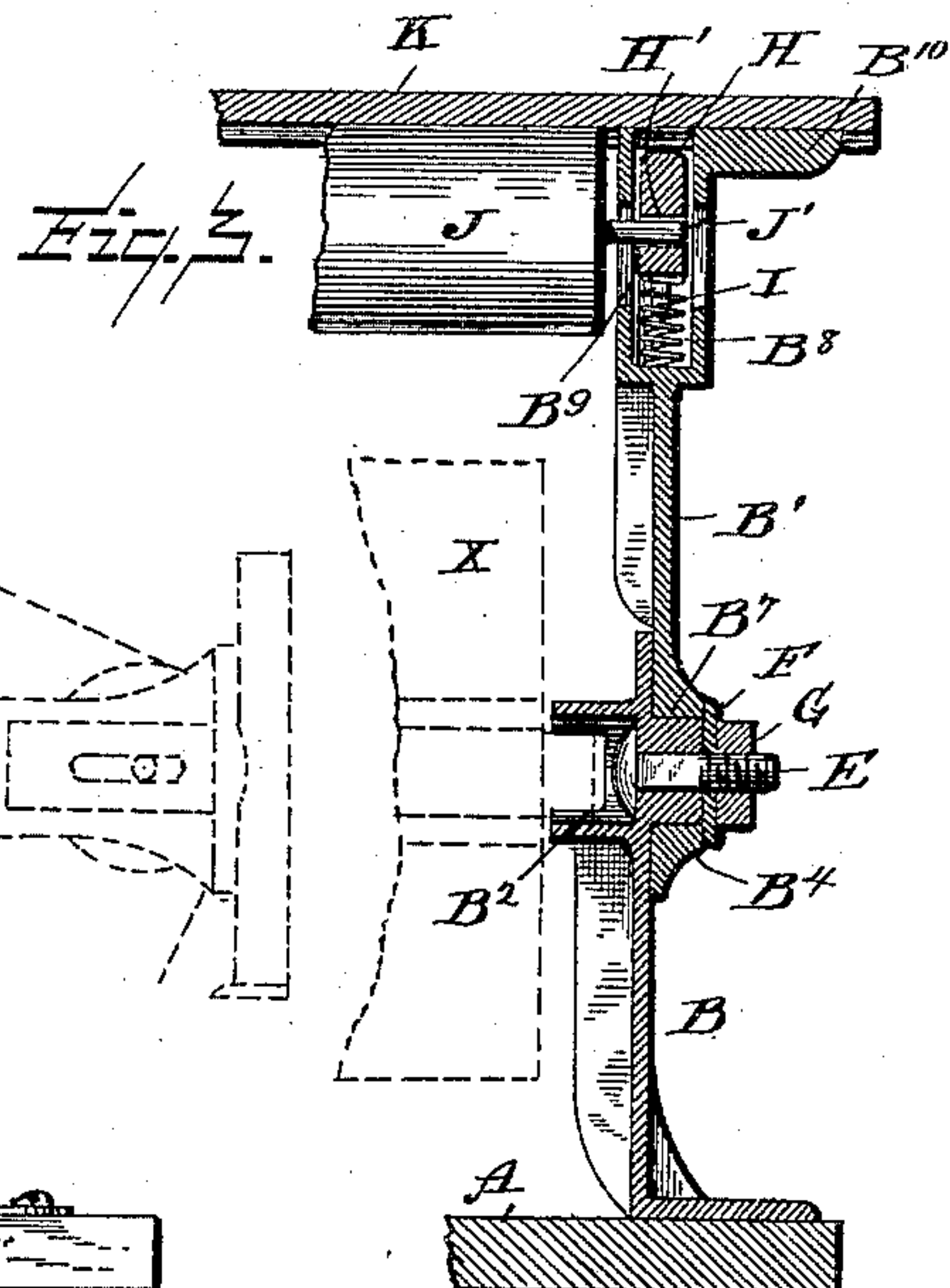
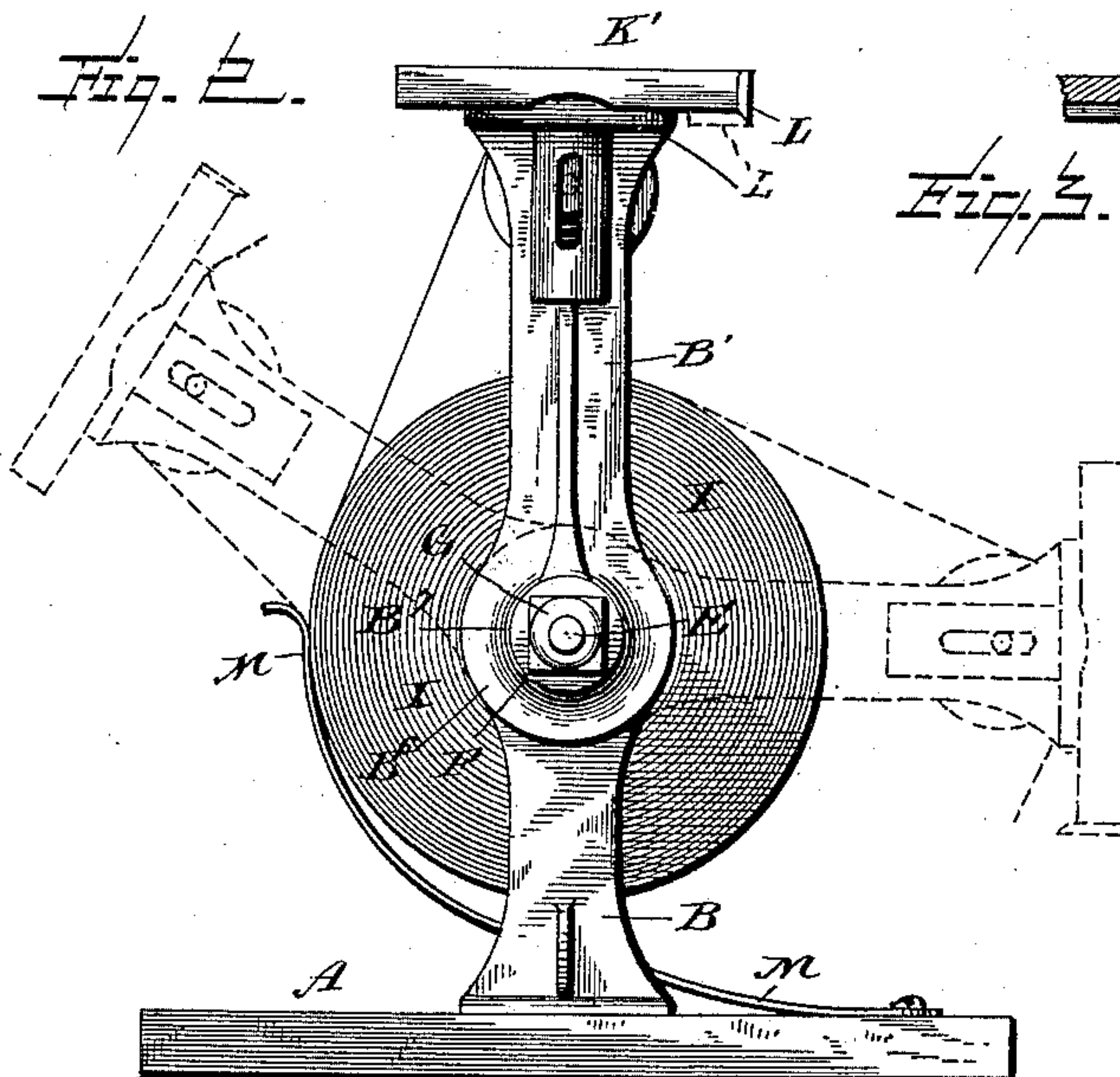
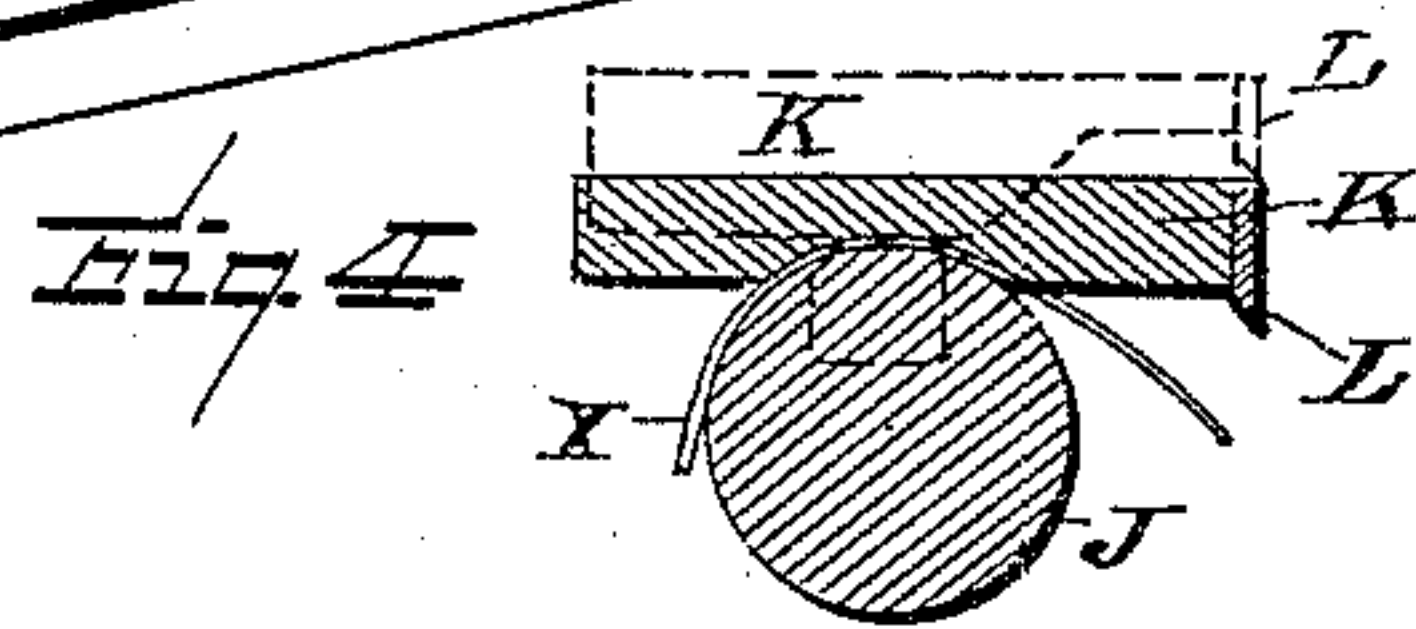
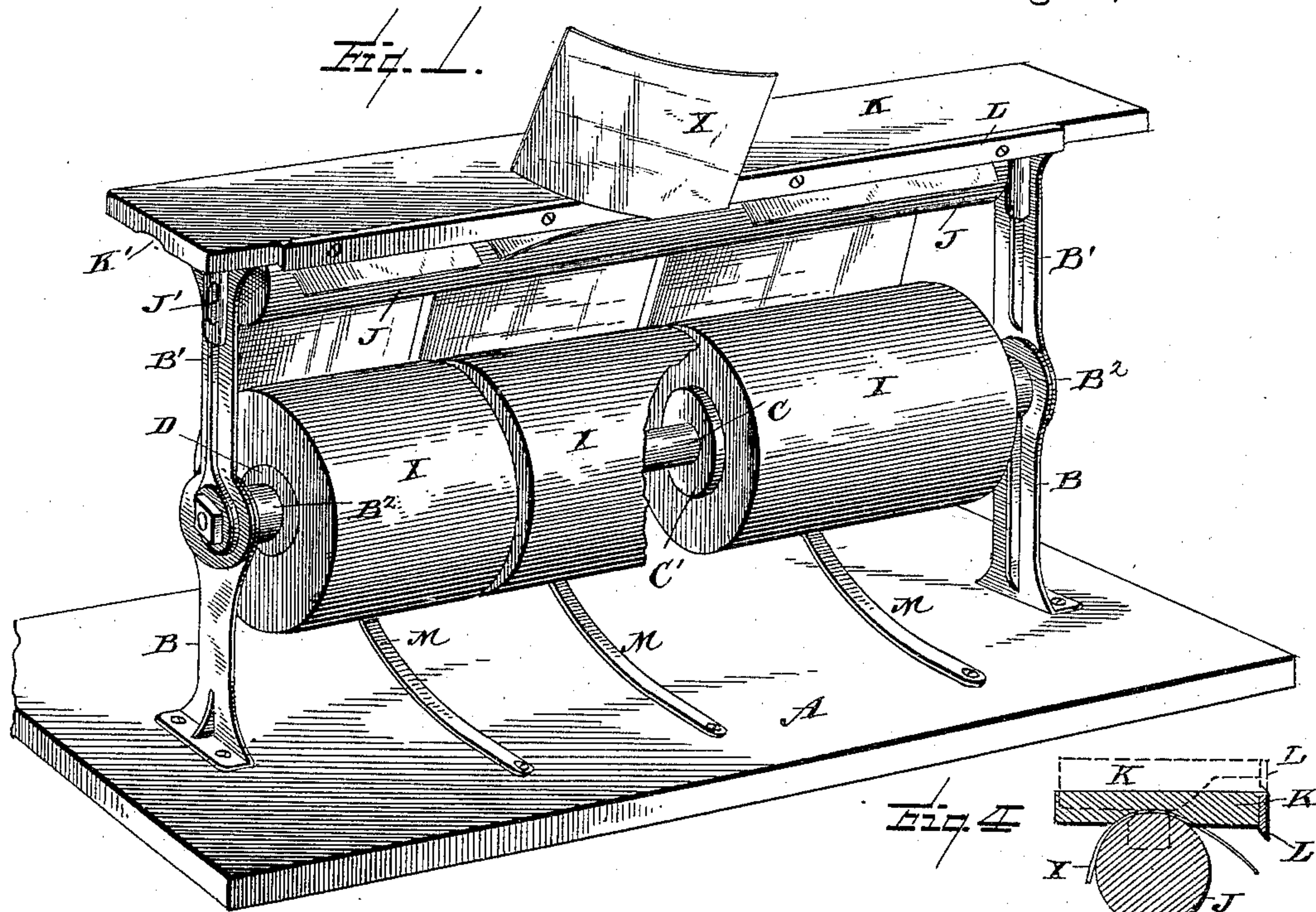


(No Model.)

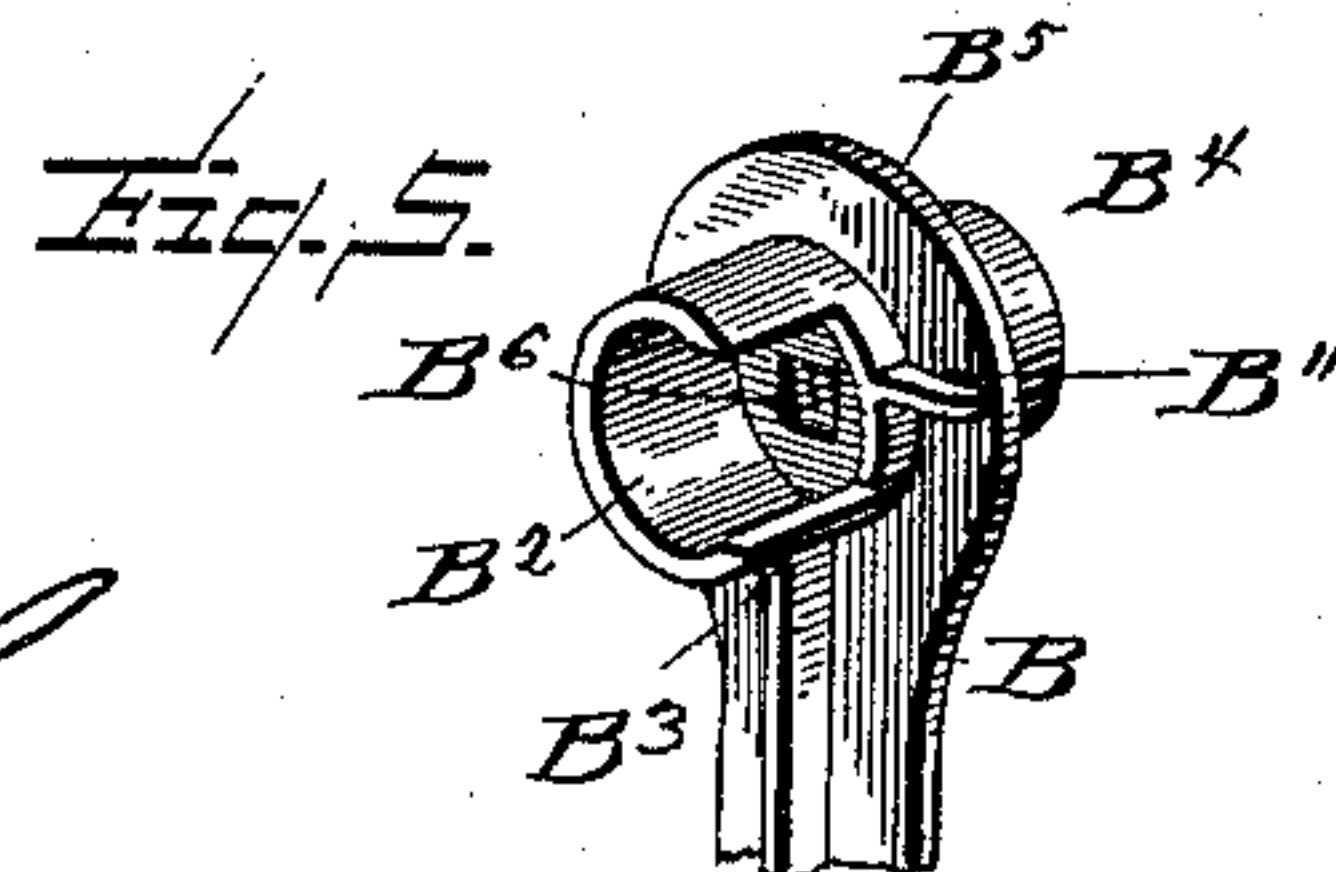
S. D. LOCKE.
PAPER HOLDER AND CUTTER.

No. 387,362.

Patented Aug. 7, 1888.



Witnesses.
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UNITED STATES PATENT OFFICE.

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PAPER HOLDER AND CUTTER.

SPECIFICATION forming part of Letters Patent No. 387,362, dated August 7, 1888.

Application filed March 24, 1888. Serial No. 268,399. (No model.)

To all whom it may concern:

Be it known that I, SYLVANUS D. LOCKE, a citizen of the United States, residing at Hoosick Falls, in the county of Rensselaer, State of New York, have invented certain new and useful Improvements in a Paper Holder and Cutter, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention has relation to a holder and cutter designed for the purpose of holding rolls of paper in a position to permit of separating sheets therefrom for wrapping or other purposes; and among the objects of the invention one is to provide a holder and cutter which
15 may be employed in connection with either single rolls or to hold several rolls of different sizes, both as to the width of the paper and as to the diameter of the roll, so that the holder
20 and cutter are well adapted to perform their functions, notwithstanding any variation in size of or quantity of paper in any of the rolls arranged thereon.

Another object of the invention is to so construct the holder that it may be either placed
25 upon or suspended from beneath a counter or supported on the wall, and so that in either of these positions the cutter may be presented in the most convenient manner for use.

30 Another object of the invention is to provide a means for directing the leading end of the web of paper away from the knife after each cut, so that it may be conveniently seized for a succeeding cut.

35 Other objects and advantages of the invention will appear in the following description, and the novel features thereof will be particularly pointed out in the claims.

Referring to the drawings, Figure 1 is a perspective of a roll-holder and cutter constructed
40 in accordance with my invention and represented as having three rolls of paper thereon. Fig. 2 is an end elevation. Fig. 3 is a central longitudinal vertical section of one of the standards. Fig. 4 is a transverse vertical section
45 of the upper cross-bar and guide, showing also by dotted lines a modification. Fig. 5 is a perspective of the upper end of a lower section of one of the standards.

50 Like letters refer to like parts in all of the figures.

Upon any suitable base, as A, are secured two standards, each formed of sections B B', the section B (see Fig. 5) of which terminates in a socket, B², having the peripheral opening B³ for the reception of any suitable shaft, as C, which serves the purpose of supporting
55 rolls of paper. At the opening B² there is a guide-rib, B¹¹, which facilitates the entrance of a shaft into the socket B². The rolls of paper are usually provided with core-blocks D, which are centrally bored for the reception of the shaft. When two or more rolls are mounted upon the shaft C, they are separated one from the other by a space block or collar, C'.
60

The socket B² projects inwardly from the standard B and is concentric with the hub B⁴, projecting outwardly from said standard and between the hub and socket the standard is fashioned into a broad bearing or clamping
65 face, B⁵. A square aperture, B⁶, is formed in the bottom of the socket B² and passes through the hub B⁴ for the reception and retention against rotation of the square-bodied bolt E, which serves to connect the sections B B' together, as hereinafter described. The section
70 B' is also provided with a broad bearing or clamping face, and is apertured, as at B⁷, to fit the hub B⁴ of the section B, on which it is pivoted or swings, as and for the purpose hereinafter described.
75

The washer F is interposed between the hub and a nut, G, on the bolt, so that by loosening the nut the upper section may be sprung upon the hub, so that the parts carried by the
80 two upper sections of the standards may be arranged in different positions with relation to the base, and retained in said position by tightening the nut. The friction of the clamping-faces of the joints of the standards may be maintained in such degree as to render the
85 change of position just mentioned without loosening and tightening of the nut; or said friction may be increased by tightening the nut, so as to prevent the displacement of the parts when once adjusted, in which case the sectional
90 standard B B' is substantially a rigid standard. The upper end of each of the sections B' is provided with a socket, B⁸, having at the inner side of the standard a longitudinal slot, B⁹. Within the socket is arranged a bearing-
95 block, H, and a coiled spring, I. The bear-

ing-block is apertured, as at H', for the reception and retention of the journal J' of the bar or roll J. The section B' terminates in a flange, B¹⁰, upon which is secured a cross-bar, K, which extends from one standard to the other of the holder. The cross-bar may be recessed, as at K', in substantial conformity to the surface of the roll J, varying, if at all, by being preferably larger in its curvature than the surface of the roll used in connection therewith; or the under surface of said bar K may be plain, as shown by dotted lines in Fig. 4, along the line of contact of the bar or roll J. On the cross-bar K is secured in any convenient manner and position a knife, L, extending from one standard to the other. Instead of being secured to the edge of the bar K, the knife may be secured on its under surface, as shown by dotted lines in Fig. 2. The variations in the surface of the bar K, as just described, accomplish an important function and purpose of the invention, in that they direct the leading end of the paper away from the knife after each sheet is cut therefrom, whereby it may be readily seized for the succeeding cut.

Although preferably shown as a roller, the guide J may be a simple bar. (Shown by dotted lines in Fig. 4.)

For each roll of paper in the holder there may be provided a tension device, which in this instance consists of a spring, M, secured to the base, and having bearing upon the roll X of paper preferably at a point about opposite the center of the roll-supporting shaft C, and also directly opposite the opening B³ into the socket B², so as to prevent the escape of the shaft therefrom.

By reference to dotted lines in Fig. 2 the adaptability of the holder for attachment to a counter or wall will be readily understood, in that when the base A is secured to the under surface of a counter or upon a wall the upper section, B', may be swung into different positions and locked with respect to the base, so as to bring the knife where it will be readily accessible and in the most convenient position for cutting sheets from the roll.

What I claim is—

1. A roll-holder having sectional standards provided with friction-faces or bearings and with means for clamping the same, and a rigidly-secured bar connecting the ends of the sections, substantially as specified.

2. A roll-holder having sectional standards, one section of each of which is provided with a shaft-receiving socket, a friction-face, and a hub, and the other of which is provided with a friction-face and adapted to swing or pivot upon the hub, and means, substantially as described, for clamping the sections together, substantially as specified.

3. A roll-holder provided with sectional standards, one section of each standard hav-

ing an inwardly-projecting socket provided with a shaft-receiving opening, a friction bearing or face, and an outwardly-projecting hub, a square aperture therethrough, and each of the other sections of the standards having friction bearings or faces, a cross-bar carrying a cutter, and means for clamping the sections of the standards together, substantially as specified.

4. In a roll-holder, the combination of a base, standards adapted to support a roll-shaft, a rigidly-mounted cross-bar, and a knife fixed to the cross-bar and extending from standard to standard, substantially as specified.

5. In a roll-holder, the combination of a base, sectional standards adapted to receive a roll-supporting shaft, a rigidly-mounted cross-bar, a knife rigidly secured to the cross-bar, and means for clamping the sections, substantially as specified.

6. In a roll holder and cutter, a base, standards adapted to receive a roll-supporting shaft, a cross-bar provided with a knife, and a guide, the surfaces of the guide and of the cross-bar being arranged to direct the leading end of the paper away from knife after each cut, substantially as specified.

7. In a roll-holder, a base, standards adapted to receive a roll-supporting shaft and to adjustably support a cross-bar, a knife fixed to the cross-bar, and a spring-pressed paper-guiding roller, substantially as specified.

8. In a roll-holder, a base, sectional standards adapted to receive a roll-supporting shaft, a rigidly-mounted cross-bar, a knife fixed to the cross-bar, and a paper-guide arranged adjacent to the cross-bar, substantially as specified.

9. In a roll-holder, a base, standards terminating at their upper ends in longitudinal slotted sockets, bearing-blocks and springs arranged in the sockets, and a guide-roller mounted in the bearing-blocks, substantially as specified.

10. In a roll-holder, the combination of a recessed cross-bar and a spring-seated guide-roller, substantially as specified.

11. In a roll-holder, a base, standards provided with shaft-receiving sockets having openings, and a spring arranged to bear against the roll at a point substantially opposite the openings in the shaft-receiving sockets, substantially as specified.

12. The section B, provided with a shaft-receiving socket, B², having the opening B³, and the guiding-rib B¹¹, substantially as specified.

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

SYLVANUS D. LOCKE.

Witnesses:

W. S. DUVALL,
L. C. HILLS.