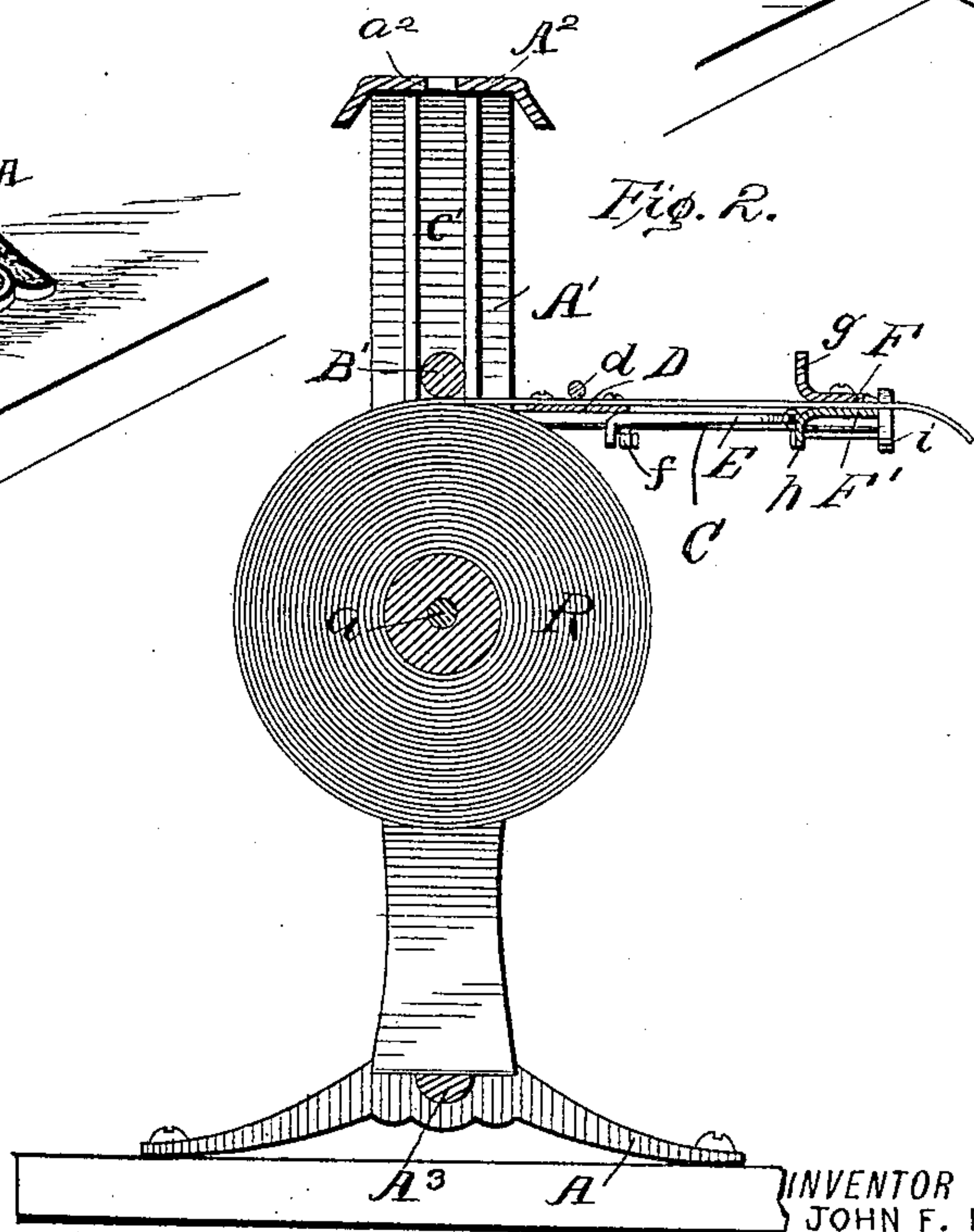
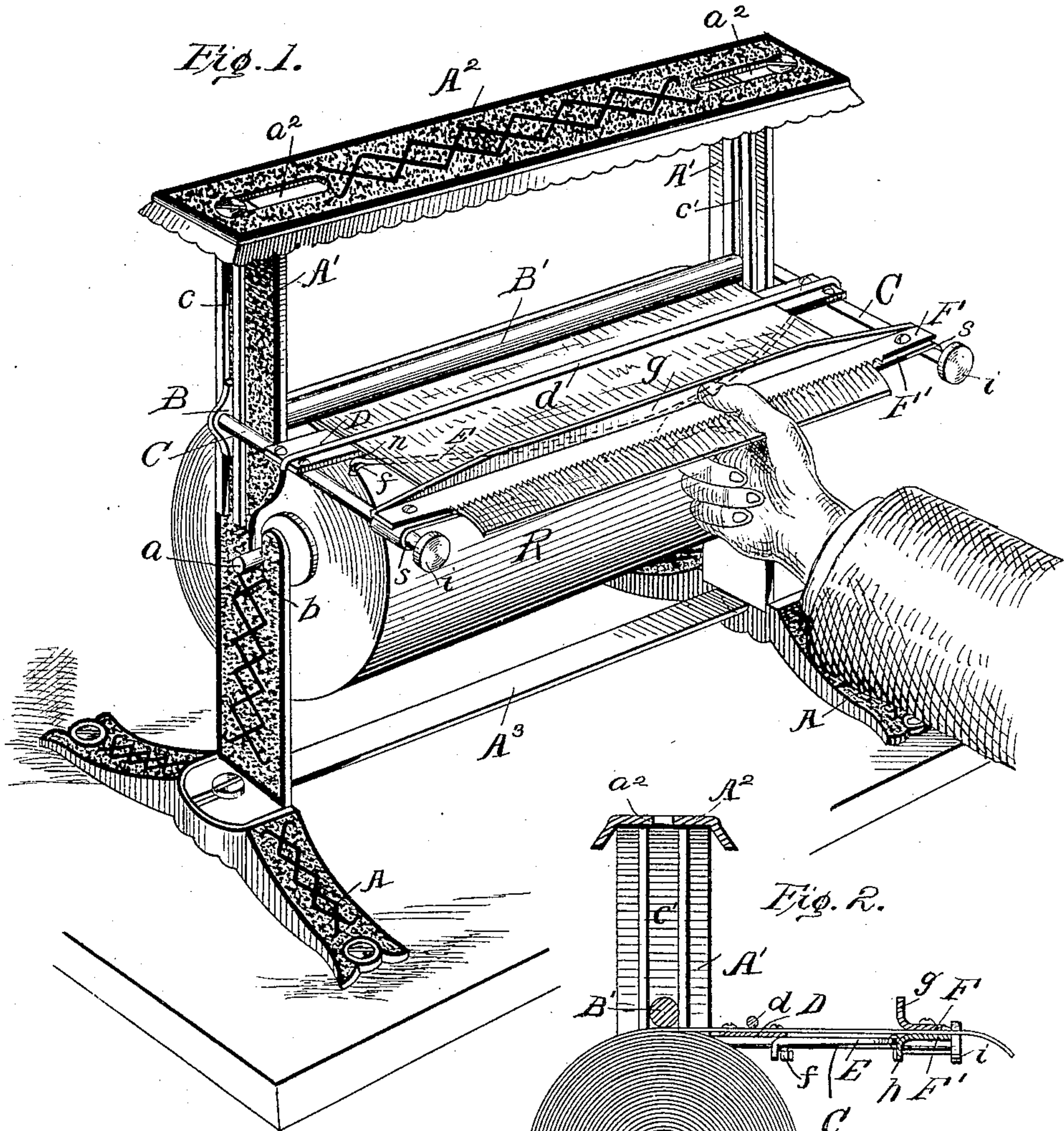


No. 814,598.

PATENTED MAR. 6, 1906.

J. F. FINAN.
ROLL PAPER HOLDER AND CUTTER.

APPLICATION FILED JUNE 17, 1905.



WITNESSES:

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JOHN F. FINAN, OF CUMBERLAND, MARYLAND.

ROLL-PAPER HOLDER AND CUTTER.

No. 814,598.

Specification of Letters Patent.

Patented March 6, 1906.

Application filed June 17, 1905. Serial No. 265,712.

To all whom it may concern:

Be it known that I, JOHN F. FINAN, a citizen of the United States, residing at Cumberland, in the county of Allegany and State of Maryland, have invented a new and useful Improvement in Roll-Paper Holders and Cutters, of which the following is a specification.

The invention is in the nature of a paper holder and cutter for holding upon a store-counter or elsewhere a roll of paper from which sheets of varying size may be cut off at will to suit the size of package to be put up.

My invention is an improvement upon the device for which I have already made application for a patent, filed December 3, 1904, Serial No. 235,345, and which was allowed April 8, 1905; and it consists in the novel construction and arrangement of parts, which I will now proceed to describe with reference to the drawings, in which—

Figure 1 is a perspective view of the device with a roll of paper in position, and Fig. 2 is a vertical cross-section.

In my present invention the framework is all made of cast metal.

In the drawings, A A represent two feet forming a base. A' A' are two upright standards mounted, respectively, on the two feet. A² is a cross-bar connecting the tops of the standards, and A³ is a cross-bar connecting the two feet.

The standards are formed with open-slotted bearings *a*, in which the spindle *b* of the core holding the roll of paper R is supported and revolves. These bearings have lateral outlets to facilitate the insertion of the spindle of the roll, as shown, or they may be constructed in any other convenient or desired manner.

In the outer face of each standard above the bearings of the roll of paper is formed a vertical channel *c*, in which slides a block B, which moves downwardly of its own weight in the channel *c* as the roll of paper decreases in size. B' is a round weighted bar, each end of which plays in a vertical channel *c'*, formed on the inner face of each standard. This bar rests on top of the roll of paper and acts as a light rotary brake on the roll and holds it from unwinding too fast and becoming puckered or creased.

In each block B is rigidly fixed the inner end of a horizontal arm C. These arms just outside the standards are connected together by a cross-bar D and a small rod *d*, located in middle position above the cross-bar, and

between which rod and the subjacent cross-bar D the sheet of paper is fed and kept in true plane as it passes outwardly to the cutters hereinafter described.

Along the outer edge of the cross-bar there is formed a downwardly-turned flange *f*, whose ends are notched at *n* to receive the ends of a bow-spring E. This bow-spring along its middle is attached to a yielding cutter-bar F F'. This cutter-bar is formed in two pieces, fastened together with a little space between them, through which the strip of paper passes to be torn off along the sharp edges. The upper section F of the cutter has a serrated front edge and an upturned flange *g*, and the lower section F' has along its inner edge a downturned flange *h*. These two flanges form a tapering throat into which the paper passes and have other functions besides. The downturned flange *h* forms a connecting edge for the bow-spring, and the upturned edge *g* forms a thumb-rest, as hereinafter described. The lower section F' of the cutter has its ends bent around to form sleeves *s*, which embrace the horizontal arms C C and slide freely on said arms, moving inwardly against the tension of the bow-spring and being retained against outward movement by heads *i*, formed on the ends of the arms.

The operation of my holder and cutter is as follows: The paper-roll being in place in its journal-bearings in the frame, the end of the paper is carried under the rolling bar B', which may be lifted for this purpose. The paper is then passed over the cross-bar D and under the rod *d* and is then entered into the tapering throat between the upper and lower sections of the cutter-bars F F' and when seized outside the cutter-bar may be torn off against the sharp edges of the bar by either an upward or downward movement. This tearing off of the paper leaves the paper edge flush with the edge of the cutter-bars, where it could not be grasped for pulling out a new section of paper. To provide for this, the cutter-bar is made to yield inwardly against the tension of the bow-spring, and to do this with the same hand which pulls out the paper the thumb is pressed against the flange of the upper section of the cutter-bar to force the cutter inwardly, the fingers being below the lower sections of the cutter-bar, as shown in Fig. 1. As the cutter-bar yields inwardly, the paper offers a free extension of its edge between the thumb and forefinger to allow it

to be grasped. The paper is then pulled out the desired distance, and a sheet of the required length is torn off by an upward or downward sweep of the paper against the sharp edge of the cutter-bar.

To enable a second roll or a series of rolls of different widths of paper to be held on the same stand, the upper cross-bar A^2 is formed with elongated slots a^2 a^2 through it, into which may be bolted the standards A' of a second roll-holder. In this way a series of roll-holders may be arranged one above the other on a single base below.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A roll-paper holder and cutter, comprising a pair of vertical standards having bearings for the roll of paper and formed with external vertical guides on their outer faces, separate sliding blocks arranged outside the standards and sliding in the guides, and horizontal arms fixed to said blocks and bearing yielding cutting devices substantially as described.

2. A roll-paper holder and cutter comprising a pair of vertical standards having bear-

ings for the roll of paper and formed with external vertical guides on their outer faces, and internal vertical guides on their inner faces, separate sliding blocks arranged outside the standards and sliding in the guides, horizontal arms fixed to said blocks and bearing yielding cutting devices, and a brake-rod arranged with its ends in the inside guides of the standards and resting upon the roll of paper as described.

3. A roll-paper holder comprising the two feet A A having cross-bar A^3 connecting them, the upright standards A' A' with bearings for the paper-roll and having inside and outside vertical guides, the slotted cross-bar A^2 connecting the tops of the standards, the separate blocks B sliding in the outside guides of the standards and having rigid arms carrying yielding cutting devices and a roller-brake rod B' having its ends arranged in the inside guides of the standards and resting upon the roll of paper substantially as described.

JOHN F. FINAN.

Witnesses:

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