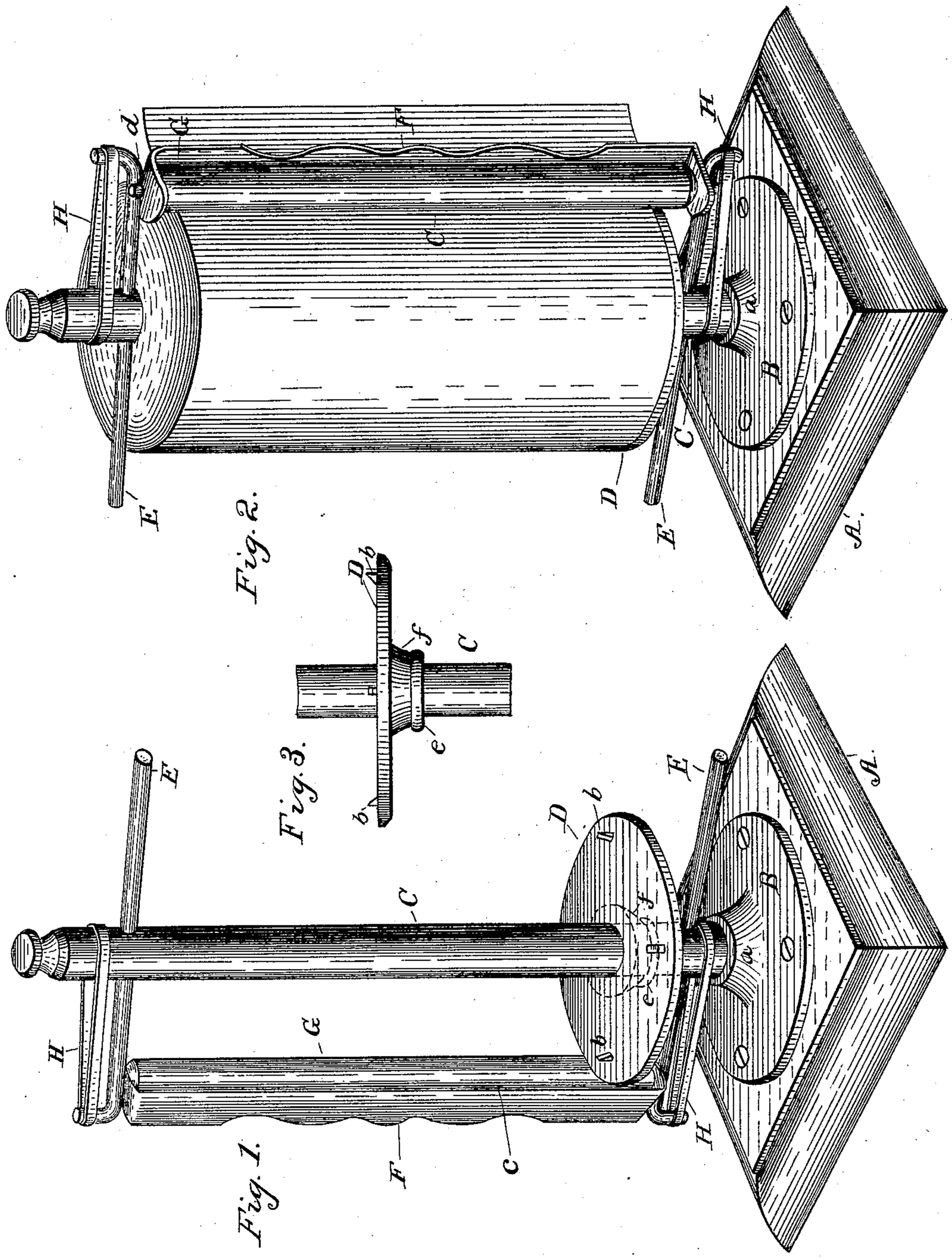
(No Model.)

W. H. BARTELS.

WRAPPING PAPER HOLDER AND CUTTER.

No. 390,942. Patented Oct. 9, 1888.



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WILLIAM HENRY BARTELS, OF CARTHAGE, ILLINOIS, ASSIGNOR OF ONE-HALF TO DWIGHT C. CUTLER, OF SAME PLACE.

WRAPPING-PAPER HOLDER AND CUTTER.

SPECIFICATION forming part of Letters Patent No. 390,942, dated October 9, 1888.

Application filed July 16, 1888. Serial No. 280,016. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM HENRY BARTELS, a citizen of the United States, residing at Carthage, in the county of Hancock and State of Illinois, have invented certain new and useful Improvements in Wrapping-Paper Holders and Cutters; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

In all the devices for holding rolls of paper to be used for wrapping purposes with which I am familiar the shaft or spindle on which the paper is placed is arranged horizontally, thus taking up a counter-space the width of the paper used—usually from twenty to thirty inches—and as the spindle is necessarily raised a considerable distance above the counter-top, in order to give the roll of paper ample space to operate, it becomes very unhandy to reach and cut off the paper as it is used, aside from the inconvenience attached to cutting it off horizontally.

Now it is the object of this invention to obviate the objectionable features in paper holders or reels above enumerated and provide a simple and durable device of few parts, which will occupy the same amount of counter-space, whatever the diameter of the roll of paper used—not more than ten inches; and it consists of the parts and combinations of parts hereinafter described and claimed.

In the accompanying drawings, forming a part of this specification, Figure 1 is a perspective view of my improved device; Fig. 2, a like view showing a roll of paper in position thereon, and Fig. 3 a detail view.

Similar letters refer to similar parts throughout all the views.

A represents the foundation or foot-block of my device, which may be of wood or metal, and, if desired, secured to the top of a store-counter, or merely rest thereon. Suitably secured to the upper surface of said block is a base-plate, B, preferably of metal, to the center of which is secured an upright spindle or shaft, C. If found desirable, these two last-named parts may be cast together; or the raised central portion, *a*, of the base-plate may be provided with a screw-threaded perforation or recess, and the end of spindle C be screw-threaded and inserted therein. At a short distance above the base-plate a collar, *e*, is formed on the spindle, as indicated by dotted lines in Fig. 1 and in full lines in Fig. 3, on which rests the flange *f* of a plate or disk of metal, D, from the upper surface of which projects small wedge-shaped teeth *b*, arranged at regular intervals apart on the line of a circle having its axis as the center of the disk. Although I show but one line of teeth, there may be, if desired, two or more such lines on shorter circles. Below the disk D, at a point a short distance above the plate B, the spindle is perforated, as it is also a short distance below its upper end, to receive the horizontal arms E of the upright cutting-blade F. The blade F is sharpened on one edge, as at *c*, and the ends of the same are bent at right angles and perforated to receive the trunnions *d* of the upright pressure-roller G, which work easily in said perforations. The arms E, near one end, are secured rigidly to the bent ends of the cutting-blade, to one side of the perforation therein, and are bent at right angles.

H represents bands of rubber, which pass around the spindle at its upper and lower ends, and around the bent ends of arms E, in order to draw said arms and their attachments inward toward the spindle.

Rubber is used because of its low cost, as compared to metallic springs, and its easy and inexpensive replacement when necessary.

In order to place the roll of paper in position, the upper band of rubber is taken off and the lower band removed from the end of the arm E, and the arms drawn out of the perforations in the spindle, carrying with them the blade and roller. The roll of paper is then placed on the spindle and settles on the disk D, the wedge-shaped teeth *b* entering between the folds of the paper to retain it in position and prevent its slipping on the disk when the end of the roll is drawn out. The ends of the arms are then placed in the perforations in the spindle and the rubber bands hooked over their bent ends, as shown, thus drawing the roller up close against the paper, the end of which is passed through between the roller and the body of the roll of paper. As clearly shown, the blade is arranged at an acute an-

gle to the roll of paper, thus presenting its cutting-edge in the best position to cut the paper when it is drawn against it, the roller holding the end of the roll of paper after it is cut, ready to be again drawn out, and rotates with the roll of paper, as does also the disk D.

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

1. The combination, in a paper holder and cutter, of the foot-block, the base-plate secured thereto, the upright spindle having the collar and provided with a perforation near each end projecting from said plate, the disk provided with teeth resting on said collar, the upright cutting-blade having the bent and perforated ends, the arms having bent ends rigidly secured to said blade, the upright roller journaled in the ends of said blade, and the rubber bands passing around the bent ends of the arms and over the spindle, substantially as described.

2. The combination, in a paper holder and cutter, of the foot-block, an upright spindle secured thereto and having perforations formed in its ends, a disk having teeth loosely mounted on said spindle, an upright cutting-blade arranged with its cutting-edge at an acute angle to the disk, the arms rigidly secured to said blade, and the rubber bands connecting the spindle and cutting-blade, substantially as described.

3. The combination, in a paper holder and cutter, of a suitable base-plate, an upright spindle projecting therefrom and having perforations near its ends, a disk loosely mounted on said spindle, a cutting-blade having bent ends, the arms having bent ends rigidly secured to the bent ends of the blade, and the rubber bands adapted to retain the blade in cutting proximity to the paper on the spindle, substantially as described.

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

WILLIAM HENRY BARTELS.

Witnesses:

WILL. C. HAMILTON,

DWIGHT C. CUTLER.