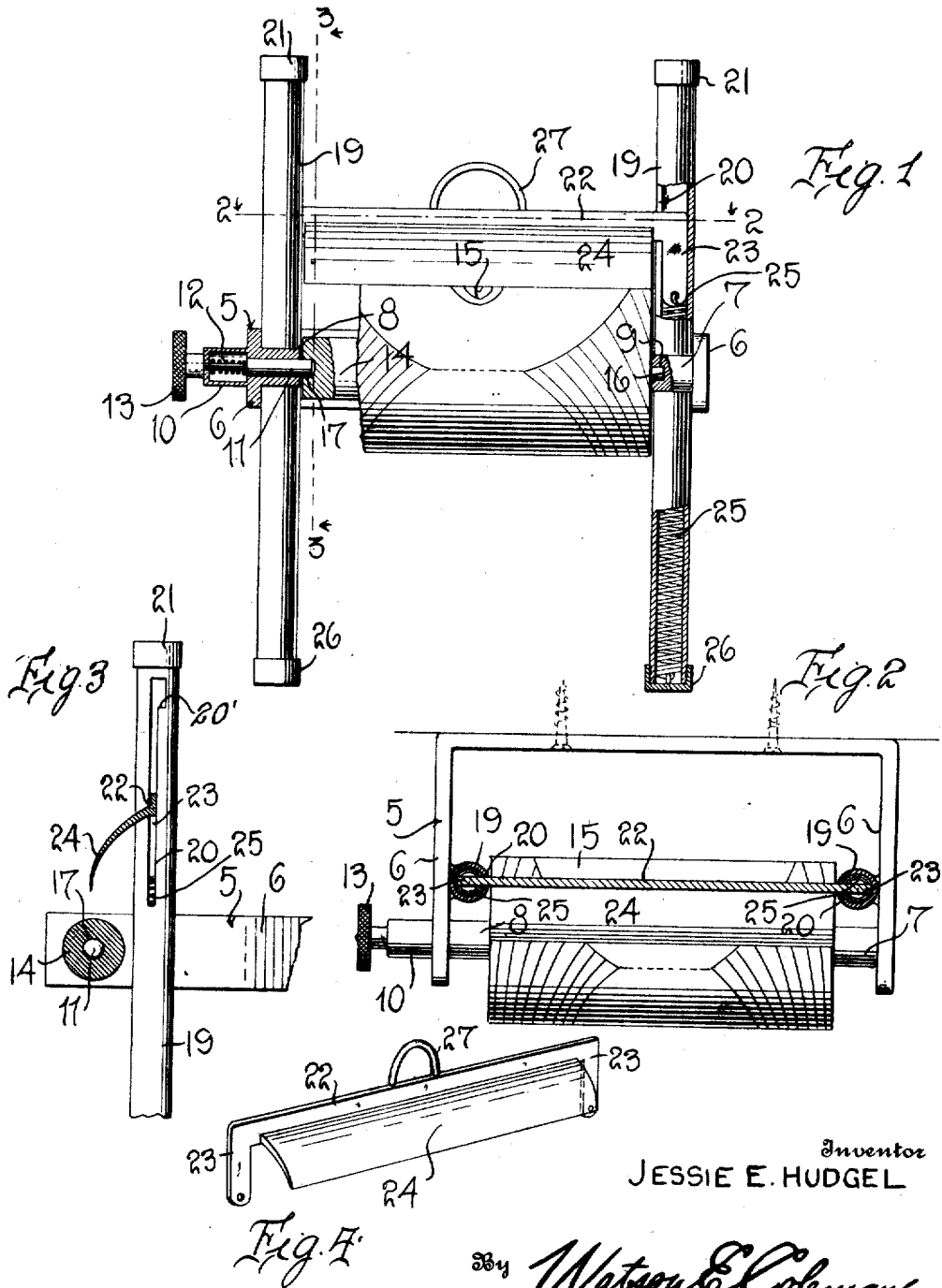


J. E. HUDGEL.
 PAPER CUTTER ATTACHMENT FOR PAPER ROLL HOLDERS.
 APPLICATION FILED APR. 3, 1916.

1,208,968.

Patented Dec. 19, 1916.



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JESSIE E. HUDGEL, OF SLOAN, IOWA.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JESSIE E. HUDGEL, a citizen of the United States, residing at Sloan, in the county of Woodbury and State of Iowa, have invented certain new and useful Improvements in Paper-Roll Holders, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to an improved paper cutter attachment for paper roll holders of that character shown and described in my prior Patent, No. 1,153,389, issued to me September 14, 1915.

It is the primary purpose of the present invention to provide a simple, serviceable and convenient attachment of the above character normally engaged upon the paper roll to hold the same against rotation, but which may be readily displaced to free the paper roll so that the paper can be withdrawn therefrom and cut off or detached from the roll.

It is another and more particular object of the invention to provide a frame or support for the paper roll, including hollow tubular members between which the paper roll is mounted, a cutter plate having its ends slidably engaged in said tubular members, springs arranged in said members and connected to the ends of the cutter plate and also connected to caps engaged upon the lower ends of said tubular members.

It is a further general object of the invention to provide a device for the above purpose, which may be easily and quickly adjusted when it is desired to remove or replace the paper roll and which also increases the convenience and serviceability of such devices.

With the above and other objects in view, my invention consists in the novel features of construction, combination and arrangement of parts to be hereinafter more fully described, claimed and illustrated in the accompanying drawing, in which,

Figure 1 is a front elevation, partly in section of a paper roll holder provided with my improved cutting attachment; Fig. 2 is a horizontal section taken on the line 2-2 of Fig. 1; Fig. 3 is a vertical section taken on the line 3-3 of Fig. 1; and Fig. 4 is a detail perspective view of the paper cutting plate.

Referring in detail to the drawing, 5 designates a substantially U-shaped metal

frame bar, the medial portion of which is provided with openings to receive suitable fastening screws, whereby said bar may be securely attached to a wall or other structure. The parallel arms 6 of said frame bar are provided with the laterally projecting cylindrical bosses or extensions 7 and 8 respectively, on their extremities. These cylindrical bosses project inwardly from the respective arms and the boss 7 is provided with a socket 9 in its end face. Upon the other of the frame arms, a horizontally disposed, outwardly projecting, tubular arm or extension 10 is formed. The boss 8 is longitudinally bored to receive the sliding pin 11, said pin having a reduced portion extending through the hollow projection 10 on the frame arm. A coiled spring 12 surrounds this reduced portion of the pin and bears at one of its ends against the outer end of the extension 10 and at its opposite end against the relatively large end portion of the pin. A suitable head or finger piece 13 is fixed to the end of the pin 11 which projects beyond the extension 10 of the frame.

14 designates a metal core rod upon which the paper roll, indicated at 15, is adapted to be engaged. Upon one end of this core rod, an axially projecting stud 16 is formed for engagement in the socket 9 of the tubular boss 7. The other end of the core rod is formed with a central socket or recess 17 to receive the inner end of the pin 12. In the accompanying drawing, I have illustrated the paper roll 15 as consisting of a multiplicity of toilet seat shields, though it will, of course, be understood that the device may be used in connection with rolls of paper to be employed for various purposes.

To the inner face of each of the arms 6 of the frame bar 5, a vertically disposed, tubular rod or post 19 is soldered or otherwise securely fixed. The wall of each of these tubular posts is provided upon its inner side with a longitudinally extending slot 20, the upper end of which is formed with an enlargement on one side which provides a shoulder 20' therein. Suitable ornamental caps 21 are threaded or otherwise applied to the upper ends of the post 19.

The paper cutter is formed from a single metal plate having a vertically disposed edge portion 22, the ends of which are formed with the narrow extensions 23 disposed through the slots 20 on the respective

rods or posts 19 for vertical movement in said hollow posts. From the lower edge of the vertical portion 22 of the plate, said plate is extended laterally and curved, as at 24, and bears at its edge upon the paper roll 15. A coil spring 25 is disposed in each of the hollow posts 19 and has its upper end fixed to the finger or extension 23 of the cutter plate which is engaged in said post. The lower end of the spring is attached to a cap 26, and said spring, by its contractile action, acts to hold said cap upon the lower end of the hollow post. The vertically disposed portion 22 of the cutter plate is centrally provided with a finger loop 27, whereby said cutter plate may be raised against the action of the springs 25.

From the foregoing description, taken in connection with the accompanying drawing, the construction and manner of use of the device will be clearly understood. When it is desired to arrange the paper roll in the frame, the cutter plate is lifted by means of the loop 27; and the ends of the vertical portion 22 of said plate, contiguous to the fingers or extensions 23, are shifted into the enlarged upper ends of said slots and engaged upon the shoulders 20'. Thus, the cutter plate will be retained in its raised position against the action of the springs 25. The rod 11 is now pulled outwardly by means of the finger piece 13 and the pin disengaged from the end of the core rod so that this end of the core rod may be forced downwardly, and the stud 9 on the opposite end thereof disengaged from its seat in the boss 7. A new roll of paper may now be arranged upon the core rod and said core again mounted in the frame. The paper cutter plate is now released so that the springs 25 will draw the same downwardly and hold the cutting edge of said plate upon the surface of the paper roll. The paper may be withdrawn from the roll by first lifting the cutter plate slightly and then withdrawing the desired amount of paper. The plate is then released and the paper which has been withdrawn is cut off along the edge of said plate.

From the above, it will be seen that I have produced a very simply constructed and serviceable paper cutter attachment for holders of toilet paper rolls, or analogous paper holders, and which will not add materially to the manufacturing cost of such

devices. By mounting the cutter plate in the manner above referred to, the same may be very easily and quickly adjusted when it is necessary to apply a new roll of paper. The several parts of the device may be nickel finished or provided with any other desired ornamentation. It is also manifest that the invention is susceptible of considerable modification in the form, proportion and arrangement of the various elements and I, therefore, reserve the privilege of adopting all such legitimate changes as may be fairly embodied within the spirit and scope of the invention as claimed.

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

1. The combination with a frame and means for mounting a paper roll therein, of spaced tubular rods fixed in said frame and each having a longitudinal slot in its inner side, a cutter plate arranged in parallel relation to the roll between said rods and having a projection on each end disposed through the slot in one of the rods, a spring arranged within each rod and connected to the projection of the cutter plate at its upper end, and a cap detachably threaded upon the tubular rod to which the lower end of the spring is connected and by which it is held upon the lower end of the tubular rod.

2. The combination with a frame and means for mounting a paper roll therein, of spaced tubular rods fixed in said frame and each having a slot in its inner side and a shoulder at the upper end of said slot, a cutter plate arranged in parallel relation to the roll between said rods and having a vertical edge portion engaged at its ends through the slots in said rods, and coil springs arranged in the tubular rods and connected to the ends of the plate to yieldingly hold the cutting edge of the plate upon the paper roll, said cutter plate being adapted to be raised to an inoperative position against the action of said springs and the ends thereof engaged upon the shoulders at the upper ends of the slots in said rods.

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

JESSIE E. HUDGEL.

Witnesses:

J. L. MAXWELL,
M. J. HALLINAN.