

Dec. 6, 1927.

1,651,867

O. R. BOYNTON
TOILET PAPER HOLDER

Filed Aug. 16, 1926

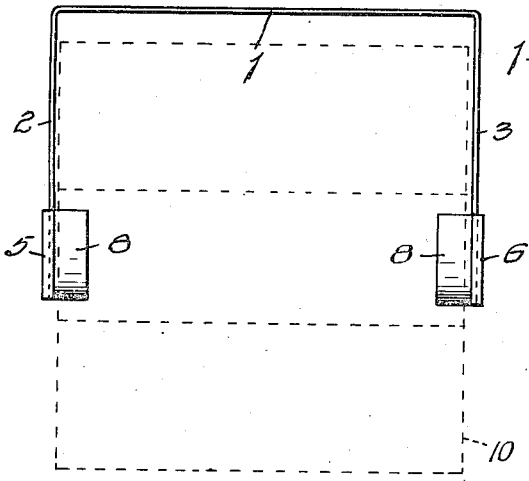


Fig. 1.

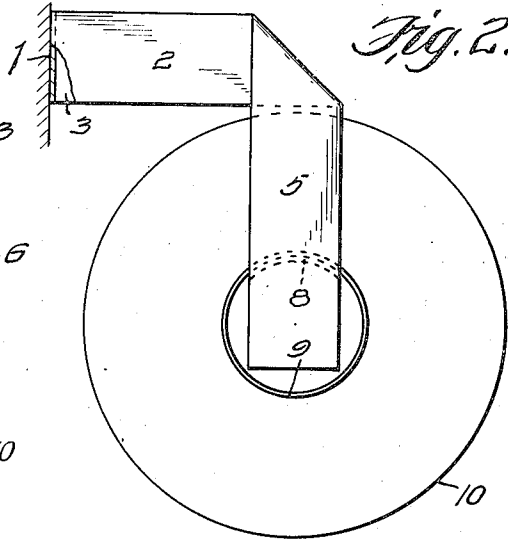


Fig. 2.

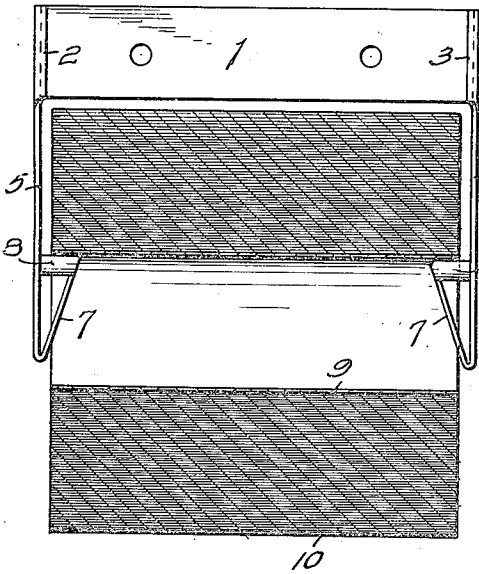


Fig. 3.

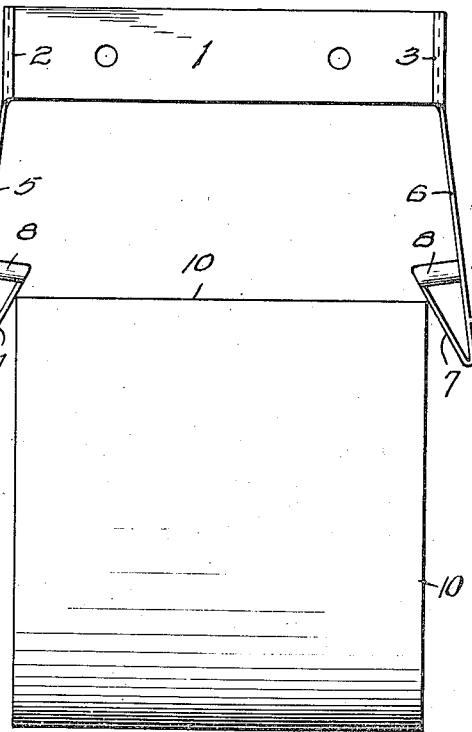


Fig. 4.

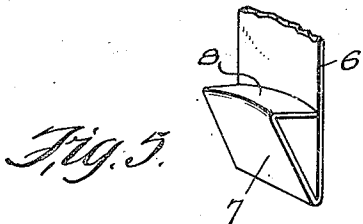


Fig. 5.

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UNITED STATES PATENT OFFICE.

OLIVER B. BOYNTON, OF ST. LOUIS, MISSOURI.

TOILET-PAPER HOLDER.

Application filed August 16, 1926. Serial No. 129,377.

My invention relates to toilet paper holders, especially designed for holding rolls of toilet paper, and it is a distinct and practical improvement to overcome certain practical objections to, and defects in the present types of toilet paper holders.

The object of my present invention is the provision of a holder having means that can be readily and quickly sprung apart by the ends of the roll when applying a roll to the holder, or for removing the roll therefrom.

A further object of the invention is the provision of roll supporting means which can be gradually sprung apart by the ends of the roll by merely forcing the roll upwardly between the supporting means.

A still further object of the invention is the provision of a paper roll made from a single piece of flat strip material having its roll supporting ends provided with inclined planes terminating in outwardly directed arc shaped surfaces to provide bearings for the ends of the paper cylinder of the toilet paper roll to rotate upon.

A further object of the invention is the provision of a toilet paper holder which possesses advantages in points of simplicity and efficiency, and, at the same time proves itself comparatively inexpensive in cost of manufacture.

With the above and other objects in view, the invention consists in the novel features of construction, arrangement and combination of parts hereinafter more fully described and finally pointed out in the claims hereto appended.

Referring to the accompanying drawings forming a part of this specification, wherein like characters of reference denote similar parts throughout the several views:

Fig. 1, is a top plan view of a holder embodying the features of my invention with a roll of toilet paper shown in dotted lines supported thereby.

Fig. 2, is a side elevation thereof.

Fig. 3, is a front elevation of the holder with a roll of paper being applied thereto from the bottom thereof.

Fig. 4, is a front elevation of the holder showing a toilet paper roll supported thereby.

Fig. 5, is a detail in perspective of one of the supporting arms of the holder.

In carrying out the aim of my present invention, I employ a yoke shaped element formed from a single piece of more or less

resilient metallic flat strip stock and said element includes an intermediate portion 1, a pair of opposed forwardly directed arm portions 2 and 3, which are a continuation of the ends of the intermediate portion 1.

The arm portions 2 and 3 are bent at their forward ends at a forty-five degree angle, as at 4, and directed downwardly at a right angle to the arms 2 and 3 to provide the vertically disposed arm portions 5 and 6, which arm portions 2 and 5, and 3 and 6, form angle shaped arms for the holder.

The lower or free end of each arm portion 5 and 6 is bent inwardly and upwardly at acute angles to provide the inclined planes 7 and then the upper or free ends of the inclined plane portions 7 are bent outwardly and curved upwardly to provide arc shaped bearings 8 for the ends of the paper cylinder 9 of the toilet paper roll 10 to rotate upon.

As will be apparent from Fig. 3 of the drawings, the upright arm portions 5 and 6 up to the angular connections with the arm portions 2 and 3 are capable of being sprung apart by the ends of a paper roll coming in contact with the inclined planes 7 when inserting the roll upon the bottom of the holder. The arm portions 5 and 6 will return to their normal positions just as soon as the end of the paper cylinder 9 of the roll registers with the arc shaped bearings which will permit the bearings to enter the ends of the paper cylinder, as is manifest, so that the roll of paper can rotate thereon when withdrawing the paper from the roll.

The many advantages of the herein described invention will readily suggest themselves to those skilled in the art to which it appertains.

I do not wish to be understood as having limited myself to the exact details of construction shown and described, but desire to have it understood that the invention I have shown in the drawings is merely illustrative, as it is manifest that various minor changes may be made in the exact construction and particular arrangement of parts without departing from the spirit of my invention, hence I reserve the right to make any such changes, or modifications as may fairly fall within the scope of the appended claims when fairly construed.

What I claim is:

1. A roll paper holder comprising a U-shaped member, a pair of right angular

shaped resilient arms depending from the ends of the U-shaped member and each arm having its lower free end bent inwardly and upwardly to provide inclined planes terminating at the upper ends in arc shaped paper roll supports.

2. A roll paper holder comprising, an intermediate base portion terminating at its ends in forwardly directed arm portions, said arm portions being bent at their forward ends at a right angle thereto and directed downwardly, to provide expansible depending arms, said depending arms being bent inwardly and upwardly at their lower ends to provide inclined planes which terminate at their upper ends in outwardly directed arc shaped members for the ends of the cylindrical core of a toilet paper roll to rotate upon.

3. A paper roll holder comprising, an intermediate base portion for attachment to a support, arms extending forwardly from the ends of said intermediate base portion, the forward ends of said arms being bent and directed downwardly at a right angle thereto, the lower ends of said downwardly directed arms terminating in inclined members to permit the arms to be sprung apart by the ends of a roll of paper being forced upwardly between the inclined members and arc shaped members terminating from said inclined members for a roll of paper to rotate upon.

Signed in the city of St. Louis and State of Missouri, this 30th day of July A. D. 1926.

OLIVER R. BOYNTON.