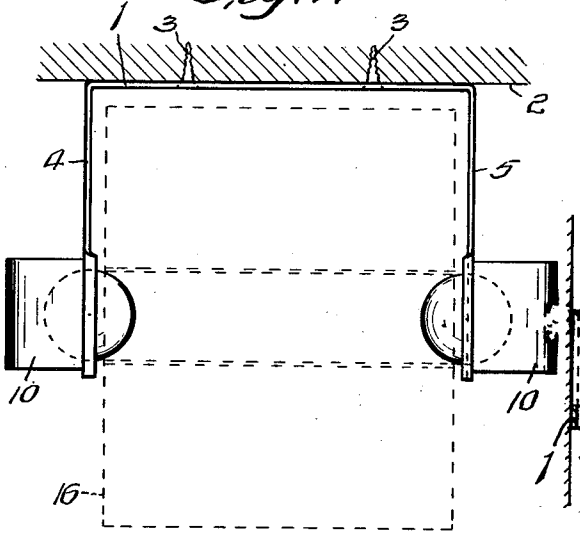
April 19, 1927. 1,625,190

O. R. BOYNTON

TOILET PAPER ROLL HOLDER

Filed Aug. 16, 1926

Fig. 1.



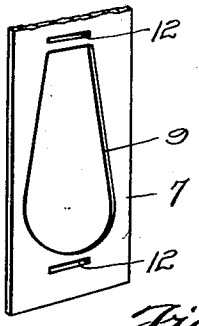




Fig. 4.

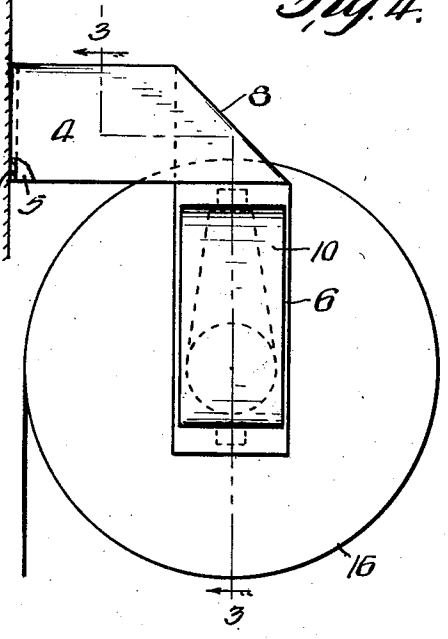
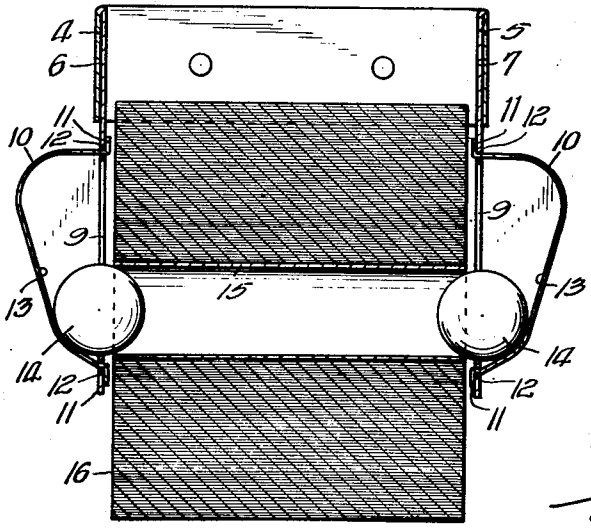



Fig. 2.

Fig. 3.



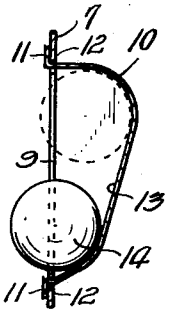




Fig. 5.

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# UNITED STATES PATENT OFFICE.

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

## TOILET-PAPER-ROLL HOLDER.

Application filed August 16, 1926. Serial No. 129,376.

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

The object of my present invention is the provision of a simple style of holder including bearing means that can be readily and quickly raised, or elevated by the ends of a roll of toilet paper when applying a roll to the holder, or when removing the roll therefrom and which bearing means will, when elevated to a predetermined position, fall by gravity and partially enter the ends of the tubular core upon which the paper is wound as the roll is gradually lowered to its normal position, said bearing means acting as pintles for the roll of paper to be revolved upon as the paper is withdrawn from the roll.

A further object of the invention is the provision of spherical bearings retained in housings having inclined planes which will permit the bearings to partly protrude through slotted openings in the walls thereof when in their normal or lowermost positions in the housings and to permit their complete withdrawal into the upper ends of the housing when positioning a paper roll in the holder.

A further object of the invention is the provision of a toilet paper roll 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 paper holder embodying the features of my invention.

Fig. 2, is a side elevation thereof.

Fig. 3, is a vertical sectional view of the holder taken on line 3—3 of Fig. 2.

Fig. 4, is a detail showing the inverted V-shaped opening in one of the arm extensions.

Fig. 5, is a detail showing one of the spherical bearings in its lowermost position in full lines and in its uppermost position in dotted lines.

In carrying out the aim of my present invention, I employ a yoke-shaped bracket member formed from a single piece of flat metallic strip stock and said bracket member includes an intermediate base member 1 for attachment to a wall 2 by means of fastening devices 3, a pair of forwardly directed arm portions 4 and 5 which are a continuation with the ends of the intermediate portion 1 and the downwardly directed arm extensions 6 and 7. The arm extensions 6 and 7 are continuations with the forward ends of the arm portions 4 and 5 and are formed by bending the arms of the yoke shaped member at a forty-five degree angle, as at 8. The lower end portions of the downwardly directed arm extensions 6 and 7 are each provided with an inverted V-shaped slotted opening 9.

A housing member 10 is secured to the outer face of each downwardly directed arm extension 6 and 7 by means of a pair of bent fastening lips 11 which pass through openings 12 in the arm extensions 6 and 7. Each housing member 10 is provided with an upwardly and outwardly directed outer wall to provide each housing with the inclined plane 13 spaced from the V-shaped opening in each arm extension. A suitable spherical bearing member 14 is carried within each housing member 10 and when in their lowermost positions project through the inverted V-shaped openings nearly half of their diameters, and when in their uppermost positions they are withdrawn from the inverted V-shaped openings and disposed within the upper ends of the housing members 10 due to their climbing up the inclined planes 13 caused by the insertion of a roll of paper upwardly between the the arm extensions 6 and 7.

When the tubular core 15 of a roll of toilet paper 16 has reached an elevation to register with the spherical bearing 14 in their uppermost position, the operator gradually lowers the roll and the spherical bearings 14 will gradually slide down the inclined planes 13 and insert themselves in the ends of the tubular core as the bearings 14 pass through the inverted V-shaped openings of the downwardly directed arm extensions 6 and 7 in their downward movement.

It will be here observed that the spherical bearings 14 provide means for the paper roll

to revolve upon when withdrawing 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 yoke shaped element including an intermediate portion and a pair of right angular shaped arms each provided with a vertically disposed slotted opening wider at the lower end than at the upper end, a housing member having an inclined outer wall and a spherical bearing member carried within each housing partly protruding the slotted openings when in their lowermost positions and upon which a paper roll is revolubly supported.

2. A roll paper holder comprising a bracket member having angularly shaped arms provided with opposed vertically disposed inverted V-shaped slots therein and bearing means movably supported by said arms and projecting partly through said slots toward each other upon which a roll of paper is revolubly supported.

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

OLIVER R. BOYNTON.