



## UNITED STATES PATENT OFFICE.

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## PAPER HOLDER.

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My invention relates to improvements in devices for conveniently and safely holding rolls of paper, such for example as toilet paper, paper toweling, and other paper in rolls. Devices of this character are used not only in private but also in public and semi-public places, and it is desirable to have the paper held so that it can be conveniently unrolled in small quantities at a time, but it is also desirable to have the paper held in such a manner that the whole roll cannot be conveniently removed, and unless this is done, there are many people who will remove the whole roll from the holder and carry it away. On the other hand elaborate locking mechanisms are not suitable for this purpose, as they are inconvenient and also expensive. My invention is intended to meet this difficulty by producing a very simple, substantial, and convenient means of holding the paper in the conventional or preferred way, so that it can be conveniently used, and at the same time afford a lock which will secure the roll in place in such a manner that it cannot be removed except with so much difficulty that a person would not go to the pains required to remove it, in view of its little value.

Further, my invention is intended to produce a lock which when the paper is removed, or substantially so, can be unlocked without a key, to the end that a new roll may be put in the place of that which has been used. My invention is further intended to produce an article which can be made attractive in appearance and which will permit the paper holding member to swing freely either up or down, or to rotate around its support, to the end that the paper may be easily placed upon it, and also to construct the device so that when the paper roll and its holder are brought to position for use, the holder will automatically lock. These and other advantages will appear from the following description.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar reference characters indicate corresponding parts in all the views.

Figure 1 is a broken plan view of the device with one of the supporting posts and a part of the lock in section, and

Figure 2 is a front view partly in section, of the device.

The fixture as a whole is provided with

suitable supporting posts 10 and 11, which can be made of any appropriate design, but which preferably have nearly globular or at least rounded heads 10<sup>a</sup> and 11<sup>a</sup>, and these while making a pretty design, also assist the proper functioning of the parts, as will appear below. The posts can be secured to an adjacent support in any convenient way, but I have shown particularly at the left hand in Figure 1, a way which I generally employ. In this case a plug 12 is held in the hollow 13 of the post, and is connected by a screw 14 with a plate 14<sup>a</sup> recessed in the base of the post and secured by screws to the support. The plug 12 has a tapered head 15 and the tapering side is engaged by a screw 16 extending through the wall of the post. This is simply a preferred way of attachment, and other attaching means can be used without affecting the invention.

Extending outward through the post is a member 17 which is substantial and acts as a pintle on which the paper holding member is hinged. This pintle 17 may be secured in any convenient way, and as illustrated it is held nicely and securely by a screw 18 which extends from the chamber 13 into the body of the pintle, while a suitable washer 19 is placed between the head of the screw and the end wall of the chamber 13. Rigid on the outer end of the pintle 17 is a cross-bar 20 which carries the paper support, and thus this cross-bar and the parts carried thereby, together with the head 10<sup>a</sup> and pintle 17, turn freely together because of the fact that the head 10<sup>a</sup> is jointed to the post 10 as shown at 21.

The outer end portion of the cross-bar or rod 20 is reduced as shown at 20<sup>a</sup> leaving a shoulder 21', and the rod carries a conventional paper holder 22 which is tapered at one end as shown at 23 so that a roll of paper can be wedged upon it and securely held. It is customary to have the movement of the holder 22 limited so that as it turns, a section of paper may be torn off when it stops. This feature is not claimed here, but is shown because this form of holder proper is best adapted to my purposes. The movement of the part 22 is limited in any usual or preferred way, and it turns in one direction by the tension on the paper, and is returned to normal position by a spring 24 which is coiled in the hollow end of the member 22 and connects at one end with the member 22 and at the other end with

the shaft 20. A limiting collar 25 is also used to prevent endwise movement of the member 22 on the shaft 20.

At the free end of the member 22 is a slide bolt 26 which has an enlarged inner end 27 sliding freely on the reduced end 20<sup>a</sup> of the rod or bar 20, this enlarged end terminating in a shoulder 28 which engages the inner wall of the free end of the member 22 so that the endwise movement of the bolt 26 is limited in one direction by the shoulder 20', and in the other by the shoulder 28. The bolt 26 is normally pressed out by a spring 30 contained in the hollow 29 of the bolt, and arranged between the end of the rod 20 and the outer wall of the bolt 26. This outer or end wall is rounded exteriorly as shown at 31, and the bolt engages a socket or hole 32 in the inner side of the head 11<sup>a</sup> which is rigid on the post 11. Thus it will be seen that because of its rounded contour, the end of the bolt 26 will when the bolt is swung into locking position, connect with the rounded surface of the head 11<sup>a</sup> and easily slip into place.

When the roll of paper is pushed upon the holder or member 22 as shown by dotted lines in Figure 1, it will cover the bolt 26, or at least the inner end of it, so that it cannot be reached by any usual means, and therefore the roll is prevented from being feloniously or mischievously removed, but after it is placed on the member, the latter may be swung either up or down, and the bolt will automatically lock. Then when the paper is removed, or substantially so, a person can grasp the inner end 27 of the bolt, push the bolt back against the tension of its spring 30, and so unlock the holder preparatory to placing another roll thereon.

I claim:—

1. A paper holder comprising a pair of posts having rounded outer head portions one of which has a socket and the other of which is held to turn on the body of the post, a pintle held in the second mentioned post and extending into the aforesaid turning head, and a paper holding member entering the turning head and connecting with the pintle, said member having slidably mounted in its free end a slide bolt to enter the aforesaid socket.

2. A paper holder comprising a pair of rigid posts in spaced relation, one post having a rounded head with a socket in one side thereof, and the second post being hollow with a rounded head swivelled thereon, a pintle concealed in the hollow post and entering the swivelled head, a shaft entering the swivelled head and secured on the pintle, a paper holding member rotatably supported on the shaft, and a slide bolt on the free end of said paper holding member to enter the socket of the first post.

3. A paper holder comprising a pair of rigid posts in spaced relation having complementary heads at their outer ends, the first post having a socket in the head, and the second post being hollow, a pintle secured in the hollow of the second post and carrying the head of said post, a paper holding member carried by the head of the second post, and a slide bolt at the free end of the paper holding member to enter the socket of the first post.

In testimony whereof, I have signed my name to this specification this 25th day of July, 1925.

JOSEPH A. HOEGGER.