

Oct. 21, 1930.

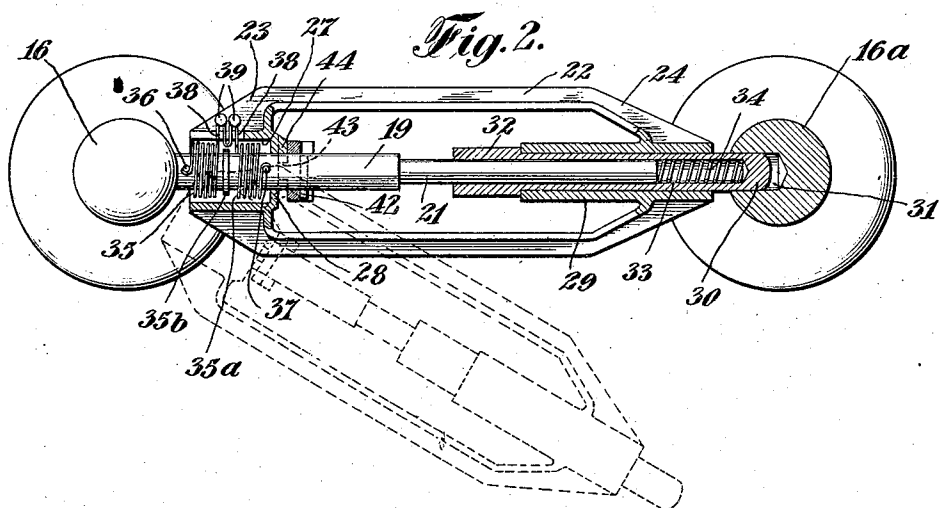
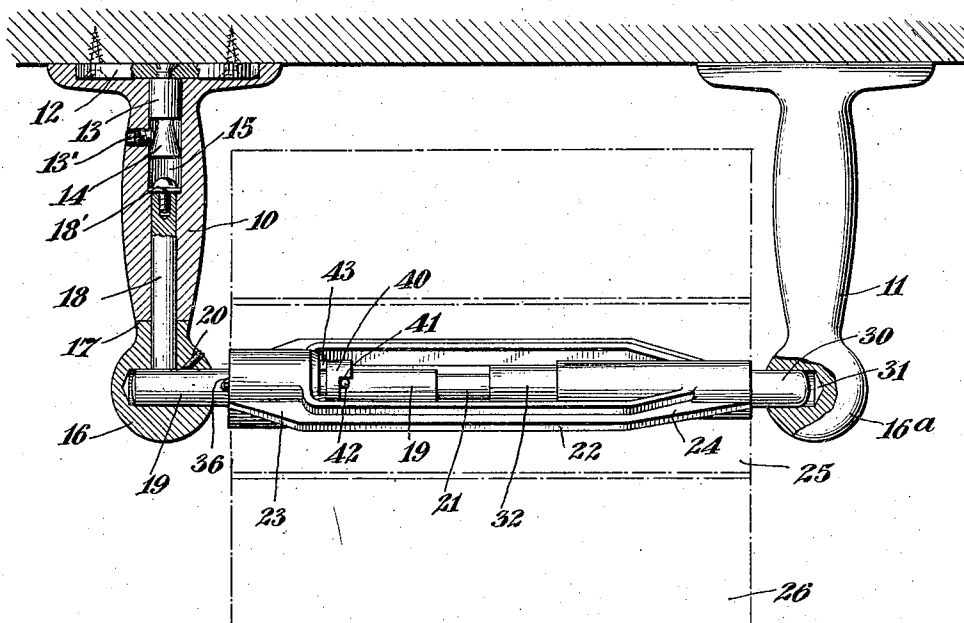
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HOLDER FOR ROLLED PAPER

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*Fig. 1.*



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HOLDER FOR ROLLED PAPER

Application filed September 24, 1925. Serial No. 58,351.

My invention relates to improvements in holders for paper which comes in rolls, such, for example, as toilet paper, paper toweling, or wrapping paper. The invention is useful for holding any paper which comes in rolled form, and which, as unrolled, permits a limited quantity to be released and torn off.

Where such holders are used in public or semi-public places, it often happens that the whole roll is removed from its holder and stolen, and one object of my invention is to improve the means for preventing this, although I use substantially the structure shown in my application for Letters Patent of the United States Serial No. 46,625 filed July 28, 1925, for this purpose the present arrangement being an improvement over the prior device.

The principal object of this invention is to produce a structure which is simple, which has means for easily applying or moving the roll, which locks automatically, and more especially to provide means whereby the paper roll can be turned to a limited extent in either direction. This is an important matter. Heretofore the paper holders for this purpose have permitted the paper to turn in one direction only before the unrolling has been checked, and often the roll would be put on the wrong way, so that the use of the paper was interfered with.

In my device it makes no difference which way the roll is applied to the holder element as the latter turns in either direction, is spring returned to normal position and has an abutment limiting the movement either way.

Further objects of my invention are to provide a simple and effective means for carrying the above idea into effect.

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 partly in horizontal section of a holder showing my improvements; and

Figure 2 is a front view with the holding element and adjacent parts in section.

The holding element and its connections and attachments which comprise the major

features of my invention can be supported in any convenient way, but as these holders are more or less conspicuous it is desirable to have them nicely arranged and of attractive design.

I therefore prefer to use supporting posts 10 and 11 which can be attached to an adjacent wall in spaced relation, and in any convenient way, but preferably by concealed fasteners, although this is not a feature of my present invention.

The preferred means is shown in Figure 1 where the post 10 is recessed at the base to receive a plate 12 which is fastened to the adjacent wall and to which is secured a stem 13 extending into the hollow portion 15 of the post, said stem having a frusto conical head 14 which is engaged by a set screw 13'. This structure is not here claimed. The posts 10 and 11 for convenience and ornamentation are provided with rounded heads 16, 16<sup>a</sup> and the head 16 is jointed with relation to the post 10 so as to turn thereon, as shown at 17 in Figure 1. A pintle 18 is journaled in the post 10, being secured at its inner end by a screw 18' and its outer end is connected to a laterally extending rod 19 which enters a corresponding hole in the head 16, and is held by a set screw 20 or equivalent fastener. The outer portion of the rod 19 is reduced as shown at 21, and the rod 19 serves as a means of carrying the paper holding element or frame 22 which is usually a thin openwork frame having tapered ends 23 and 24, the latter being for the purpose of facilitating placing a roll of paper on the frame, and as usual the frame enters the bore of the paper roll 26, the roll and bore being shown diagrammatically by dotted lines.

At one end of the frame 22 is a chamber 27 for concealing the actuating spring and the inner wall 28 of this chamber serves to journal the frame 22 on the rod 19. The outer or free end portion of the frame 22 has an inwardly prolonged bushing or journal 29 which is mounted on the sliding latch 30, this being spring pressed and adapted to enter the socket 31 in the rigid post head 16<sup>a</sup>. As the post head 16<sup>a</sup> is of rounded contour it will be seen that when the frame 22 is

swung into closed position the latch will automatically first move inward against its spring and then outward into locking engagement with the head 16<sup>a</sup>.

5 The bushing 29 is projected well into the frame 22 and an enlargement 32 of the sliding latch 30 abuts with the inner end of the bushing and can be grasped and pushed toward the hinge of the member 22, that is, toward the post 10 when the latch 30 is to be released, but it will be seen that the head 32 is so far within the frame 22 that it cannot be reached when a roll of paper is on the frame and thus stealing of the paper is obviated.

15 The outer portion of the latch 30 is chambered as shown at 33 and a spring 34 is arranged between the reduced end portion 21 of the rod 19 and the end of the latch, and thus the latch is pressed into locking position.

20 The frame 22 is held in normal position and returned to such position after being operated to release paper by a spring 35 which is made in two separated coils 35<sup>a</sup> and 35<sup>b</sup> encircling the rod 19 within the chamber 27, and the separate coil portions of the spring are kept apart by a collar 35<sup>b</sup> on the rod 19. The outer end of the spring is held by an abutment pin 36 on the inner end of the rod 19, and the inner end of the spring is held in abutment with a pin 37 (see Figure 2) while the middle portions are formed into loops engaging the pin 39 on the frame 22 and the two coil portions of the spring are disposed so that when the frame is turned one spring acts to return it if the movement is in one direction while the opposite coil is of opposite tension.

40 Obviously the springs might be independent with the same result and the invention contemplates any suitable arrangement which will be double acting and will tend to return the frame 22 after it has been turned in either direction.

45 Likewise various stops or abutments for limiting the movement of the frame 22 in either direction can be used, but I have illustrated and will describe a double-acting stop which works with entire satisfaction. 50 Opposite the wall 28 of the chamber 27 is a collar 40 which turns on the rod 19 and acts as a pawl or abutment for the purpose described. On the outer end of this collar is a tooth 41, both sides of which are adapted to alternately engage a pin 42 on the rod 19 and the pin serves also to position the collar between itself and the inner end of the frame 22.

60 On the opposite end of the collar is a tooth 43 which is shown clearly by dotted lines in Figure 2, and into the path of this tooth extends a tooth or abutment 44, which is rigid on the frame 22, and more particularly on the wall 28 of the frame.

65 It will be seen, therefore, that when the

paper is unrolled and the frame 22 turned in one direction the abutment 44 will engage one side of the tooth 43 and turn the collar 40 until one side of the tooth or abutment 41 is brought up against the pin 42, which limits the unrolling movement and at this point the paper is torn off. If, however, the frame is turned in the opposite direction the reverse action takes place, but with precisely the same result. The opposite side of the abutment 44 engages the other side of the tooth 43, and the collar is turned until the opposite side of the tooth 41 from that first mentioned strikes the pin 42 and ends the turning movement; so that the device operates perfectly without regard to which end of the paper roll is first put on to the frame 22.

Thus it will be seen that I have devised a very simple arrangement which permits the paper to be easily placed upon it, which locks automatically when the holding frame 22 is swung into closed position, which prevents easy theft of the roll, and which operates when the roll is turned in either direction.

What I claim is:

1. A holder for roll paper, comprising spaced posts having rounded heads at their outer ends, the head of one post having a socket therein, and the head of the second post being rotatable with relation to said post, a rod secured in the rotatable head, a spring centered paper holding element having a limited rotatable movement on the rod, and a sliding latch journaled in the free end of the paper holder and engaging in a socket of the adjacent post, said latch having a manual gripping element at its inner end and at a point within the paper holder.

2. A holder for roll paper, comprising two spaced posts, one having a rounded outer end with a socket therein and the other having a rotatable rounded head, a paper holder hinged to the rotatable head of the second post and having a limited rotary movement, and a spring pressed latch journaled to move endwise in the free end of the paper holder and adapted to engage the socket in the adjacent post, said latch having gripping means at its inner end and at a point within the paper holder.

In testimony whereof, I have signed my name to this specification this 22d day of September, 1925.

JOSEPH A. HOEGGER.