April 19, 1949. B. D. HALL 2,467,825

ROLL HOLDER

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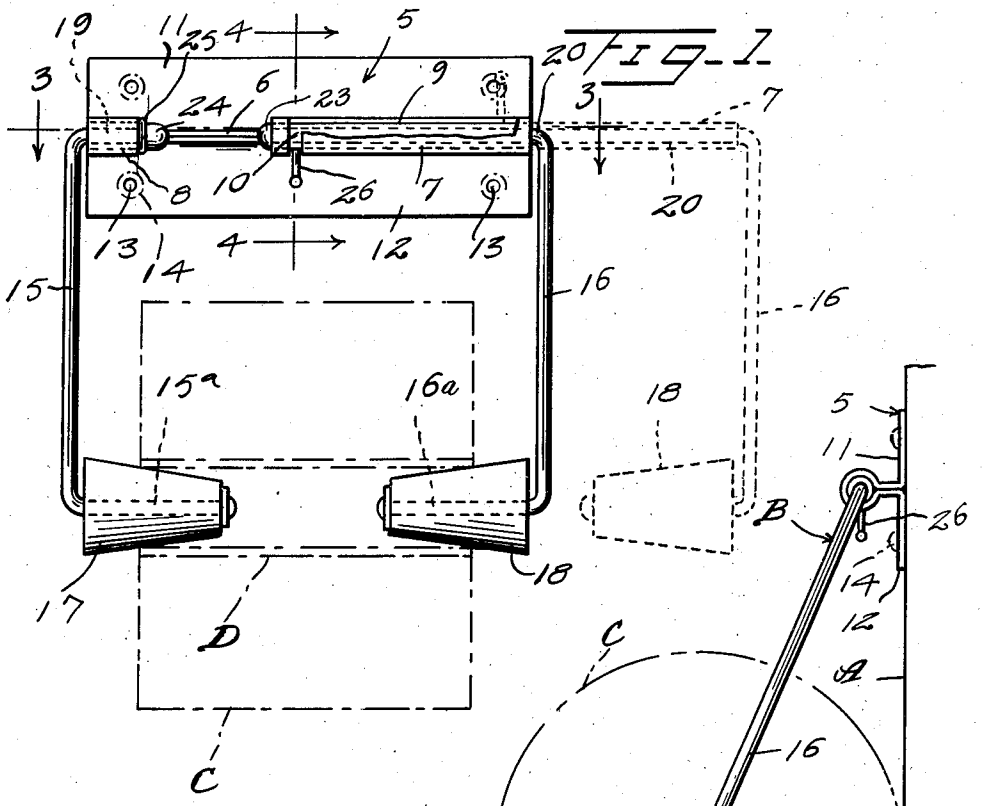


Fig. 1.

Fig. 2.

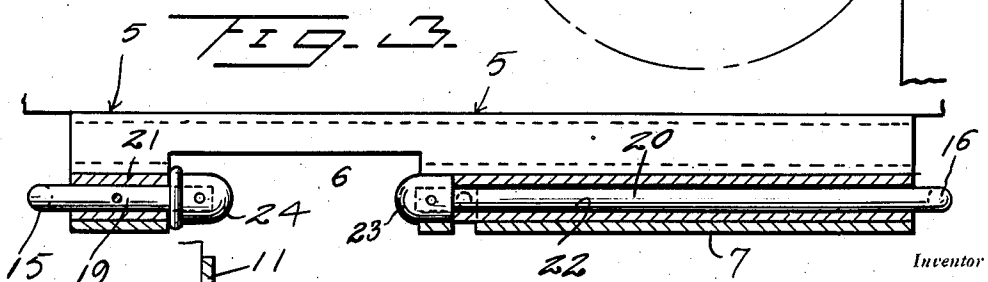


Fig. 3.

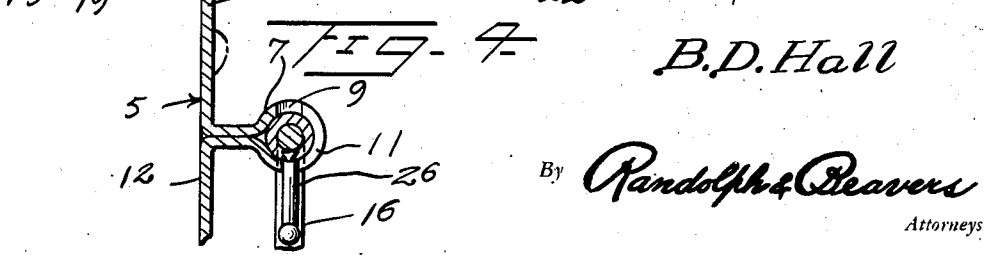


Fig. 4.

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ROLL HOLDER

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3 Claims. (Cl. 242—55.2)

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The present invention relates to roll holders and more especially to a holder for toilet tissue.

An important object of the invention is to provide a holder for rolled toilet tissue, wherein separable arms are employed capable of being spread apart to permit ready insertion of a roll, after which they are contracted for properly holding the roll against displacement and free to rotate as toilet tissue is paid therefrom.

Another object of the invention is to provide a rolled toilet tissue holder, which in simplifying the usual operation of placing a roll of tissue and removing the left core tube, offers a simplified construction, capable of being manufactured at a cost not exceeding that of conventional and more cumbersome holders.

Still another object of the invention is to provide a holder of the character stated which in addition to having advantages over conventional holders, is neat and attractive in appearance, as well as positive acting and not susceptible to the ready development of defects.

These and other objects and advantages of the invention will become apparent to the reader of the following description.

In the drawing:

Figure 1 is a front elevational view of the holder showing a portion broken away to disclose one of the shaft barrels.

Figure 2 is a side elevational view.

Figure 3 is an enlarged horizontal sectional view taken on line 3—3 of Figure 1.

Figure 4 is an enlarged vertical sectional view taken on line 4—4 of Figure 1.

Referring to the drawing, reference character A denotes a wall or other structure for supporting the present invention denoted by reference character B.

In carrying out the present invention a bracket generally referred to by numeral 5 consists of a plate of sheet metal bent at its intermediate longitudinal portion in an outward direction and a substantial portion being deleted or cut away as at 6 and the remaining outwardly disposed portions formed to provide horizontal and aligned long and short tubes 7, 8, terminating at their inner ends in spaced relation as is apparent in Figure 1.

The long tube 7 has a bayonet slot therein formed of an elongated slot 9 extending longitudinally from a point inwardly of the outer end of the tube 7 to terminate inwardly of the inner end of the tube 7 and there merge with a circumferentially extending short slot 10. The bracket 5, thus formed defines upper and lower wing portions 11, 12 in which openings 13 are formed for securing elements 14.

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The holder further includes a pair of arms 15, 16 having frusto-conical shaped cores 17, 18 respectively on inturned end portions 15a, 16a at the outer or lower end portions of said arms 15, 16.

The upper ends of the arms 15, 16 have inwardly disposed short shaft extensions 19, 20 respectively, the short shaft 19 being disposed through a bushing 21 located in the tube 8 of the bracket 5, while the shaft 20 is disposed through a barrel 22 located in the tube 7, the inner end of the shaft 20 being provided with a removable head 23, abutting the adjacent end of the barrel 22, but capable of sliding in the tube 7.

The short shaft 19 is likewise provided with a removable head 24 between which and the tube 8 a washer 25 is provided, thus preventing displacement of the shaft 19 through the tube 8.

The inner end portion of the barrel 22 has an outstanding headed end or pin 26, capable of sliding along the bayonet slot 9, 10, when the arm 16 is lifted upward and pulled outwardly.

In the use and operation of the device, Figure 1 shows a roll of toilet tissue C on the usual tubular core D, with the frusto-conical shaped core members 17, 18 wedged in the ends of the core tube D. The core tubes 17, 18 are capable of freely rotating on the inturned end portions 15a, 16a of the arms and when the toilet tissue has been spent from the core tube D and it is desired to remove the core tube and replace another roll, the arms 15, 16 are swung upwardly until the pin 26 is opposite the slot 9, whereupon the arm 16 can be pulled outwardly to the dotted line position shown in Figure 1, thus releasing the core tube 10 and permitting a roll to be applied to the core member 17, after which the arm 16 is pushed inwardly with the core member 18 engaging in its end of the core tube D, whereupon by lowering the arms 15, 16, the pin 26 will recede into the short slot 10, thus preventing separation of the arms 15, 16.

While the foregoing description sets forth the invention in specific terms, it is to be understood that numerous changes in the shape, size and materials may be resorted to without departing from the spirit and scope of the invention as claimed hereinafter.

Having described the invention, what is claimed as new is:

1. A roll holder comprising a bracket, a pair of swingable arms carried by the bracket, roll engaging members on the outer ends of the arms for

for supporting a roll, means whereby one of the arms can be slid outwardly on the bracket to release the roll, said bracket being provided with tube formations, said arms being provided with shafts at their bracket ends disposed into the tubes, said slide arm having its shaft provided with a barrel disposed rotatably in its corresponding tube and a pin projecting outwardly from the barrel and through said bayonet slot.

2. A roll holder comprising a bracket, a pair of swingable arms carried by the bracket, roll engaging members on the outer ends of the arms for supporting a roll, means whereby one of the arms can be slid outwardly on the bracket to release the roll, said bracket being provided with tube formations, said arms being provided with shafts at their bracket ends disposed into the tubes, said slide arm having its shaft provided with a barrel disposed rotatably in its corresponding tube and a pin projecting outwardly from the barrel and through said bayonet slot, said pin forming a handle whereby the barrel can be rotated and slid outwardly to displace the slide arm from engaged position with a roll.

3. A roll holder comprising a bracket, a pair of swingable arms carried by the bracket, roll engaging members on the outer ends of the arms

for supporting a roll, means whereby one of the arms can be slid outwardly on the bracket to release the roll, said bracket being provided with tube formations, said arms being provided with shafts at their bracket ends disposed into the tubes, said slide arm having its shaft provided with a barrel disposed rotatably in its corresponding tube and a pin projecting outwardly from the barrel and through said bayonet slot, said pin forming a handle whereby the barrel can be rotated and slid outwardly to displace the slide arm from engaged position with a roll, the inner end of the shaft of the slidable arm being provided with a removable head adapted to abut the adjacent end of the barrel and being of a cross sectional dimension capable of sliding through the corresponding tube.

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The following references are of record in the file of this patent:

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