Our present invention relates to roll holders, more particularly to paper roll holders of the type used in wash rooms for toilet tissue and for paper towels.

It is among the objects of the invention to provide a holder of the above type or neat and decorative appearance which conceals the paper roll except for the service end thereof, which is of a minimum number of rugged parts, easily assembled by hand, which is durable and which is readily available for replenishing a used roll.

According to the invention, the generally rectangular unitary case has hingedly mounted thereon a unitary cover, which cover in turn has means for journal support of the core of a paper roll. This journal is preferably in the form of notches in the edges of the end walls of the cover, which end walls have bearing studs extending into corresponding bearing apertures in the side walls of the case. Preferably the main wall of the cover is curved to accommodate the convexity of the paper roll and its edges extend along the correspondingly curved front edges of the side walls.

In the accompanying drawings, in which is shown one of various possible embodiments of the several features of the invention,

Fig. 1 is a perspective view of the paper holder in closed position.

Fig. 2 is a view similar to Fig. 1 showing the holder in open position for replenishment.

Fig. 3 is a perspective view of the cover.

Fig. 4 is a perspective view of the case, and

Fig. 5 is a view in longitudinal cross section taken on line 5—5 of Fig. 1.

Referring now to the drawings, the paper holder is preferably made of two unitary pieces which while they may be of metal, are preferably of a suitable plastic such as cellulose acetate, "Vinylite," "Melamine" or the like.

The case 10 is desirably generally rectangular, comprising a rectangular back wall 11, a rectangular side wall 14, a rectangular top wall 12 connecting the upper edges of the back and side walls and a rectangular bottom wall 13, connecting the lower edges of the back and side walls. The side walls preferably protrude forward as shown beyond the forward edge 13' of the bottom wall 13 and have small aligned hinge apertures 15 near the lower edges thereof and somewhat forward of edge 13' for mount of the hinged cover 16.

The cover has a main wall 17 and end walls 18 at right angles thereto, each of which is preferably provided with a unitary hinge stud 19 near the inner edge thereof, for accommodation in the corresponding hinge aperture 15 of the side wall 14. Each end wall 18 of the cover has a journal notch 20 in the free edge thereof, and said notches are aligned to accommodate the reduced ends 21 of the conventional core 22 for the paper roll, the free or service end 23 of which roll extends downward through the gap 24 between the forward edge 13' of the lower wall 13 and the lower edge 25 of the cover 16.

In the open position the cover might be arrested in its lowestmost position as shown in Fig. 2, for replenishment purposes, by engagement of the outer face of wall 17 against the lower case edge 13'. It is preferable, however, to provide the cover with stop studs 26 near the respective hinge studs 19, said stop studs riding in corresponding arcuate slots 27 in the side walls 14, the forward end of said slots being engaged by the studs 26 to define the lowestmost open position of the cover, as shown in Fig. 2, regardless of any engagement between the edges 25' and 13'. If desired, any conventional spring latch (not shown) may be provided in the center of the top wall 12 for releasable hold of the cover 16 in closed position, and the upper edge of the cover has a unitary central lip 28 for convenience of manipulation in opening.

While the main wall of the cover may be flat or angular and have any of a wide variety of contours, the particular conformation shown is preferred. In this arrangement as shown, the cover wall has a generally cylindrical curvature which merges at its lower end with a flat wall portion 29 aligned in closed position of the case with the bottom wall 13, as best shown in Fig. 5.

The end walls 18 stiffen and buttress the curved wall 17 and the plastic cover with which they are integral and along the curved edges of which they extend; but the end walls are sufficiently resilient to permit slight relative inward displacement thereof in introducing the hinge studs 19 into the corresponding hinge apertures 15 for assembly.

In the same operation, the stop studs 26 become engaged in the corresponding arcuate slots 27. The assembly is thus effected in an instant and there is no need for screws, rivets or other fastening means or fastening tools.

The side walls of the case are conformed as shown, with their forward edges 13' curved to substantially the curvature of the cover wall 17, and said curved edges merge with the bottom walls 13, the core 22 of the roll is readily laid into the journal notches 20 of the open cover as shown in Fig. 2, with the free or service end 23 of the paper roll extending downward between the lower edge.
25' of the cover and the lower front edge 13' of the case. When the cover is then raised and latched in closed position, the roll is concealed.

Thus, in closed position of the cover as best shown in Figs. 1 and 5, the lateral edges 17' thereof extend with little clearance between and along the forward edges 14' of the respective side walls 14, as shown, and preferably though not necessarily have frictional hold thereon. The outward curvature of the cover wall affords accommodation for the convexity of the roll, as best shown in Fig. 5.

As shown in Fig. 5, the center of gravity of the paper roll extends directly above or may extend somewhat to the rear of the hinge mount 19--15 of the cover, so that there is no likelihood of the cover springing open under the weight of the paper roll.

The service end of the paper protruding downward, as shown in Figs. 1 and 5, from between the forward bottom edge 12' of the case and the bottom edge 25' of the cover, the paper is readily dispensed.

As many changes could be made in the above construction and many apparently widely different embodiments of this invention could be made without departing from the scope of the claims, it is intended that all matter contained in the above description or shown in the accompanying drawings shall be interpreted as illustrative and not in a limiting sense.

Having thus described our invention what we claim as new and desire to secure by Letters Patent of the United States is:

1. A paper roll holder comprising a generally rectangular case having a back wall, side walls, a top and a bottom wall, a cover having end walls mounted between said side walls, pivot stud connections hingedly mounting said end walls to said side walls, said cover having a main wall with a lower edge adjacent the forward edge of the bottom wall of the case, and a paper roll having a core releasably and rotatably mounted in said end walls with the free end of the roll extending downward from between said edges, the main wall of said cover being substantially flush with the outer edges of the side walls and top and bottom walls of said rectangular case when the cover is in closed position.

2. A paper roll holder comprising a generally rectangular case having a back wall, side walls, a top wall and a bottom wall, a cover having end walls straddled by said side walls, said end walls having pivot studs extending outwardly therefrom and journalled in bearing openings in said side walls, hingedly to mount said cover, journal supports in said cover for the core of a paper roll, and means releasably retaining said cover in closed position with the paper roll confined in the case, and with the lateral edges of the cover extending along the forward contour of the side walls of the case.

3. A paper roll holder comprising a generally rectangular case having a back wall, side walls, a top wall and a bottom wall, a cover hinged to said case, said cover having a main wall and end walls, the latter extending between and adjacent the respective side walls, the end walls having aligned hinging studs and the side walls having corresponding apertures for accommodating the same, the end walls also having each a stop stud near said hinging stud, the latter studs extending into corresponding arcuate slots in the respective side walls for limiting the hinging movement of the cover, the end walls having means for hingedly mounting the core of a paper roll.

4. A paper roll holder comprising a case having a back wall, side walls with forward edges curved from the bottom toward the top, a wider top wall connecting the upper edges of said back and side walls, and a narrower bottom wall connecting the lower edges of said back and side walls, a cover having a curved main wall with lateral edges conforming substantially to the contour of the forward edges of the side walls from the forward edge of the bottom wall to the forward edge of the top wall, said cover having end walls adjacent and between the respective side walls of the case, each end wall having a stud integral therewith, hingedly fitting in a corresponding aperture in the side wall, said end walls having aligned notches in the respective edges thereof for accommodating the core of a paper roll, and means for retaining the cover in closed position with its contained paper roll.

5. The combination recited in claim 4 in which the case is a unitary plastic molding and the cover is of a second unitary plastic molding, of which the hinging studs are a unitary part.

6. The combination recited in claim 1 in which the cover has end walls with stop studs extending through corresponding arcuate slots in the side walls of the case concentric with the hinge studs and constituting stop means for the cover to limit its opening position in recharging.

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