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H. W. KRUEGER
DISPENSING CABINET
Filed Oct. 17, 1925

Fig. 2.

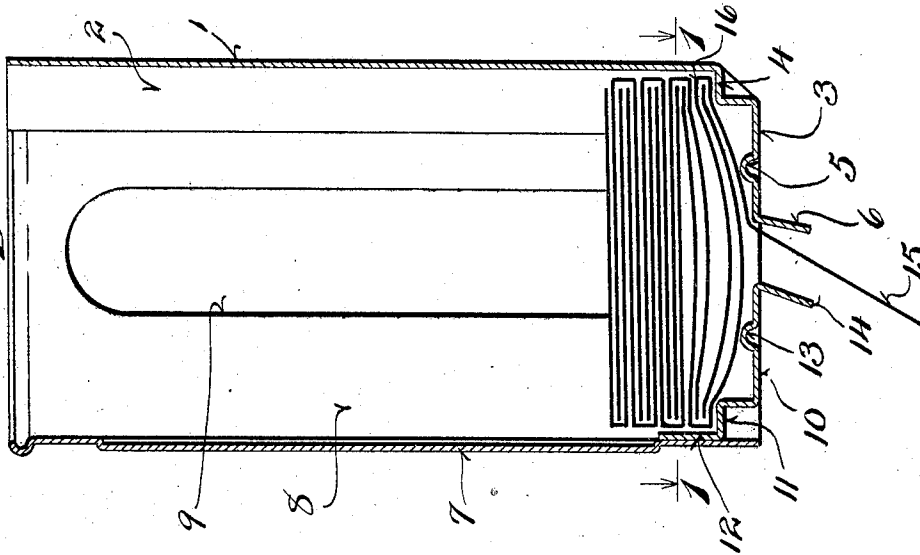
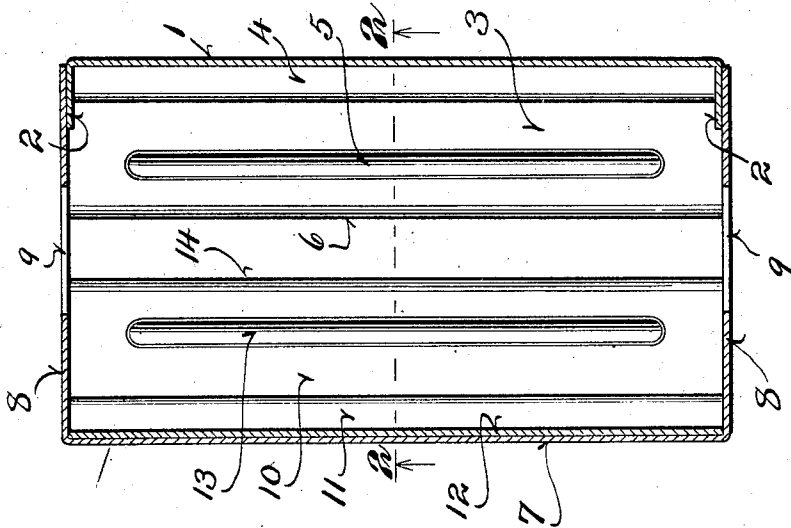


Fig. 1.



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UNITED STATES PATENT OFFICE.

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DISPENSING CABINET.

Application filed October 17, 1925. Serial No. 63,064.

This invention relates to dispensing cabinets, and is particularly directed to a cabinet adapted to dispense interfolded sheets of paper such as toilet paper, for instance.

Cabinets as heretofore constructed have the defect that the weight of the stack of paper sheets presses down upon the sheet which is being retracted throughout the entire area of such sheet. There is, therefore, considerable chance of pulling several of the sheets laterally when it is attempted to remove a single sheet.

This invention is designed to overcome the above noted defects and objects of such invention are to provide a dispensing cabinet in which the stack is supported in a novel manner with the edges of the interfolded sheets resting upon ledges at opposite sides of the cabinet, and also to provide intermediate ribs or ledges to receive the weight of a few of the bottommost sheets which are bowed downwardly from the main stack.

Further objects are to provide a dispensing cabinet in which the sheet being withdrawn is immediately relieved from pressure when its folded edge has moved a very slight distance from its normal position so that the sheet may be withdrawn without tangling or displacing the pile of sheets or without any danger of tearing the sheet.

An embodiment of the invention is shown in the accompanying drawings, in which:—

Figure 1 is a transverse sectional view through the cabinet, such view corresponding to a section on the line 1—1 of Figure 2.

Figure 2 is a vertical sectional view through the cabinet corresponding to a section on the line 2—2 of Figure 1.

Referring to the drawings in detail, it will be seen that the cabinet comprises a vertical back portion 1 provided with side flanges and a bottom portion 3. This bottom portion is joined to the back portion 1 in an integral manner by means of the shoulder or ledge 4, as shown most clearly in Figure 2. It is also provided with an upwardly projecting rib 5 formed by depressing a portion of the metal upwardly, and is provided with a downwardly turned lip 6 at its forward edge.

The front of the cabinet is indicated by the reference character 7 and it will be seen that this front is equipped with side walls 8 provided with cutout slots or apertures 9

and with the usual ornamental portion such as a beading and panel effect, as illustrated in Figure 2.

A front bottom half section 10 is provided and is very similar to the bottom portion 3. It is also equipped with a shoulder 11 which joins such bottom with an upwardly extending flange 12, the flange 12 being located within the main body of the cabinet and secured thereto. The bottom section 10 is provided with an intermediate upwardly pressed rib 13 similar to the rib 5 previously described. It is also provided with a forwardly projecting lip 14 spaced from the lip 6, as shown in Figure 2.

In using the cabinet, the interfolded sheets are positioned therein through the open top and may be adjusted through the side apertures 9 in the usual manner. They rest at their folded edges upon the shoulders 4 and 11, and these shoulders support the weight of the stack. When a projecting sheet, such as indicated at 15, is withdrawn it pulls the interfolded leaf of the next sheet outwardly with it so as to leave such next sheet accessible. Also, it is to be noted particularly that the folded edge 16 of the sheet being withdrawn is slipped from the shoulder 4 at the initial portion of the movement of the sheet. This immediately relieves the sheet of the pressure of the stack which is then carried directly by the shoulder 4. In a similar manner the next sheet is withdrawn from the shoulder 11 and is thus instantly freed from the pressure of the stack. Further, it is to be noted that the ribs 5 and 13 support the intermediate downwardly bowed portion of the lowermost sheets.

It will be seen that a dispensing cabinet has been provided for interfolded sheets of paper in which very thin and fragile paper may be employed without danger of tearing the paper, as means are provided for instantly freeing the sheet from the weight of the stack at the initiation of the withdrawal thereof.

It will be seen further that novel means have been provided for supporting the weight of the stack in a very effective manner and thus guarding against unwarranted entangling or disturbance of the adjacent portion of the stack when a sheet is withdrawn.

It is to be noted further that the spacing of the lips 6 and 14 provides an exit slot for

the paper and also that these lips prevent cutting of the paper which might otherwise occur had the bottom sections terminated at this aperture.

5 Although the invention has been described in considerable detail, it is to be understood that the invention may be variously embodied and is, therefore, to be limited only as claimed.

19 I claim:

A dispensing cabinet comprising a vertical body portion adapted to receive interfolded paper sheets, a bottom portion carried thereby and having ledges at opposite sides

adapted to receive the folded edges of the 15 sheets and to thus support the stack, said bottom portion having its major part spaced downwardly from such ledges and having a slot provided with rounded edges and extending thereacross for the discharge of the 20 sheets, said bottom having a pair of ribs projecting upwardly and spaced from the edges of the slot and from said ledges.

In testimony that I claim the foregoing I have hereunto set my hand at Green Bay, in 25 the county of Brown and State of Wisconsin.

HERMAN W. KRUEGER.