Sept. 28, 1926. 1,601,259

C. W. PETTIGREW

FLOWER BOX

Filed Sept. 1, 1925

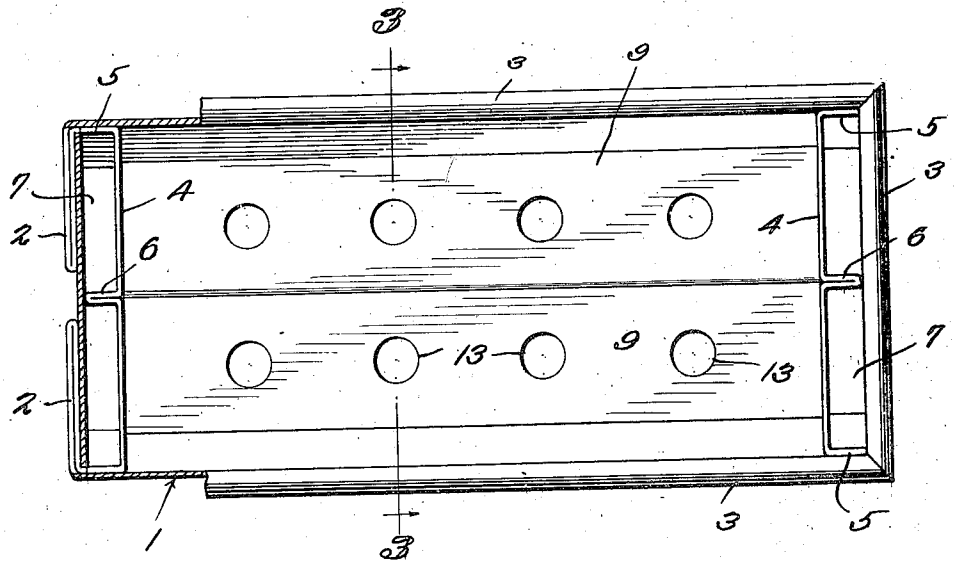


Fig. 1.

Fig. 2.

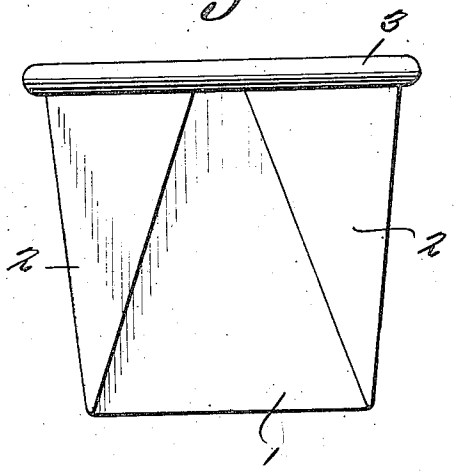
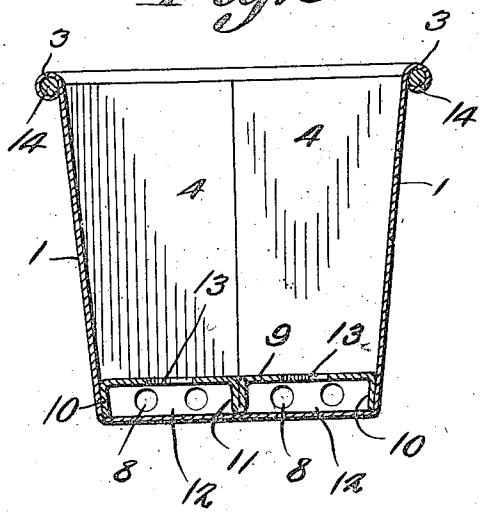


Fig. 3.



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UNITED STATES PATENT OFFICE.

CHARLES W. PETTIGREW, OF PARKERSBURG, WEST VIRGINIA.

FLOWER BOX.

Application filed September 1, 1925. Serial No. 53,895.

This invention relates to flower boxes, one of the objects being to provide a device of this character which can be stamped readily from sheet metal and which is so constructed that no soldering is necessary and the cost of production is therefore considerably reduced.

Another object is to provide a box which will not leak and which has removable means whereby water can be directed into the ends of the device and under the soil.

With the foregoing and other objects in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed may be made within the scope of what is claimed without departing from the spirit of the invention.

In the accompanying drawings the preferred form of the invention has been shown.

In said drawings,

Figure 1 is a plan view of the device, one end portion of the box being in section.

Figure 2 is an end elevation.

Figure 3 is a section on line 3—3 Figure 1.

Referring to the figures by characters of reference 1 designates a one-piece metal box cut from a blank which is bent to provide end folds 2 extending from the top to the bottom of the box, it being preferred to have the side wall of the box converge downwardly. A finishing bead 3 is formed along the top edges of the four walls of the box.

Fitted in each end portion of the box is an end plate 4 preferably formed of sheet metal having side flanges 5 adapted to bear against the walls of the box. The plate is formed with an intermediate longitudinal fold 6 constituting a partition which divides into two passages 7 the space between the plate 4 and the adjacent end wall. Apertures 8 are formed in the plate close to the lower end thereof and communicate with the respective passages.

The box has a false bottom 9 formed of sheet metal the sides of which are downturned to provide flanges 10 adapted to fit snugly against the side walls and the bottom of the box. An intermediate longitudinal fold 11 is integral with this false bottom and constitutes a partition for engaging the bottom of the box thereby to divide into separate passages 12 the space between the bottom of the box and the plate 9. The apertures 8 communicate with the respective passages 12 and additional apertures 13 are formed in the false bottom to permit the passage of moisture.

It will be understood of course that dirt will be supported by the false bottom 9 and against the ends of plate 4. Moisture can be supplied thereto by pouring water into the passages 7 so as to fill the passages 12. This moisture will be absorbed by capillary attraction through the openings 13.

The structure described is advantageous not only because of the simplicity thereof and the ease with which the same can be made and assembled but also because the interior parts can be removed and cleaned and access can be had to the inner surfaces of the box for the purpose of cleaning or painting them.

The finishing bead 3 can be reinforced by a stiff wire 14 housed therein and extending continuously around the box, should it be desired to further strengthen the structure.

What is claimed is:

1. The combination of a sheet metal box, of end plates removably seated upon the bottom, sides and ends of the box, each end plate including a flat sheet of metal having flanges extending in one direction from the sides thereof for contact with the bottom, sides and adjacent end of the box and a central fold between the flanges for contact with the bottom and adjacent end of the box, thereby to maintain the end plate substantially parallel with the end of the box, a false bottom formed of a flat sheet of metal having longitudinal side flanges for detachably bearing against the sides and bottom of the box and a central longitudinal fold bearing upon the bottom of the box, said false bottom constituting means for engaging the end plates to support them in upstanding positions within the box, there being apertures in the false bottom and in the lower portions of the end plates all opening into the spaces below the false bottom.

2. The combination with a box, of end plates removably mounted therein, side flanges on each of the plates, an intermediate fold between the side flanges and integral with each plate, said flanges and fold constituting means for holding the plate spaced from the end walls, there being apertures in

the lower portions of the plates, a false bottom removably mounted in the box and interposed between and abutting against the end plates, flanges at the sides of the false bottom, and intermediate longitudinal folds integral with said bottom, said flanges and folds cooperating to support the false bottom away from the bottom of the box to provide a space to receive moisture from the apertures in the end plates, there being apertures in the false bottom.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature.

CHARLES W. PETTIGREW.