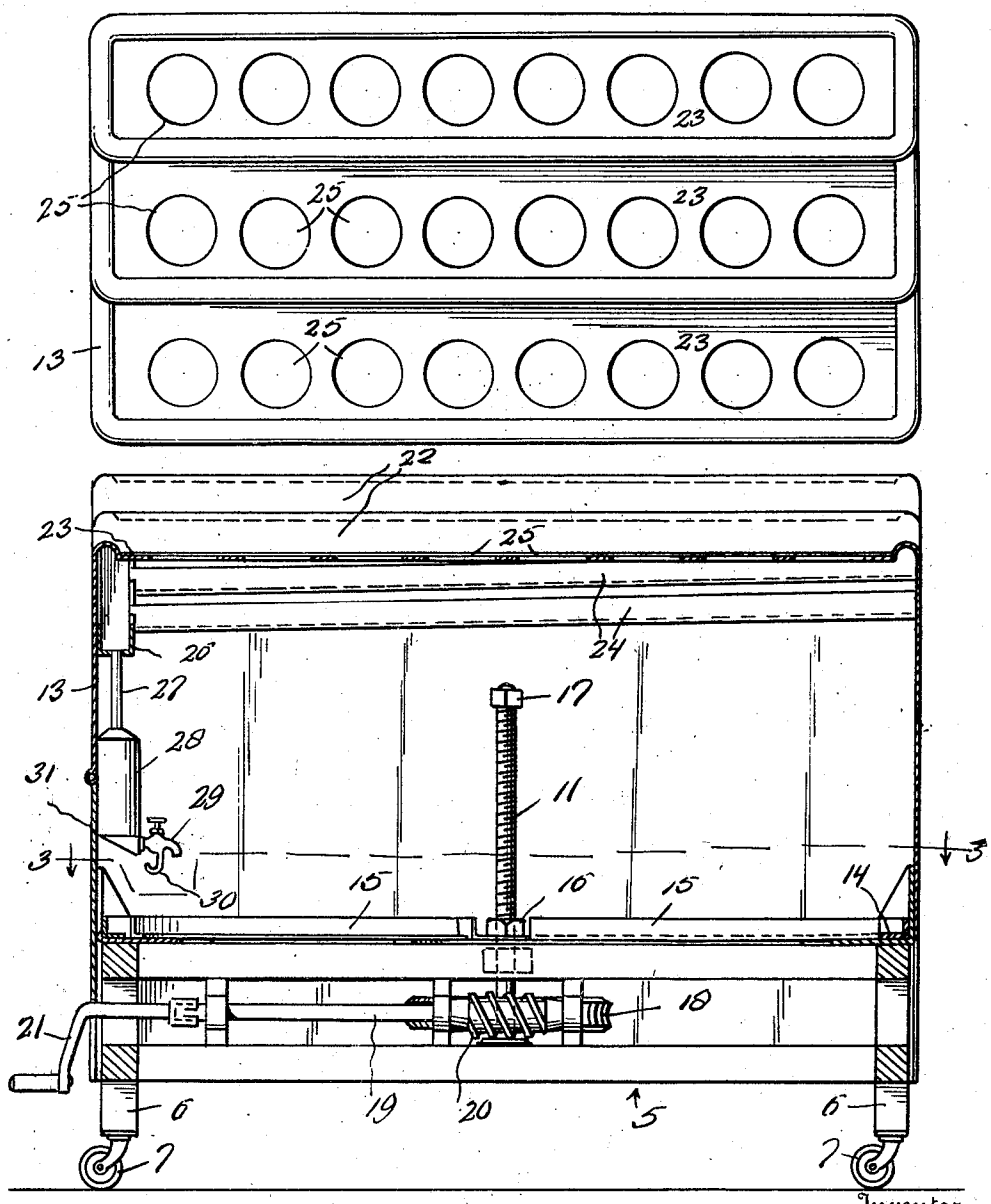
June 17, 1930. A. E. BARTON 1,764,543

FLOWER TABLE

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Fig. 1.



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Fig. 2

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FLOWER TABLE

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Fig. 3

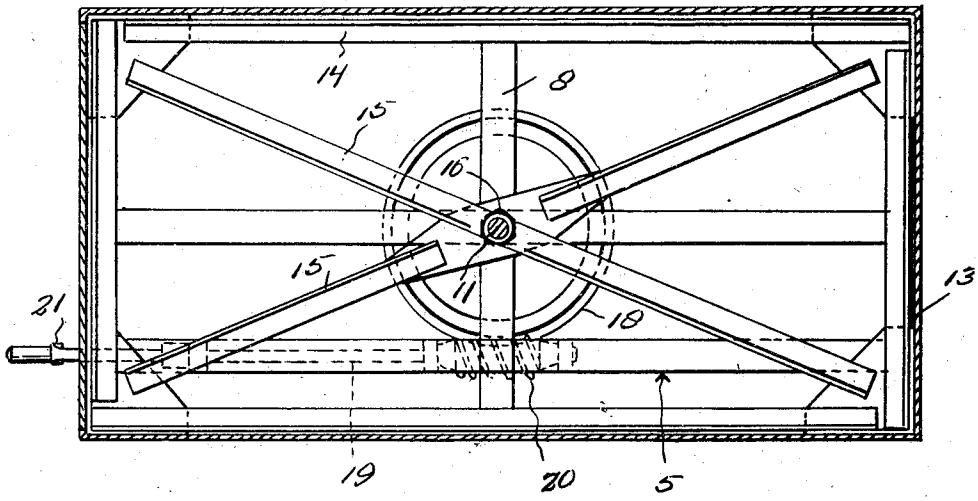


Fig. 4.

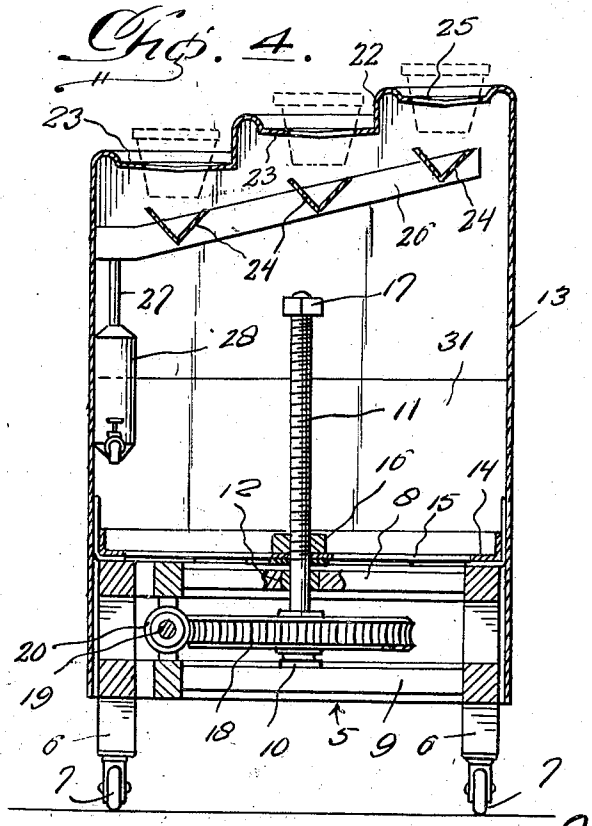
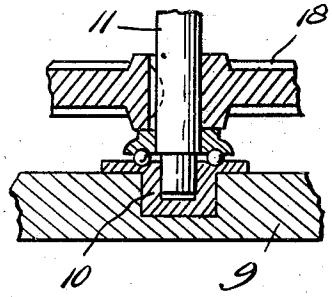


Fig. 5.



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Patented June 17, 1930 1,764,543

UNITED STATES PATENT OFFICE

ANNIE EVA BARTON, OF ROY, UTAH

FLOWER TABLE

Application filed August 7, 1928. Serial No. 298,039.

This invention relates to flower tables, and has more particular reference to an improved table for holding flowers in pots, and so that the flowers may be watered without wetting or soiling the floor.

A general object of the present invention is to provide a portable table for the purpose of holding flower pots in a clean and sanitary manner, and at the same time to provide for their removal from one place to another with the least possible trouble.

A more particular object is to provide a flower table of the above kind which is adjustable in height whereby the flower pots may be supported at the proper elevation in front of a window to accord with the height of the window sill from the floor.

A still further object is to provide for effective and convenient catching and disposal of the excess water which may drip from the flower pots.

Still another object is to provide a flower table of the above kind which is extremely simple and durable in construction, attractive in appearance, extremely serviceable in use, and economical to manufacture.

Other objects will appear as the nature of the invention is better understood, and the same consists in the novel form, combination and arrangement of parts hereinafter more fully described, shown in the accompanying drawings and claimed.

In the drawings:

Figure 1 is a top plan view of a flower table embodying the present invention.

Figure 2 is a vertical longitudinal section thereof.

Figure 3 is a horizontal section on line 3—3 of Figure 2.

Figure 4 is a substantially central vertical transverse section of the same; and

Figure 5 is an enlarged detailed sectional view, showing the mounting of the feed screw forming part of the means for vertically adjusting the upper portion of the table.

Referring more in detail to the drawings, the embodiment of the invention illustrated includes a rectangular crate-like base frame 5 preferably constructed of rigidly connected bars or timbers and having metallic or wooden corner supporting legs 6 equipped with rubber or metallic casters 7 to facilitate movement of the table on the floor. The base frame 5 preferably includes rigidly connected spaced upper and lower rectangular frame sections having central cross pieces 8 and 9. The lower cross piece 9 has a thrust bearing 10 in which is journaled the lower end of an upright feed screw 11 that is also journaled in the upper cross piece 8 as at 12 and projects above the base frame as clearly shown in Figures 2 and 4.

The present flower table further also includes a vertically adjustable upper portion which consists of a hollow open bottom metallic body 13 loosely fitting and slidably telescoped at its lower end over the base frame 5 and operatively associated with the feed screw 11 so as to be raised or lowered upon rotation of said feed screw. As shown, a horizontal rectangular frame 14 is rigidly fitted and secured in the body 13 near its lower end, and connecting opposite corners of the frame 14 are diagonal crossed bars or braces 15 which are apertured at their point of crossing to permit the passage of the feed screw 11 therethrough, and upon which is welded or otherwise secured a nut 16 through which the feed screw 11 extends and in which said feed screw has threaded engagement. As the body 13 fits over the base frame 5 and is thus restrained from rotation about the axis of the screw 11, it is apparent that the body 13 will be vertically adjusted upon rotation of the feed screw 11, the body 13 being raised upon rotation of the screw 11 in one direction and lowered upon turning of the feed screw in the opposite direction. A suitable abutment or stop member, such as a lock nut 17 is provided upon the upper end of the feed screw 11 for engagement by the nut 16 so that the upward adjustment of the body 13 may be properly limited to prevent the nut 16 from passing entirely off of the feed screw in case of excessive upward adjustment of the body 13.

Any suitable means may be provided for manually rotating the feed screw 11, but such means preferably consists of a relatively large worm gear 18 fixed upon the lower portion of

feed screw 11 between the cross bars 8 and 9, a horizontal drive shaft 19 journaled in the base frame 5 near the front of the latter and having a worm 20 on its inner end constantly meshing with the worm gear 18, the other end of the shaft 19 terminating adjacent one end of the base frame 5 in a polygonal or other end adapted for driving engagement with the socket of a removable operating handle or crank 21. The crank 21 is adapted to engage the end of shaft 19 so as to be actuated from outside of the body 13, and the latter may be vertically slotted so that the crank 21 will not interfere with the vertical adjustment of the body 13.

The body 13 is provided with a longitudinally stepped or terraced top wall providing a series of risers 22 extending from end to end of said top wall, and correspondingly extending horizontal portions 23. The horizontal portions 23 of the steps are respectively disposed above laterally inclined troughs 24 rigidly mounted in and extending from end to end of the body 13 as clearly shown in Figures 2 and 4, and each horizontal portion 23 further has a longitudinal series of circular openings 25 to receive the flower pots as indicated by dotted lines in Figure 4. It is still further noted that the horizontal portions 23 slope toward and are depressed about the openings 25 so that any water which may find its way upon the portions 23 outside of the flower pots will readily drain downwardly through the openings 25 into the troughs 24.

The troughs 24 are preferably mounted directly beneath the openings 25, and they may therefore form rests or supports for the flower pots in case they project sufficiently through the openings 25. The troughs 24 incline toward one end of the body 13 where they are rigidly connected to and placed in communication with a forwardly inclined gutter 26 having a depending discharge pipe 27 at its forward end opening into the top of a collection tank or receptacle 28 arranged inside of the adjacent end of the body 13 above the frame 14. It is thus apparent that excess water placed in the flower pots will drain through the bottom openings of the latter and drip into the troughs 24 so as to be conveyed by way of gutter 26 and pipe 27 to the collection receptacle 28. The receptacle 28 is provided with a bottom drain cock 29 so that the water may be drained therefrom from time to time or when found necessary or desirable, the drain cock 29 having a suspension hook 30 whereby a bucket or the like may be suspended in position to receive the water from the vessel 28 when the drain cock 29 is opened. The end wall of the body 13 adjacent the collection receptacle 28 has a door section 31 which may be opened to permit convenient access to the drain cock 29 in emptying the collection vessel 28.

It is particularly noted that the body 13 with its integral stepped top wall may be made of durable heavy gage enameled metal so as to provide a construction which is neat and attractive in appearance and yet capable of economical manufacture. Further, it is obvious that additional feed screws 11 may be provided should it be found desirable to utilize more than one of the same to effect raising and lowering of the upper portion of the table without binding of the movable part or without placing undue strain upon any particular part.

From the above description it is believed that the construction, manner of use and advantages of the invention will be readily understood and appreciated by those skilled in the art. However, it is noted that the provision of the casters 7 permit the table to be readily moved from one place to another, while the crank 21 may be applied to shaft 19 and operated so as to raise the body 13 for positioning the top of the latter at the required elevation in accordance with the height of a particular window sill from the floor of the room. In this way the flower pots are located with respect to the window to insure a neat appearance and to enable proper light to be given to the plants in the flower pots. Due to the terraced form of the top wall of the body 13 sufficient light is insured for the plants in all of the rows, and a neat arrangement and display of the flowers is had. It is further evident that the flowers may be kept in a healthy condition with very little trouble or inconvenience, and without danger of wetting the floor or soiling any floor covering which may be provided upon the floor.

Minor changes may be made without departing from the spirit and scope of the invention as claimed.

The outer surfaces of the body 13 are preferably finished in different floral designs and colors to match different rooms, and the tables may obviously be produced in sizes of greater or less capacity, as desired.

What I claim as new is:

1. In a flower table, the combination of a supporting base, a hollow body mounted on said supporting base and having a generally rectangular stepped top wall providing a series of straight horizontal portions each provided with a longitudinal series of flower pot receiving openings, a straight laterally inclined drip trough mounted in the body directly beneath each series of openings, a drip collection receptacle mounted in one end of the body near the front of the latter, and a forwardly inclined gutter for conducting the water from the troughs to said collection receptacle.

2. In a flower table, the combination of a supporting base, a hollow body mounted on said supporting base and having a generally rectangular stepped top wall providing a

series of straight horizontal portions each provided with a longitudinal series of flower pot receiving openings, a straight laterally inclined drip trough mounted in the body directly beneath each series of openings, a drip collection receptacle mounted in one end of the body near the front of the latter, means for conducting the water from the troughs to said collection receptacle, said last named means comprising a forwardly inclined gutter having an outlet pipe communicating with the top of said collection receptacle, and a bottom drain cock for said collection receptacle.

3. In a flower table, the combination of a supporting base, a hollow body mounted on said supporting base and having a stepped top wall providing a series of horizontal portions each provided with a longitudinal series of flower pot receiving openings, a laterally inclined drip trough mounted in the body directly beneath each series of openings, a drip collection receptacle mounted in one end of the body, and means for conducting the water from the troughs to said collection receptacle, said horizontal portions of the top wall of the body being permanently depressed and sloped toward the openings in the latter.

4. In a flower table, the combination with a supporting base, of a hollow open bottom body slidably telescoped at its lower end over said base for vertical adjustment relative thereto, said body having a stepped top wall provided with a plurality of series of flower pot receiving openings, and means to vertically adjust said body relative to said base.

5. In a flower table, the combination with a supporting base, of a hollow open bottom body slidably telescoped at its lower end over said base for vertical adjustment relative thereto, said body having a stepped top wall provided with a plurality of series of flower pot receiving openings, a frame rigidly mounted in the bottom of the body, and means to vertically adjust said body relative to said base, said last named means comprising a vertical feed screw journaled on the base and a nut member rigidly mounted on and centrally of said frame within the body and having threaded engagement with said feed screw.

In testimony whereof I affix my signature.

ANNIE EVA BARTON.