J. H. LEVIS.

SECTIONAL GREENHOUSE TABLE.

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1,176,306. Patented Mar. 21, 1916.

Fig. 1.

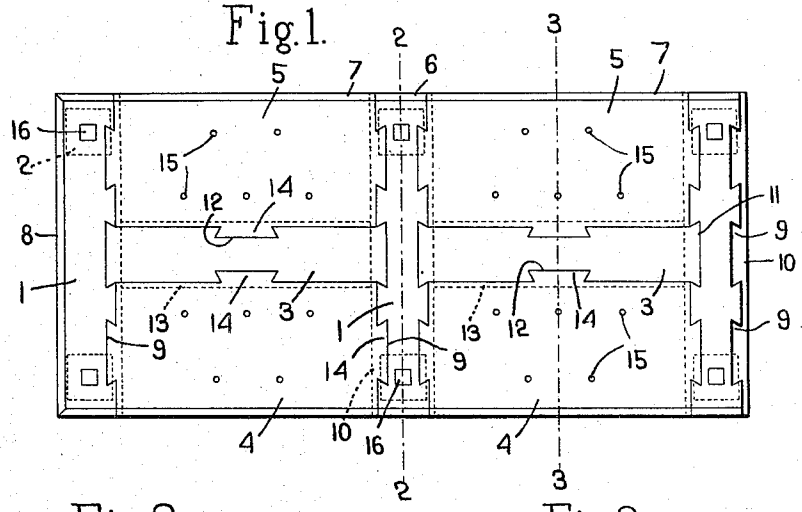


Fig. 2.

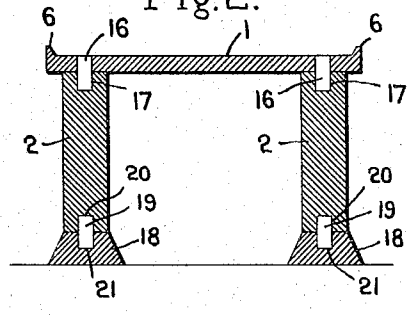


Fig. 3.

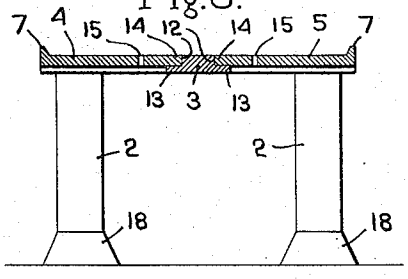


Fig. 4.

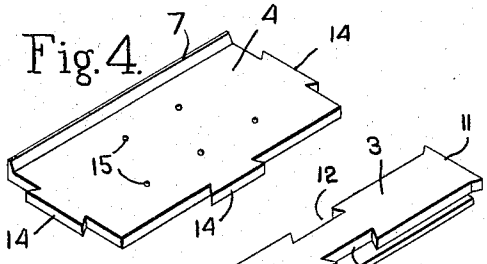
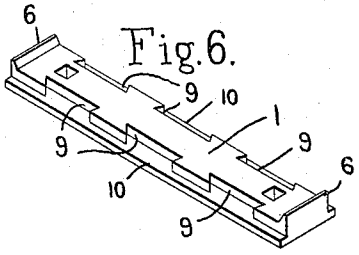


Fig. 5.

Fig. 6.



Witnesses.

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SECTIONAL GREENHOUSE-TABLE.

1,176,306. Specification of Letters Patent. Patented Mar. 21, 1916.

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To all whom it may concern:

Be it known that I, JAMES HARRY LEVIS, a subject of the King of Great Britain, and resident of Watertown, county of Middlesex, State of Massachusetts, have invented an Improvement in Sectional Greenhouse-Tables, of which the following description, in connection with the accompanying drawing, is a specification, like characters on the drawing representing like parts.

This invention relates to improvements in sectional tables constructed of molded plastic materials such as cement, glass, porcelain and the like and the object of the invention is to provide an improved table or bench which will be durable, comparatively inexpensive and which may be constructed in sections readily transferable, and easily assembled.

A further object of the invention is to provide a bench especially adapted for green houses which may be readily dismantled either in whole or in part.

Other objects of the invention will more fully appear from the following description and the accompanying drawings and will be particularly pointed out in the annexed claims.

In the drawings; Figure 1 is a plan view of a portion of a table embodying my invention, Fig. 2 is a vertical sectional view on lines 2—2 Fig. 1, Fig. 3 is a vertical sectional view on lines 3—3 Fig. 1, and, Figs. 4, 5, and 6 are respectively views of the side member, the longitudinally extending central supporting member and one of the transversely disposed supporting members.

In view of the high humidity which is always present in green-houses it is desirable that the tables be constructed of some material which will not absorb water and be warped thereby or become disintegrated by the action of the highly humid atmosphere.

It is frequently desirable to transfer the table from one part of the green-house to another or to remove a portion of the table in order that large plants may be placed in desirable locations.

The present invention contemplates the production of a table in which all of the parts are made from a molded plastic material such as concrete, glass or porcelain and constructed in relatively small sections having their adjacent edges interlocking in such a manner that the table may be dismantled readily but which when assembled will afford an exceedingly rigid support for plants and like articles.

The preferred form of the invention disclosed herein comprises a series of transverse members 1, supported upon posts 2 located adjacent to the ends of the transverse members, said transverse members being connected by a series of preferably centrally disposed supporting members 3 and side members 4, 5, disposed on opposite sides of the central members 3 and supported by said central supporting members and by the transverse members 1. In the construction illustrated herein these parts are in substantially a single plane providing a smooth table top upon which to set plants or other articles or which may be utilized to support a bed of earth to grow a solid bed crop of plants. The table top is desirably provided with an integral flange extending entirely around the table and to accomplish this each of the transverse pieces is provided at its ends with upstanding beveled flanges 6, and the side members are likewise provided with flanges 7 in alinement with and of equal height to the flanges 6 upon the transverse member. The transverse members of the end of the table are also desirably provided with a similar flange 8 to complete the continuity of the flange around the table.

In order to provide for supporting the other members of the table top in the manner above described the transverse members 1 are desirably provided with interlocking means desirably in the form of dove tailed recesses 9 extending downwardly from the upper surface thereof and an underlying flange 10 extending beyond the outer ends of the dove-tailed projections intermediate of said recesses. See particularly Fig. 6. As many transverse members as may be desired may be placed in a series and connected by the longitudinally extending central supporting members 3 which desirably are provided at their outer ends with dove-tailed tenons 11 adapted to enter the central recess 9 of the transverse members. The longitudinal supporting members are desirably provided with dove-tailed recesses 12 extending downwardly from the upper surface thereof and an underlying flange 13

extending beyond the edges of the upper portion of said centrally disposed member, these flanges being adapted to support the side members 4 which are provided with dove-tailed tenons 14 at their ends and also at their inner edges to engage respectively the dove-tailed recesses 9 in the transverse members and the recesses 12 in the longitudinally extending supporting members.

The side members may be provided with suitable holes 15 to permit the water to escape from the table top, these holes being desirably arranged in series of three adjacent to the inner edge and two adjacent to the outer edge of the side members.

It will be obvious that the table top thus constructed will be of a very rigid character and yet may be easily dismantled.

The interlocking members of the various sections may be symmetrically disposed so that any member may be readily replaced if broken or damaged and no especial care required in setting up the table.

The table top is desirably supported upon posts 2 located beneath the ends of the several transverse members in the manner above specified and the top ends of the posts may be connected to the transverse members by means of removable tenons 16 seated in recesses 17 respectively in the upper end of the post member and pass through openings in the transverse supporting members. If desired the posts may be provided with enlarged detachable bases 18 which may be secured to the posts 2 by similar tenons 19 extending into recesses 20 and 21 in the posts and bases respectively.

The table top may be made of any suitable plastic material which is capable of being molded into the desired form and possesses sufficient strength for the purposes subserved. For example, the table top may be made of concrete the side sections being made of a thickness of two inches while the transverse supporting members and the longitudinal supporting members may be of like material and have a thickness of three inches the additional inch in thickness providing for the underlying flange aforesaid. The supporting members and also the side members may if desired be reinforced in any well known manner as by woven wire fabric or other reinforcing material commonly in use.

The posts are desirably formed of the same material as the table top in order to provide uniformity in appearance but of course may be made of any suitable material.

It is to be understood that the table top and in fact all of its parts may be made of glass or porcelain or other moldable plastic material and that the proportions of the various parts may be varied in accordance with the requirements of the use to which the table is placed.

While the form of table disclosed herein is the best embodiment now known to me it is to be understood that variations thereof may be made within the meaning and scope of the claims hereto annexed.

It will be obvious that if desired the table legs may be placed at about the central portion of the transverse members and that a single or a plurality of members connecting the transverse members may be used in such case, the dove-tails and recesses therefor being arranged upon opposite sides of the supporting leg.

In assembling the members of this improved table the legs may be secured to the transverse members, the tenons at the end of the longitudinal central members then dropped from above into the central recesses of the transverse members, and finally the side members placed upon the transverse members and moved inwardly until the tenons 14 drop into the dove-tailed recesses 9 and 12 respectively of the transverse and longitudinal members.

Having thus described my invention what I claim as new and desire to secure by Letters Patent is:

1. A sectional table top constructed of plastic material comprising a series of supporting members having dove tailed recesses extending downwardly from the plane of the upper surface thereof and an underlying supporting flange or ledge, longitudinally extending side members, having dove-tail projections adapted to engage the dove-tailed recesses of the supporting members, the upper surface of the supporting members and side members being in substantially the same plane.

2. A sectional table top constructed of molded plastic material comprising a series of transverse supporting members having dove-tail recesses extending downwardly from the plane of the upper surface thereof and an underlying supporting flange or ledge, longitudinally extending side members having dove-tail projections engaging these dove-tail recesses of said supporting members, said dove-tail recesses and extensions being symmetrically disposed in respect to the central longitudinal plane of the table whereby the said members are rendered interchangeable.

3. A demountable table consisting of a table top constructed of molded plastic material comprising a series of transverse supporting members having dove-tail recesses extending downwardly from the plane of the upper surface thereof and an underlying supporting flange or ledge, a central longitudinal member connecting said transverse members provided with similar and symmetrically dove-tail recesses and supporting flanges, side members having dove-tail projections engaging the dove-tail recesses of

said transverse and longitudinally extending supporting members, and posts detachably secured to said transverse members.

4. A demountable table having a top comprising a series of transverse supporting members, having dove-tail recesses extending downwardly from the plane of the upper surface thereof and an underlying supporting flange or ledge, a series of longitudinally extending members having dove-tail extensions engaging the central dove-tailed recesses of successive transverse members, said longitudinally extending members having dove-tail recesses and supporting flanges, side members having dove-tail extensions adapted to engage the corresponding dove-tail recesses in the transverse and longitudinal supporting members, the upper surfaces of said transverse longitudinal and side members lying in substantially the same plane to form a smooth table top, and posts detachably secured to said transverse sections.

5. A table top constructed of molded plastic material comprising a series of transverse supporting members having flanges at their ends, a series of longitudinal centrally disposed supporting members, side members having flanges at their outer edges disposed intermediate of said transverse members and united to said transverse members and said longitudinally disposed central members by dove-tailed connections, the upper surfaces of the transverse, longitudinal, and side members being in substantially the same plane, the end transverse members being provided with flanges whereby the entire table is surrounded by an upwardly projecting flange.

6. In a table comprising a top constructed of plastic material and arranged in removable sections comprising a plurality of transverse supporting members and interchangeable intermediate side members, symmetrically disposed means for detachably connecting the said members to said transverse members, a plurality of posts of molded plastic material located beneath said transverse members and having removable tenons seated in the ends of said posts and in suitable mortises in said transverse members.

7. In a table comprising a top constructed of plastic material and arranged in mutually interlocked removable sections comprising a plurality of transverse supporting members and interchangeable intermediate side members, symmetrically disposed means for detachably connecting said side members to said transverse members, a plurality of posts of molded plastic material located beneath said transverse members and having removable tenons seated in the ends of said posts and in suitable mortises in said transverse members and base members detachably secured to the lower ends of said posts by removable tenons.

In testimony whereof, I have signed my name to this specification, in the presence of two subscribing witnesses.

JAMES HARRY LEVIS.

Witnesses:

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THOMAS J. DRUMMOND.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."