

[54] **TABLE EXTENSION**
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[58] **Field of Search**.....108/69, 66, 73, 71, 65, 74,
108/75, 72

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[57] **ABSTRACT**
The leaf extensions are mounted on a set of short side extension bars and a set of long middle extension bars. The middle extension bars, when in the extended state, are restrained against pivoting by retaining slabs secured to the cross-frame. In order to permit the middle extension bars of diametrically opposed sets to slide over each other, the sets are provided with different profiles so as to slide on the retaining slabs into different planes.

4 Claims, 4 Drawing Figures

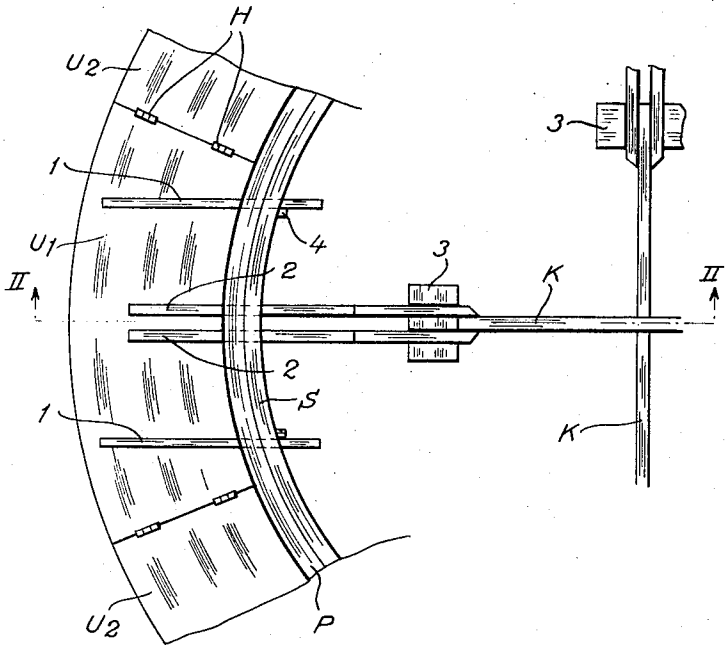


Fig. 1

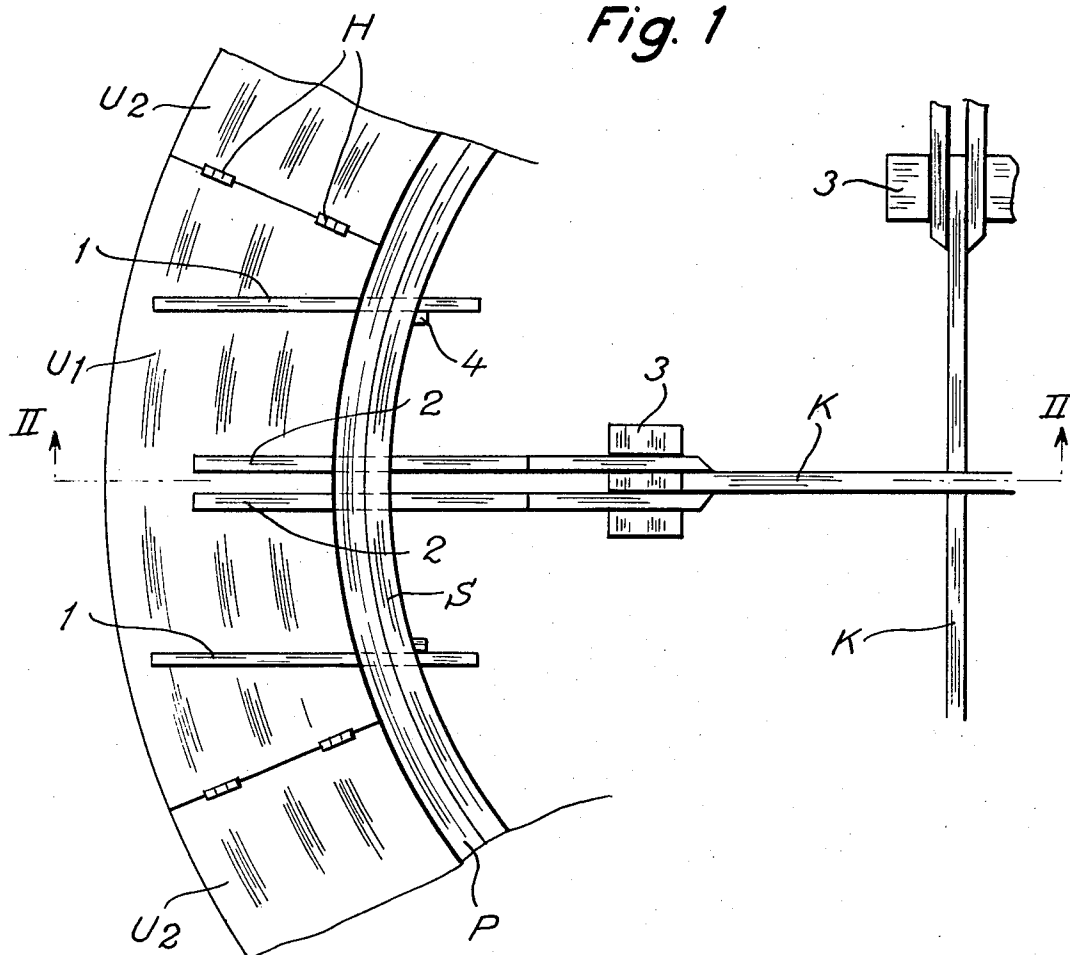
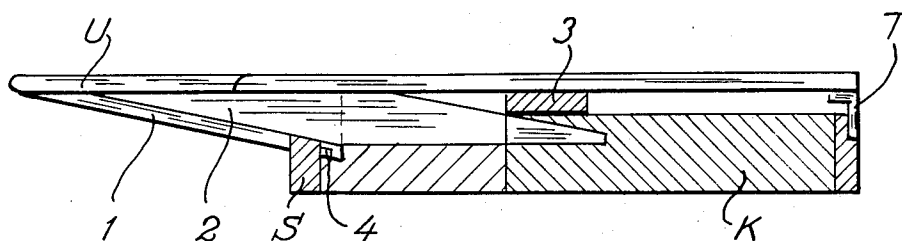


Fig. 2



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Fig. 3

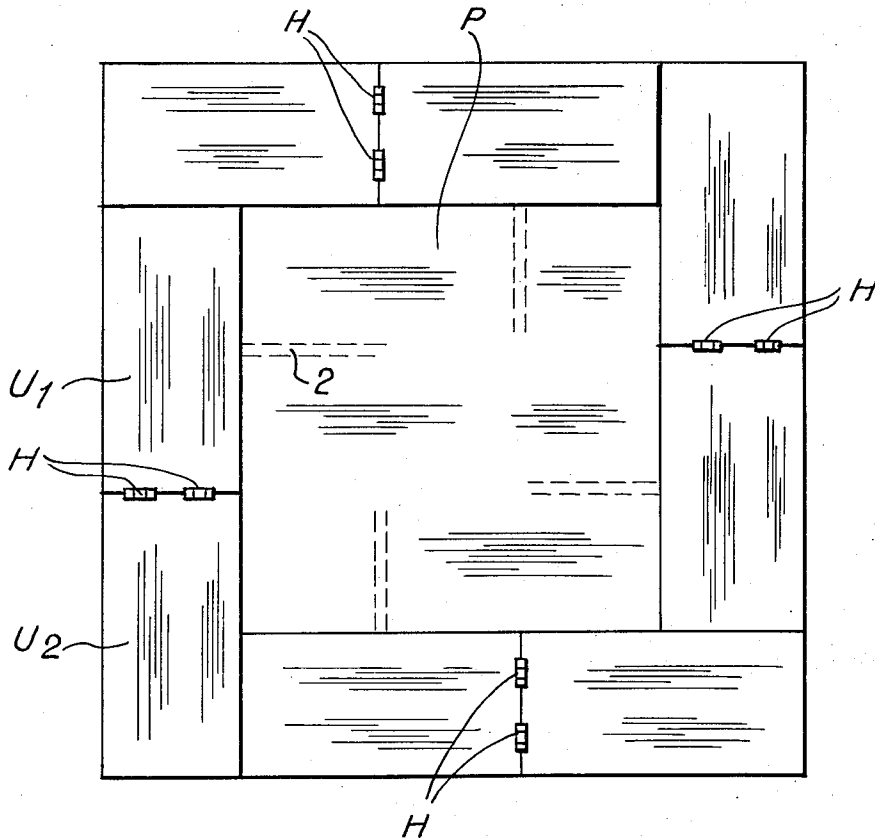
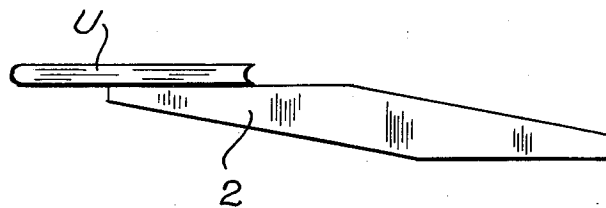


Fig. 4



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TABLE EXTENSION

This invention relates to a table extension for tables with undivided central table top and extension panels which may be added by drawing out the panels.

The purpose of the invention is above all to provide a table extension which in an easy way makes it possible to add a ring of extra panels around a round table with undivided central table top, this being done by drawing out two one-eighth circle-ring panels placed upon one another and hinged together; these panels are placed beneath the table and upon drawing out, one of the panels is folded out from the other panel. The table has four such sets of panels.

Various suggestions have already been made for obtaining a bigger table top on round tables by means of extensions but these known constructions are complicated and therefore expensive and are furthermore difficult to handle.

The table extension according to the invention has the merit of being very simple.

The table extension according to the invention is characterized by the fact that beneath the central table top there is arranged a fixed construction called an arm-cross consisting of four arms perpendicular to one another. At each of the four arms of this arm-cross there is placed a retaining slab and each extension panel has near its edges short side extension bars and near to its middle a pair of long middle extension bars. These bars all rest on the frame of the table and the middle extension bars furthermore engage the underside of the retaining slab with a view to preventing tilting down.

The invention will be further illustrated in connection with the drawing in which

FIG. 1 is a part of a circular table seen from below and having the extension according to the invention,

FIG. 2 a section according to line II—II of FIG. 1,

FIG. 3 a sketch of principle of a square table having the extension according to the invention and

FIG. 4 a section through an extension panel having its middle extension bar modified in such a way that the extensions may cross one another under the center of the table.

The table shown in the drawing has a central table top P, which may be rotatable about a pinion T (FIG. 2), a frame S and legs not shown.

Beneath the table top P are arranged four one-eighth circle-ring extension panels U1 which are hinged two by two, by means of hinges H, to corresponding panels U2.

Beneath each extension panel U1 are fastened two side extension bars 1 having a stop 4 for engagement against the frame S and two middle extension bars 2 sliding on either side of an arm-cross K placed under the center of the table, the ends of the arms of the arm-cross each carrying a retaining slab 3 which in the drawn-out position of the panels U1 prevent the latter from tilting down.

In non-extending condition the four pairs of middle extension bars 2, 2 meet just under the middle of the table in the embodiment shown in FIG. 1. However, the extension panels may be so large in comparison to the central table top P that it is desirable to make the middle extension bars cross one another under the middle of the table.

In that case one may make an arrangement to the effect that the middle extension bars, in two diametrically opposite one another placed extension panels, may be staggered in the same plane so that they may pass one another without collision. The two oppositely directed arms of the arm-cross K should in this case also be staggered a little in relation to one another. The other pair of diametrically oppositely arranged middle extension bars should then also have a profile which is slightly modified in comparison to the middle extension bars 2 shown in FIG. 2. A profile modified in this way is shown in FIG. 4.

It should be remarked that the profile of the middle extension bars 2 modified in this way has a more abruptly raising edge for engaging the retaining slab 3 and the retaining slabs 3 in this pair of diametrically oppositely arranged retaining slabs are therefore placed lower than the other retaining slabs 3.

Finally it should be remarked that the invention is not restricted to round tables having an undivided central table top. The extension may also be used in for instance the table shown in FIG. 3 which has a square middle top P and rectangular extension panels U1 and U2 according to otherwise the same principle as in FIGS. 1-3.

Irrespective of the form of the table, the support of the panels U2 which may be folded out from the panels U1 is preferably simply arranged by means of stops placed under the central table top; these stops may preferably be pushed away under the edge of the table top when the table is used with its small diameter.

Between the four sets of extension panels there will be openings under the central table top. These openings may, if desired, be filled with suitable shaped wooden blocks whereby the table will obtain a more handsome look when the table panels are not drawn out.

The present extension may also be used for oval and elliptical tables.

I claim:

1. An extension table comprising a table with an undivided central table top (P) overlying a supporting frame and extension panels which may be added by drawing out, characterized by the fact that beneath the central table top (P) there is arranged a fixed four-armed arm-cross (K) on each of the arms of which there is fastened a retaining slab (3) and that each extension panel (U1) near its edges have short side extension bars (1) and near its middle have long middle extension bars (2) slidably mounted about one arm of said arm-cross, the said extension bars all resting upon the frame (S) of the table and the middle extension bars (2) engaging the underside of a retaining slab (3) for preventing tilting down of the panel.

2. A table comprising

a central table top;

a four-armed arm cross under said table top;

a retaining slab mounted on each respective arm of said cross;

a frame beneath said table top and disposed about said arm cross;

a plurality of extension panels;

a pair of middle extension bars secured medially to alternate ones of said panels, said middle extension bars being slidably mounted about a respective

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one of said arms of of said arm cross while slidably resting on said frame and slidably engaging a slab on said one arm for preventing tilting down of said panel; and
a pair of spaced apart side extension bars secured to each said alternate panel to opposite sides of said middle extension bars, said side extension bars

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slidably resting on said frame.
3. A table as set forth in claim 2 wherein said table top is circular.
4. A table as set forth in claim 2 wherein said side extension bars each include a stop for engaging against said frame upon extension of said side extension bars.

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