April 7, 1953 H. DERMAN 2,634,183

ROUND FOLDING SUPPLEMENTAL TABLE TOP

Filed Jan. 28, 1950

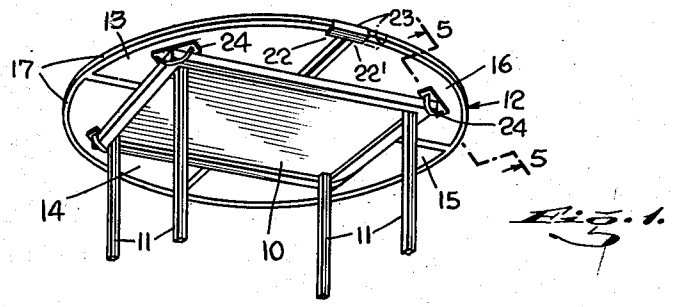


Fig. 1.

Fig. 2.

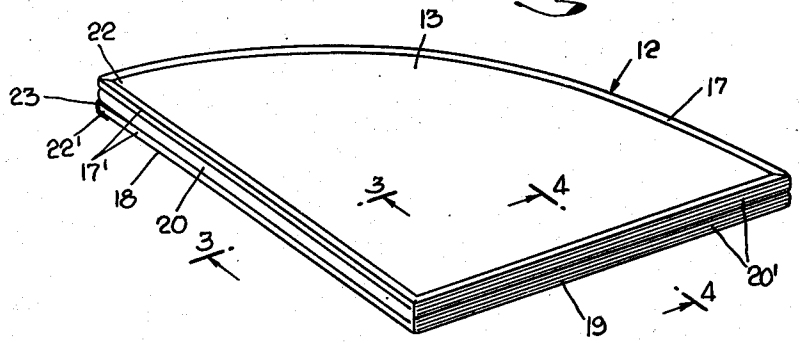
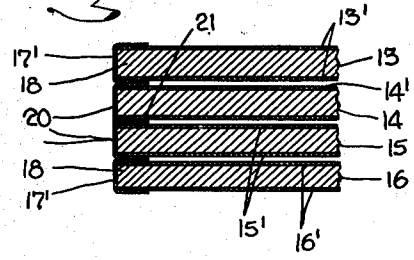


Fig. 3.



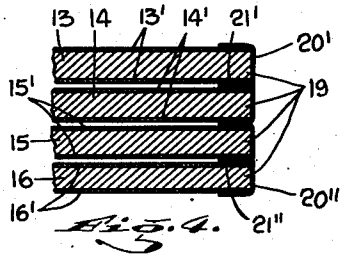


Fig. 4.

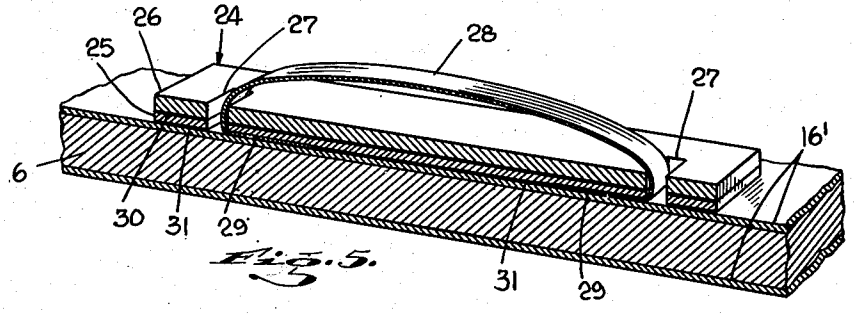


Fig. 5.

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ROUND FOLDING SUPPLEMENTAL TABLE TOP

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2 Claims. (Cl. 311—107)

1

This invention relates to table tops adapted for use on card tables and the like to convert a square table, normally seating four persons, to a round table, around which six or more persons can conveniently seat in playing games or in serving refreshments. More particularly, the invention deals with a collapsible table top of the character described, which can be compactly folded into a quarter section, thus taking up a minimum amount of space for shipment and storage. The novel features of the invention will be best understood from the following description, when taken together with the accompanying drawing, in which certain embodiments of the invention are disclosed and, in which, the separate parts are designated by suitable reference characters in each of the views and, in which:

Fig. 1 is a bottom perspective view illustrating a use of a table top made according to my invention.

Fig. 2 is a perspective view showing the table top on an enlarged scale from that shown in Fig. 1 with parts collapsed into the quarter section.

Fig. 3 is a section on the line 3—3 of Fig. 2 on an enlarged scale.

Fig. 4 is a view similar to Fig. 3, the section being on the line 4—4 of Fig. 2; and

Fig. 5 is a section on the line 5—5 of Fig. 1 omitting the table portion.

To illustrate one adaptation and use of my invention, I have shown at 10, in Fig. 1, a card table having four legs 11 and, at 12, is shown one of my improved round table tops. The table top 12 is formed from four quarter sections which are designated at 13, 14, 15 and 16 in Figs. 3 and 4 of the drawing. These sections can be composed of any suitable material and, in the more economical constructions, will be formed of corrugated-board having upper and lower facings thereon, as indicated at 13', 14', 15' and 16'.

The outer edge portions of all of the sections 13 and 16, inclusive, have binding strips, as indicated at 17, in order to finish and reinforce these edges. In the construction shown, one straight edge portion of each section will be designated by the reference character 18, note Fig. 3, and the other straight edge portion is designated by the reference character 19. At the edge portion 18, the sections 14 and 15 are hinged together, this hinge being formed by two hinge strips 20, 21 in the construction shown. The strip 20 joins outer and edge surfaces of the sections 14 and 15; whereas the hinge strip 21 joins adjacent surfaces. The straight edge

2

portions 18 of the sections 13 and 16 have finishing strips 17', similar to the strips 17.

Considering now the straight edge portions 19 of the sections, here it will be noted that two hinge strips 20', 20'' are employed which are similar to the strips 20. The strip 20 hingedly couples the sections 13 and 14; whereas the strip 20'' hingedly couples the sections 15 and 16. These pairs of sections are further joined at adjacent surfaces by hinge strips, similar to the strip 21, as at 21' and 21''.

As heretofore stated, the construction shown is of a simple, lightweight and economical construction, but in more expensive types of table tops, different hinge constructions can be employed.

With the structure shown, it will appear that the sections 13 and 16 can be extended with respect to the sections 14 and 15 on the hinges 20', 20'', thus producing a half-round double thickness arrangement of the construction, after which the parts can be extended into the round construction by swinging movement of the sections 14 and 15, one with respect to the other on the hinge 20. As a result of this operation, the corner portions 22 and 22' of the sections 13 and 16 will be disposed in abutting relationship to each other, as indicated in Fig. 1.

I employ on one of these corner portions, for example, the corner portion 22', a U-shaped clip 23 which has a frictional engagement with the edge of both sections 13 and 16 and can normally be retained within boundaries of the corner portion 22', indicated in Fig. 2. However, when the sections are extended, the clip 23 is moved onto the corner portion 22 to lap the joint and thus reinforce and retain the sections 13 and 16 against relative movement.

About centrally of each of the sections 13—16, adjacent the outer rounded edges thereof, are secured retaining units 24, all of which are of the same construction and, in Fig. 5 of the drawing, I have shown a section through one of said units. Each unit comprises a thin and relatively soft textured board 25 and a heavier fibre-board 26, both of which have transverse apertures, as at 27, adjacent end portions thereof, through which end portions of an elastic strap 28 are passed. The strap end portions 29 are brought onto the lower surface of the strip 25 and are secured thereto in the manner indicated in Fig. 5. The strips 25 and 26 are further adhesively secured together, as indicated at 30, and the complete unit is adhesively secured to the respective sections, as indicated at 31.

It will be understood that the unit 24 is secured to the facing sheet 16' which sheet is, in turn, adhesively or otherwise secured to the body portion of the section 16. The elastics 28 provide a simple method of attaching the various sections to corner portions of the table 10 in the maner diagrammatiacllly illustrated in Fig. 1 of the drawing. This holds the various sections down firmly upon the table and also retains the table top against shifting displacement with respect to the table. By virtue of the hinge construction employed, the various sections are foldable into the quarter form shown in Fig. 2 which simplifies storage and packaging of the complete table top.

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

1. A collapsible card table top, comprising four similar paperboard quarter sections, adjacent side edge portions of the quarter sections being hinged together by strip hinges in such manner as to leave one of the adjacent edges of two sections free, means freely slidable on and bridging peripheral edge portions of said last named free sections where they abut to hold said sections together in forming an extended table top, means on the lower surface of each section centrally intermediate side edge portions thereof for securing the sections to the corner portion of a card table, said last named means comprising a unit consisting of two elongated apertured strips, an elastic strap having its ends extending through the apertures of said strips, said strips being secured together, and means adhesively securing the unit to the lower surface of a section.

2. A round table top of the class described, comprising four paperboard sections having curved outer peripheral edges, each section having upper and lower facings, said sections being hingedly coupled at their adjacent side edges and free at side edges of two sections to dispose said sections one upon the other in collapsing thereof forming a package defined by the contour of one section and thickness of the combined sections, a curved U-shaped clip frictionally and slidably mounted on peripheral edges of said free sections for securing said free sections together, when the table top is in set-up condition, means overlying outer edges of both facings for reinforcing peripheral edges of all of said sections, the hinge coupling between said sections comprising hinge strips secured to upper and lower surfaces of the sections, elastic bands on the lower surface of each section centrally intermediate side edges thereof for securing the table top to a supporting table, and strips adhesively secured to said bands and to the lower surface of said sections for securing the bands in position.

HARRY DERMAN.

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