Feb. 19, 1963 H. L. WOLF 3,078,095

COLLAPSIBLE GAME TABLE

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FIG. 1

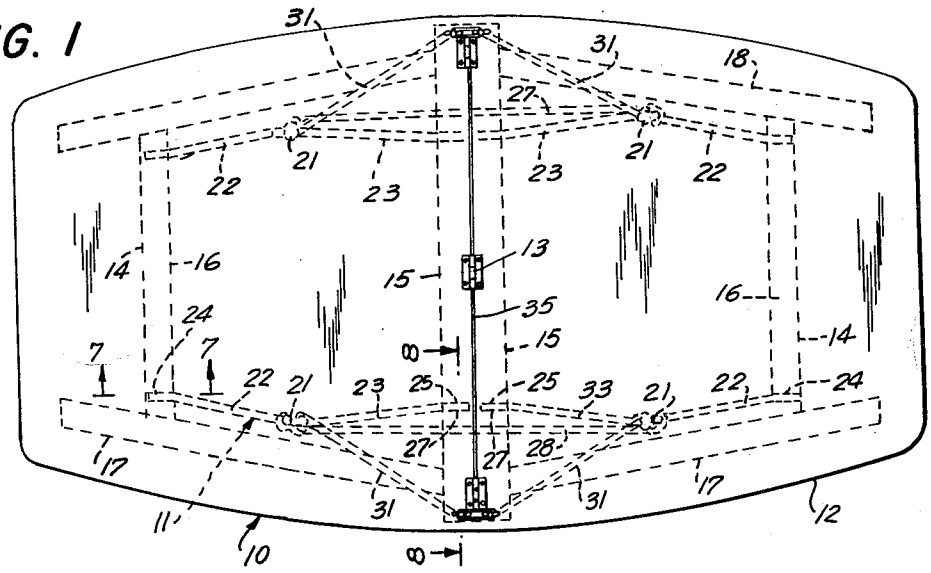


FIG. 2

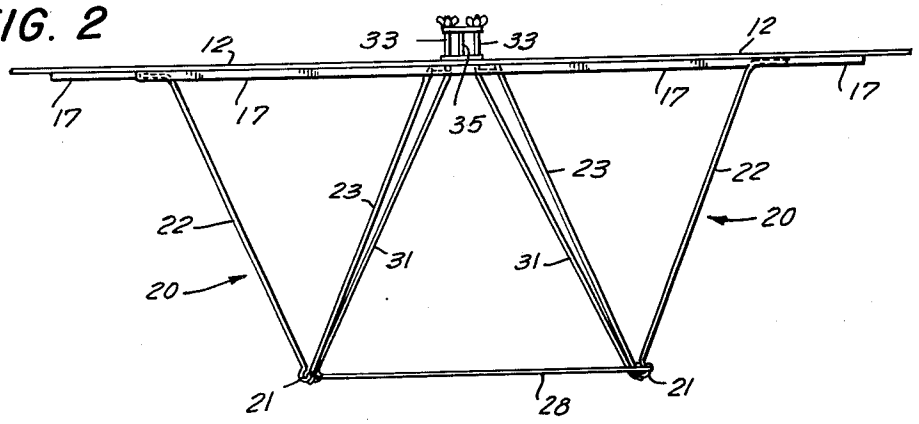
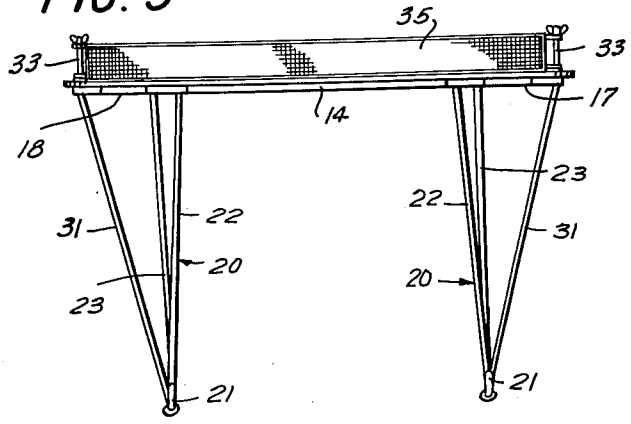


FIG. 3



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FIG. 4

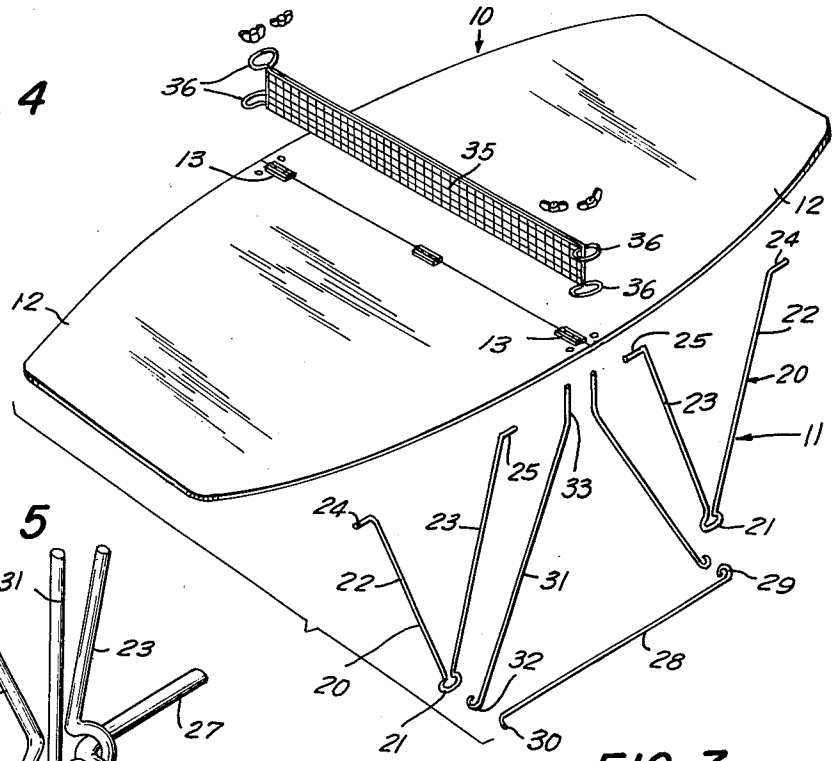


FIG. 5

FIG. 6

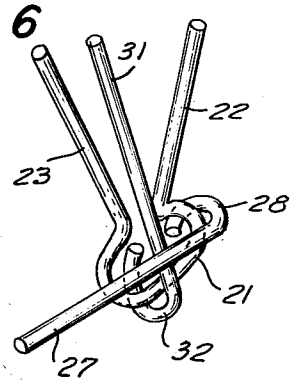
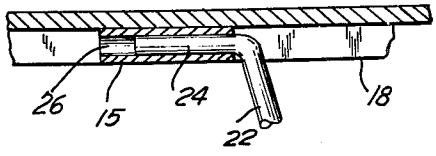


FIG. 7



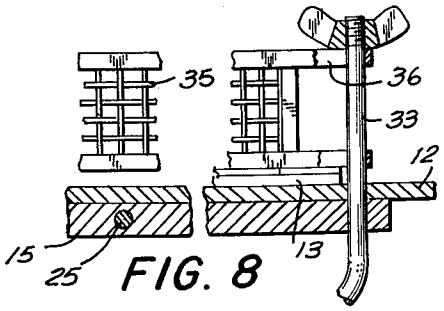


FIG. 8

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COLLAPSIBLE GAME TABLE

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This invention relates to a collapsible table and has particular reference to a collapsible Ping-pong table and the like.

An object of the invention is to provide a collapsible table having an improved construction of foldable table top and rigid supporting leg structures therefor.

Another object of the invention is to provide a collapsible table which may be expeditiously and conveniently set up from collapsed condition for use in playing the game of Ping-pong and the like and which may be readily collapsed and disposed in compact formation for storage.

Another object of the invention is to provide a rigid supporting leg structure for each side of the table consisting of parts which may be hooked together for connecting the same in set up relation and to which a playing net for the game of Ping-pong and the like is adapted to be affixed for disposing the same in upright relation on the table top.

Still another object of the invention is to provide a supporting leg structure for each side of the table having means connecting the leg members together and retaining the foldable table sections in planetary formation.

With the foregoing and other objects in view, reference is now made to the following specification and accompanying drawings in which the preferred embodiment of the invention is illustrated.

In the drawings:

FIG. 1 is a top plan view of a collapsible table constructed in accordance with the invention and showing the supporting leg structures in broken lines.

FIG. 2 is a view in side elevation thereof.

FIG. 3 is a view in end elevation.

FIG. 4 is a collective perspective view of the table with the parts thereof shown in separated juxtaposition.

FIG. 5 is an enlarged fragmentary perspective view showing the interconnections of the parts forming one of the legs of one of the supporting leg structures.

FIG. 6 is a similar view showing the interconnection of the parts forming another one of the legs of said supporting leg structure.

FIG. 7 is an enlarged fragmentary sectional view taken approximately on line 7—7 of FIG. 1.

FIG. 8 is a fragmentary sectional view taken approximately on line 8—8 of FIG. 1.

The table is illustrated in the drawings in its application for playing the game of Ping-pong or table tennis and the like thereon, and for this purpose the table is provided with a net disposed in supported relation medially thereof. However, any desired type of net or other means may be arranged on the table for playing other types of games. As illustrated, the table includes a table top 10 and a supporting structure 11 for each side of the table which extend longitudinally of the table top adjacent the opposite sides thereof. The table top is preferably of wooden construction so as to provide the proper foundation for the bounce of the balls in playing the game of Ping-pong, table tennis and the like and includes similar end sections 12 which are connected together medially of the length of the table top by a plurality of transversely spaced hinges 13 which permit of the folding of the table top into parallel relation with the upper faces thereof disposed in adjacent relation for protecting the playing areas thereof when the table is not in use.

The sections 12 of the table top are reinforced by frame

structures 14 respectively of wood or the like which are rigidly secured against the under faces thereof. The frame structures 14 includes inner and outer strips 15 and 16 which extend transversely of the table top with the inner strips 15 located adjacent the inner edges of the sections respectively and with the outer strips 16 disposed in spaced relation from the outer edges thereof. The said frame structures also includes oppositely disposed side strips 17 and 18 which extend longitudinally of the table top in spaced relation from the side edges thereof and which are rigidly connected with the inner and outer strips 15 and 16.

The supporting structure 11 for each side of the table include leg members 20 preferably of metal bars and the like. Each of the leg members 20 include a loop 21 at the lower end thereof and upwardly extending divergent leg portions 22 and 23 having offset upper ends 24 and 25 respectively which are releasably secured in socket openings 26 and 27 respectively in the inner and outer strips 15 and 16 respectively. The supporting structure at each side also includes a connector member 28 in the form of a latch having an eye 29 at one end and a hook 30 at the other. The eye 29 engages the loop 21 of one of the leg members 20 of each supporting structure 11, as shown in FIG. 6 of the drawings and the hook 30 releasably engages through the loop 21 of the other leg member 20 thereof as shown in FIG. 5. Thus the connector members 28 secure the leg members 20 of the supporting structures 11 in rigidly spaced apart relation and the table sections 12 in planetary formation. The supporting leg structure 12 at each side extend substantially longitudinally of the length of the table top and substantially midway between the outer side edge and the longitudinal center line thereof, with the loops 21 constituting the supporting feet located substantially midway between the inner and outer strips 15 and 16 of the sections. Each of the leg members 20 are retained against sidewise movement by means of a brace or strut 31 having a hooked lower end 32 and a vertically disposed upper end 33. The hooked ends 32 are adapted to releasably engage the loops 21 of the leg members 20 as shown in FIGS. 5 and 6 of the drawings and to extend laterally therefrom in angular relation to the plane of the leg members with the upper ends 33 thereof secured in aligned openings in the strips 15 and the table sections 12. The upper ends 33 extending upwardly above the table top for mounting a net 35 thereon.

The net 35 may be of any desired construction and, as illustrated, preferably the same is of woven construction having bindings at the top and bottom thereof and with upper and lower elastic loops 36 connected with the bindings. The loops 36 are expanded to tightly engage the protruding upper ends 33 of the braces or struts 31 for retaining the net in operative position on the table top. Wing nuts or the like threadedly engage the upper ends 33 for retaining the loops 36 thereon.

It will be understood that the table may be readily collapsed by removing the first wing nuts and the net and then releasing the connector members 28 to permit of the withdrawal of the leg members 20 and the braces or struts 31 from the sockets and openings in the table sections. The table top may then be folded to dispose the sections thereof in adjacent parallel relation so as to dispose all parts of the table in compact formation for storage.

While the preferred form of the invention is shown and described herein, it is to be understood that the same is not so limited but shall cover and include any and all modifications thereof which fall within the purview of the invention.

What is claimed is:

1. In a collapsible table, a table top consisting of oppositely disposed similar sections hingedly connected to-

gether for folding into substantially parallel relation for protecting the upper faces thereof when in collapsed formation, supporting structures for said table top arranged one on each side thereof, said supporting structure at each side consisting of a pair of leg members arranged below the sections respectively, said leg members including loops at the lower ends thereof forming feet for engagement with a supporting surface and having upper ends releasably engaging in sockets in the sections, said supporting structure at each side also including a connector member connected with the loop of one of the leg members thereof and adapted to be releasably connected with the loop of the other leg member whereby the leg members are rigidly connected together and the table sections secured in planetary formation, and a brace member releasably connected with the loop of each of said leg members and releasably engaging in a socket in the table top for preventing sidewise movement of said leg members.

2. In a collapsible table, a table top consisting of oppositely disposed similar sections hingedly connected together for folding into substantially parallel relation for protecting the upper faces thereof when in collapsed formation, supporting structures for said table top arranged one on each side thereof, said supporting structure at each side consisting of a pair of leg members arranged below the sections respectively, said leg members including loops at the lower ends thereof forming feet for engagement with a supporting surface and having upper ends releasably engaging in sockets in the sections, said supporting structure at each side also including a connector member connected with the loop of one of the leg members thereof and adapted to be releasably connected with the loop of the other leg member whereby the leg members are rigidly connected together and the table sections secured in planetary formation, a brace member releasably connected with the loop of each of said leg members and having upper ends extending through sockets in the table top, and a net for a game releasably engaging the protruding ends of said brace members for retaining said net in operative position on the table top.

3. In a collapsible table, a table top consisting of oppositely disposed similar sections hingedly connected together for folding into substantially parallel relation for protecting the upper faces thereof when in collapsed formation, supporting structures for said table top arranged one on each side thereof, said supporting structure at each side consisting of a pair of leg members, means releasably connecting said leg members with said sections respectively, a connector member for each pair of leg members, interengageable means carried by said connector members and the lower ends of said pair of leg members releasably connecting each of said pair of leg

members together and retaining the table sections in planetary formation, a brace member for each leg member, means releasably connecting said brace members with the table top, and interengageable means carried by said brace members and said leg members releasably connecting said brace members with said leg members respectively for preventing sidewise movement of said leg members.

4. In a collapsible table, a table top consisting of oppositely disposed similar sections hingedly connected together for folding into substantially parallel relation for protecting the upper faces thereof when in collapsed formation, supporting structures for said table top arranged one on each side thereof, said supporting structure at each side consisting of a pair of leg members, means releasably connecting said leg members with said sections respectively, a connector member for each pair of leg members, interengageable means carried by said connector members and the lower ends of said pair of leg members releasably connecting each of said pair of leg members together and retaining the table sections in planetary formation, a brace member for each leg member, means releasably connecting said brace members with the table top, interengageable means carried by said brace members and said leg members releasably connecting said brace members with said leg members respectively for preventing sidewise movement of said leg members, said brace members protruding through the table top adjacent the inner edges of said sections, and a net for a game releasably engaging the protruding ends of said brace members for retaining said net in operative position on the table top.

5. In a collapsible table, a table top consisting of oppositely disposed similar sections hingedly connected together for folding from planar relation to substantially parallel relation, supporting structures for said table top arranged one on each side thereof, said supporting structure at each side consisting of a leg member removably connected with each section, a connector member joining said leg members at each side and removably connected therewith, a brace member for each leg member removably connected with the lower ends thereof respectively, said brace member protruding through the table top adjacent the inner edges of said sections, and a net for a game releasably engaging the protruding ends of said brace members for retaining said net in operative position on the table top when in planar relation.

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