Nov. 5, 1968 J. J. HAMILTON ET AL 3,408,965

STACK TABLE

Filed Jan. 11, 1967 2 Sheets-Sheet 1

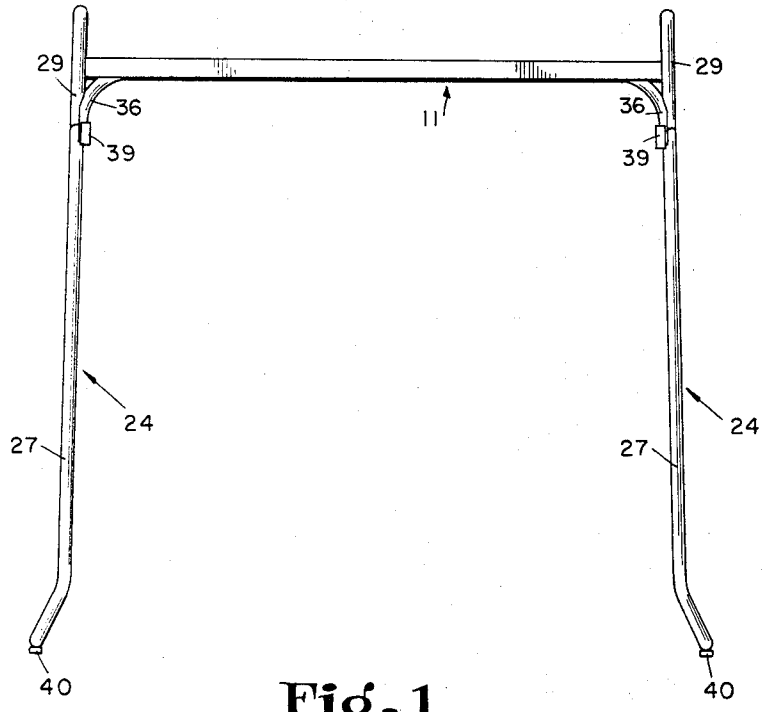


Fig. 1

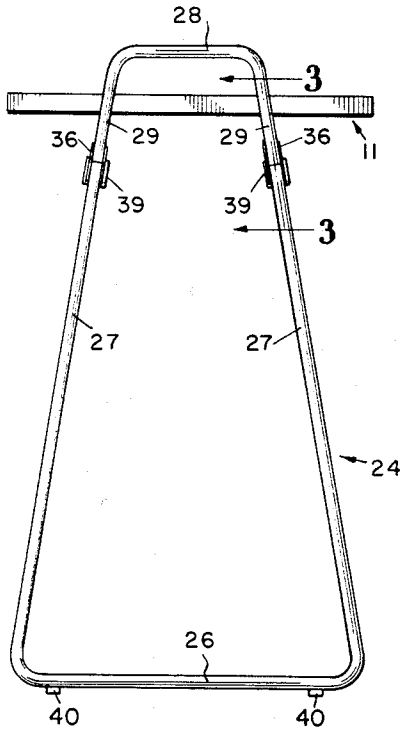


Fig. 2

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STACK TABLE

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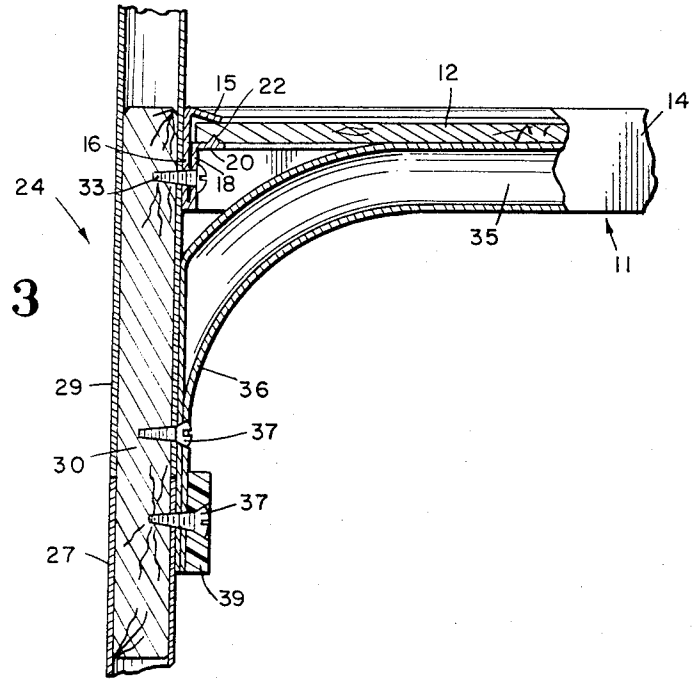


Fig. 3

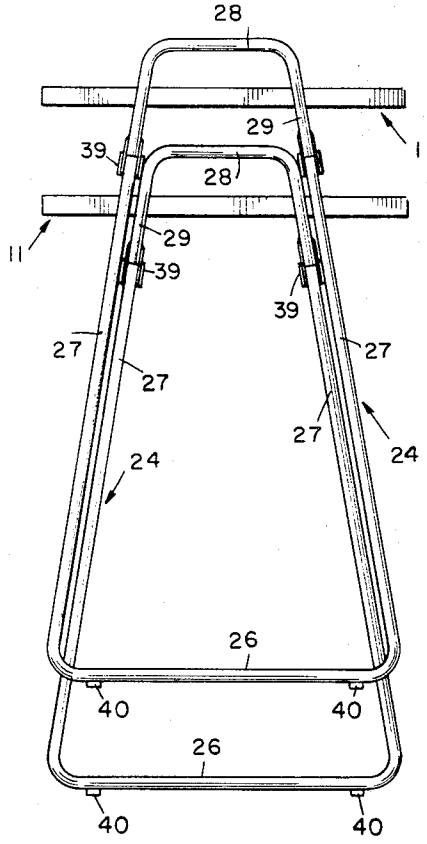


Fig. 4

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STACK TABLE

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ABSTRACT OF THE DISCLOSURE

A table formed from a pair of end frames each comprising a pair of opposed generally U-shaped sections with each section having a pair of leg members interconnected by a transverse bight. The leg members in each pair of sections are in abutting engagement and are interconnected to each other to form the end frames. A top extends between the end frames and is connected to the inner faces thereof. A pair of braces also extends between and is interconnected to the end frames at the juncture of their U-shaped sections and engages the lower faces of said top.

This invention relates to a table, and more particularly to a stackable table.

Summary of the invention

In accordance with one form of the invention a table top is connected to a pair of end frames. Each of said frames comprises a pair of downwardly diverging leg members interconnected at the upper and lower ends by a pair of transverse stretches. The frames are interconnected by a pair of longitudinal braces connected to the frame leg members adjacent the upper ends thereof. The table top rests on said braces and is fastened at its opposed ends to the inner faces of said frames. Thus, said table is stackable upon another table with their end frames disposed in substantially the same vertical planes and their tops in vertically spaced relationship. Conveniently, resilient bumpers are mounted on the inner faces of the end frames adjacent their connections to said braces to prevent marring or scratching the stacked tables.

Brief description of the drawing

The accompanying drawings illustrate the invention. In such drawings:

FIG. 1 is a front elevation of a table embodying the invention;

FIG. 2 is an end elevation of the table shown in FIG. 1;

FIG. 3 is an enlarged vertical section taken on line 3—3 of FIG. 2; and

FIG. 4 is an end elevation of a pair of the tables shown in FIG. 1 stacked one upon the other.

Detailed description

As shown, the table is provided with a top **11** comprising a rigid panel **12** having a peripheral molding **14** mounted thereon. As shown in FIG. 3, the molding has an inwardly projecting lip **15** at its upper edge overlying the adjacent margin of panel **12**. Said lip is connected to a downwardly bent outer stretch **16** normal to panel **12** and extending therebelow. The lower end of the stretch **16** is connected to a parallel upwardly projecting inner stretch **18** terminating at its upper end in an inwardly projecting lip **20** abutting the lower margins of the panel **12**. As shown in FIG. 3, the lip **15** is angled downwardly from stretch **16** into engagement with the upper face of panel **12** and lip **20** has portions **22** staked into the lower face of said panel for securely mounting the molding on the panel.

The top **11** is connected to a pair of end frames **24**.

Conveniently, said end frames are formed from lengths of metal tubing and are identical in construction. As shown in FIG. 2, each end frame comprises a generally U-shaped lower section having a transverse bight **26** interconnecting a pair of upwardly projecting inwardly angled legs **27**. The upper portion of each of the end frames is formed from a U-shaped upper section having a transverse bight **28** interconnecting a pair of downwardly projecting outwardly angled legs **29**. Thus, as shown in the drawings, the legs **27** and **29** diverge laterally and longitudinally outwardly from the top to the bottom of the end frames resulting in the bights **26** being longer than bights **28** and disposing bights **26** longitudinally outwardly from bights **28**. The legs **27** and **29** abut each other at their adjacent ends and are retained in alignment with each other by dowels **30**.

The legs **27** are flared outwardly at their lower ends to disposed the bights **26** outwardly from the upper portions of the legs **27**, the legs **29** and bights **28**. This gives the table a wider base and a longitudinally diverging leg assembly to facilitate the stacking of one table upon another. Conveniently, each bight **26** has a pair of snubber feet **40** mounted on its lower surface.

As shown in FIG. 3, the top **11** is mounted on the inner faces of the end frames **24** by screws **33** carried in the molding stretches **16** and **18** and threadably received in the frame legs **29** and dowels **30**. With the top being connected to the legs **29**, the bights **28** will be disposed above the top **11** to provide a pair of handles at the ends of the table.

The top **11** rests on a pair of parallel braces **35** conveniently formed from lengths of metal tubing. The ends **36** of the braces **35** are collapsed and bent downwardly to abut the inner faces of the frame legs **27** and **29** at their junctures. As shown in FIG. 3, screws **37** extend through the brace ends **36**, legs **27** and **29**, and into the dowels **30** for thus mounting the braces on the end frames and holding the two opposed U-shaped sections of said end frames together. Desirably, resilient bumpers **39** are mounted on the inner faces of the brace ends **36** by the screws **37** to protect the tables against mars or scratches when they are stacked.

As shown in FIG. 4, with a plurality of the tables in stacked position, the frame legs **27** and **29**, because of their tapered configuration, will lie in substantially the same vertical planes with the bumpers **39** holding the legs on adjacent tables in spaced relation. When the tables are stacked, their tops **11** will be in parallel vertically spaced horizontal planes thereby providing a plurality of vertically spaced compartments between adjacent tops.

We claim:

1. A table, comprising a pair of ground-engageable tubular end frames each of which is formed from a pair of opposed generally U-shaped abutting sections having pairs of aligned leg members interconnected by transverse bights at the upper and lower ends of said frame, means carried in said end frames interconnecting the leg members in said pairs of section, said leg members diverging outwardly from the upper to the lower ends of said frames, a top mounted on the inner faces of said end frames, and a pair of braces extending between and connected to the inner faces of said end frames at the juncture of their U-shaped sections and engaging the lower face of said top.

2. A table, comprising a pair of tubular ground-engagable end frames each of which is formed from a pair of opposed generally U-shaped sections interconnected by transverse bights at the upper and lower ends of said frame, a plurality of dowels received in and extending between the adjacent ends of the leg members in the pairs of sections, a top mounted on the inner faces of said end frames, a pair of braces extending under said top, each

end of each of said braces abutting the adjacent ends of a pair of the leg members in a pair of said sections, and fastening means extending through each of said brace ends and the pairs of leg members in said sections for reception in said dowels.

3. The invention as set forth in claim 2 with the addition that said fastening means mount a plurality of resilient members on the inner ends of said brace ends.

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