Dec. 6, 1966 D. FRAZIER 3,289,614

MULTI-DECK TABLE

Filed June 21, 1965

FIG. 1

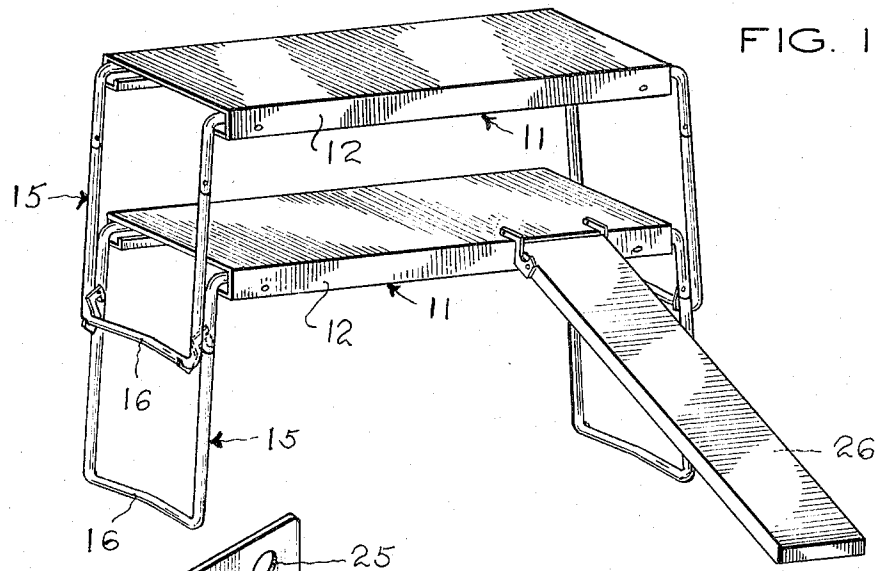


FIG. 2

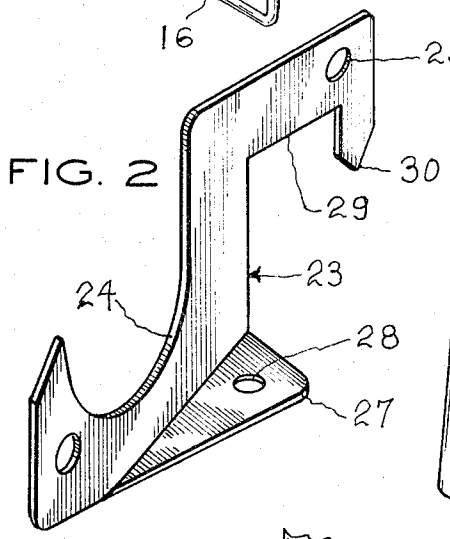


FIG. 3

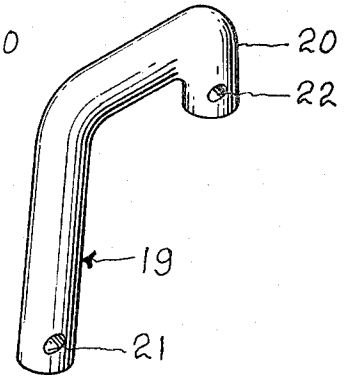


FIG. 4

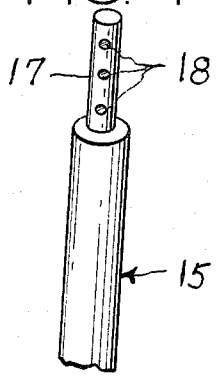


FIG. 5

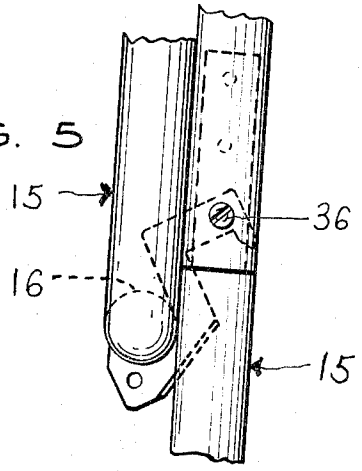
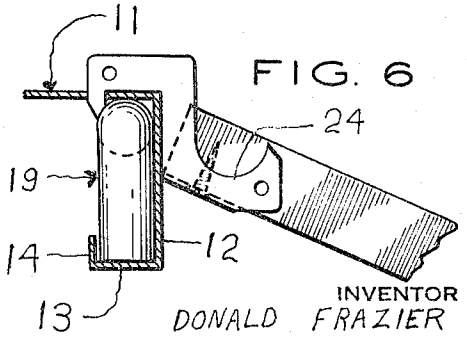


FIG. 6



INVENTOR
DONALD FRAZIER
BY Norman N. Popper
ATTORNEY

United States Patent Office

3,289,614

Patented Dec. 6, 1966

3,289,614

MULTI-DECK TABLE

Donald Frazier, R.D. 1, Mendham Road, Far Hills, N.J.

Filed June 21, 1965, Ser. No. 465,434
4 Claims. (Cl. 108—91)

The invention relates generally to tables and specifically to tables having several decks.

It is an object of this invention to provide tables that have a plurality of surfaces to hold articles.

It is another object of this invention to provide tables that are stackable, the one above the other.

Yet another object of this invention is to provide a table spaced sufficiently above the surface upon which it rests, to permit the hood of a motor vehicle to pass under it. These objects and advantages as well as other objects and advantages may be attained by the device shown by way of illustration in the drawings in which

FIGURE 1 is a perspective view of the multi-deck table, with a loading ramp attached;

FIGURE 2 is a perspective view of the dual-purpose hook;

FIGURE 3 is a perspective view of the separate top portion of the legs;

FIGURE 4 is a perspective view of the unitary top portion of one of the pair of legs;

FIGURE 5 is a vertical elevational, partial view of the legs of two tables connected together by the hook shown in FIGURE 2; and

FIGURE 6 is a partial vertical elevational view of the engaged portion of the legs and tables, and also the engaged portion of the ramp and tables.

Where storage space is at a premium, as, for example, in a garage, a multi-deck table will be useful, particularly if it is so dimensioned to permit a portion of the front end of an automobile to go beneath it. Such a table is hereafter described. It is made of commonly available parts, so that its cost may be low.

First and second table tops **11, 11** are provided. They are generally flat sheets with dependent flanges **12, 12** on each longitudinal side-edge. The bottom **13** of the flange **12** is bent over horizontally and there is a vertical bent over portion or lip **14** to define a channel to receive the end of a leg **15**.

The legs **15** are preferably arranged in pairs, made of aluminum tubing and interconnected by integral, generally horizontal bars **16**. The upper end of each leg is preferably made in two parts. A pair of legs **15, 15** joined by the integral horizontal bar **16** (the first part) is generally U-shaped. The upper ends are provided with an extension **17** having a cross-sectional area somewhat less than that of the legs **16**. The extension has a plurality of holes **18** for selective, adjustable engagement wih the second part **19**.

The second part **19** is an inverted L shaped, tubular member with a down-turned end **20**. A hole **21** at one end permits selective engagement with the holes **18, 18**, so that the table **11** may be adjustable in height. A hole **22** in the other end, enables fastening in the channel of the table-top **12**. Bolts, pins, and the like may be used. The second part **19** is dimensioned so that it fits snugly in the channel of the table top **12**.

The legs of the first table **11** are each provided with dual purpose hooks **23** which are pivotably attached to the legs **15**, with the curved seat **24** facing upwardly, and the hole **25** as the pivot point. The same screw or bolt **36** that attaches the leg **15** to the second part **19** may be used to attach the hook **23**. Since the legs **15** may be disposed in an outward and downward direction from the table top **11**, the pivotable hook **23** permits adaptation of the horizontal bar **16** of a superposed second table **12**.

A ramp **26** may be used to move articles onto and off of the tables **11, 12**. The hook **23** may be used to attach the ramp **26** to the table-tops **11, 12**. The hook **23** has a flange **27** that is attached to the bottom of the ramp **26** by a bolt or screw passed through the hole **28**. A similar hook **23** (reversed in form) is attached to the other end of the ramp **26**. The hook **23** has a flat portion **29**, terminating in a piercing spike **30** which may be caused to penetrate the table top **11, 12** for secure seating attachment. The ramp **26** may be extended to either the first or second table-tops **11, 11**.

The foregoing description is merely intended to illustrate an embodiment of the invention. The component parts have been shown and described. They each may have substitutes which may perform a substantially similar function; such substitutes may be known as proper substitutes for the said components and may have actually been known or invented before the present invention; these substitutes are contemplated as being within the scope of the appended claims, although they are not specificially catalogued herein.

What is claimed:

1. A multi-deck table comprising:
(a) a lower table top;
(b) legs attached to the lower table-top and extending in an outward and downward direction;
(c) at least a portion of each leg extending beyond the end of the said lower table-top;
(d) an upper table-top;
(e) legs attached to the upper table-top and extending in a downward direction;
(f) horizontal bars integral with pairs of legs of the upper table-top;
(g) hooks pivotably attached to the legs of the lower table-top and supporting the horizontal bars;
(h) each hook comprising a flat member;
(i) an arcuate seat on one edge of the flat member;
(j) a flange generally perpendicular to the plane of the flat member formed on the flat member beneath the arcuate seat;
(k) a top on the flat member extending in a direction opposite the arcuate seat, and,
(l) a piercing member depending from the said top.

2. A multi-deck table comprising the device according to claim **1** in which,
(a) the top on the said flat member has an opening in proximity to its intersection with the piercing member,
(b) the flange has an opening, and,
(c) a pivot pin extends through the leg of the lower table-top and the opening in the top of the flat member pivotally engaging the hook to the said leg, and
(d) a ramp member is connected to one of said table tops by additional hook members secured to said ramp by fastening means extending through the opening in the flanges on the flat members and attached to the ramp with said piercing members engaging one of said table tops.

3. A hook for interengaging multi-deck tables and companion ramps comprising,
(a) a flat member,
(b) an arcuate seat on one edge of the flat member,
(c) a flange generally perpendicular to the plane of the flat member formed on the flat member beneath the arcuate seat,
(d) a top on the flat member extending in a direction opposite the arcuate seat, and,
(e) a piercing member depending from the said top.

4. A hook for interengaging multi-deck tables and companion ramps comprising,
(a) the structure in accordance with claim **3** in which,
(b) the flange is inclined at an angle to the top and

is formed from the flat member by folding a portion thereof at right angles to the plane thereof.

References Cited by the Examiner

UNITED STATES PATENTS

918,553	4/1909	Hoppe	182—209
1,912,947	6/1933	Martin	182—179
2,016,891	10/1935	Clarke	297—217
2,057,092	10/1936	Geib	182—222
2,261,831	11/1941	Farr	182—223
2,587,265	2/1952	Wright	182—223
2,851,311	9/1958	Gibbs	182—222

2,923,432	2/1960	Stanley	220—97

FOREIGN PATENTS

1,344,507	10/1963	France.
922,735	1/1955	Germany.
848,254	9/1960	Great Britain.
928,208	6/1963	Great Britain.
572,138	1/1958	Italy.
83,945	1/1957	Netherlands.

FRANK B. SHERRY, *Primary Examiner.*

FRANCIS K. ZUGEL, *Examiner.*