Feb. 24, 1948. W. LAMBERT 2,436,773

DRAWING TABLE

Filed Aug. 9, 1945

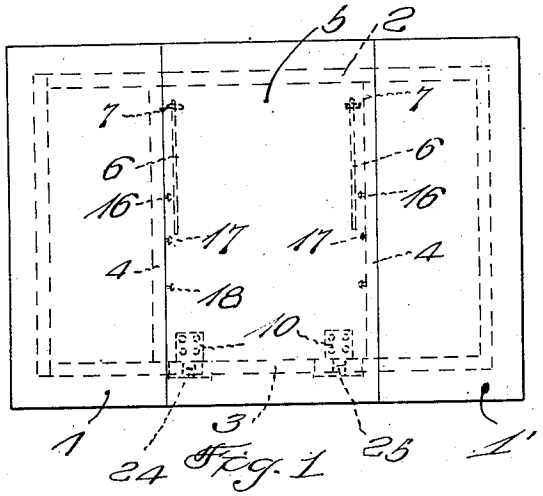


Fig. 1

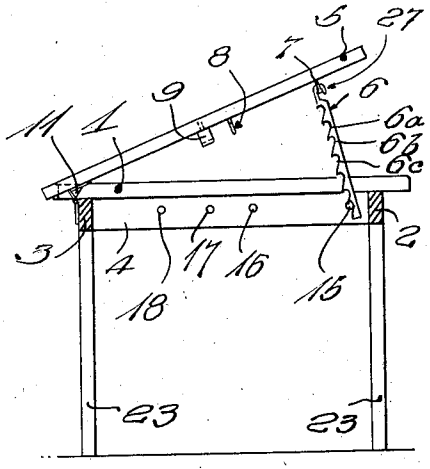


Fig. 2.

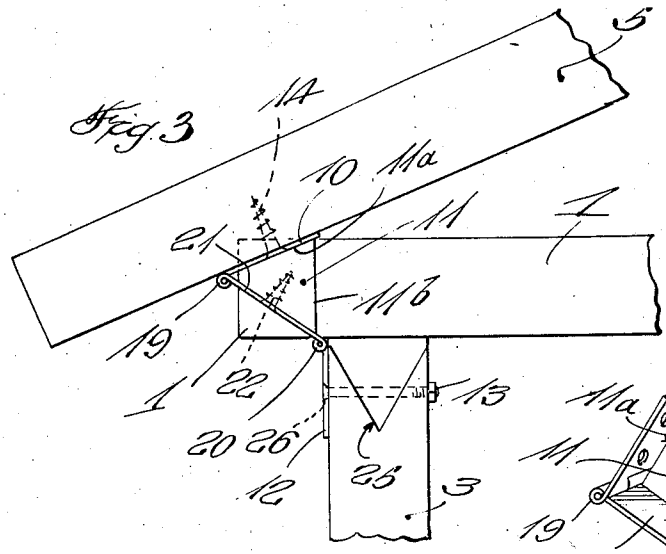


Fig. 3

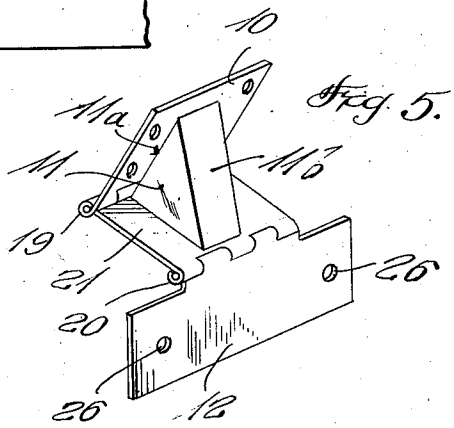


Fig. 5.

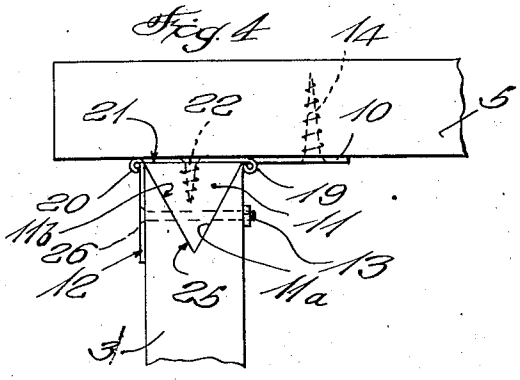


Fig. 4

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Patented Feb. 24, 1948 2,436,773

UNITED STATES PATENT OFFICE

2,436,773

DRAWING TABLE

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Application August 9, 1945, Serial No. 609,841

2 Claims. (Cl. 311—38)

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My invention relates broadly to tables and more particularly to a general purpose table adapted for conversion into an artist's or draftsman's drawing board.

One of the objects of my invention is to provide a composite construction of table which may be readily converted from a flat top support to an artist's or draftsman's drawing board.

Another object of my invention is to provide an arrangement of double top having a sectionalized portion which is angularly displaceable out of the plane of the flat table top for elevation at selected angles for facilitating the use of the table top as an artist's or draftsman's drawing board.

Another object of my invention is to provide a construction of concealed hinge and support for interconnecting a movable section of a table top with the table and enabling the section to be moved to selected angular positions for use as an artist's or draftsman's drawing board.

Other and further objects of my invention reside in the construction of adjustable table top and hinge construction as set forth more fully in the specification hereinafter following by reference to the accompanying drawings in which:

Figure 1 is a top plan view of the table of my invention; Fig. 2 is a transverse sectional view through the table of my invention showing a sectionalized portion thereof elevated for use as an artist's or draftsman's drawing board; Fig. 3 is a fragmentary enlarged end elevational view showing the concealed hinge construction of my invention and the manner of supporting the sectionalized table top at an angle with respect to the main portion of the table; Fig. 4 is a view illustrating a sectionalized portion of the table top dropped to a position in the plane of the other sectionalized portions of the table top when the table is used as a flat support; and Fig. 5 is a perspective view of the multiple section hinge and the supporting means associated therewith for facilitating the supporting of one sectionalized portion of the table top at an angle with respect to the other sectionalized portions thereof.

Referring to the drawings in detail reference characters 1 and 1' designate the flat sections of a table supported by a rear rail 2 and a front rail 3 mounted on suitable legs represented at 23. A pair of cross rails 4 are provided transversely of the table for the purpose of aiding in the support of a central section 5 constituting an artist's or draftsman's drawing board. The central section 5 is normally aligned with the flat sections 1 and 1' of the table and serves as a flat

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top support or usable surface for general purposes.

The front rail 3 is provided with a pair of V-shaped pockets 24 and 25 for normally receiving, concealing and supporting the triangularly shaped blocks 11 that are secured by suitable means such as screw 22 to the central section 21 of the multiple leaf hinge structure shown more particularly in the perspective view in Fig. 5.

The multiple hinge comprises central section 21 and a pair of sections 10 and 12 hingedly connected with central section 21 through the pintles 19 and 20. The triangularly shaped block 11 is secured to the central section 21 of the leaf hinge and in the position illustrated in Fig. 3 serves to support the section 5 of the table top as an artist's or draftsman's drawing board, while in Fig. 4 the triangularly shaped block 11 serves to support the section 5 in alignment with the sections 1 and 1' of the table as a general purpose horizontal surface support. The multiple section hinge has the hingedly connected section 10 thereof secured to the section 5 of the table by means of screw 14. The hinge section 12 is connected to the front rail 3 by suitable means such as bolts 13 which are spaced through apertures 26 in hinge 12 to extend on opposite sides of the V-shaped pockets 25 formed in the front rail 3.

The under surface of the section 5 of the table top is provided with spaced connecting members 7 and 8 which serve as connecting means for the bar member 6. The bar member 6 is provided with spaced notches or recesses 6a, 6b, 6c, etc., which are adapted to engage with the spaced screw or dowel members 15, 16, 17 and 18 disposed at spaced intervals on the interior faces of the transverse rails 4. The bar 6 is provided with a hook-shaped end 27 which is adapted to be engaged selectively in either of the members 7 and 8. Members 7 and 8 are in the form of screw eyes with aligned eyes. Member 9 is in the form of a spring clamp. The object or purpose of spring clamp 9 is to hold the lower end of bar members 6 so that when the drawing board or table top 5 is not in use the bar members 6 are held in a position parallel to the under surface of the drawing board or table top 5. Bar 6 is thus enabled to detachably selectively engage the members 7, 8 or 9 in the under surface of the section 5 of the table top and to selectively engage in any of the notches 6a, 6b or 6c the spaced screws or dowels 15, 16, 17 or 18 for maintaining the section 5 of the table at any desired angle to facilitate the work of the artist or draftsman.

It will be understood that there are a pair of symmetrically arranged multiple hinges and a

pair of symmetrically arranged bars 6 and engaging means therefor arranged as in Fig. 1 beneath the section 5 of the table.

The triangular block 11 serves as a rigid support for the hinged section 5 of the table by having its surface 11*a* thereof bearing directly against the under surface of hinge section 10 when the table top section 5 is elevated as in Figs. 2 and 3, whereas faces 11*a* and 11*b* of block 11 serve as supports for the section 5 of the table top against the V-shaped socket walls in the spaced recesses 25 disposed in the front rail 3. Forces which might tend to distort or twist the parts of the structure are resisted by the coaction of the shaped block 11 and the socket in which the block is adapted to fit.

The table of my invention is particularly suitable for showcard writing, sign painting and artist's and drafting work generally where economy of space is essential and where a general purpose table must be conveniently convertible into an artist's or draftsman's table.

While I have described my invention in one of its preferred embodiments, I desire that it be understood that modifications may be made and I intend no limitations upon my invention other than may be imposed by the scope of the appended claims.

What I claim and desire to secure by Letters Patent of the United States is as follows:

1. A table comprising a multiplicity of flat coextensive sections including a pair of stationary portions and a central movable portion, rail members supporting said portions, one of said rail members having angularly disposed recesses in spaced positions adjacent the top edge thereof, multiple section hinges interconnecting said rail member and the central movable portion of the table, each of said multiple section hinges including a section attached to said rail and a section attached to said central movable portion, an intermediate section pivotally connected at opposite ends with the aforesaid sections and a triangularly shaped block carried by each of said intermediate sections, said blocks being movable out of the angularly disposed recesses in said rail member for supporting the section of the hinges

connected to the central portion of the table and being movable into the recesses for substantially supporting said central movable portion in alignment with said stationary portions.

2. A composite table and drafting board comprising a railed support, a flat top carried by said railed support, an angularly movable plane section constituting part of said flat top, said railed support including a pair of V-shaped recesses disposed therein at spaced intervals, a pair of multiple section hinges, said hinges each including leaf members, one of which is connected to said angularly movable plane section, the other of said leaf members being connected with said railed support on opposite sides of the recess therein, an intermediate hinge member pivotally connected at opposite ends with said leaf members and a triangularly shaped block secured to said intermediate hinge member and having the angular faces thereof operative to establish supporting connection with the faces of the V-shaped recesses in said railed support when said angularly movable plane section is dropped to a position in a plane with the table top, one of said angularly disposed faces serving to support the leaf member which connects with said angularly movable plane section when said angularly movable plane section is elevated with respect to the table top.

WALTER LAMBERT.

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