May 2, 1933. J. H. DEMINT 1,906,552

HINGE FOR TABLE EXTENSION LEAVES

Filed July 17, 1931

FIG 1

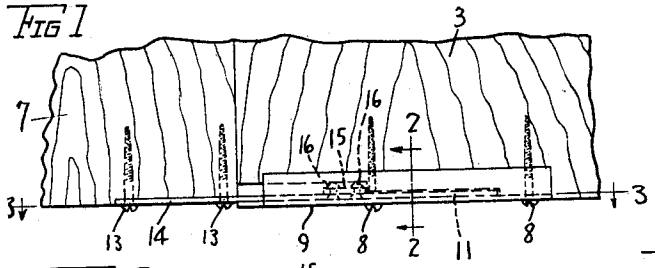


FIG 2

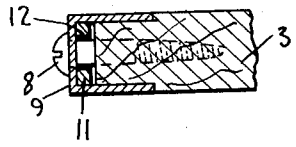


FIG 3

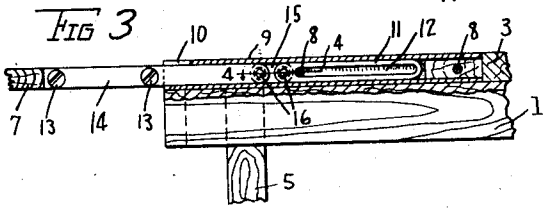


FIG 4

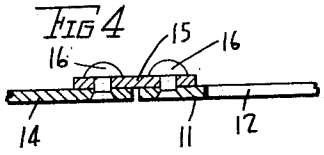


FIG 5

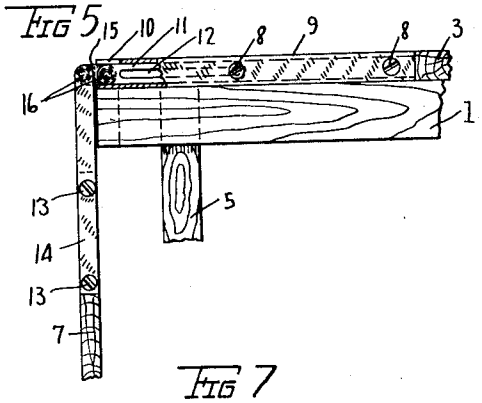


FIG 6

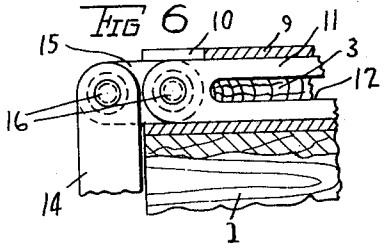


FIG 7

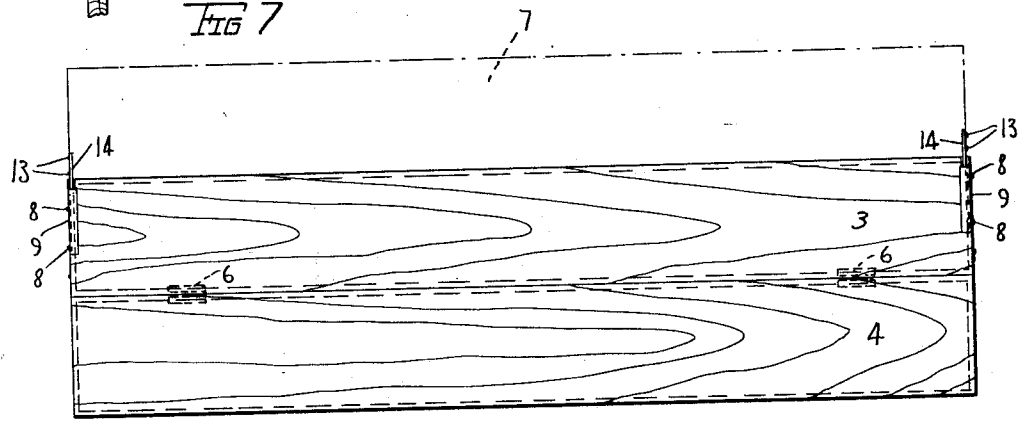
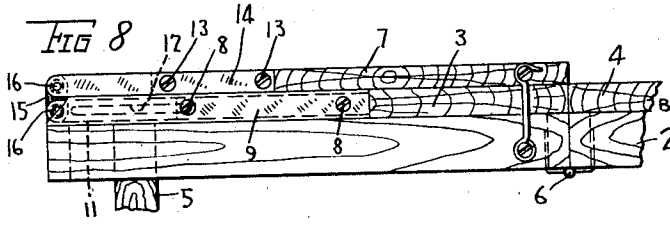


FIG 8



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Patented May 2, 1933 1,906,552

UNITED STATES PATENT OFFICE

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HINGE FOR TABLE EXTENSION LEAVES

Application filed July 17, 1931. Serial No. 551,457.

This invention relates to tables of the kind which are used by wall paper hangers for trimming and pasting the wall paper; it more particularly relating to means for hinging an extra leaf to the table.

The object of the invention is to provide means by which an extra leaf may be permanently hinged to a table of this kind in such a way that the leaf may be supported co-extensive with the table top to enlarge the width of the top, or may hang freely down out of the way when not in use, or may be folded on top of one of the boards of the table top when it is desired to knock down the table.

In the accompanying drawing:

Fig. 1 is a plan view of a portion of a table top and the extra leaf shown equipped with my improvements, the leaf being shown in raised position.

Fig. 2 is an enlarged section on the line 2—2 of Fig. 1.

Fig. 3 is a section on the line 3—3 of Fig. 1.

Fig. 4 is an enlarged section on the line 4—4 of Fig. 3.

Fig. 5 is an end elevation partly in section of a portion of the table and the extra leaf showing the leaf in dropped position.

Fig. 6 is an enlarged view partly in end elevation and partly in section of a portion of the parts shown in Fig. 5.

Fig. 7 is a top plan view on a reduced scale of a table embodying the improvements showing in broken lines the extra extension leaf in raised position to increase the width of the table top.

Fig. 8 is an end elevation of a portion of a table showing the extension leaf folded to a position on top of the table.

Referring to the drawing, there is shown a knock-down table of a well known form such as used by paper hangers for trimming and pasting the wall paper, 1 and 2 representing the members of the table frame, 3 and 4 the two boards forming the top of the table which are secured respectively to the table frame members 1 and 2, and 5 one of the legs which support the table top and its frame. As shown in Fig. 8, the two frame members are hinged together as indicated at 6 so that they may be folded when the table is to be knocked down for storage or transportation, the legs of the table being also foldable in a well known manner not shown in the present case. The extension leaf is indicated at 7, this leaf being as long as the table top but less in width than the board 3 upon which it is folded when it is desired to fold or knock down the table.

Each end of the board 3 of the table top is recessed and secured in each recess by a pair of screws 8 is an elongated U-shaped metallic housing 9 open at its outer end with the upper portion of the outer end thereof cut away as indicated at 10.

Slidably mounted in each housing is a metallic hinge strap 11 having an elongated slot 12 through which one of the screws 8 passes. Secured to each end of the extension leaf 7 by screws 13 is a metallic hinge strap 14 which projects beyond the inner edge of the leaf a suitable distance and is hinged to the corresponding hinge strap 11 by a link 15, rivets 16 being employed to hinge the link to the respective hinge straps.

In operation, when the table is in use the extension leaf ordinarily hangs in the position shown in Fig. 5, in which position the outer end of the hinge strap 11 occupies a position substantially flush with the outer edge of the board 3. If it is desired to increase the width of the table to accommodate wall paper of unusual width, the operator raises the leaf 7 to a horizontal position and pushes the same toward the table top which projects the extended portions of the hinge straps 14 as well as the links 15 into the housings 9, as shown in Figs. 1, 3 and 7, whereby the extension leaf will be supported co-extensive with the table top to thereby increase the width of the table. When it is desired to fold or knock down the table, the extra leaf if occupying the horizontal position shown in the figures last mentioned, will be first pulled away from the table top until the links 15 occupy the position shown in Fig. 5, the screws 8 which extend through the slot 12 coacting with the rear wall of the slot to form a stop, after which the leaf is folded over to the position shown in Fig. 8, the cut-away

portions 10 of the housings accommodating the links so that the links in this folded position will be flush with the outer edge of the board 3 and its frame and the outer edge of the leaf 7 will occupy a position flush with the inner edge of the board 3 as shown in Fig. 8. The leaf is secured in this position by suitable catches such as the hooks 17.

By this arrangement, the extra extension leaf may form a permanent part of the table instead of a separate part as heretofore, and the hinges described not only act to support the leaf co-extensive with the table top to increase the width of the table but also permit the leaf to hang downwardly out of the way when the table is in use or to be folded on top of the table when the table is to be knocked down.

Having thus described my invention, I claim:

1. The combination of a table top and extension leaf, means for hinging the leaf to the top to permit the leaf to hang downwardly at the side of the table or to be folded therewith, and means carried by the table adapted to embrace the hinging means to support the leaf in horizontal position.

2. The combination of a table top and extension leaf, a hinged member secured to each end of said leaf and projecting therebeyond, means for hinging the projecting ends of said members to the table to permit the leaf to hang downwardly or to be laid on the table top, said hinge members being capable of a relative movement with respect to said top to permit the leaf to be positioned adjacent thereto in a horizontal position, and means carried by the table and cooperating with the leaf hinge members to support the leaf in horizontal position.

3. The combination of a table top, an extension leaf, hinge members connected with the respective ends of the table top and leaf, said hinge members being hinged together to permit the leaf to hang downwardly or to be laid on the table top, said hinge members being transversely movable with relation to the table top, and means carried by the table top arranged to embrace the hinge members of said leaf to support the leaf in horizontal position.

4. The combination of a table top, an extension leaf, hinge members secured to the leaf, hinge members slidably mounted on the table, links connecting the respective hinge members to permit the leaf to hang freely or to be laid on the table top, and means on the table to embrace portions of the leaf hinge members when moved in conjunction therewith to support the leaf horizontally.

5. The combination of a table top, an extension leaf, a housing at each end of the table top, a hinge strap slidably mounted in each housing, a hinge strap on each end of the leaf pivotally connected with the table hinge strap to permit the leaf to hang downwardly or to be folded on top of the table, said leaf hinge straps extended beyond the leaf so as to be capable of insertion in the housing to support the leaf in horizontal position.

6. The combination of a table top, an extension leaf, a housing at each end of the table top open at its outer end, a hinge strap slidably mounted in said housings, a hinge strap connected with each end of the leaf and projecting therebeyond, links for pivotally connecting the leaf hinge straps with the table hinge straps to permit the leaf to hang downwardly or to be folded on top of the table, the extended portion of the leaf hinge straps being insertable within the housings, the upper walls of the housings at the outer ends thereof being cut away to accommodate the links when the leaf is folded on top of the table.

7. A table top, an extension leaf, a hinge strap on each end of said extension leaf and projecting therebeyond, a housing on each end of the table top, a slotted hinge strap in each housing, securing means for the housing extending through the slot to coact with the rear wall thereof to form a stop, means for hinging the leaf straps and the table hinge straps together to permit the leaf to hang downwardly or to be laid on the table top, the extension portions of the leaf straps being insertable within the housing to support the leaf in horizontal position.

8. The combination of a table top, an extension leaf, hinge members connected with the respective ends of the table top and leaf, said hinge members being connected together to permit the leaf to hang downwardly at the side of the table or to be folded over onto the top of the table, the hinge member which is connected to the table top being transversely movable with relation thereto, and parts carried by the table top to embrace the hinge member of said leaf to support the leaf in horizontal position with its upper surface in horizontal alignment with the upper surface of the table top.

9. In a table of the character described, the combination of a table top and extension leaf, means for hinging the leaf to the table top to permit the leaf to hang downwardly at the side of the table or to be folded therewith, and means carried by the table adapted to embrace the hinging means to support the leaf in horizontal position, said last mentioned means being constructed to permit all of said hinging means to be confined in horizontal planes bounded by the side edges of the table top when the leaf is folded onto the table top.

In testimony whereof, I have hereunto set my hand this 11th day of July, 1931.

JAMES H. DEMINT.