March 30, 1954 H. SILVERMAN 2,673,775

MEANS FOR JOINING THE CENTRAL LEG ELEMENTS OF A TABLE TO THE TABLE BOARD

Filed May 9, 1952

Fig. 1

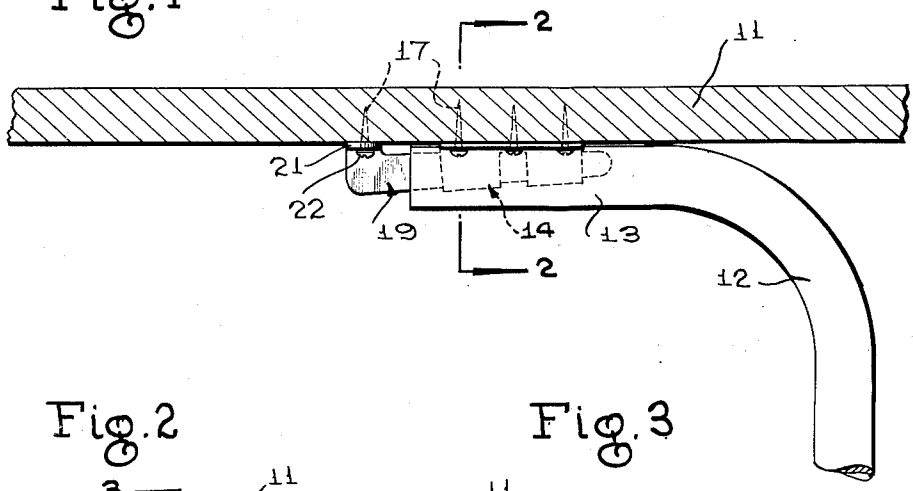


Fig. 2

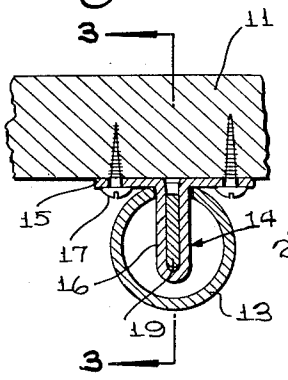


Fig. 3

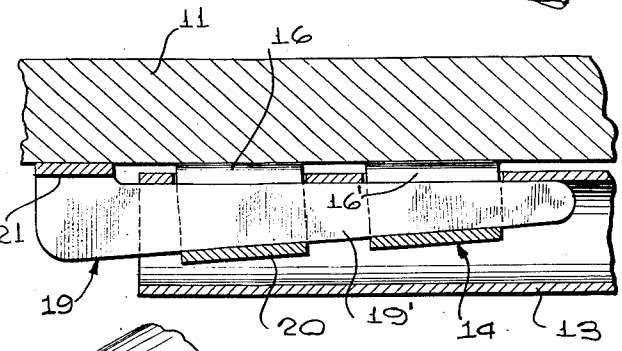
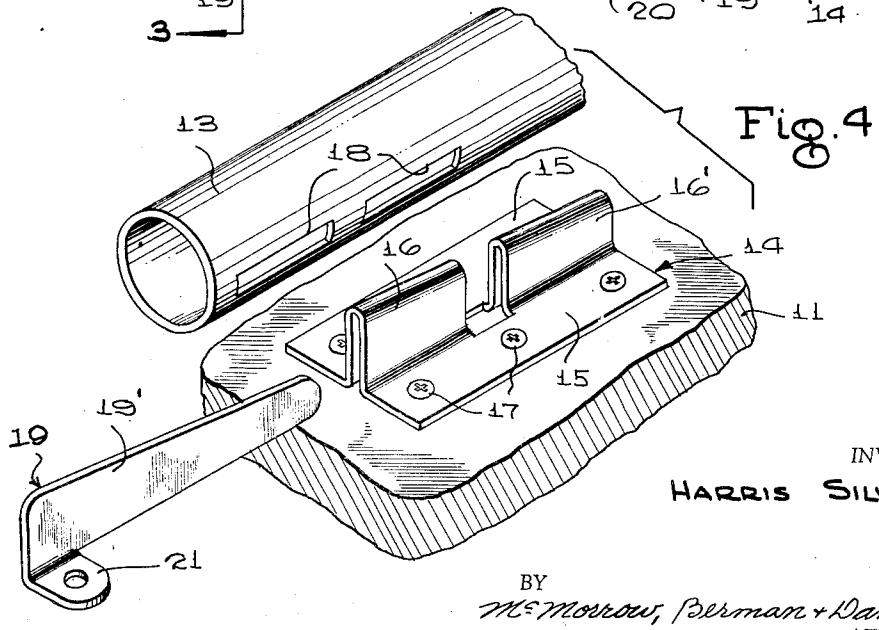


Fig. 4



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MEANS FOR JOINING THE CENTRAL LEG ELEMENTS OF A TABLE TO THE TABLE BOARD

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1 Claim. (Cl. 311—110)

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This invention relates to tables, and more particularly to securing means for connecting the leg elements of a table to the main table board.

The main object of the invention is to provide a novel and improved securing means for connecting a tubular leg element to the main board of a table, the connecting means being simple in construction, involving only a few parts, and being very easy to assemble.

A further object of the invention is to provide an improved fastening means for connecting the top end of a tubular leg element to a table board, the improved fastening means involving inexpensive components, being sturdy in construction, and allowing the leg elements to be readily detached from the table board when desired.

Further objects and advantages of the invention will become apparent from the following description and claim, and from the accompanying drawings, wherein:

Figure 1 is a fragmentary vertical cross sectional view taken through the table board of a table of the type supported on a tubular leg element, showing the employment of an improved fastening structure according to the present invention.

Figure 2 is an enlarged cross sectional detail view taken on the line 2—2 of Figure 1.

Figure 3 is a cross sectional view taken on the line 3—3 of Figure 2.

Figure 4 is an enlarged perspective view showing the elements of applicant's improved fastening means, as employed in Figures 1, 2 and 3, in separated relationship.

Referring to the drawings in detail, a table top 11 has permanently secured to the underside thereof a bracket member designated generally 14 which comprises spaced parallel marginal flanges 15—15 carrying between opposite side edges thereof longitudinally spaced aligned substantially U-shaped keepers 16 and 16' which diminish in height as one end of the bracket member 14 is approached. The flanges 15 are permanently secured to the table top by suitable screws 17, as shown in Figures 1 and 4 with the keepers 16 and 16' projecting substantially perpendicularly from the table top.

A leg 12 carries adjacent one end a laterally extending tubular arm 13 and formed in the wall of the arm 13 remote from the leg 12 are longitudinally spaced elongated longitudinally extending slots 18—18 for receiving the keepers 16 and 16'. Designated generally at 19 is a key having a tapered tongue 19' which is adapted to be entered through the open end of the tubular arm 13 of the leg 12 and thrust through the keepers 16 and 16'. As shown in Figure 3, the bight portions of the keepers incline toward the flanges as they approach the end of the bracket toward which they diminish in height to engage the inclined edge of the tongue 19' and wedge the arm 13 tightly against the bracket 14. Carried by the key 19 adjacent the larger end of the tongue 19' is a laterally extending lug 21 having an opening

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21' extending therethrough for receiving a fastener such as a screw 22 by means of which the key 19 is secured to the table top 11 and the tongue 19' is retained in the keepers and the leg 12 in proper position on the table top 11.

It will be readily apparent that after the tongue 19' has been inserted into tight wedging relationship through the keepers 16 and 16' and has been forced inwardly through said loops as far as it will go, the key member 19 may be locked in this position by means of the screw 22. Thus the leg 12 is rigidly secured to the table top 11. Obviously, to unfasten the leg 12, it is merely necessary to remove the screw 22, and to withdraw the key 19 from the tubular arm 13, whereby the arm 13 of the leg 12 may be detached from the keepers 16 and 16'.

While a specific embodiment of an improved means for fastening the top portion of a table leg to the board of a table has been disclosed in the foregoing description, it will be understood that various modifications within the spirit of the invention may occur to those skilled in the art. Therefore, it is intended that no limitations be placed on the invention except as defined by the scope of the appended claim.

What is claimed is:

Means for joining a table leg to a table top comprising a plate adapted to be permanently attached to a table top, aligned longitudinally spaced substantially U-shaped keepers carried by the plate, said keepers diminishing in height as they recede from the plate, a tubular arm carried by a table leg and extending outwardly therefrom adjacent one end thereof, said tubular arm having longitudinally spaced elongated longitudinally extending keeper receiving slots extending through its wall on the side thereof remote from the leg, a key having a tapered tongue adapted to be entered into the tubular arm and thrust through the spaced keepers for engaging the arm and urging it toward the plate and holding the leg in assembled relation to the table top, and a perforated ear carried by the key and projecting laterally outwardly therefrom adjacent the end of the plate remote from the leg for engaging the table top and receiving a fastener which enters the table top and holds the tongue against withdrawal from the arm.

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