Dec. 27, 1932. L. E. TYSON 1,892,373

TABLE

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Fig. 1.

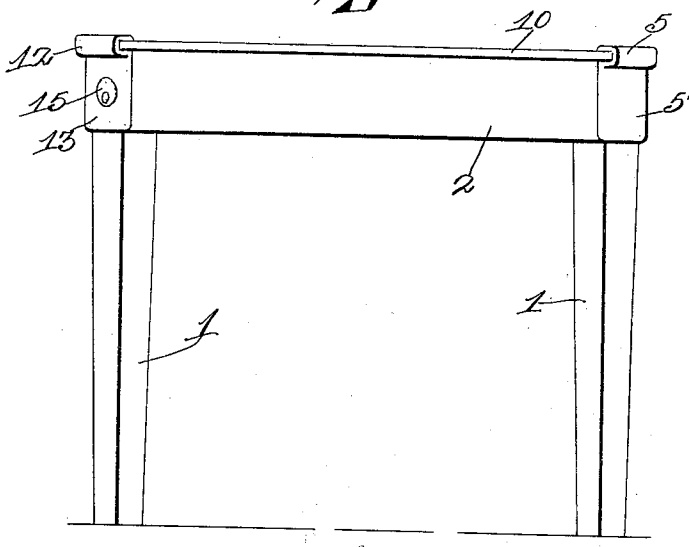


Fig. 4.

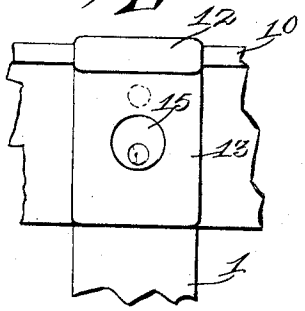


Fig. 2.

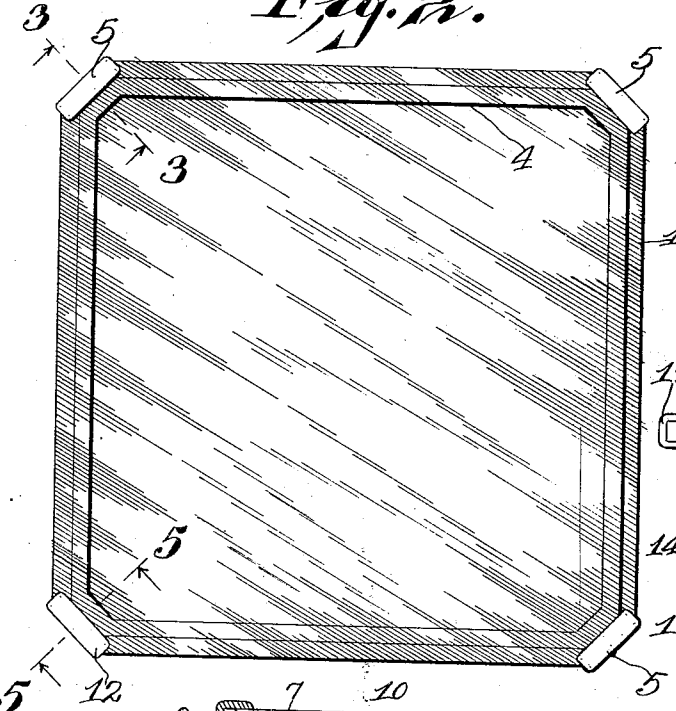


Fig. 5.

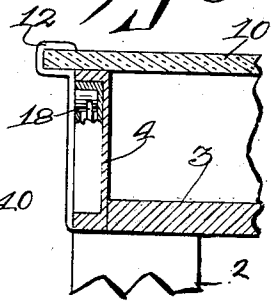


Fig. 6.

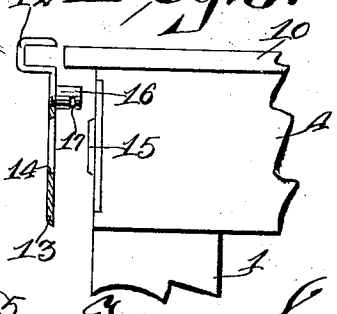
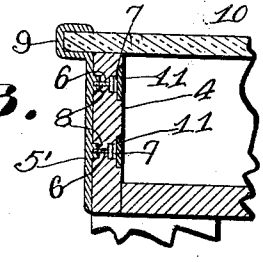


Fig. 3.



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TABLE

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Fig. 7.

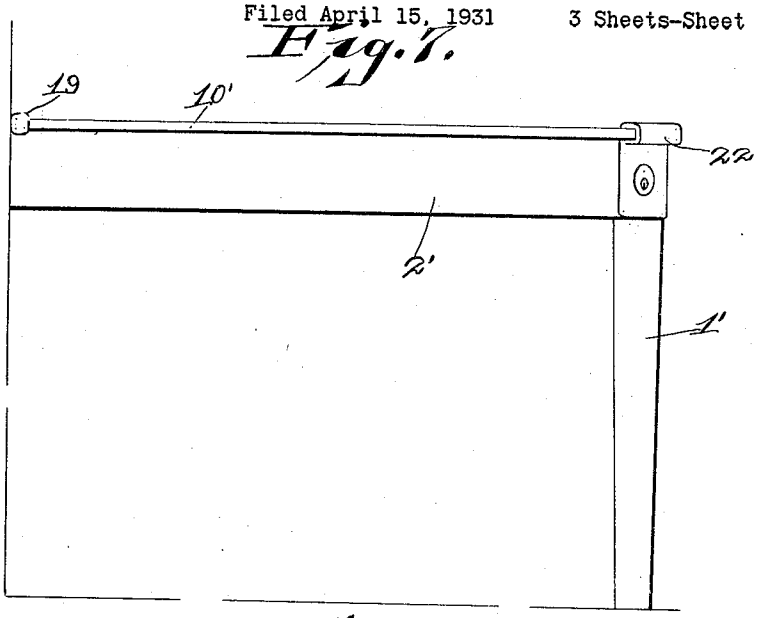


Fig. 8.

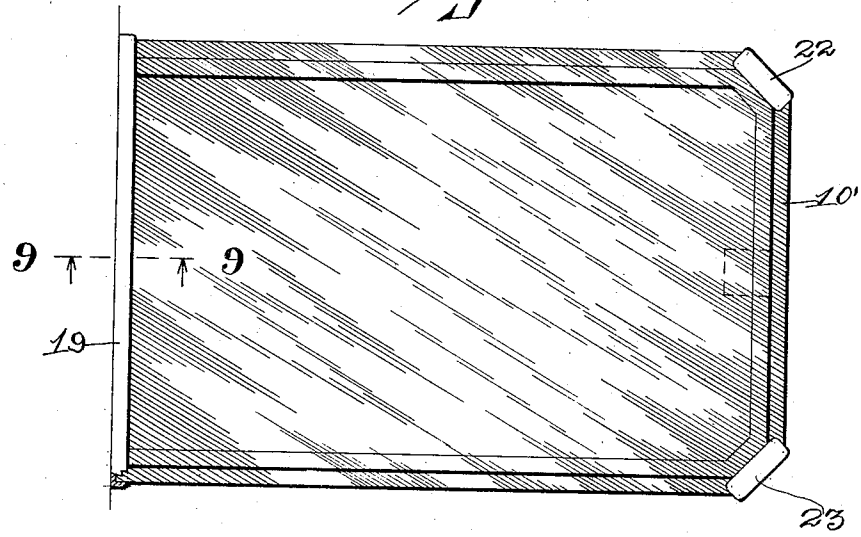
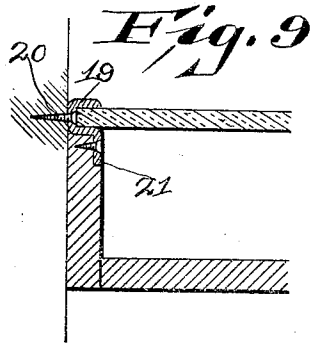


Fig. 9.



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TABLE

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Fig. 10.

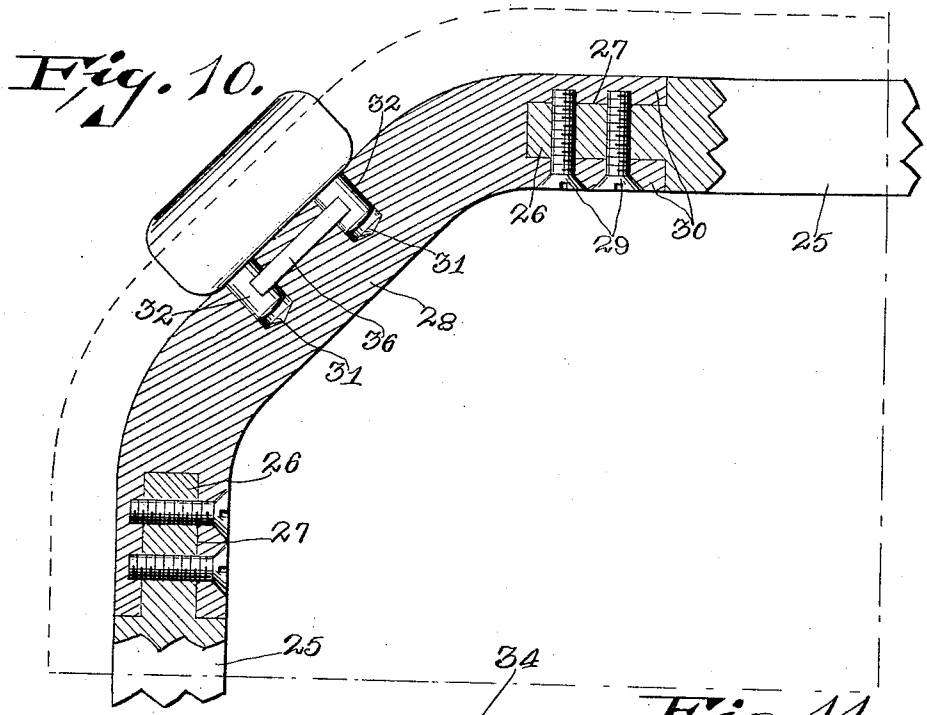
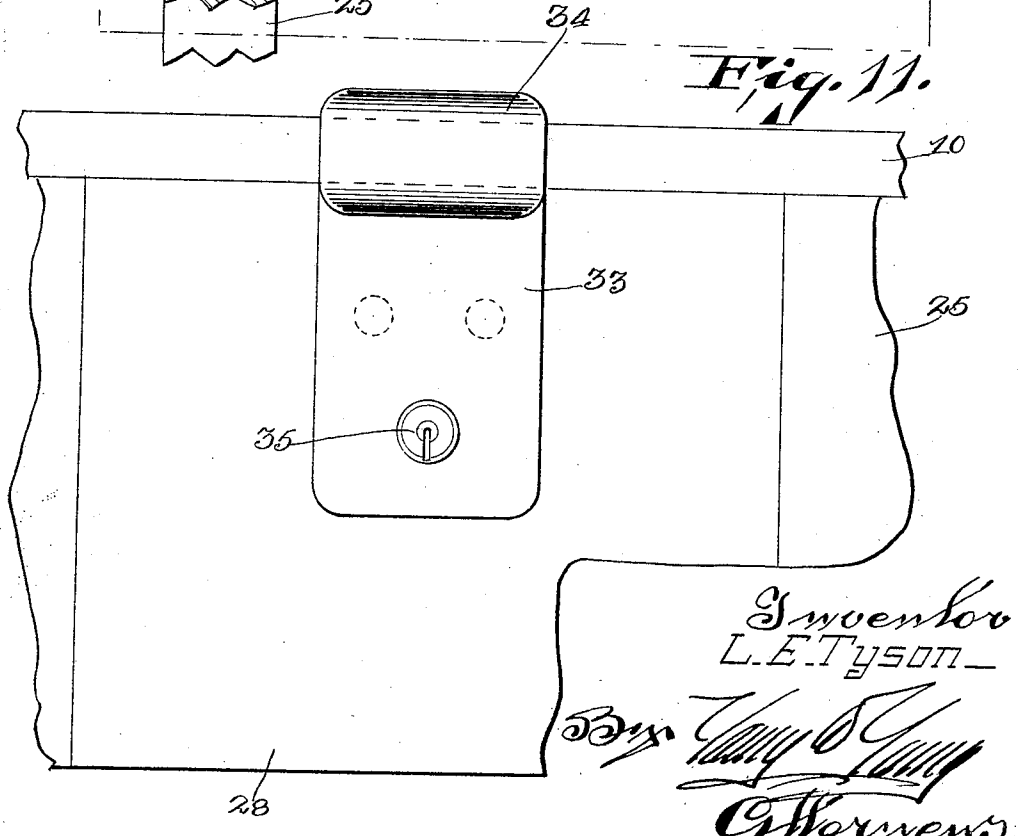


Fig. 11.



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Patented Dec. 27, 1932 1,892,373

UNITED STATES PATENT OFFICE

LEONARD ELMER TYSON, OF MANITOWOC, WISCONSIN

TABLE

Application filed April 15, 1931. Serial No. 530,282.

This invention relates to improvements in tables.

One of the objects of the present invention is the provision of an improved type of table of the box top type particularly adapted for use in lunchrooms and in places where soft drinks, ice cream and the like are served, wherein a merchant can display a line of goods beneath the transparent top of the table not only for advertising purposes, but to acquaint the customers with the various line of goods.

Another object of the present invention is the provision of a table of this character, wherein the transparent top is securely locked in place so that any unauthorized persons cannot obtain any of the articles on display, but will permit the transparent top to be readily removed for changing the display of goods within the box top, or for removing any of the articles.

A further object of the present invention is the provision of a table of the above character provided with novel means for retaining the glass top in position, whereby all of the interior of the box top is fully displayed and includes means for applying the transparent top on to a square table, or to a wall table.

With the above and other objects in view, the invention consists in the novel features of construction, the combination and arrangement of parts hereinafter more fully set forth, pointed out in the claims and shown in the accompanying drawings wherein:

Figure 1 is a side elevation of a table constructed in accordance with my invention;

Figure 2 is a top plan view;

Figure 3 is a detailed section on the line 3—3 of Figure 2;

Figure 4 is a detailed side elevation of the locking clamp;

Figure 5 is a detailed section on the line 5—5 of Figure 2;

Figure 6 is a detailed elevation at right angles to the showing in Figure 4, illustrating the locking clamp removed;

Figure 7 is a side elevation illustrating another form of the invention;

Figure 8 is a top plan of the table shown in Figure 7;

Figure 9 is a detailed section on the line 9—9 of Figure 8;

Figure 10 is a detail top plan of one corner of a table illustrating a modified form of the invention, with parts broken away and shown in cross section; and,

Figure 11 is a side elevation of the form shown in Figure 10.

In carrying out my invention, the essential feature is to provide a box top table with a transparent cover, together with means for locking this cover against removal by an unauthorized person. In Figures 1 to 6 inclusive, I have illustrated a substantially rectangular table, provided with supporting legs 1. The top portion of the table indicated at 2 is of the box top and includes a bottom member 3 with side walls 4 which may extend up to any predetermined height according to the height of the table and the nature of the goods displayed therein.

At three corners of the table, I provide permanent or stationary clamping members 5 which are secured to the side walls at the angular corner portions by means of small bolts 6, the heads of which are fitted within suitable apertures 7 formed in the inner face of the side walls 4, as shown in Figure 3. These bolts are detachably connected to lugs 8 having threaded apertures. The lugs 8 are formed upon the inner face of the depending portions 5′ of the clamping members. The clamping members include the U-shaped body 9 which is adapted to receive the angular corner portion of the transparent top 10, as clearly illustrated in Figure 3. After the clamps 5 have been secured in position by means of the bolts 6, suitable facing blocks 11 are fitted over the recesses 7, as shown in Figure 3, so that the recesses will not present an unsightly appearance to the interior of the box top.

From the above it will be noted that any three of the four corners of the table can have the clamping members permanently or securely attached thereto and that the remaining corner provided with a removable clamp, which includes the U-shaped body 12. This

body member 12 is provided with a depending flange 13 having an aperture 14 to receive the projecting barrel-like portion 15 of a lock.

The inner face of the depending portion 13 carries a stud 16 having a recess 17 to receive the outer end of the locking bolt 18, as shown in Figure 5, after the clamp 12 has been fitted into position so that the body thereof embraces one corner of the transparent top 10.

It will be apparent from the foregoing that by disengaging the locking bolt 18 from the stud 16, the clamping member 12 can be quickly and easily removed and the transparent top 10 readily removed from its position, shown in Figure 2. However, the top is securely locked in position when the clamping member 12 is in the position shown in Figure 5.

This device is particularly adapted for use in lunchrooms, around soda fountains and similar places, whereby various types of merchandise may be disclosed to the parties using the tables, and in a great many instances increase the sales of various types of articles.

In Figures 7, 8 and 9, I have illustrated a wall type of table, which includes the box top 2′ and a single supporting leg 1 which is arranged at the outer end of the table at approximately the central portion thereof. The other end of the table is fitted within an elongated clamping member 19, the body of which is connected to the wall by means of screws 20, while the depending flange 21 is connected to the inner face of the side wall next to the wall of the room.

In the construction shown in Figures 7 to 9 inclusive, two clamping members 22 and 23 are arranged at the outer angular corners of the table. The clamping member 23 is detachably connected to the top 2′ in the same manner as illustrated in Figures 5 and 6 of the drawings.

In this form of the invention, the transparent top can be quickly and easily removed by detaching the clamp 23 and then disengaging the top from block 22 after which the top may be pulled away from the clamping member 19.

There are a great many types of tables which can be provided with removable transparent tops and in fitting the top to the box type of table top, one or more of the clamping members can be constructed for detachable connection to the top of the table for retaining the transparent member 10 in a locked position.

In Figures 10 and 11, I have illustrated another form of the invention wherein a metallic corner is incorporated in each corner of the table during the makeup thereof for securely connecting the corner clamps thereto.

Referring to Figures 10 and 11, it will be noted that the side portions 25 of the wooden box top are provided at their ends with tenons 26 adapted to be fitted in suitable mortises formed in the ends of the metallic end pieces 28. These end pieces are preferably formed to extend diagonally across the corners of the table, as illustrated, and are securely connected to the side portions 25 by means of cross bolts 29 which pass through the spaced ears 30 formed by the mortises 27 and through the tenons 26.

The diagonal corner piece shown in the present instance is provided with spaced bores 31 to receive the studs 32 on the clamping member 33. This clamping member 33 is provided with the usual clamping head 34 which is adapted to engage over a corner of the transparent top member 10 and also carries a lock 35 provided with a movable, flat bolt 36 adapted to move upwardly and engage within the recesses formed in the inner sides of the studs 32.

It will be noted that the studs 32 are so arranged that the recesses therein are in opposed relation so that when the locking bolt 36 is moved upwardly, the side edges thereof will engage within the grooves in the studs and securely retain the clamping member 33 against movement.

In this form of the invention, it will be noted that by tightly fitting the corner piece 28 in position at each corner of the table, the connection between the side portions of the table and the corner pieces will be practically invisible if the table top is painted or coated with enamel, and these metallic corner pieces will provide a stronger attachment for the clamping members.

The device in itself is very simple in construction and can be manufactured at a very low cost. However, the usefulness for display purposes will be readily appreciated and the table can be used wherever desired and the merchandise displayed therein can be quickly and readily replaced with new merchandise.

While I have shown and described the preferred embodiment of my invention, it will be apparent from the foregoing that slight changes may be made in the construction when putting the invention into practice without departing from the spirit of the same or the scope of the appended claims.

I claim:

1. In a table having a box top for display of articles of merchandise including side walls, a bottom wall and a removable transparent top wall, means for detachably securing the transparent top wall in position embody a key operated lock having a bolt carried by one wall of the table top, a clamping plate having a jaw for detachably engaging one edge of the transparent top and a depending straight flange for engaging the mentioned wall of the table top, said flange

having a stud for engagement with the locking bolt of the lock.

2. In a table, a box top for the display of merchandise of substantially rectangular form, the corners of said box top being cut off defining flat corner faces, said box top including a removable transparent top wall of substantially rectangular form having its corners cut off, a plurality of clamping members carried by the flat corner faces of the box top having straight clamping jaws engaging the corners of the transparent top wall, means connecting all of said clamping members with the exception of one permanently to the box top, and means including a key operated lock for detachably securing the other of the clamping members to the box top.

3. In a table having a box top for the display of merchandise including side walls, a bottom wall and a removable transparent top wall resting on the upper edges of the side walls, means for detachably securing the top wall in position embodying a clamping plate having a depending straight wall for engaging one side wall of the table top and a jaw engaging over an edge of the removable transparent top wall, and releasable means for detachably locking the straight wall of the clamping plate to the mentioned side wall including a key operated lock having a bolt and a keeper, the bolt and keeper forming a part of the straight wall and mentioned side wall.

In testimony that I claim the foregoing I have hereunto set my hand at Manitowoc, in the county of Manitowoc and State of Wisconsin.

LEONARD ELMER TYSON.