Sept. 7, 1926.

C. H. COLBY

1,598,849

DISPLAY TABLE

Filed Dec. 24, 1924

2 Sheets-Sheet 1

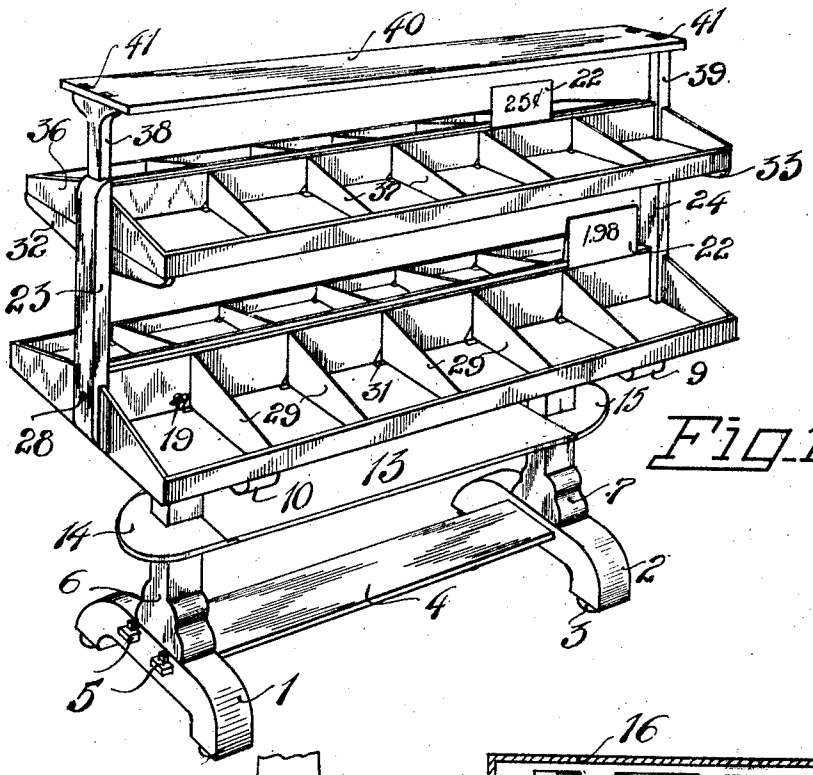


Fig. 1

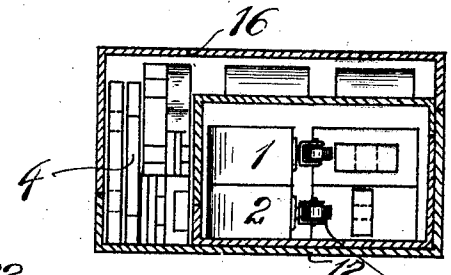


Fig. 2

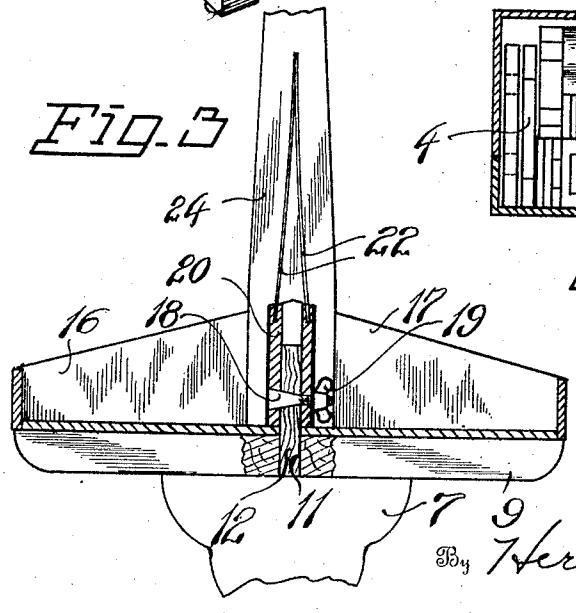


Fig. 3

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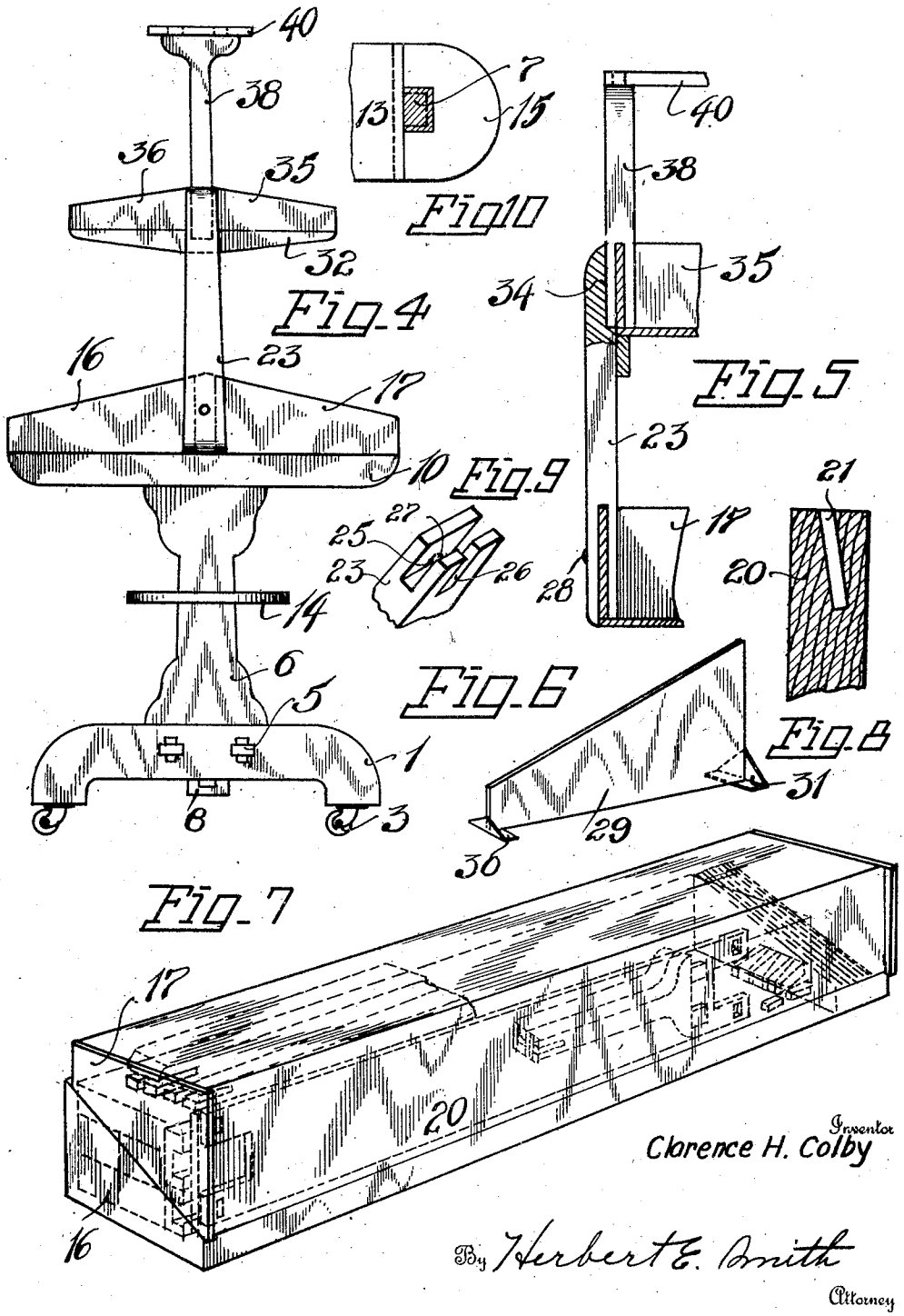
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Sept. 7, 1926. 1,598,849

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DISPLAY TABLE

Filed Dec. 24, 1924 2 Sheets-Sheet 2



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Patented Sept. 7, 1926. 1,598,849

UNITED STATES PATENT OFFICE.

CLARENCE H. COLBY, OF SPOKANE, WASHINGTON.

DISPLAY TABLE.

Application filed December 24, 1924. Serial No. 757,902.

My present invention relates to improvements in display counters or store furniture for use in salesrooms, stores, and similar places where merchandise is displayed for sale or exhibition. The invention contemplates a display counter which is of the knockdown type in order that its parts may be compactly arranged for packing to insure economy in shipping, and which may with facility be erected for use and provide a spacious device for the support of and display of various kinds of merchandise.

The invention consists in certain novel features of construction and combinations and arrangements of parts as will be hereinafter more fully explained and set forth in the accompanying claims.

In the accompanying drawings I have illustrated one complete example of the physical embodiment of my invention wherein the parts are combined and arranged in accordance with the best mode I have thus far devised for the practical application of the principles of my invention.

Figure 1 is a perspective view of a display counter according to my invention, illustrated ready for use.

Figure 2 is a longitudinal sectional view showing the parts of the apparatus dissociated and packed for storing or shipping.

Figure 3 is an enlarged transverse sectional view showing in detail the manner of securing together a pair of complementary trays in connection with the posts of the counter.

Figure 4 is an end view of the counter in elevation.

Figure 5 is a detail sectional view showing the manner of connecting the upper and lower pair of trays.

Figure 6 is a perspective view of one of the partitions, a number of which are used, to divide the trays into bins or compartments for separated merchandise.

Figure 7 is a perspective showing the dissociated parts in dotted lines and packed within the larger pair of trays.

Figure 8 is a detail sectional view showing a holder-slot for receiving and retaining price cards, tags &c.

Figure 9 is a detail perspective view at the lower end of one of the posts, and Fig. 10 is a detail view of the end of the intermediate shelf.

In carrying out my invention I utilize a pair of bases or feet designated 1 and 2, spaced apart and arranged transversely of the counter, and of sufficient length to insure stability to the parts supported thereby. The bases or feet 1 and 2 are fashioned with casters 3 in order that the counter may be moved with facility and for the purpose of elevating the counter above the floor. These feet are joined by a bottom brace board 4 which extends longitudinally of the counter and is provided with end tenons 5 fitted into mortises in the respective feet of the counter. In addition to performing the function of a brace the board 4 may also be used for displaying baskets, boxes or other receptacles containing merchandise. Centrally of each foot and rising from the top thereof is a leg or end support as 6 and 7, which legs also have tenons on their lower ends, as 8, which are fitted into mortises in the respective feet and there joined to form a rigid upright support for the superstructure of the counter.

On the top of each leg is provided a horizontal, transversely extending arm as 9 and 10 and each of these transverse arms or cross-arms is fashioned with a central slot 11 through which the upwardly extending, flat, dowel pin 12 on the top of each leg, extends to afford a secure joint between the arm and leg at each end of the counter.

Above the bottom board 4 and parallel therewith is located a second board 13 forming an upper shelf for the display of merchandise. This shelf is of the take-down or knock-down type and is removable. At its ends it overlaps adjoining edges of heads 14 and 15 which are slotted or notched in order that they may be fitted about the legs 6 and 7, and secured thereto in suitable manner.

Supported directly upon the two cross arms 9 and 10 are a pair of oppositely arranged lower trays 16 and 17 which extend longitudinally of the counter and project beyond the outer faces of the two legs, with their backs adjacent one another. While the trays are supported on the cross arms they are fastened together to prevent displacement, but in such manner that they may readily be unfastened and removed when required. A bolt 18 and a nut 19, near each end of the counter, are employed for this purpose, said bolts passing through openings in the back walls 20 of the trays and also through bolt holes in the dowel pins 12, and as seen in Figure 3 the wing nut 19 is used

to clamp the two trays together with the dowel pins between the backs.

In Figure 8 a slot 21 is shown in one of the back boards 20 of the trays, said slot extending downwardly at an incline from the top edge of the board. These slots are designed for the purpose of receiving and supporting price tags as 22, arranged as indicated at the right in Figure 1, back to back, to designate the price of the commodity with which they are associated.

In addition to the two clamping bolts 18 for holding the trays together I employ a pair of end posts 23 and 24, one located at each end of the pair of complementary trays. As best seen in Figure 9, the lower end of each of these posts is provided with a mortise as 25 extending from edge to edge of the post, and this mortise is intercepted by a slot as 26 extending at right angles to the mortise and located at the inner side of each post. As seen in Figure 1 the mortise in the lower end of each post is designed to be slipped down over the alined end walls of a pair of trays, and the slot slips down over the two back walls of the trays. In this manner the two trays, at each end are joined together and the posts are provided with stable supports. A bolt hole 27 may be provided in the posts for the bolt 28 which firmly holds the parts together.

Throughout the entire length of the trays they are divided into bins or compartments by the utilization of removable partitions 29, which extend transversely of the trays and are each provided with angle plates or feet 30 and 31 as seen in Figure 6. These feet extend transversely of the partitions and rest upon the bottoms of the trays to maintain the partitions in upright position.

Near the tops of the posts 23 and 24 and located at their inner sides are fastened cross arms 32 and 33, and the top of the post, at its inner side is provided with a notch as 34, see Figure 5. These upper cross arms are designed to support the pair of upper trays 35 and 36, which preferably are smaller than the lower trays, but of substantially the same shape. The upper trays are also divided into bins or compartments by means of the removable transverse partitions 37, and the upper trays are arranged back to back similar to the lower trays.

These upper trays, at their ends, are secured together by a construction similar to that at the lower ends of the posts 23 and 24, and for this purpose two upper posts 38 and 39 having mortises and slots similar to those of the lower posts 23 and 24 are fitted over the end walls and back walls of the trays. In addition the lower ends of these upper ports fit into the notches 34 in the upper ends of the lower posts as seen in Figure 5. Upon the tops of the posts 38 and 39 is supported a top shelf 40, the posts having tenons 41 extended from their top surfaces to fit into complementary mortises cut in the top shelf near its ends.

It will be apparent that the shelves, trays, partitions, posts, legs and feet are separable and they may be disconnected and the larger trays utilized as casings or enclosures for the smaller elements or parts, which are packed as indicated in Figures 2 and 7 for storing or shipping. After the package has been made up, a wrapper or casing is fashioned around the enclosing trays and suitable braces utilized to secure the package as a rigid structure.

Having thus fully described my invention, what I claim as new and desire to secure by Letters Patent is—

1. In a display counter the combination with a pair of legs each having an upwardly projecting pin, of a pair of slotted cross arms seated on said legs, a pair of trays supported on said arms and means for securing said trays to said pins, of a post at each end of said counter, said posts each having a mortise and a transversely arranged slot to engage the end walls and back walls of said trays, and means supported on said posts for displaying merchandise.

2. The combination with a pair of legs each having an upwardly projecting pin and slotted cross arms seated thereon, trays supported on said arms and means for securing the adjoining back walls of said trays to said pins, of end posts, each post having a mortise and a transverse slot for engaging and retaining said trays, a cross arm on each post and each said post having a notch above each arm, a pair of upper trays supported on the upper cross arms, a pair of upper posts each having a mortise and transverse slot for engaging and retaining said upper trays and said upper posts adapted to engage in the notches of the lower posts, and a shelf connecting the upper ends of said upper posts.

In testimony whereof I affix my signature.

CLARENCE H. COLBY.