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2,363,816

BACKBOARD SUPPORT FOR TELEPHONE COIN COLLECTORS

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2 Sheets-Sheet 1

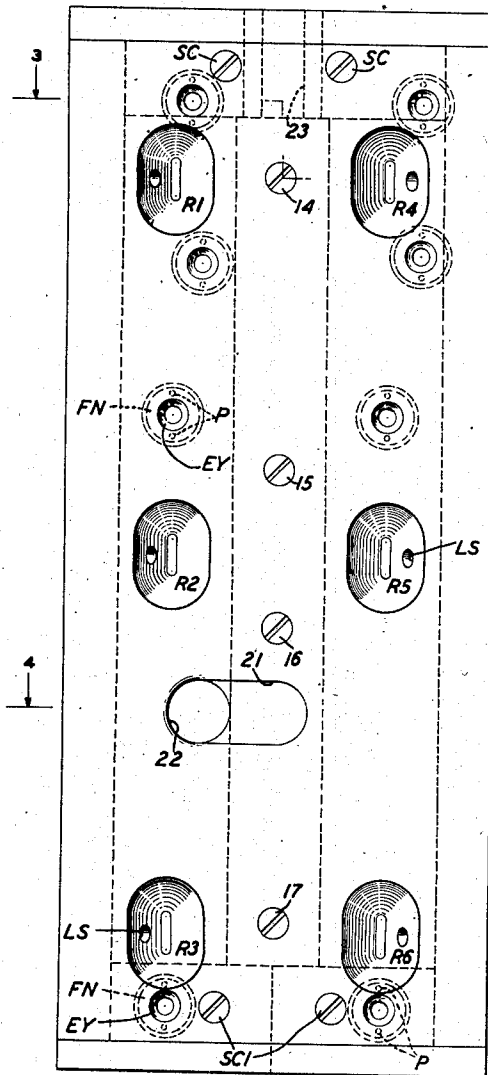


FIG. 1

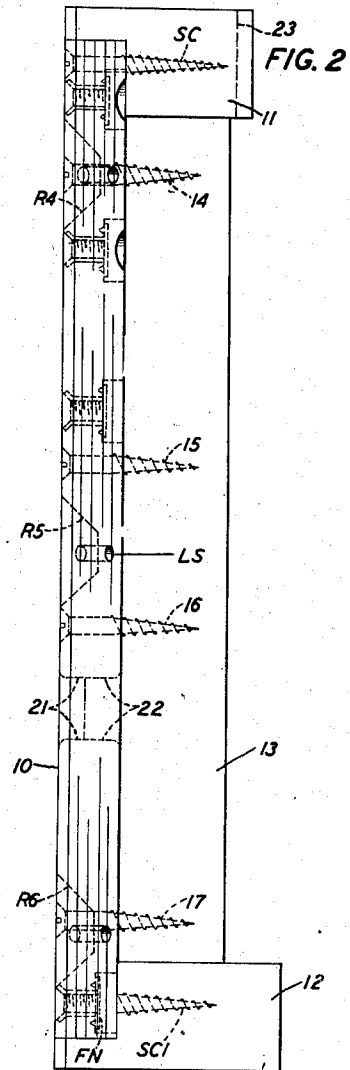


FIG. 2

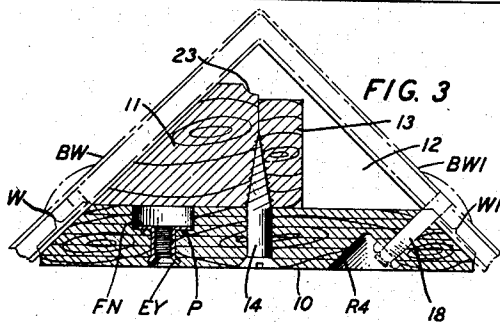


FIG. 3

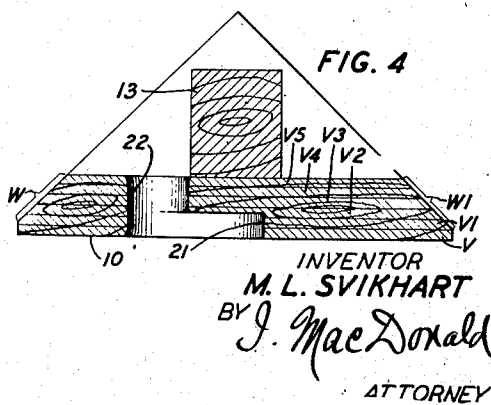


FIG. 4

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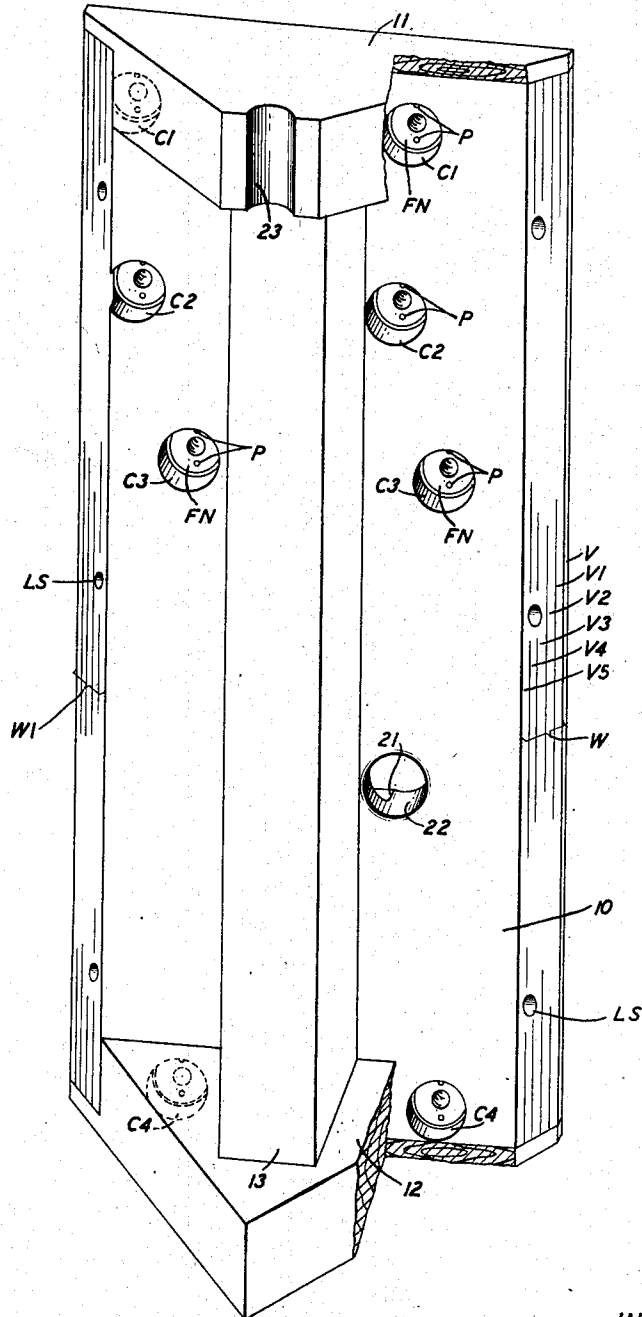
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FIG. 5



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BACKBOARD SUPPORT FOR TELEPHONE
COIN COLLECTORS

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4 Claims. (Cl. 179-146)

This invention relates to so-called backboard supports of the type used, for example, for mounting coin collector apparatus to the walls of telephone booths and the like.

The object of this invention is the provision of a support of the type above referred to which, with the exception of screws, completely avoids the use of metallic material while being simple in construction, cheap to manufacture, light in weight and of great rigidity.

According to the support of this invention a rectangularly shaped plywood plate is reinforced along its length by a rib element, secured at a number of points by screws and glue to the plate. Means in the form of triangularly shaped blocks secured at the opposite ends of the plate and to the ends of the reinforcing element form, in cooperation with longitudinally chamfered edges of the plate, bearing points or surfaces against the adjacent edges of two intersecting walls of a booth upon the tightening effect of means extending through recesses and apertures in the plate for engaging registering securing means carried by the walls of the booth. Means in the form of flanged nuts riveted to the plywood plate serve for receiving means securing the telephone apparatus to the plate, while means formed in one of the blocks cooperates with means formed in the plywood plate to serve as guide-ways for the incoming wires connecting with the telephone apparatus on the backboard support.

Other novel features and advantages of the invention will appear from the following description and by the claims appended thereto, reference being had to the accompanying drawings in which:

Fig. 1 is a front elevation view;

Fig. 2 is a right side view of Fig. 1;

Fig. 3 is a sectional view taken on line 3-3 of Fig. 1 showing the backboard support secured to the walls of a telephone booth, the walls being shown diagrammatically;

Fig. 4 is a cross-sectional view taken on line 4-4 of Fig. 1; and

Fig. 5 is a rear view of the backboard support shown in perspective.

The backboard support of this invention consists of a rectangularly shaped plywood plate 10 constructed of a number of wooden plies as V, V1, V2, V3, V4 and V5. To the opposite ends of this plate are fitted and integrated as by gluing and wood screws SC and SC1, triangularly shaped wooden end pieces or blocks 11 and 12, which, in cooperation with longitudinal chamfered edges W and W1 of the plywood plate 10, form bearing points for the plate 10 at the adjacent edges of

two intersecting telephone booth walls as *bw* and *bw1* shown in dotted lines in Fig. 3. A wooden reinforcing rib element 13 of rectangular cross-section is integrated or secured to the rear side of the plywood plate 10 by gluing and screws 14, 15, 16 and 17, shown in Figs. 1, 2 and 3, while the ends of the reinforcing rib element are secured to the triangular wooden blocks 11 and 12 at the ends of plate 10 as by gluing.

The plywood plate 10 along its length is provided with a row of parallelly disposed V-shaped recesses *r1*, *r2*, *r3*, best seen in Figs. 1, 2 and 3, having similar sides disposed in line parallel to the chamfered edge W of the plate and a row of V-shaped recesses *r4*, *r5* and *r6* having similar sides disposed in parallel relation to the edge W1 of plate 10. These recesses are provided for receiving the nuts of bolts as 18 extending through holes LS in the plywood plate 10 and booth walls *bw* and *bw1* for securing the plate 10 firmly to these walls.

The plywood plate 10 is provided with pairs of countersunk holes C1-C1, C2-C2, C3-C3 and C4-C4 along its length for receiving similar flanged nuts *fn* having eyelet portions *ey* and prongs P, shown in Figs. 1, 2 and 3, anchored in the plywood plate, as shown in Fig. 3, for preventing the turning movement of the flanged nuts upon the tightening of respectively associated screws, not shown, serving for securing the telephone apparatus to the support.

The plywood plate 10 is at its front side provided with a recess 21, best seen in Figs. 1, 4 and 5, leading into an opening 22 forming a guide for the line wires, not shown, connecting with the telephone apparatus on the support 10 with provision in the triangular wooden block 11 of a semicircular groove 23 forming, in cooperation with the walls *bw* and *bw1*, a second guide-way for the incoming telephone line wire.

The coin-collector telephone support of the invention, while completely avoiding the use of metallic material, has been found in actual tests to provide adequate rigidity to prevent forcible removal of the coin collector from the walls of the telephone booth to which it may be attached while being lighter in weight and cheaper to manufacture than the metal backboard now used.

It is understood that minor changes may be made to the backboard support of this invention as to form and dimension without departing from the scope of the appended claims.

What is claimed is:

1. A coin collector support for use in a telephone booth, said support comprising a plate, a reinforcing element for said plate disposed at

right angles thereto, and end pieces disposed at right angles to said element and to said plate, said end pieces having portions secured to said plate and to said reinforcing element and serving as bearing points for said support.

2. A wooden support for a coin collector in a telephone booth, said support comprising a plywood rectangularly shaped plate having chamfered edge portions along its length, a reinforcing element secured to one side of said plate, angular wooden blocks secured to said reinforcing element and to said plate at the ends thereof and cooperating with the chamfered edge portions of said plate to serve as bearing points therefor.

3. A wooden support for a coin collector in a telephone booth, said support comprising a wooden plate, a wooden element secured to one

side of said plate for reinforcing the latter longitudinally, wooden angle pieces secured to said plate and to said wooden element to form a unit assembly, means formed in said plate for securing the latter to two adjacent walls of the booth and means carried by said plate for receiving means for securing the coin collector to said support.

4. A support for a coin collector in a telephone booth, said support comprising a wooden plate, a reinforcing element for said plate, triangularly shaped elements secured at the ends of said plate and at the ends of said reinforcing element, and means in said plate and one of said elements serving as guide-ways for the incoming wires connecting to the telephone coin collector secured to said support.

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