

May 16, 1944.

F. S. CORSO

2,349,144

TELEPHONE BOOTH

Filed Dec. 4, 1941

5 Sheets-Sheet 1

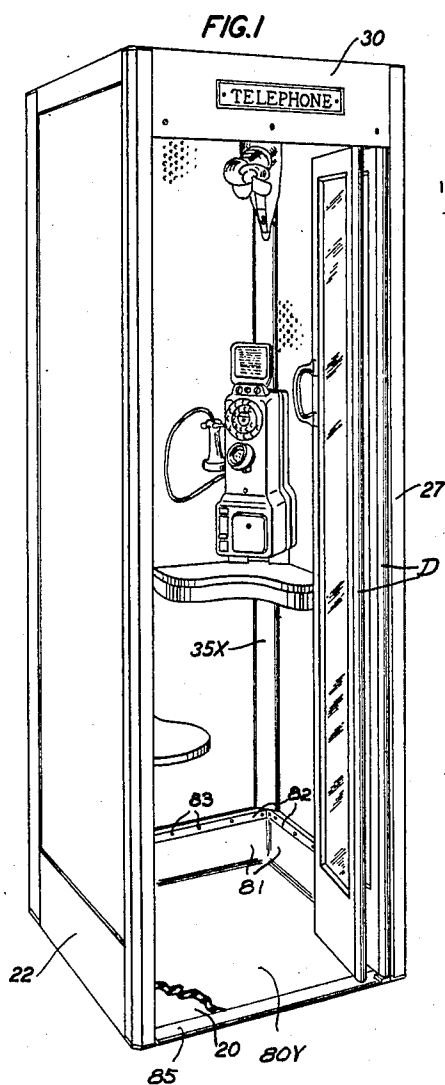
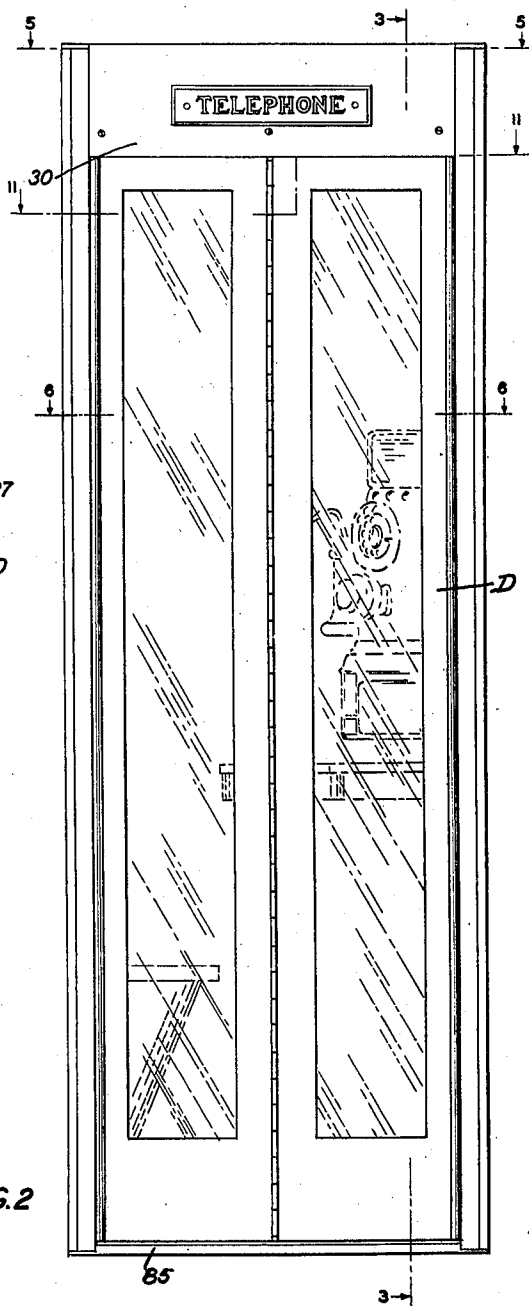


FIG. 2



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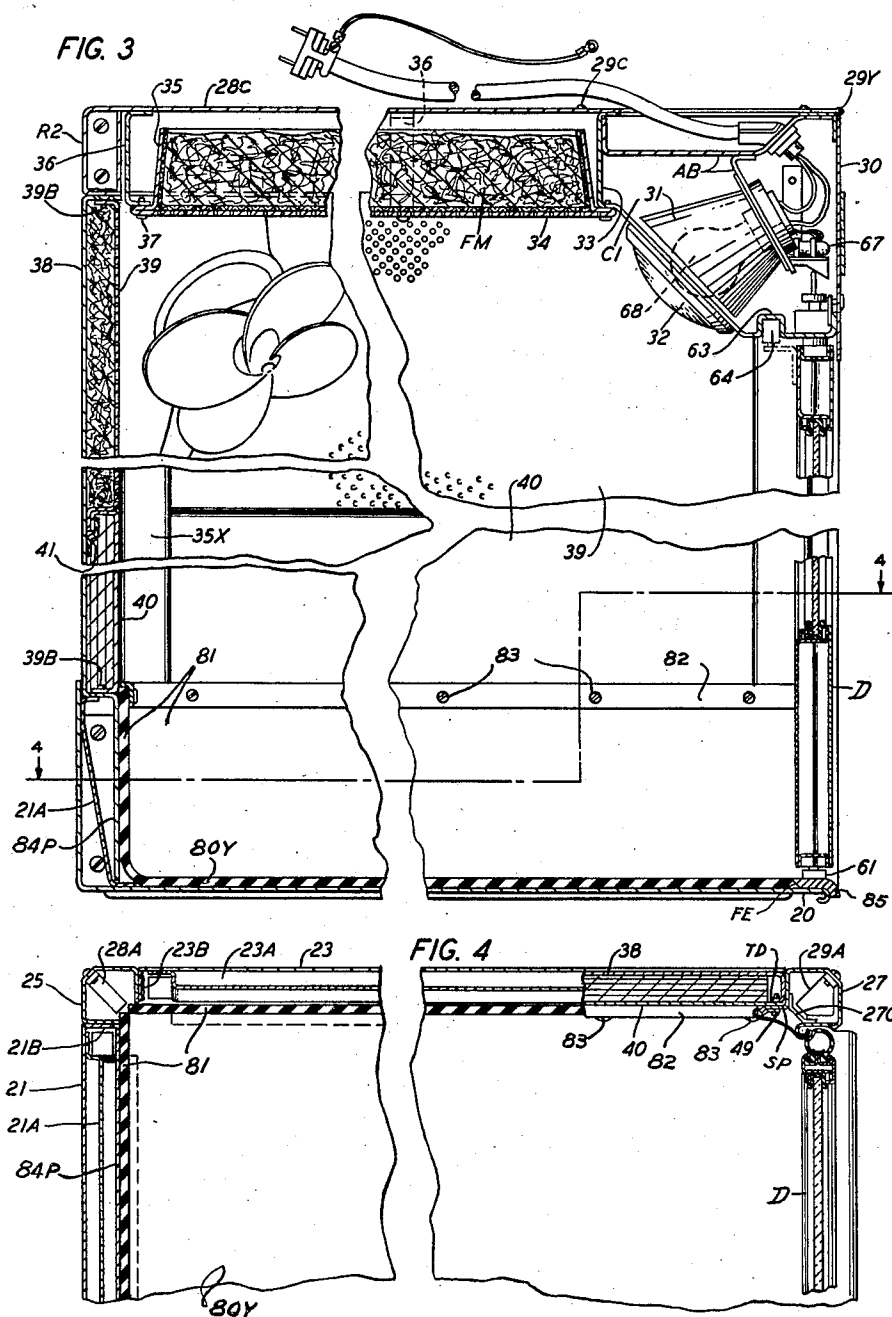
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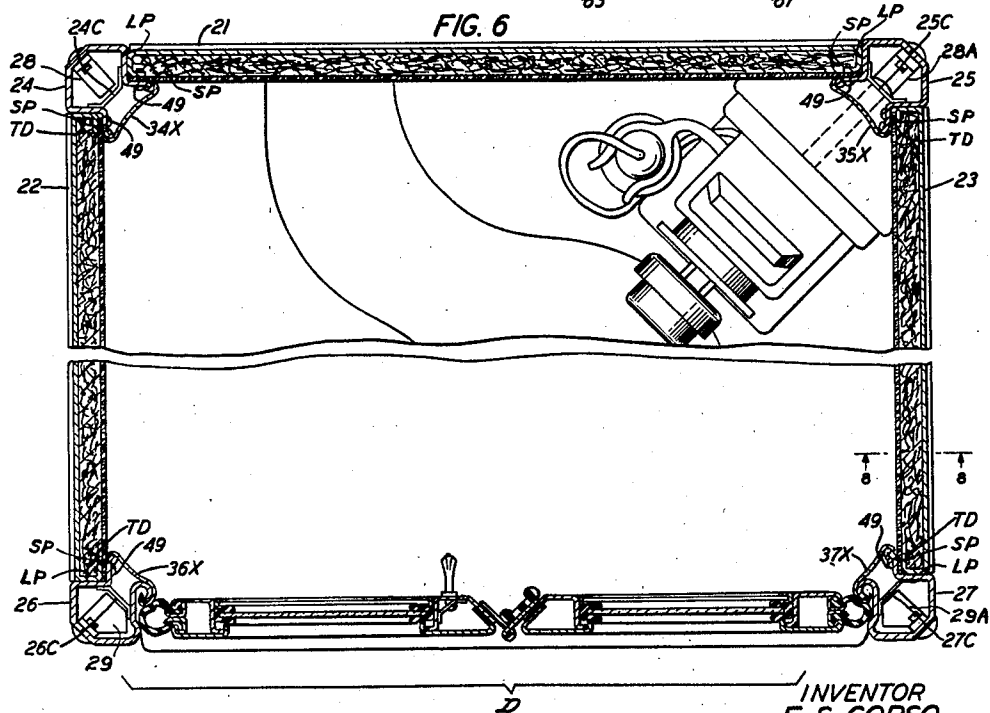
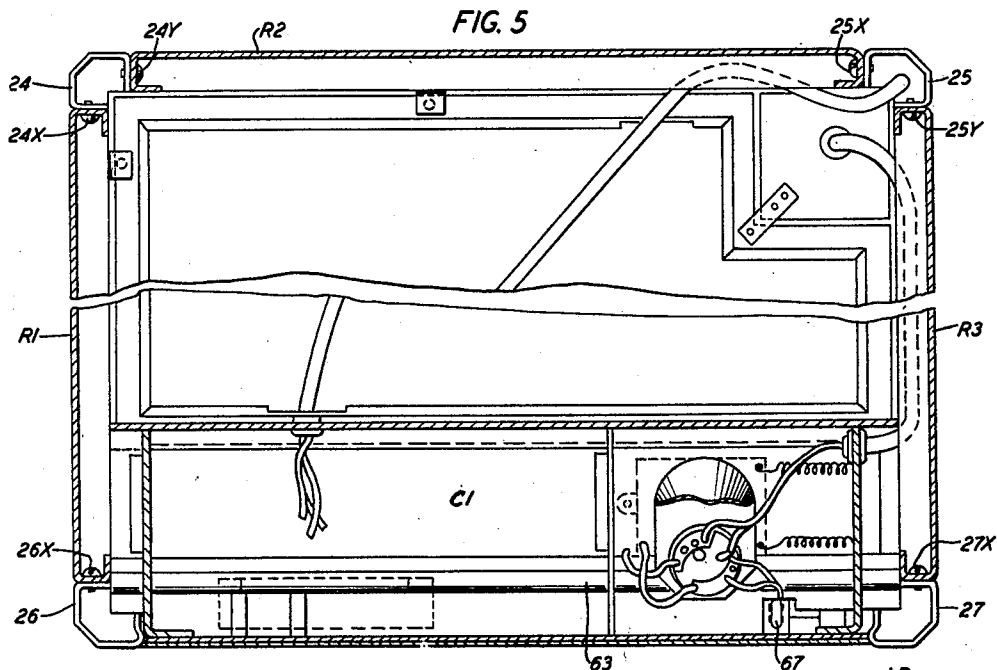
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5 Sheets-Sheet 3



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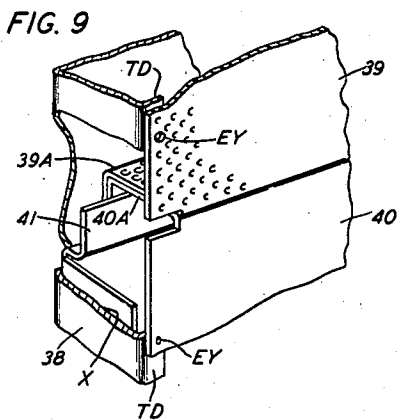
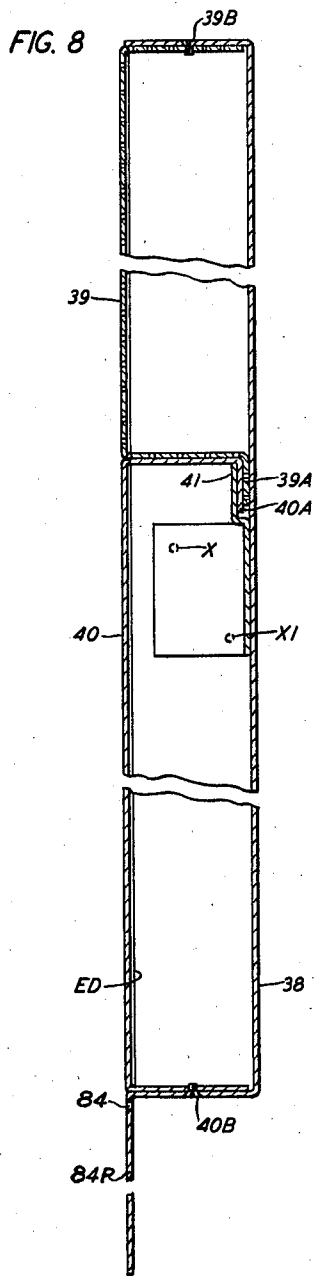
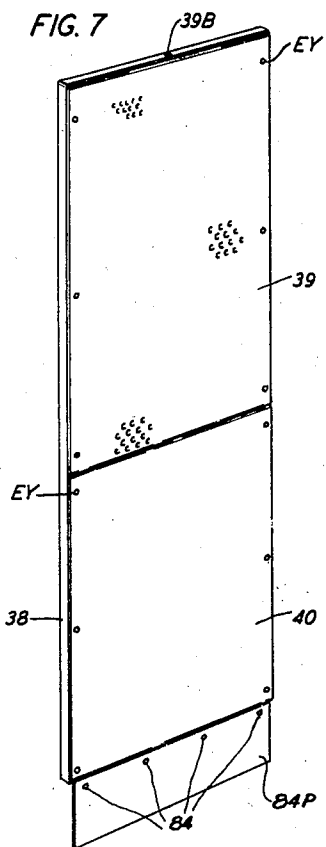
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UNITED STATES PATENT OFFICE

2,349,144

TELEPHONE BOOTH

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Application December 4, 1941, Serial No. 421,561

6 Claims. (Cl. 189—2)

This invention relates to telephone booths and more particularly to telephone booths of metallic construction.

The object of the invention is to improve the construction of such telephone booths while decreasing their manufacturing cost.

In accordance with this invention a metallic both construction is provided having corner posts formed of relatively thin metallic strips bent laterally to form geometrical figures of substantial square cross section with their longitudinal edges forming locating and shoulder portions for securing the walls of the booth. These corner posts are secured at their lower ends to means in the form of upright members in turn secured to metallic base portions formed at three sides thereof with flange elements having their end portions bent in a manner to form securing means for the corner posts in addition to the upright members secured to the base. A plurality of means in the form of rectangularly shaped metallic plates which are welded along their longitudinal edges to the base and to the flange elements formed therewith serve for reenforcing these elements and to form supporting means on which the walls of the booth rest.

The walls for the booth are each constructed of two superposed box-like wall sections disposed inward of the booth and a common cover-like wall section disposed outwardly of the booth and fitted to the inner box-like wall sections to form therewith two independent casings, the lower disposed of which serves for housing cardboard sheets and the other for housing material, serving for sound-proofing the booth at its upper end portion, means being provided for securing the inner disposed box-like sections to each of the outer cover-like sections to form unit assemblies with means formed at the lower end of each common outer wall to serve as bearing points for the walls thus constructed and to form back supports for the flanges of a rubber floor covering at the interior of the booth.

Means is provided for securing the wall assemblies longitudinally of the corner posts, the edges of such corner posts permitting the mounting of the walls from outside the booth with molding members clamped to the edges of the corner posts at the interior of the booth for concealing the wall securing means from view at the interior of the booth.

A roof plate is provided at three sides thereof with a peripherally disposed rim, the rim having means for securing the roof to the corner posts and thereby holding the latter in adjusted spaced

relation to each other at their disposed ends. Means secured to the underside of the roof plate supports a ceiling in spaced relation to the roof plate and forms in cooperation with a peripherally disposed rim a container for fibrous material, serving for sound-proofing the top ends of the booth while a casing of substantially triangular cross section secured to the front disposed corner posts and to the underside of the roof plate provides means for securing the front disposed edge of the ceiling, the casing having a hinged door permitting access to the lighting fixture from the outside of the booth with means carried by this hinged door permitting the folding movement of the booth door outwardly. One pivot for the door of the booth extends through a bushing secured to the triangularly shaped casing in operative relation with a switching device provided for controlling the operation of the lighting fixture upon the movement of the booth door.

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 an assembly view of the booth shown in perspective with the door in its folded position;

Fig. 2 is a front elevation view, enlarged, showing the door in its unfolded position;

Fig. 3 is a vertical section taken on line 3—3 of Fig. 2 showing the walls, the base, the roof and the door with portions broken away;

Fig. 4 is a partial view in section taken on line 4—4 of Fig. 3;

Fig. 5 is a horizontal sectional view taken on line 5—5 of Fig. 2 shown with a number of operating parts with portions broken away;

Fig. 6 is a horizontal sectional view taken on line 6—6 of Fig. 2 shown with a number of operating parts with portions broken away;

Fig. 7 is an assembly view of one of the booth walls shown in perspective;

Fig. 8 is a vertical sectional view of one of the booth wall assemblies enlarged taken on line 8—8 of Fig. 6 and shown with portions broken away;

Fig. 9 is a fragmentary view of one of the booth walls shown in perspective; and

Fig. 10 is a skeleton view shown in perspective and with a number of operating parts in sections and with portions broken away.

According to the telephone booth of the invention, a base 20 best seen in Fig. 10 is formed with an upright extending rear flange element 21 and side flanges 22 and 23 held at right

angles relative to the plane of the base by diagonally disposed reinforcing plates 21a, 22a and 23a. These reinforcing plates are secured as by welding along their similar longitudinal edges to the base 20 and along their opposite edges to respective flanges 21a, 22a and 23a. The flange 21 is formed at its ends with portions such as 21b, the flange 22 with portions 22b and the flange 23 with portions 23b each portion having its lower end secured as by welding to the base 20. The end portions 21b, 22b and 23b serve for securing as by ordinary screws the rear corner posts 24 and 25 and the front corner posts 26 and 27 at their lower ends to the base 20 in addition to upright members 28—28a for the rear corner posts 24 and 25 and 29—29a for the front corner posts 26 and 27 shown in Figs. 4 and 10 welded to the base 1. The diagonally disposed reinforcing plates 21a, 22a and 23a at their upper ends are provided with laterally extending bent portions p1, p2 and p3 to serve as rests or bearing points for the booth walls which will be hereinafter described in detail. The corner posts 24, 25, 26, and 27 which are formed of relatively thin metallic strips bent to provide locating portions LP and securing shoulder portions SP for the booth walls are reinforced laterally at their middle length portions by metallic bridge strips 24c, 25c, 26c, and 27c best seen in Figs. 4, 6, and 10 and are held in spaced relation at their upper ends by a roof plate 23c having peripherally disposed rim portions R1, R2, R3 shown in Figs. 3, 5, and 10, the rim R1 being secured at its ends as by screws 24x and 26x to the corner posts 24 and 26, the rim R2 to the corner posts 24 and 25 by screws 24y and 25x and the rim R3 to the corner posts 25 and 27 respectively by screws 25y and 27x.

A casing C1 shown in Figs. 3, 5, and 10 of substantially triangular cross section has one of its sides secured to the under side of roof plate 28c at the front end thereof as by a number of similar screws 29c while the front side of this casing is provided with a door 30 hinged as at 29y forming the front wall at the top entrance of the booth while giving access when opened to a lighting fixture secured to a combination bracket ab, the lighting fixture having a lamp 68 and a reflector 31 disposed coaxially and in juxtaposition to a translucent glass 32 at the interior of the booth, the wall portion 33 of the triangularly shaped casing C1 forming a shoulder portion serving for securing the front disposed edge of a perforated plate 34 forming the ceiling of the booth. The plate 34 is provided with a peripherally disposed rim 35 forming with the apertured ceiling plate a container for fibrous material fm serving for sound-proofing the top end of the booth, the rear and the sides of the container thus formed being supported by a number of similarly shaped brackets 36 secured at one of their ends to the underside of roof plate 28c as by welding while their other ends are secured to the perforated plate 34 as by a number of screws 37.

The rear wall and the side walls for the booth as shown in Figs. 3, 7, 8, 9, and 10 are each formed of an outer disposed cover-like section 38 and two inner disposed box-like sections 39 and 40. To the cover-like section 38 of each wall is secured, as by welding at points x and x1, a hook member 41 extending transverse thereof for securely receiving a registering portion 39a of box-like section 39 and a registering portion

40a of box-like section 40 in addition to screws such as 39b and 40b securing these box-like sections to the opposite ends of cover section 38 as shown in Figs. 7 and 8, while the cover-like section 38 of this wall is formed at its lower end with a projection 84p provided for a purpose which will be hereinafter described in detail. The box-like section 39 of each wall cooperates with the top end portion of its respective cover-like section 38 to form a casing for housing fibrous material serving for sound-proofing the top end of the booth while the box-like wall section 40 cooperates with the common cover-like outer wall section 38 to form a casing for housing cardboard sheets shown in Figs. 3 and 10 serving as filler elements between this cover and box-like section.

The booth walls thus constructed are held in assembled relation against the shoulder portions SP of the corner posts 24, 25, 26 and 27 as shown in Figs. 6 and 10 by a number of similar screws 49 passing through clearance holes CH best seen in Fig. 10 along the edge of the shoulder portions SP of the corner posts in threaded engagement with holes EY in the inner disposed box-like wall sections 39 and 40 and in registering holes along the inwardly turned edge TD of the outer disposed cover-like section 38, the parallel edges of corner posts 24 and 25, 26 and 27 which form the shoulder portions SP being bent laterally and inwardly of the booth to form hook portions for receiving registering portions formed along the edges of molding elements 34x, 35x, 36x and 37x provided for concealing the securing screws 49 from the interior of the booth.

A rubber covering 80y for the base 20 is provided with upwardly extending flange portions 81 as shown in Figs. 1, 3 and 4 resting against backing elements formed by the downwardly extending projections 84p of outer disposed cover-like wall sections 38 and are secured thereto at their upper disposed edges by molding strips 82 and screws 83 engaging similarly screw-threaded holes 84, see Fig. 7, while the rubber covering 80 is secured to the base 20 at its front end by a metallic tread bar 85 in turn secured to the base 20 as by so-called spot-welding.

The frame for the booth door D is formed by the front corner posts 26 and 27, the metallic tread bar 85, Figs. 1 and 2, secured to the booth base in cooperation with that portion of the triangularly-shaped casing C1 at the top of the booth which forms the U-shaped guiding member 63 for the slider 64 serving to guide the movement of the door D from the folded position shown in Fig. 1 to unfolded position shown in Fig. 2, the unfolding movement of the door D being effective to actuate in any well-known manner a switching device 67, Fig. 3, for energizing the lamp 68 of the lighting fixture used for the lighting of the interior of the booth.

What is claimed is:

1. A telephone booth comprising a base having upwardly extending flanges at three sides thereof metallic plates secured to said base and said flanges diagonally thereof for reinforcing said flanges, a plurality of corner posts, a plurality of means for securing said corner posts at their lower ends to said base and said flanges, two side walls and a rear wall for said booth, means formed with said metallic plates for supporting said rear wall and said side walls, and means for securing said rear wall and said side

walls to said corner posts in assembled relation to each other.

2. A telephone booth comprising a base having upward extending flanges at three sides thereof, metallic plates secured to said base and said flanges diagonally thereof, corner posts secured at their lower ends to said base and said flanges, a rear wall and two side walls, means formed with said metallic plates a predetermined distance from the top edges of said flanges forming bearing elements for said rear wall and said side walls at the lower ends thereof, means formed with said corner posts serving as backing elements for said walls interiorly of the booth, and means for securing said rear walls and said side walls to said backing elements, said backing elements permitting the mounting and removal of the rear wall and the side walls from the exterior of the booth.

3. A telephone booth comprising a metallic base having flanges extending perpendicularly from said base, corner posts secured at their lower end to said base and to means carried by said flanges, a rear wall and two side walls formed of metallic plates, reenforcing means for said flanges forming supports for said rear wall and said side walls, said corner posts having laterally bent portions forming locating means and backing means for said rear wall and said side walls, one of said metallic plates in each wall having a portion extending from said support to said base, a rubber covering for said base having upwardly extending portions disposed over the downwardly extending portion of each of the last mentioned metallic plates and means for securing said rubber covering in adjusted position to the downwardly extending portions of said metallic plates.

4. A telephone booth comprising a base having upwardly extending flanges at three sides thereof, metallic plates secured diagonally to said base and to said flanges for reenforcing the latter, said plates being bent to form bearing portions, two side walls and a rear wall for the booth resting on said bearing portions, corner posts, means carried by said base for securing

said corner posts at their lower ends to said base and to means formed with said flanges welded to said base, a roof for said booth having peripherally disposed rim portions resting on said walls and secured to said corner posts at the top end thereof, a plurality of brackets carried by said roof, a ceiling secured at three sides to said brackets, a casing of substantially triangular cross section secured to the front disposed corner posts and one of its sides secured to the underside of said roof, a door for said casing forming the front wall of the booth at the top entrance thereof, and lighting fixture for the booth housed in said casing.

5. A telephone booth having a plurality of walls, each of said walls comprising a common cover-like wall element having a hook member secured thereacross and inwardly thereof a plurality of box-like wall elements having their adjacent ends formed with portions engaging said hook elements, and means for securing the opposite disposed ends of said box-like elements to said cover-like element.

6. In a telephone booth, a base, flanges formed at three sides of said base, a plurality of walls, each of said walls comprising rectangularly shaped box-like wall elements, means extending from said base to a small distance from the edges of said flanges for reenforcing them and to form supports for said wall elements, each of said wall elements having portions extending from their bearing points on said support to said base to form backing members, corner posts secured to said base at the four corners thereof, said corner posts having shoulder portions forming frames for receiving said box-like wall elements from outside of the booth, means for securing said walls to said shoulder portions interiorly of the booth, molding strips hooked longitudinally to said corner posts for concealing said securing means from view at the interior of the booth, and a floor covering placed on said base and having portions extending upwardly in contact-ing relation with said backing members.

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