

Nov. 17, 1942.

F. S. CORSO

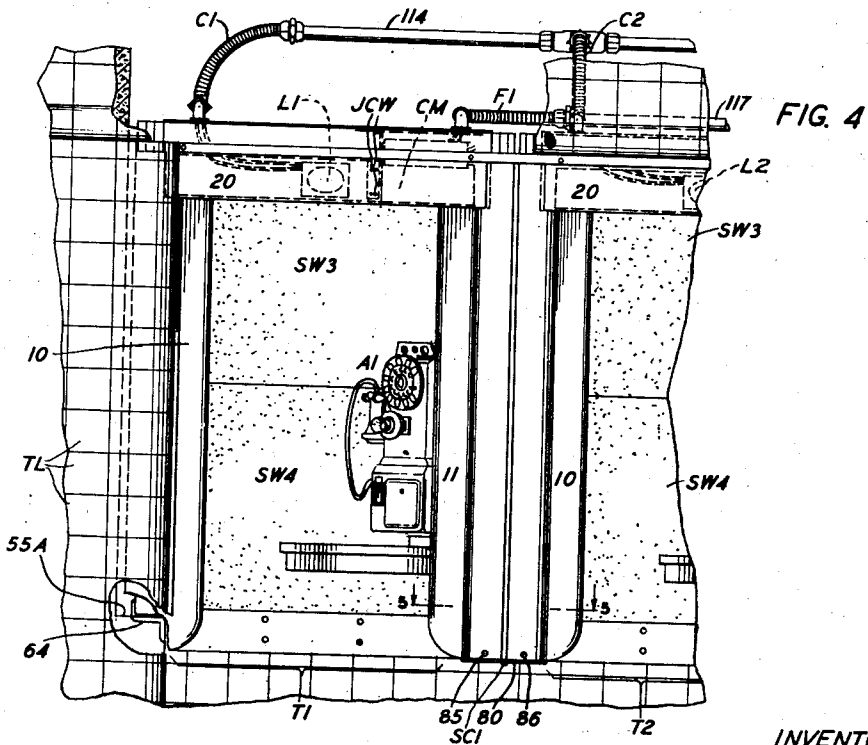
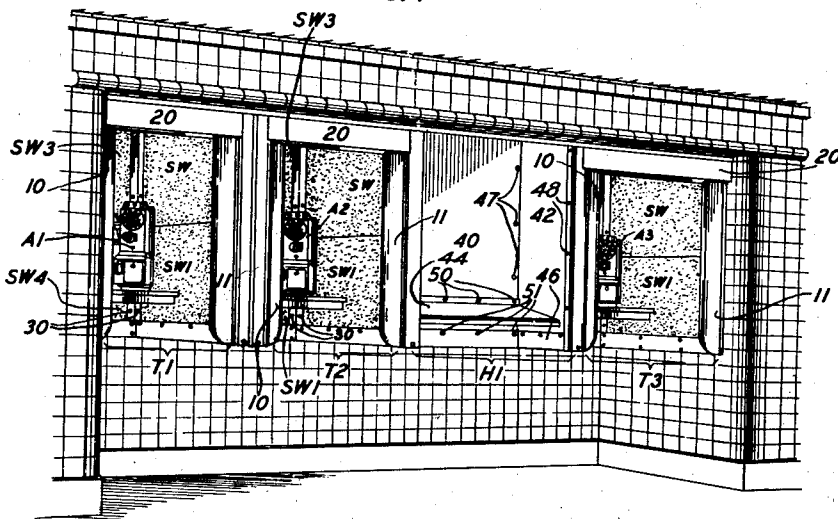
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TELEPHONE BOOTH

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9 Sheets-Sheet 1

FIG. 1



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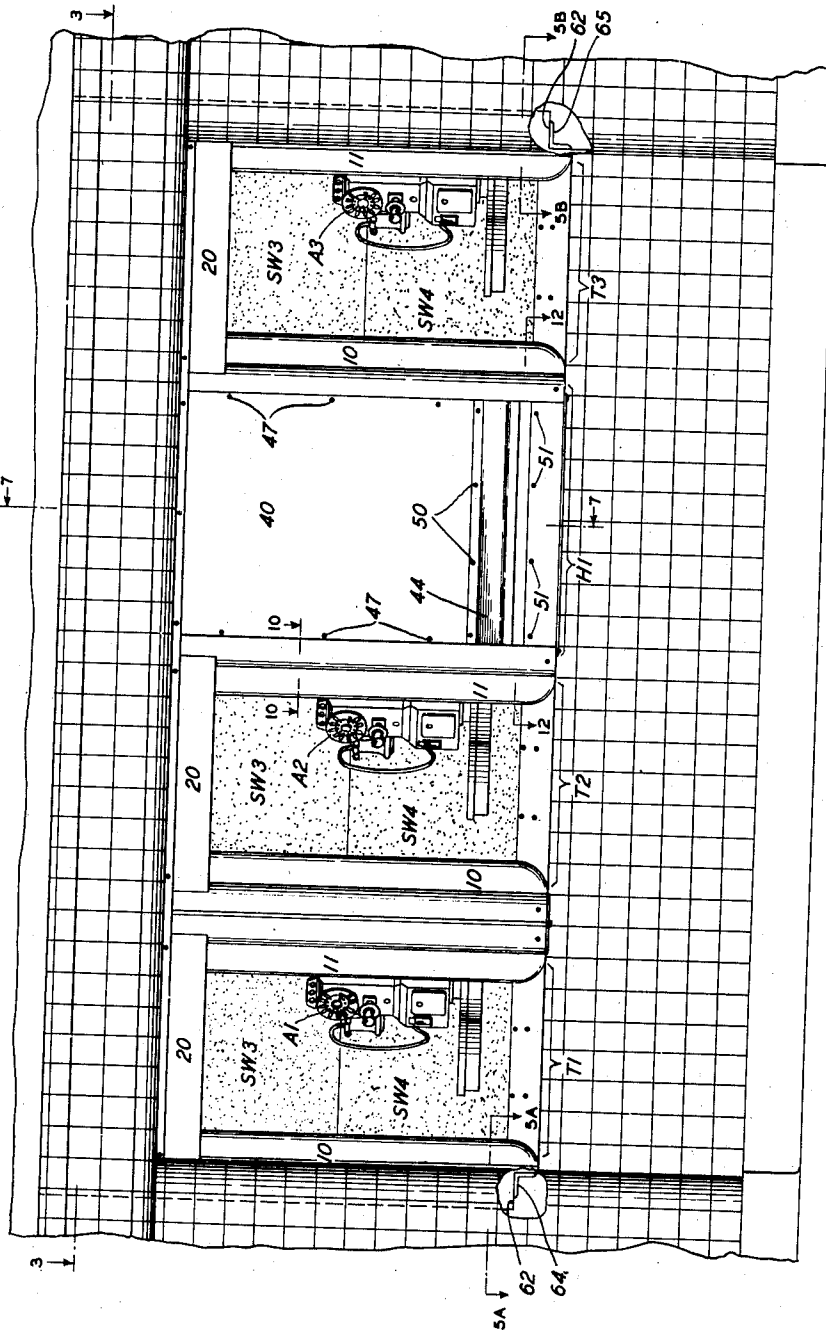
F. S. CORSO
TELEPHONE BOOTH

2,302,106

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9 Sheets-Sheet 2

FIG. 2



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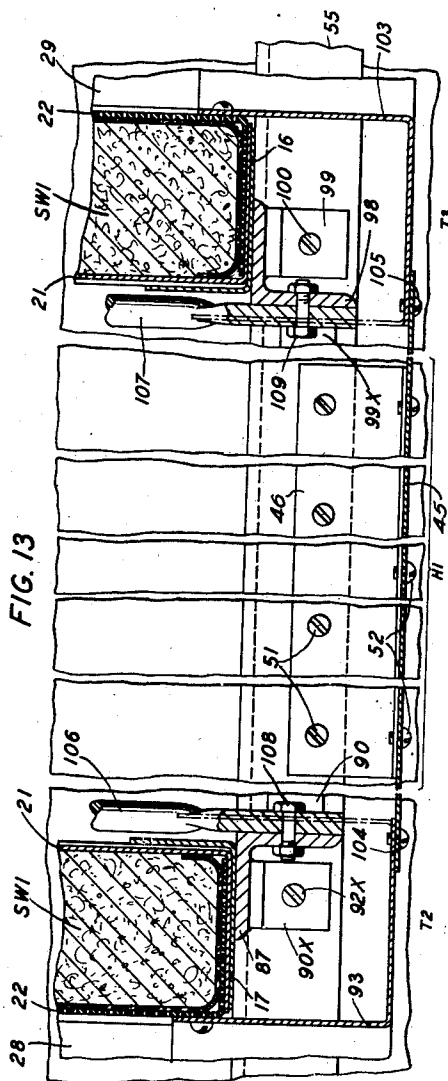
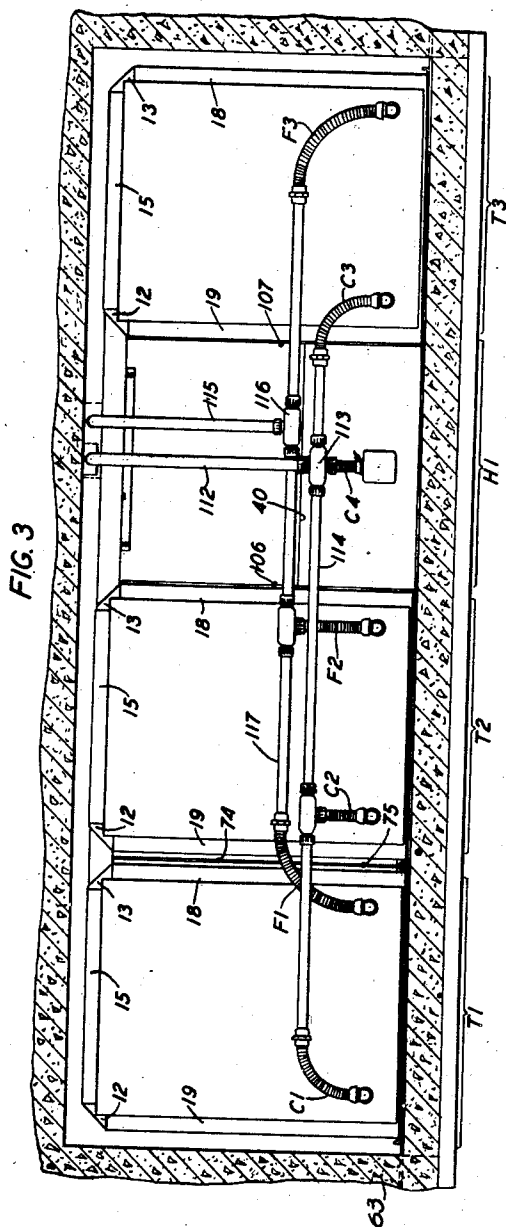
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2,302,106

TELEPHONE BOOTH

Filed April 8, 1941

9 Sheets-Sheet 3



Nov. 17, 1942.

F. S. CORSO

2,302,106

TELEPHONE BOOTH

Filed April 8, 1941

9 Sheets-Sheet 4

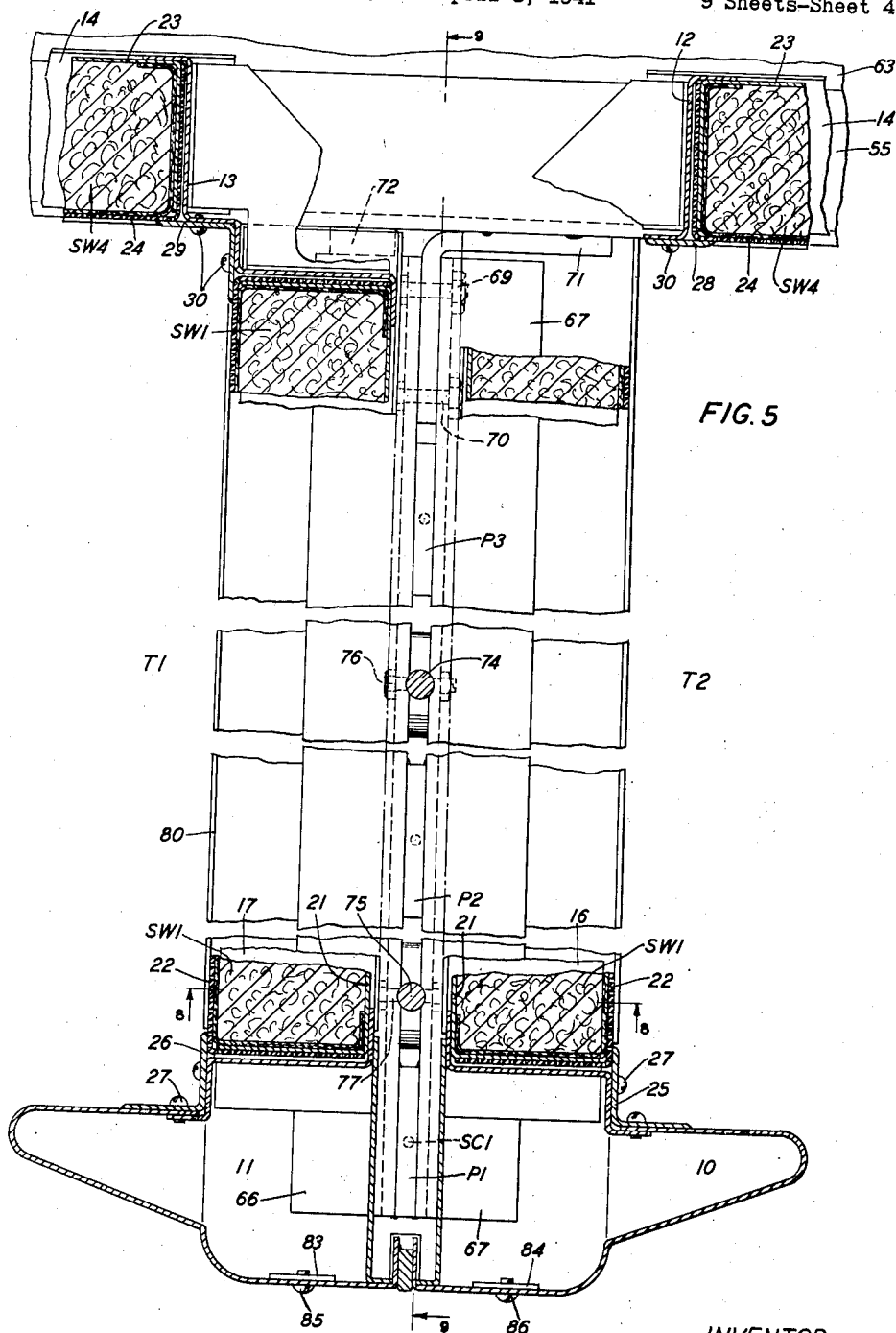


FIG. 5

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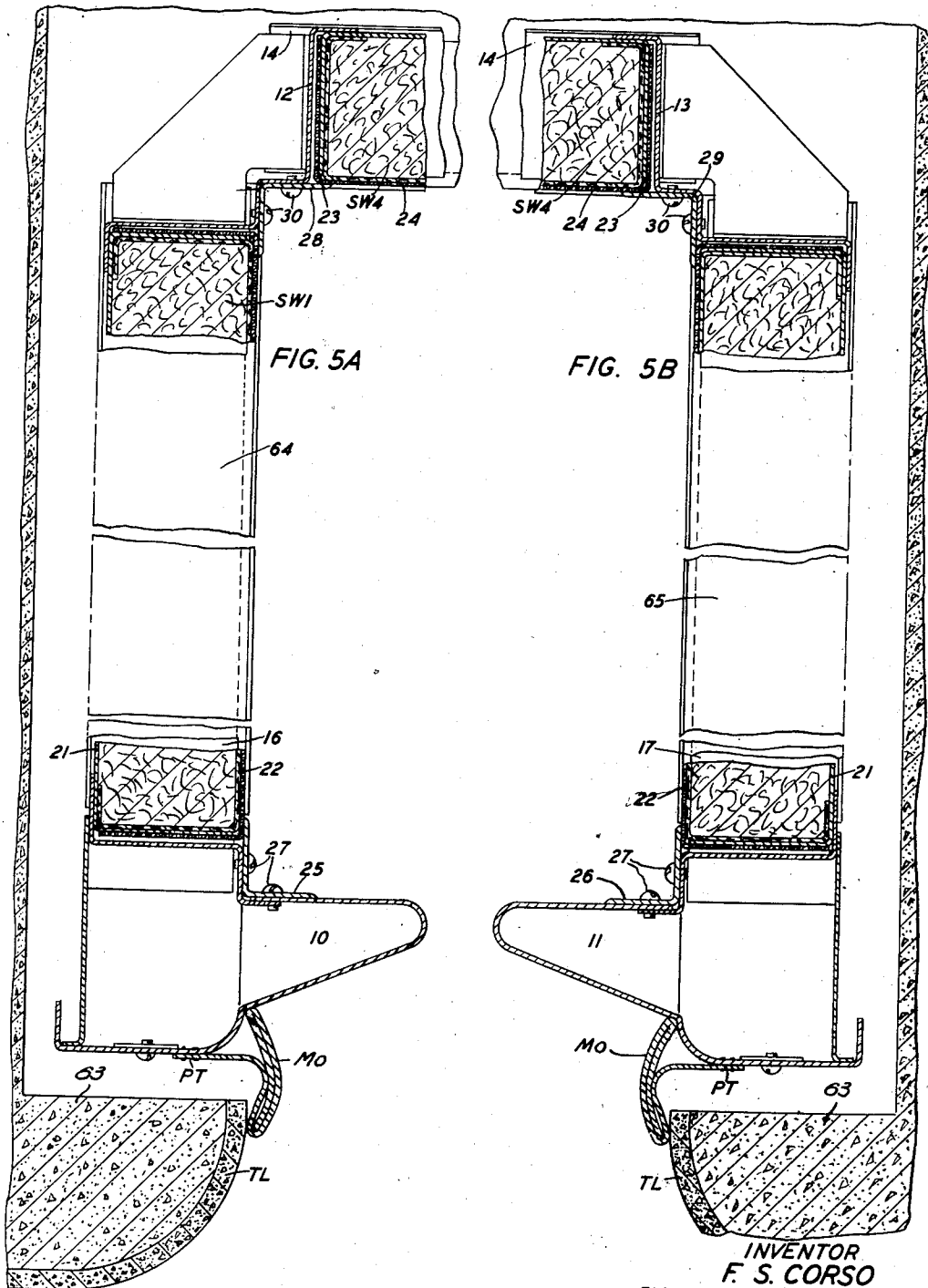
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TELEPHONE BOOTH

Filed April 8, 1941

9 Sheets-Sheet 5



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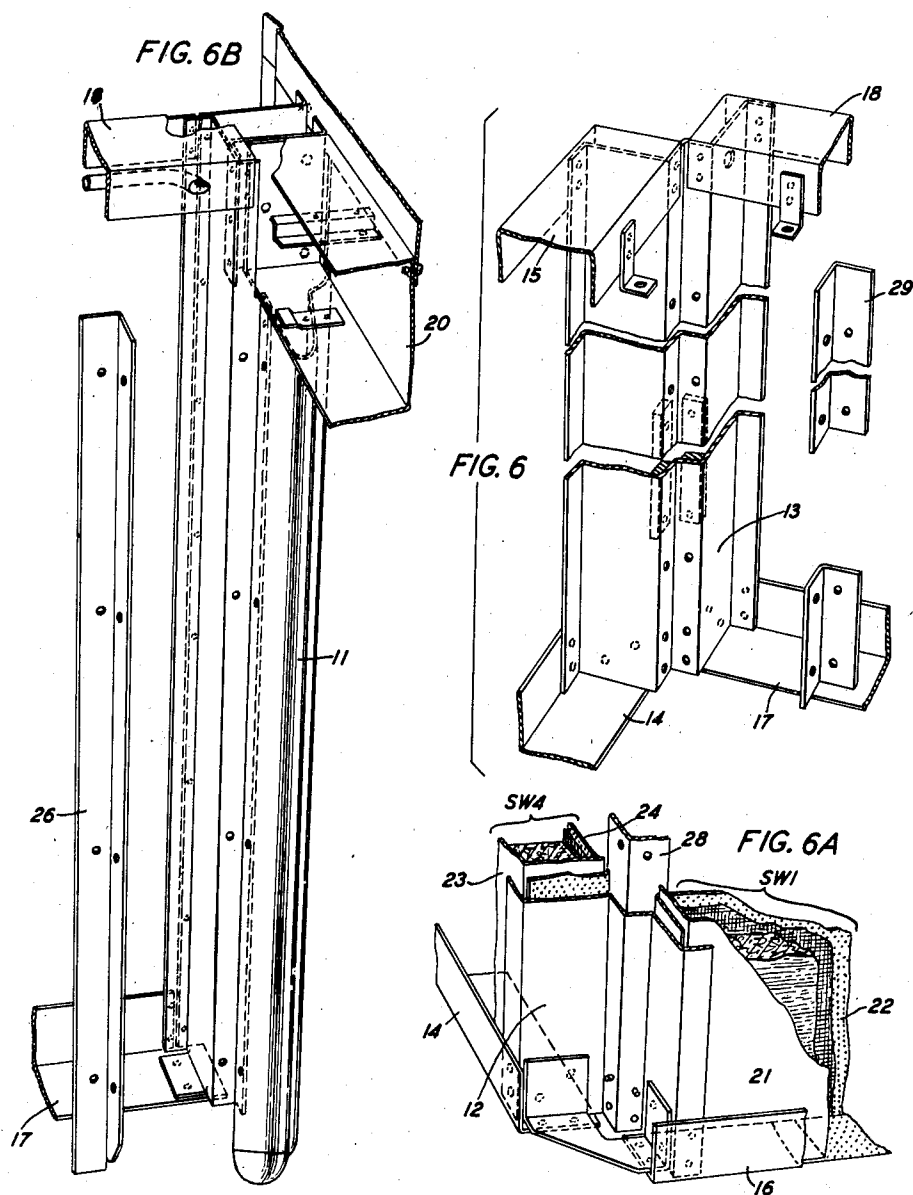
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TELEPHONE BOOTH

Filed April 8, 1941

9 Sheets-Sheet 6



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2,302,106

TELEPHONE BOOTH

Filed April 8, 1941

9 Sheets-Sheet 7

FIG. 7.

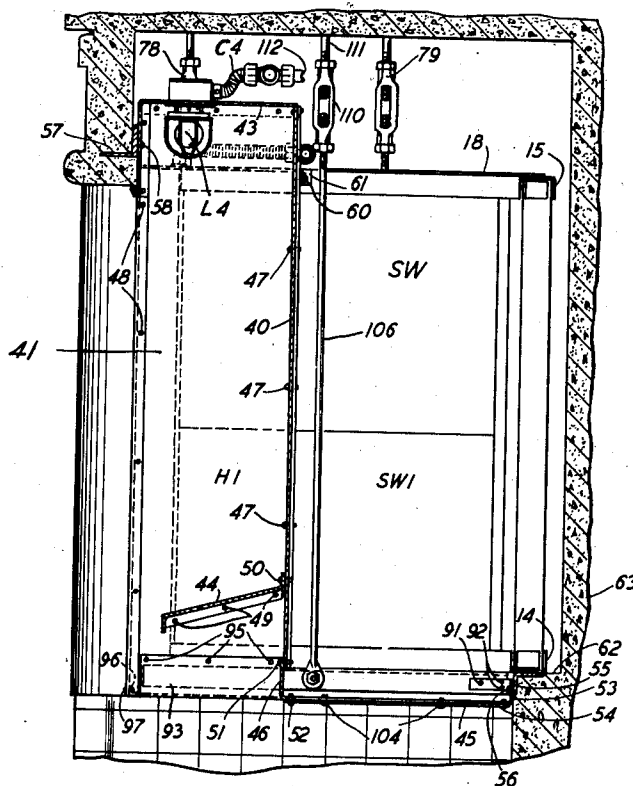
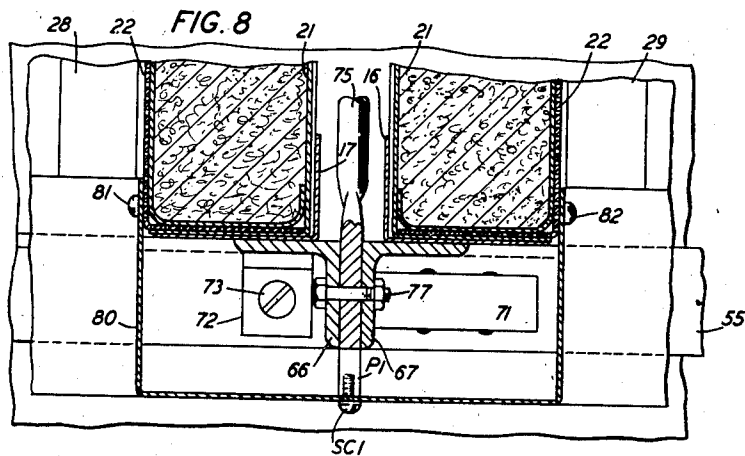


FIG. 8



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2,302,106

TELEPHONE BOOTH

Filed April 8, 1941

9 Sheets-Sheet 8

FIG. 9

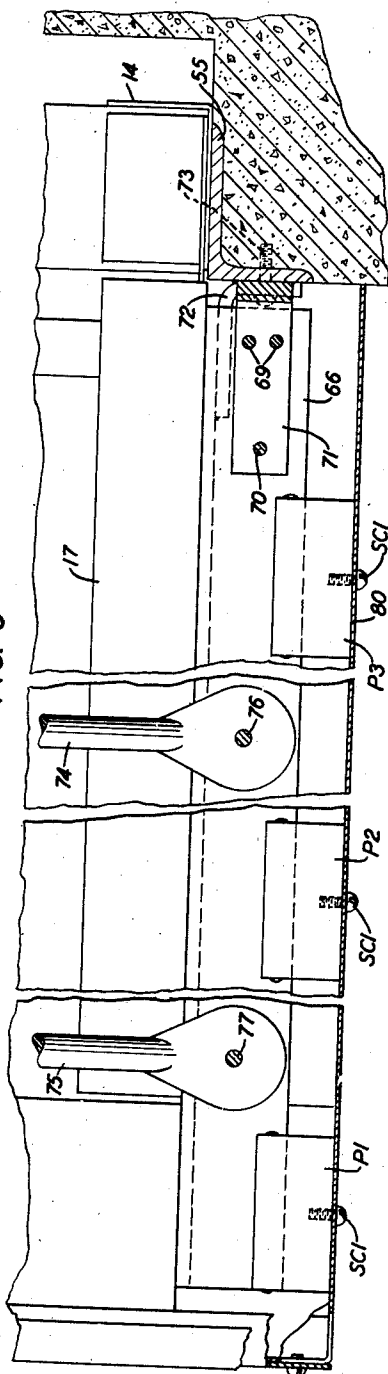


FIG. 11

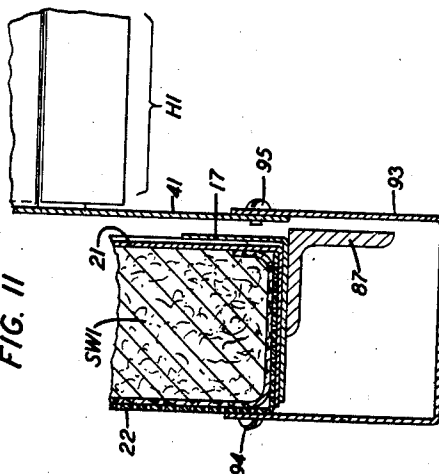
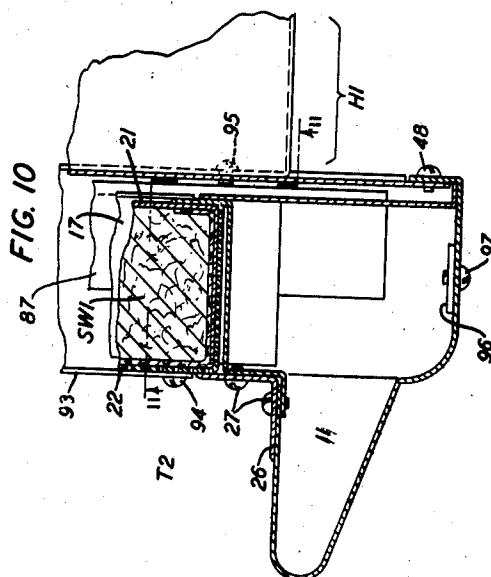


FIG. 10



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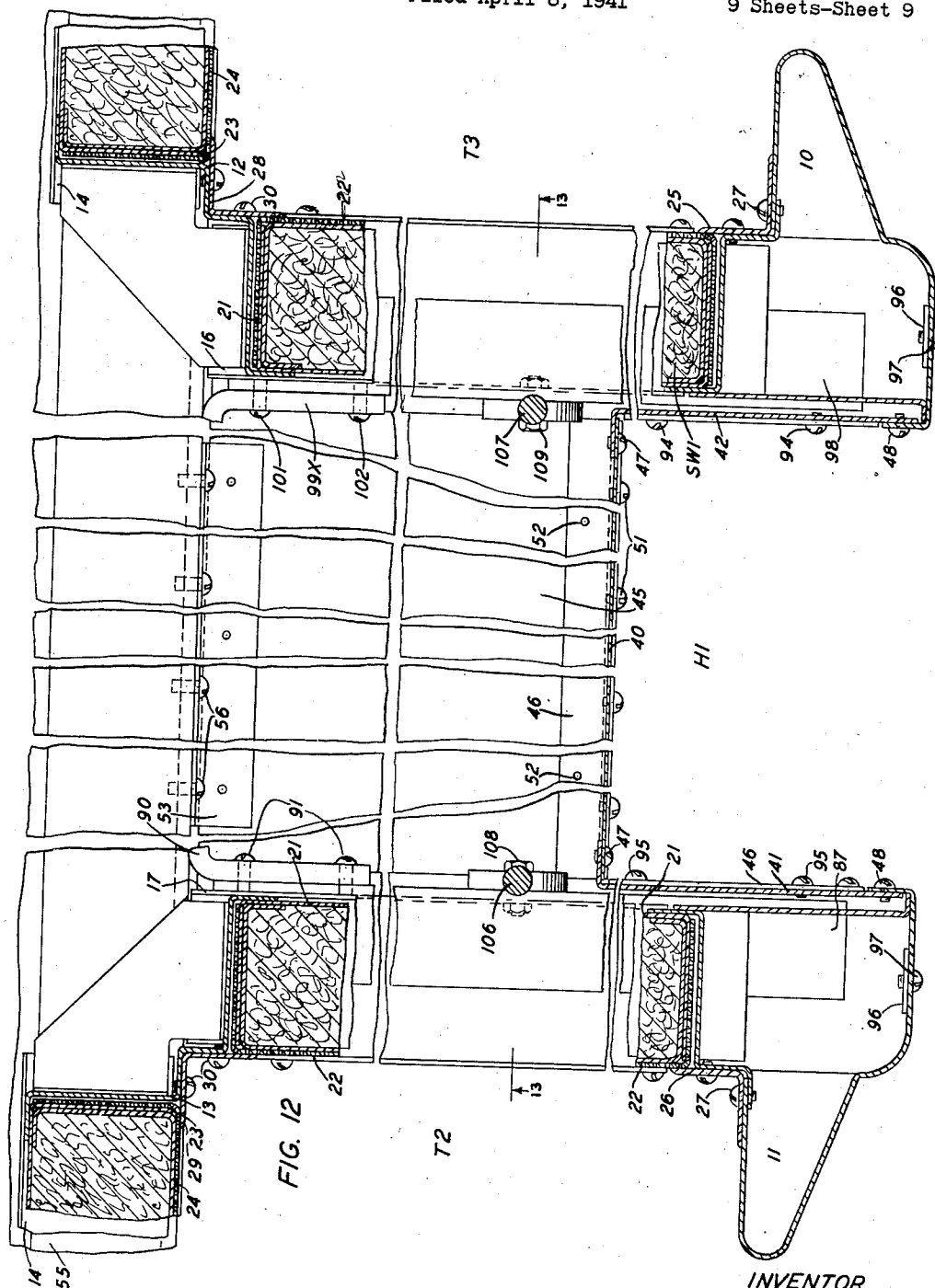
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2,302,106

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9 Sheets-Sheet 9



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UNITED STATES PATENT OFFICE

2,302,106

TELEPHONE BOOTH

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Application April 8, 1941, Serial No. 387,414

6 Claims. (Cl. 189—1)

This invention relates to metallic booths and more particularly to telephone booths of the so-called stall type.

The object of the invention is to provide a multi-telephone booth and shelf booth combined in a unitary structure with provision in the recess of a concrete wall for supporting the combined telephone booth and the shelf booth construction unit.

The multibooth structure of this invention is particularly well adapted for subway stations of transportation systems and is shown in that embodiment.

In accordance with the invention means is provided for uniting in a row and in a unitary structure a partial shelf booth assembly and a plurality of partial telephone booth assemblies, with means for uniting at predetermined points the walls of the telephone booths and at other points the walls of other of the telephone booths to the walls of the shelf booth. Means is provided for supporting this unitary structure which comprises a metallic bar supported by a ledge formed in the recess of a concrete wall, with a plurality of means carried by the metallic bar for supporting the combined telephone walls and the walls of the other telephone booth which are combined with the walls of the shelf booth, while other means anchored in the concrete wall connects with the means carried by the metallic bar to form part of the unitary structure supporting the latter at a predetermined distance from the floor in the recess, a wall of the telephone booths which are disposed at the extreme ends in the row at the entrance of the booths being provided with means abutting against the concrete wall to form a frame around the front edges of the recess housing the telephone booth unit structure.

Other novel features of the invention and advantages 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 multitelephone booth and the shelf booth construction of the invention shown in perspective mounted in the recess of a concrete wall;

Fig. 2 is a front elevation thereof;

Fig. 3 is a top view showing the manner of distributing the lead-in light and telephone wires to the different booths, the recessed wall being shown in horizontal section taken on line 3—3 of Fig. 2;

Fig. 4 is a partial view of the unit booth con-

struction showing the left-hand disposed telephone booth and a portion of its adjacent telephone booth, the concrete wall being shown with portions broken away;

Fig. 5 is a partial view showing the combined side walls of two adjacently disposed telephone booths shown in horizontal section taken on line 5—5 of Fig. 4;

Fig. 5A is a partial view showing the left side wall of the left end disposed telephone booth in horizontal section taken on line 5A—5A of Fig. 2;

Fig. 5B is a partial view showing the right side wall of the right end disposed booth in horizontal section taken on line 5B—5B of Fig. 2;

Fig. 6 is a view of one of the rear corner posts used in the telephone booth unit construction of the invention shown in perspective;

Fig. 6A is a partial view showing in perspective another rear corner post, a portion of one of the side walls and a portion of one of the rear walls being shown secured in position thereon;

Fig. 6B is a view of one of the front corner posts of the telephone booth unit construction of the invention shown in perspective;

Fig. 7 is a vertical section of the shelf booth taken on line 7—7 of Fig. 2;

Fig. 8 is a horizontal sectional view showing portions of the side walls of two adjacent telephone booths taken on line 8—8 of Fig. 5;

Fig. 9 is a vertical sectional view of a portion of a side wall taken on line 9—9 of Fig. 5;

Fig. 10 is a horizontal sectional view of the combined side wall of a telephone booth and the side wall of the shelf booth taken on line 10—10 of Fig. 2;

Fig. 11 is a vertical section taken on line 11—11 of Fig. 10;

Fig. 12 is a horizontal sectional view of the shelf booth and the adjacent side walls of two telephone booths taken on line 12—12 of Fig. 2; and,

Fig. 13 is a horizontal sectional view taken on line 13—13 of Fig. 12.

The shelf booth and multitelephone booth unit construction of the invention consists as shown in Figs. 1, 2 and 3 of a plurality of telephone booths T1, T2, a shelf booth H1 and the telephone booth T3 arranged in consecutive order in a row.

Each of the telephone booths T1, T2, T3 is formed of a frame structure comprising two rear corner posts 12 and 13, best seen in Figs. 3, 5, 5A, 5B, 6 and 6A, and two front corner posts 10 and 11. The rear disposed corner posts 12 and 13 of each telephone booth T1, T2 and T3 are

held in spaced relation to each other at their lower ends by similar angle bars 14 and at their upper ends by inverted U-shaped bars 15, best seen in Figs. 6 and 6A, while the rear corner posts 12 and 13 are held in spaced relation to the front corner posts 10 and 11 at their lower ends by angle bars 16 and 17 and at their upper ends by the inverted U-shaped bars 18 and 19, shown in Figs. 3, 6 and 6B, the front corner posts 10 and 11 of each booth T1, T2 and T3 being held in spaced relation at their upper ends by relatively large shaped channel members 20 forming with the corner posts 10 and 11 the entrances of the booths and to the left side corner post of telephone booth T1 and to the right corner post of telephone booth T3 as shown in Figs. 5A and 5B is welded as along the point PT, a molding MO of substantially T cross-section having one of their edges bearing against their respective corner posts and their other edges against the tiles TL in the front of a concrete wall 63.

The right and left side walls of each telephone booth are formed of two sections SW and SW1 made of interfitting box and cover-like members 21 and 22 while the rear wall of each telephone booth is formed of two sections SW3 and SW4, best seen in Figs. 1, 2, 4 and 5, also formed of interfitting box and cover-like members 23 and 24.

The front edges of the side walls of the telephone booths T1, T2 and T3 are held in assembled relation on the corner posts 10 and 11 by metallic bars such as 25 and 26 of angular cross-section secured to these corner posts by a number of screws 27. Similarly, the rear disposed edges of the sections SW and SW1 forming the side walls of the booths T1, T2 and T3 and the adjacent edges of the rear wall sections SW3 and SW4 are held to the rear corner posts 12 and 13 by bars such as 28 and 29 secured to these corner posts by a number of screws 30, best seen in Figs. 1, 5, 5A, 5B and 12.

The shelf booth H1 as shown in Figs. 1, 2, 3, 7, 12 and 13 consists of a vertically disposed plate 40 forming the rear wall of the booth, the side walls 41 and 42, the ceiling 43, the shelf 44 the horizontally disposed plate 45 and a substantially L-shaped rim 46. The side walls 41 and 42, shown in Figs. 7 and 12, are secured along their front vertical edges to the front corner posts 10 and 11 of its two adjacent telephone booths T3 and T2 by screws 43. These side walls are bent at right angles along their rear edges to be secured to the opposite edges of rear wall 40 by a number of screws 47, while the shelf 44 is bent downwardly at right angles at its extreme ends for securing it to the walls 41 and 42 by a number of screws 49. The rear longitudinal edge of shelf 44 is bent at an angle to register with the plane of rear wall 40 to which it is secured as by a plurality of screws 50. The lower edge of rear wall 40 is secured to a rim or strip 46 of substantially L cross-section by a plurality of screws 51, shown in Figs. 1, 2, 7, 12 and 13, and at the front edge of the horizontally disposed plate 45 by a number of screws 52. The rear disposed longitudinal edge of plate 45 is secured to a strip 53 by a number of screws 54, the strips in turn being secured to an angle bar 55 by a number of screws 56.

The vertically disposed portion of ceiling 43, as shown in Fig. 7, is secured to an angle bar 57 embedded in the concrete at the top front side of the shelf booth by a number of screws 58 and

to each of the spacer members 18 and 19 at the top end of telephone booths T2 and T3 is secured an angle piece such as 60 to which the side walls 41 and 42 at the top end of the shelf booth are secured collectively by screws such as 61.

The telephone booths T1, T2, the shelf booth H1 and the telephone booth T3 are supported at their rear ends by the angle bar 55 forming part of a ledge 62 formed with the concrete wall 63, while the right disposed side wall of telephone booth T3 and the left disposed side wall of telephone booth T1 rest on angle bars such as 64 and 65, best seen in Figs. 2, 5A and 5B forming the sides of the ledge formed in the concrete wall 62.

The spacer members 17 and 16 at the lower end of the right side wall of telephone booth T1 and the left side wall of telephone booth T2 as shown in Figs. 5 and 8, rest on bars 66 and 67 of angular cross-section. These bars are secured by a number of bolts 69 and 70 at their rear disposed ends to an angle piece 71 having one of its sides serving as spacers therebetween and its other side welded to the ledge angle bar 55, while a second angle piece 72, best seen in Fig. 8, has one of its sides welded to the underside of angle bar 66 and its other side secured to the angle ledge bar 55 as by a screw 73. The angle bars 66 and 67 are supported at two points along their lengths by rods 74 and 75 having their lower ends attached to these bars by bolts 76 and 77, the opposite ends of these bars, as shown in Fig. 7, being anchored into the concrete wall 63 and provided with turnbuckles 78 and 79 serving to adjust the height of these bars to that of the level of the ledge bar 55.

A U-shaped hood member, best seen in Figs. 5, 8 and 9, is secured along its middle length portions to spacer members P1, P2 and P3, welded to the angle bar 66, by a number of similar screws CS1 and along one of its longitudinal edges to the lower end of box-like member 22 forming the inner right side wall of telephone booth T1 by a number of screws 81, see Fig. 8, and along its other longitudinal edge to the lower end of box-like member 22 of telephone booth T2 by a number of screws 82, while the front disposed end of hood member 80 is provided with two upwardly extending lug portions 83 and 84, best seen in Fig. 5, secured to the front corner posts 11 and 10 of telephone booths T1 and T2 by screws 85 and 86.

The right side wall SW1 of telephone booth T2 rests on an angle bar 87, best seen in Figs. 10, 11, 12 and 13, secured at its rear disposed end to angle bar 55 and to angle pieces 90 and 90x by a number of screws 91 and 92x, respectively, the angle piece 90 having one of its sides in turn welded to the ledge angle bar 55 and one side of the angle piece 90x as shown in Fig. 13 is welded to the angle bar 87.

A hood in the form of U-shaped bar 93 as shown in Fig. 11 has one of its longitudinal edges secured to the lower end of box-like element 22 of side wall SW1 by a number of screws 94 and that portion of its longitudinal edge in the shelf booth H1 to the plate 41 by a number of screws 95, the front end of this hood being provided with an upwardly extending lug 96, Figs. 10 and 12, secured to the front corner post 11 of telephone booth T2 by a screw 97, while the underside of U-shaped bar 93 serves for securing the plate 45 of shelf booth H1 along its right end edge by a plurality of screws 104 shown in Figs. 7 and 13.

The left disposed side wall of telephone booth

T3 rests on an angle bar 98 extending perpendicularly from the shelf angle bar 55 and secured thereto by angle pieces 99 and 99x, best seen in Fig. 13. Angle piece 99 is welded to the underside of bar 98 and secured to the shelf bar 55 by a screw 100, while the angle piece 99x is welded to the angle bar 55 and secured to the bar 98 by a number of screws 101 and 102, best seen in Fig. 12.

A U-shaped hood member 103, Fig. 13, has one of its longitudinal edges secured to the lower end of the box-like member 22 forming the inner wall of telephone booth T3, and that portion of its longitudinal edge which extends within the shelf booth H1 is secured to the side wall 42 of the shelf booth H1, by screws 94, while the plate 45, as shown in Figs. 7 and 13, is secured at its right side edge to the underside of hood 103 by a plurality of screws 105. The angle bars 87 and 98 supporting the right and left side walls of shelf booth H1 combined with the side walls of telephone booths T2 and T3 are held at their end portion by rods 106 and 107 having one of their ends secured to these bars by bolts 108 and 109 with their opposite ends terminating in screw-threaded portions each engaging a turn-buckle as 110 in turn engaging at their opposite ends with studs 111 embedded into the concrete wall 63.

In the telephone booth and shelf booth unit construction of the invention, the lead-in wires are distributed to the lighting fixtures L1, L2 and L3 of the telephone booths T1, T2 and T3 and to the lighting fixture L4 of the shelf booth H1 through a pipe or tubing 112 branching at the outlet box 113 with a tubing 114, the latter having flexible tubing connections C1, C2, C3 leading to the lighting fixtures L1, L2 and L3 and the flexible tubing connection C4 leading to the lighting fixture L4 in the shelf booth H1. The lead-in wires for the telephone apparatus A1, A2 and A3 in telephone booths T1, T2 and T3 are distributed to this apparatus through the tubing 115 branching at the outlet box 116 with a tubing 117 having flexible tubing portions F1, F2 and F3 leading to the ringers, condensers and induction coils (not shown) housed in the compartments CM shown in dotted lines in Fig. 4 formed at the top front end of each telephone booth in a manner to give access to the apparatus from the interior of the booths by the simple removal of a number of ordinary screws engaging the spacers 20 at the front of each booth.

What is claimed is:

1. A plurality of telephone booths and a shelf booth of unit construction in which the rear walls of the telephone booths and an element of the shelf are supported by a ledge formed by a metallic angle bar secured to a support and other bars extending perpendicularly to the first-mentioned bar to serve as supports for the side walls of the telephone booths.

2. A plurality of telephone booths and a shelf booth of unit construction in which the rear walls

of the telephone booths and an element of the shelf booth rest on a ledge formed of a metallic angle bar supported by a concrete wall, other bars extending perpendicularly to the first-mentioned bar for supporting the side walls of a number of said booths individually and the combined side walls of the other of said telephone booths and adjustable rods having one of their ends anchored in the concrete wall and their other ends secured to the last-mentioned bars along their lengths for supporting them.

3. A plurality of telephone booths and a shelf booth of unit construction disposed in a row, the rear walls of said telephone booths resting on a common angle bar forming a ledge, means laterally extending from said ledge for supporting the other side walls of said booths, one wall of each of two of said telephone booths serving for securing the side walls of said shelf booth, said common angle bar serving for securing an element of said shelf booth.

4. A plurality of telephone booths and a shelf booth of unit construction, a frame for supporting said telephone booths and said shelf booth, said frame comprising angle bars anchored in a recessed concrete wall, a plurality of pairs of arm members secured at one of their ends to one of said bars in registering relation with said side walls to serve as rests therefor, means anchored in the ceiling of the recessed walls for supporting said arm members at their free ends, and a plurality of means for securing elements of said shelf booth to said angle bars.

5. A plurality of stall type telephone booths and a shelf booth disposed in a row, an angle bar embedded in a recessed wall with the latter forming a ledge for collectively supporting the rear walls of said telephone booth and an element of said shelf booth, a plurality of means secured to said angle bars and extending perpendicularly therefrom in registering relation with the side walls of said telephone booths to serve as rests therefor, two of said telephone booths serving for securing the side walls of said shelf booth and means at the top front end of said shelf booth for securing the latter to means embedded in the concrete wall.

6. A plurality of stall type telephone booths and a shelf booth disposed in a row in a recessed concrete wall, a ledge formed in the concrete for supporting the rear walls of said telephone booths collectively and securing one element of said shelf booth at one edge thereof, two of said booths serving for securing the side walls of said shelf booth, a rear wall for said shelf booth secured at its lower end to said element, and along its longitudinal edges to means carried by said side walls, and angularly shaped plate forming a ceiling and a front wall portion for the shelf booth, and means for securing said ceiling to said side walls and its front wall portion to means embedded in the concrete wall.

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