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P. H. SHERRON

2,215,799

ADJUSTABLE TELEPHONE SUPPORT

Filed April 1, 1938

2 Sheets-Sheet 1

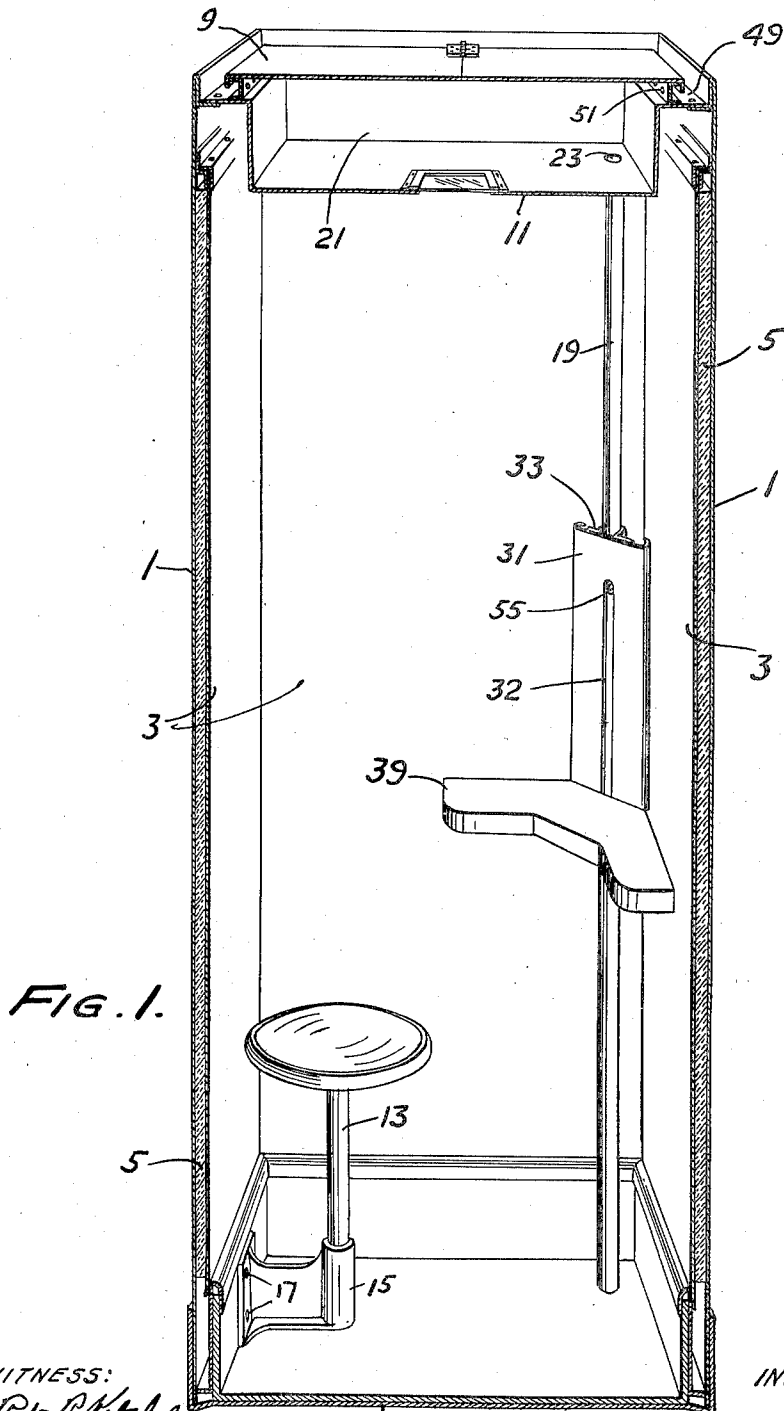


FIG. 1.

WITNESS:

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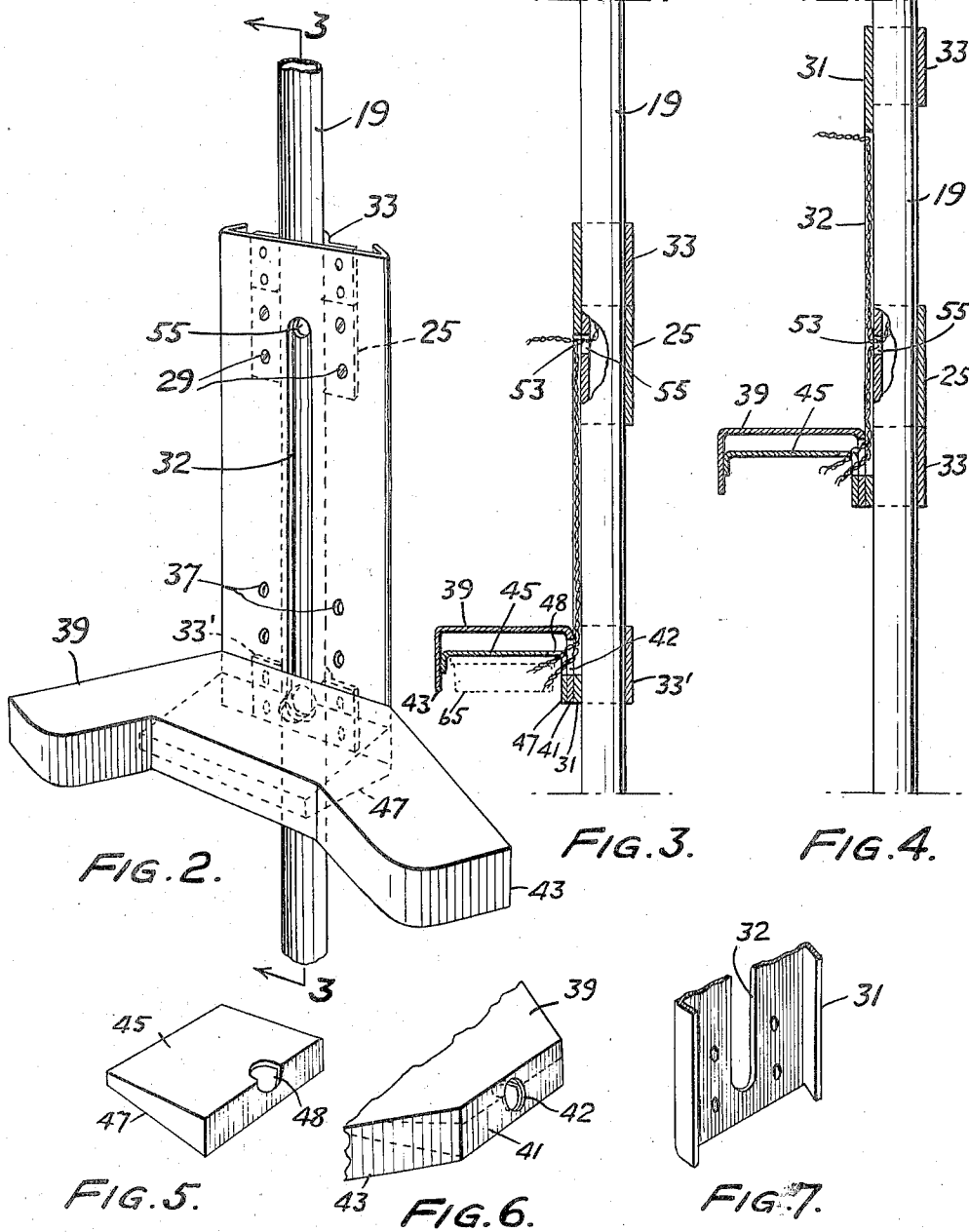
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2 Sheets-Sheet 2



WITNESS:

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UNITED STATES PATENT OFFICE

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ADJUSTABLE TELEPHONE SUPPORT

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Application April 1, 1938, Serial No. 199,453

5 Claims. (Cl. 179-148)

This invention is directed to an adjustable telephone support and particularly to a telephone supporting means adapted to be used in public telephone booths and capable of easy adjustment by authorized workmen, but not by the users, into positions designed for a standing or a seated user, as desired.

Since my improved telephone support is particularly adapted for use in a telephone booth it will be so described, although its use obviously is not so limited. My improved telephone support may be used to advantage in any telephone booth, but is specifically designed for use in a telephone booth of the type described and claimed in my copending application, Serial No. 120,322, filed January 13, 1937, and so will be specifically described with reference thereto.

In the accompanying drawings:

Fig. 1 is a vertical section through a telephone booth of the type described in my said application, showing my telephone support in place and positioned for use by a seated person.

Fig. 2 is a detail view of the telephone shelf and supporting panel.

Fig. 3 is a vertical section on the line 3-3 in Fig. 2.

Fig. 4 is a sectional view similar to Fig. 3 but showing the support adjusted for use by a standing person.

Fig. 5 is a detail view of the bell box supporting plate.

Fig. 6 is a fragmentary detail view of the telephone shelf; and

Fig. 7 is a detail view of the lower end of the supporting panel.

The telephone booth shown in Figure 1 comprises essentially an outer wall 1, an inner wall 3 spaced therefrom and extending around three sides of the booth, sound insulation 5 between the walls, a floor assembly 7 welded to the outer wall 1, a hinged, removable roof 9 and a ceiling 11 spaced from the roof.

Positioned within the booth is a seat assembly 13 secured in bracket 15 which is fastened to the floor assembly 7 by machine screws 17 and thus may be easily removed by removal of the screws. A hollow cylindrical standard 19 extends from floor to ceiling within the booth adjacent the rear corner thereof opposite the seat 13, and opens into the space 21 above the ceiling through aperture 23 in the ceiling 11.

A strap 25 is welded or otherwise secured to standard 19 at a point somewhat more than half way from the floor to the ceiling, and in this strap

facing the booth interior, are provided four tapped holes to receive machine screws 29.

A backboard 31 is mounted slidably on standard 19 by means of straps 33, 33' fixedly secured thereto and slidable on standard 19. Eight holes 37 large enough to receive screws 29 are drilled in the body of backboard 31 and are arranged in two groups of four each, each group of four being arranged in the same relative position as the holes in strap 25. The holes 37 are so arranged that when the backboard 31 is in lower position with strap 33 contacting the fixed strap 25, as shown in Fig. 3, the holes in strap 25 will coincide with the upper group of holes 37 and screws 29 may be passed through backboard 31 and into strap 25 to secure the former firmly to standard 19. Similarly, when the backboard 31 is in upper position with strap 33' contacting strap 25, the screws 29 may be passed through the lower group of holes 37 in backboard 31.

A slot 32 extends vertically centrally of the backboard 31 for substantially its entire height and affords communication, through aperture 55, with the hollow interior of standard 19 when the backboard is in either upper or lower position.

Secured to the lower part of the backboard 31 is a shelf 39, extending forwardly and laterally of the backboard. The shelf is formed of sheet metal and is provided with a flange 41 at the rear for attachment to the backboard and a skirt 43 along the front and side edges. The free rear edges of the shelf closely abut the inner wall 3 of the booth, as shown in Fig. 1. The shelf 39 is centrally stiffened and reinforced by a plate 45 positioned beneath the central portion thereof, and having a depending flange 47 of varying width secured to flange 41 and skirt 43 of the shelf.

An aperture 48 in the top and rear flange of plate 54 is aligned with an aperture 42 in the flange 41 of shelf 39, and both apertures are aligned, when the structure is assembled, with the lower end of slot 32, as shown in Fig. 3.

The telephone instrumentalities may be secured to the backboard 31 or may be positioned on the shelf 39, or partly in one way and partly in the other. The bell box 65 may conveniently be secured in place on the under side of plate 45, as shown in Fig. 3.

The wires for the telephone instruments will conveniently be brought into the booth from the top, along the channel 49 adjacent the edge of roof 9, through one of the apertures 51 into the space 21 and thence into the interior of hollow standard 19 through aperture 23. From the interior of standard 19 the wire, shown as 53, will

pass, when the backboard 31 is in its lower position, through aperture 55 in the standard 19, and slot 32 in the backboard 31 to the telephone instruments on the backboard or shelf 39; and down the slot 32 and through apertures 42 and 48 to the bell-box 65. When the backboard 31 is in its upper position the wire 53 will enter slot 32 centrally and may pass up the slot to the telephone instruments, and down the slot to the bell box, as shown in Fig. 4.

It will be appreciated that the telephone booth may be readily converted for use when standing by removing seat assembly 13 and bracket 15, taking out the four screws 29, sliding the backboard 31 and shelf upwardly on standard 19 until plate 33' contacts strap 25 and replacing screws 29. The wiring arrangements need not be disturbed, since any necessary increase or decrease in the length of wire used will be compensated by using or replacing slack wire left for the purpose in the interior of standard 19.

If it is desired to conceal the wires lying in slot 32 a removable cover plate having an opening for wires at the top may be provided to cover the exposed portion of the slot.

By reason of the fact that screws 29 cannot be removed except by the use of a suitable tool, the position of the backboard cannot easily be changed by the transient user thereof. This is desirable, since possible injury to the equipment is thereby averted.

This application is filed as, and constitutes, a continuation-in-part of my copending application Serial No. 122,363, filed January 26, 1937.

What I claim and desire to protect by Letters Patent is:

1. In combination, an upright tubular standard and means for fixedly supporting a telephone thereon at a plurality of selected heights, said means comprising a telephone carrier slidably mounted on said standard, means fixedly secured to said standard and provided with a group of tapped holes therein, said carrier having a plurality of groups of apertures therein each group of which may be made, by vertical movement of said carrier, to coincide with said group of tapped holes, and a plurality of screws passing through one of said groups of holes in said carrier and engaged in said group of tapped holes to secure said carrier in the selected position.

2. In combination, a hollow upright tubular

standard, a telephone carrier securable thereto at a plurality of heights and provided with a horizontal shelf having a depending flange about its outer edges, a horizontal plate secured beneath said shelf above the lower edge of said flange and adapted to support in suspended position a telephone bell box, an aperture in the wall of said standard and an aligned aperture in said carrier for passage of wiring into the interior of the standard.

3. In combination, an upright tubular standard and means for fixedly supporting a telephone thereon at a plurality of selected heights, said means comprising a telephone carrier slidably mounted on said standard, means fixedly secured to said standard adjacent said carrier, and means connecting said carrier and said last named means to secure the former to the latter in a plurality of vertically spaced positions, said connecting means being removable only by the use of a suitable tool; said combination being additionally characterized by the fact that there is an aperture in the wall of said standard and a slot in said carrier aligned therewith and extending vertically for a distance at least equal to the difference between the extreme upper and lower positions in which the carrier may be secured to the support.

4. The combination set out in claim 2, additionally characterized by the fact that there is an aperture in the wall of said standard and a slot in said carrier aligned therewith and extending vertically for a distance at least equal to the difference between the extreme upper and lower positions in which the carrier may be secured to the support.

5. In combination, an upright tubular standard and means for fixedly supporting a telephone thereon at a plurality of selected heights, said means comprising a telephone carrier slidably mounted on said standard, a strap fixedly secured to said standard and provided with a group of tapped holes therein, said carrier having a plurality of groups of apertures therein each group of which may be made, by vertical movement of said carrier, to coincide with said group of tapped holes, and a plurality of screws passing through one of said groups of holes in said carrier and engaged in said group of tapped holes in the strap to secure said carrier in the selected position.

PERCIVAL H. SHERRON.