

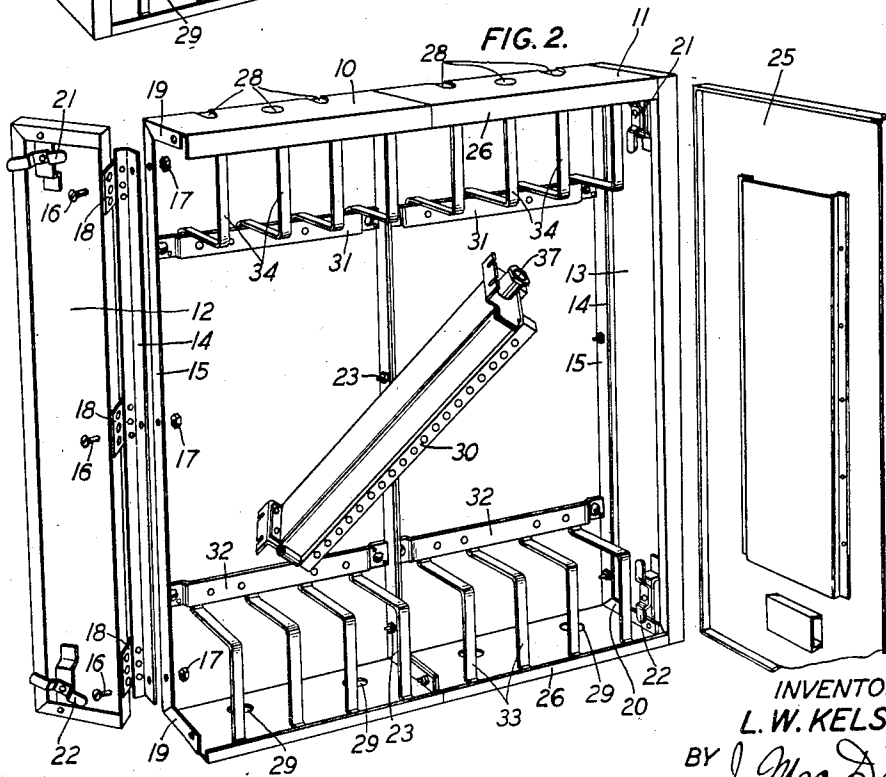
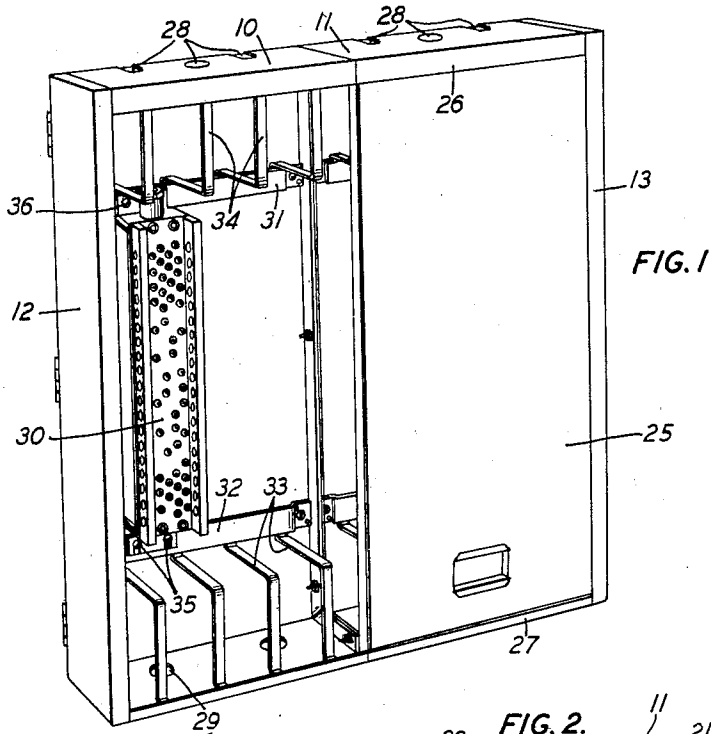
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CABLE TERMINAL

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CABLE TERMINAL

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1 Claim. (Cl. 247—11)

This invention relates to cable terminals and the like and more particularly to a cable terminal in which various types of binding post panels may be mounted.

5 One of the objects of this invention is to provide a cable terminal in which the binding posts are readily accessible.

10 Another object of the invention is to provide a cable terminal in which various sizes and types of binding post panels may be mounted.

A further object of this invention is to provide a cable terminal in which the binding post panel may be mounted so that the cable stub may enter either from the top or the bottom of the terminal.

15 A still further object of this invention is to provide a cable terminal the housing of which is formed in sections each section being interchangeable with the other.

20 A still further object of this invention is to provide a cable terminal housing which may be readily altered in size to suit the various needs and conditions.

25 Heretofore in the connecting of telephone wires and the like to main cables, and the branching off of subscribers' lines, it is necessary to place junction boxes or terminals, as they are sometimes called, in positions that with the old construction the apparatus was inconvenient of access. This has been due to the fact that the terminal 30 itself and the housing which surrounded it; that is, the binding post panel and the metal housing therearound, have been constructed as one unit. In securing the terminal to the wall it has been necessary to secure the terminal and apparatus 35 therein to the wall in its desired location and then lead the main cable to it. This has resulted in great inconvenience inasmuch as the housing and the enclosed apparatus were constructed as one unit.

40 In the applicant's proposed type of cable terminal he has overcome this objection by providing a cable terminal in which the housing or box is secured in place on the wall on which it is to be located and has provided means whereby the panels with the binding posts thereon may be 45 secured to the cable and then placed in the cable terminal housing. This is a great convenience and saves a considerable amount of time.

50 Furthermore, with applicant's proposed type of cable terminal it is possible to interchange various types of binding post panels thereby providing a cable terminal which may be modified to suit various conditions.

55 The invention contemplates the provision of a cable terminal box or housing which may be ex-

tended to meet various conditions; that is, it is made up in units and as many units as desired may be secured together to meet the necessary requirements.

The invention further contemplates the provision of a cable terminal with removable hinged end sections and a removable front door. This provides accessibility to all sides of the binding post panels and greatly expedites the connecting of the cables and their associated wires.

Other features of the invention will be apparent from the following description, when considered in connection with the accompanying drawing in which is shown one embodiment thereof.

Referring to the drawing:

Fig. 1 is a perspective view of applicant's cable terminal with a binding post panel secured therein;

Fig. 2 is a partially exploded perspective view of the terminal shown in Fig. 1 with the front door entirely removed and the binding post panel removed from its support.

The cable terminal is composed of two sections 10 and 11. These sections are each provided with hinged end portions or doors 12 and 13, which are secured to the end of the sections 10 and 11 by means of angle strips 14 which are secured to the flanges 15 of the sections 10 and 11 by means of bolts 16 and nuts 17 which secure the angle strip with the hinges 18, which are in turn secured to the end sections 12 and 13, to the flanged over portions 19 and 20 of the sections 10 and 11. These hinged end sections are locked in place by means of the catches 21 and 22 which cooperate with the flanged edges 19 and 20 on the interior of the sections 10 and 11. When these catches are in their upright position they engage the flanges 19 and 20 and securely hold the end sections 12 and 13 in tight contact with the ends of the sections 10 and 11 thereby providing a tight joint therebetween.

The sections 10 and 11 are secured together by means of bolts 23 which pass through the flanged portions of the sections 10 and 11 and draw them tightly together. It is sometimes advisable in order to meet various conditions, to provide additional sections of this type. Therefore, it is only necessary to remove the angle strip 14 from either of the sections 10 and 11 and place as many sections which are identical with sections 10 and 11 in place as required, and replace the angle strip 14 with its hinged member on the newly inserted section. These sections are held together in the same manner as sections 10 and 11. Therefore as many sections may be built up as required.

The door section 25 fits inside of the flanged portions 26 and 27 of the section 11. The section 10 is also provided with this type of door, (not shown).

5 Located at the top and bottom portions of the sections 10 and 11 are a series of knockout plugs 28 and 29, the purpose of which is to provide access for the cable stub either from the top or the bottom of the cable terminal.

10 The binding post panel 30 is secured on the interior of the cable terminal by means of mounting strips 31 and 32 which are held in position by means of the supports 33 and 34. The binding post panel 30 with its associated binding post
15 mounted thereon may be readily removed from the cable terminal by means of the removal of the screws 35 and 36 which secure the binding post panel to the horizontal supports 31 and 32. Various types of binding post panels may be secured to
20 these supports thereby providing a very flexible arrangement for binding post mountings.

By referring to Fig. 2, which is an exploded view, it will be noted that the binding post panel 30 has been removed from the supporting strips
25 31 and 32. This is for the purpose of passing the cable stub into the opening 37 in the binding post

panel 30. After this is completed the binding post panel is secured in position as shown in Fig. 1 and the necessary connections to subscribers' lines or various other lines may be completed. This operation is greatly facilitated by means of
5 doors 12, 13 and 25 which may be readily opened to provide easy access to the interior of the cable terminal.

Various modifications and changes may be made in applicant's cable terminal without departing
10 from the spirit of the invention and it is applicant's intention to be only limited by the scope of the appended claim.

What is claimed is:

A cable terminal consisting of a metallic hous- 15
ing comprising similar U-shaped sections, said sections being secured together by intumed flanges on the edges of said sections, doors hinged to the outer flanges of each end section, pairs of trans-
verse bars secured to the rear of each section, 20
binding post panels mounted thereon, and distributing racks at the top and bottom of each section, said racks comprising spaced apart strips secured at one end to the section ends and at their other
25 ends to said bars.

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