March 15, 1966 H. D. HARTMAN 3,240,456

DUAL CHANNEL CONDUCTOR SUPPORTING DEVICES

Filed Feb. 23, 1965

FIG. 1.

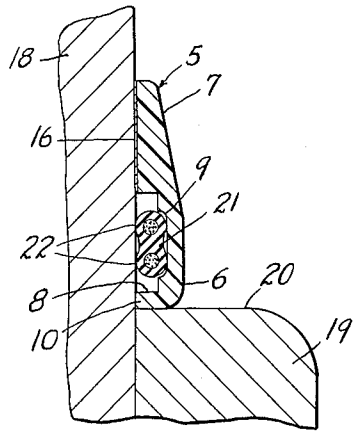


FIG. 2.

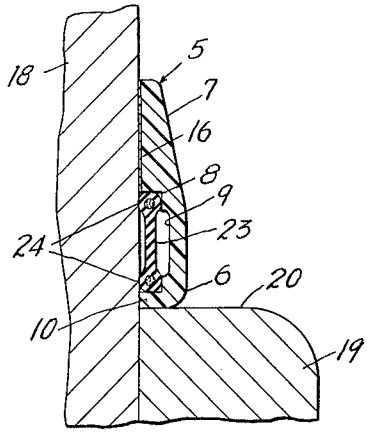


FIG. 3.

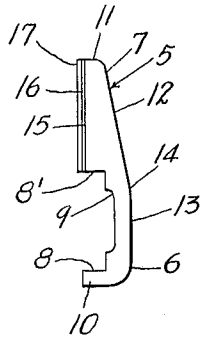
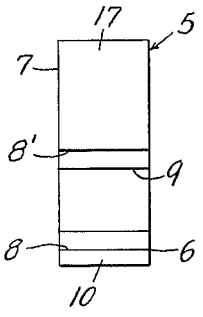


FIG. 4.



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DUAL CHANNEL CONDUCTOR SUPPORTING DEVICES

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5 Claims. (Cl. 248—74)

This invention relates to devices for use in supporting various conductors, such as electric extension cords and television antenna strands, upon a surface to retain the same in a predetermined and definite position upon a wall or other surface. More particularly, the invention deals with devices of this type and kind, preferably formed of molded or extruded plastic material having a channelled conductor supporting end portion and a relatively long adhesive surface portion for adhesion to a wall in retention of conductors against shifting or displacement on the wall or other surface.

The novel features of the invention will be best understood from the following description, when taken together with the accompanying drawing, in which certain embodiments of the invention are disclosed and, in which, the separate parts are designated by suitable reference characters in each of the views and, in which:

FIG. 1 is an enlarged diagrammatic sectional view illustrating one adaptation and use of a device in support of an electric extension cord upon a wall or other supporting surface.

FIG. 2 is a view, similar to FIG. 1, showing the device supporting a ribbon-like antenna strand.

FIG. 3 is a side view of one of the devices detached, showing the normal removable protective facing sheet on the adhesive surface of the device; and

FIG. 4 is a face view of the channel surface of the device, as seen in FIG. 3.

In the drawing, **5** represents one of my improved devices, which is preferably made of plastic material, as indicated by the sectioning in FIGS. 1 and 2. The device can be molded or formed as an extrusion and cut into the desired widths, as indicated in FIG. 4 of the drawing.

The device **5** comprises an elongated plastic body having a dual channel end portion **6** and a mounting end portion **7**. In forming the device, the channel end portion is fashioned to form two channels, namely a longitudinally wide outer channel **8** and a narrower but deeper channel **9**. The lower end of the channel **8** terminates in a wall engaging flange **10**. In this connection, it may be said that the channel **8** is formed inwardly from the back of portion **6** and channel **9** is in communication with channel **8** and extends further inwardly of the device.

The end portion **7** of the device is contracted to its upper end **11** by a bevelled wall **12**, which joins the perpendicular wall **13** of the end **6** substantially at the upper end of the channel **9**, as seen at **14**, these references being generally applied to the showing in FIG. 3. The other inner surface of the mounting end **7** of the device is flat, as seen at **15**, this surface extending the full width of the device and from the end **11** to the upper wall **8'** of the channel **8**. To the surface **15** is attached a suitable adhesive **16**, suitable for adhesion to most wall or support surfaces. The outer surface of the adhesive **16** is preferably in alinement with the outer surface of the flange **10**, as will appear from a consideration of FIGS. 1 and 2 of the drawing. In the packaging and sale of devices of the kind under consideration, a removable facing sheet **17** is employed, which can be readily stripped from the adhesive **16** in application of the device to a supporting

surface, as with other pressure sensitive materials of this type and kind.

In diagrammatically illustrating one adaptation and use of my invention, I have illustrated, in FIGS. 1 and 2 of the drawing, a wall **18** of a room, at the lower portion of which is usually arranged a baseboard or molding **19** and in such uses, it is desirable to mount the devices in question on the wall adjacent the upper surface **20** of the baseboard or molding **19**. In FIG. 1, the device **5** has been illustrated in support of an electric extension cord **21** in position, the cord seating snugly in the channel **9** with pressure engagement of the cord upon the surface of the wall **18**, as at **22** in said figure. This engagement is sufficient to simply hold the extension cord against movement and to maintain the cord in one common alinement between spaced devices which would be arranged along the wall, in the manner illustrated, for the full length of the cord which is to be supported, the devices being arranged at predetermined spaced intervals with respect to each other, as will be apparent to those skilled in the art.

In FIG. 2 of the drawing, I have shown a ribbon-like antenna strand **23** supported in the channel **8** of the device and, here again, this support is such that the rounded ends of the strand **23** will be frictionally supported upon the surface of the wall **18**, as at **24**.

It will, of course, be apparent that, in some instances, the various conductors can be supported in any position on a wall or other supporting surface, depending upon the direction of lay of the conductor which is desired but, in all instances, the conductor will be firmly retained in the desired position by the devices employed.

In merchandising the devices of the type and kind under consideration, they may be packaged on cards or in containers, a dozen or more being applied to each card or container. The devices can be produced economically and, thus, can be sold at a reasonable price to facilitate extensive use thereof.

By the use of devices of the kind under consideration, conductors of various types and kinds can be definitely located and supported in out of the way positions and in protecting or minimizing stresses or strains to which conductors of the type and kind under consideration may otherwise be subjected. It will also be apparent that the single double channel device will serve at least two distinct purposes for proper and efficient support of electric extension cord and antenna strands.

Having fully described my invention, what I claim as new and desire to secure by Letters Patent is:

1. A double channel device of the character defined comprising an elongated plastic body having a mounting end and a conductor supporting end, said last named end having superposed channels of different sizes, namely a longitudinally wide antenna strand receiving channel and a narrower and deeper extension cord receiving channel, said mounting end having an inner flat surface with an adhesive applied thereto, and the adhesive of said surface being normally protected by a removable facing sheet.

2. A device as defined in claim **1**, wherein the conductor supporting end of the device includes a projecting flange forming one boundary wall of the first named channel.

3. A device as defined in claim **2**, wherein the end of said flange is in alinement with the exposed flat surface of the adhesive on the surface of said mounting end of the device.

4. A device as defined in claim 1, wherein the depth of the first named channel is such as to establish frictional engagement with edge portions of an antenna strand with the supporting surface in connection with which the device is mounted, and the depth of the second named channel being such as to establish frictional engagement of an electric extension cord with the supporting surface in connection with which the device is mounted.

5. A device as defined in claim 1, wherein both of the channels of said device extend through sides of the device, and said facing sheet is removable from the adhesive surface on the device in attachment of the device to a supporting surface.

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