United States Patent

[11] 3,626,495

[72] Inventor **John A. Bastian, Jr.**
3920 Haring Road, Metairie, La. 70002

[21] Appl. No. **16,691**
[22] Filed **Mar. 5, 1970**
[45] Patented **Dec. 7, 1971**

[54] **TANGLE FREE WIRE HOLDER**
1 Claim, 4 Drawing Figs.

[52] **U.S. Cl.** **242/85.1**
[51] **Int. Cl.** **B65h 75/06**
[50] **Field of Search** ..... 242/85.1; 191/12 R, 12.4, 12.2 R; 206/64; 24/129 B, 130; 174/135

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Primary Examiner—George F. Mautz
Assistant Examiner—Edward J. McCarthy
Attorney—Pugh & Laiche

ABSTRACT: A device for storing extension wires used with electrical appliances. This device is boardlike in configuration and eliminates tangles in the wire which normally causes damage to the wire. The device consists of a boardlike affair having V-slotted openings at each end to accommodate the wire, one edge of the device having a pair of spaced-apart and keyhole shape configurated openings for the insertion of the wire at the end of the male and female plugs of the wire, the opposite edge having an elongated opening which serves as a handle for the board.

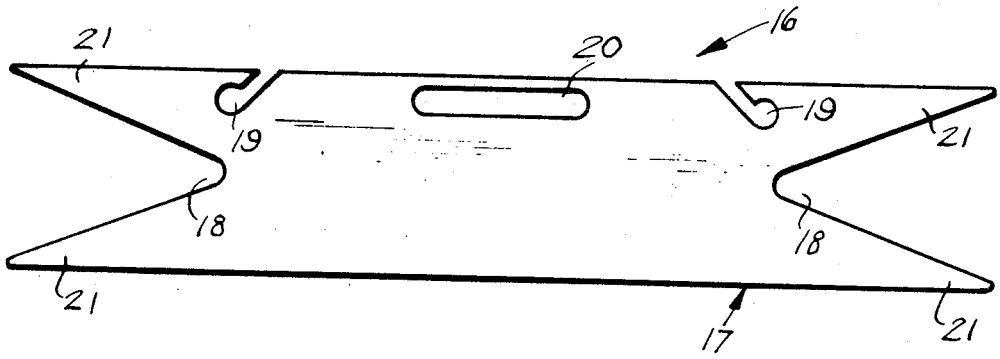
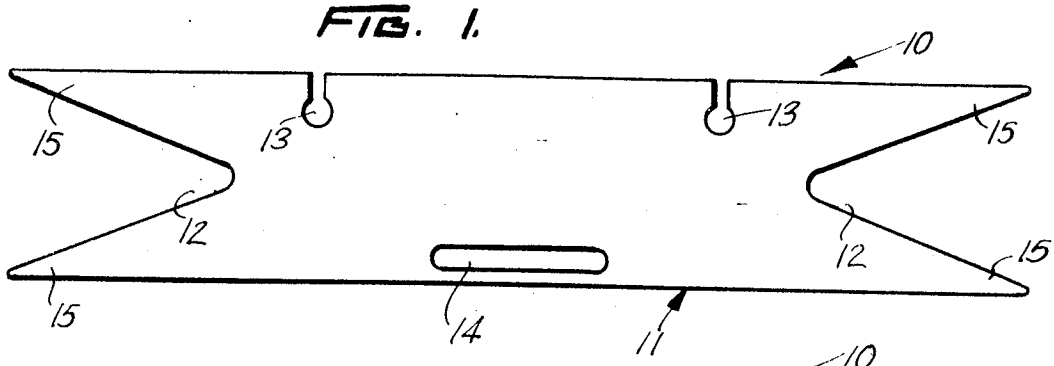


FIG. 1.



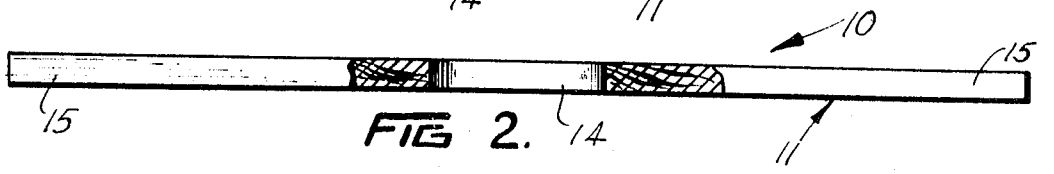
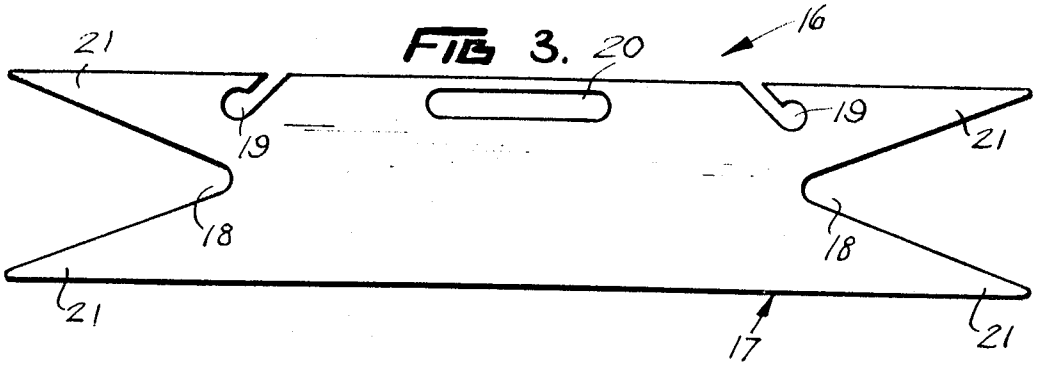


FIG 2.

FIG 3.



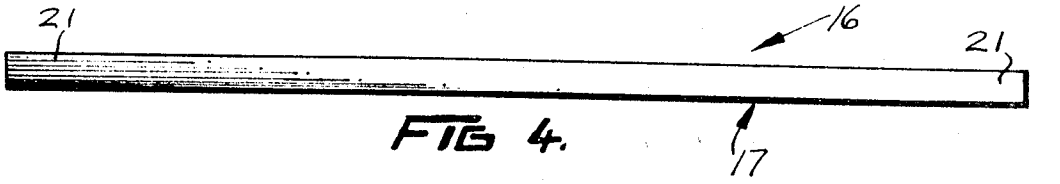


FIG 4.

INVENTOR.
John A. Bostian Jr.

TANGLE FREE WIRE HOLDER

This invention relates to cord winding devices, and more particularly to a tangle free wire holder for extension cords and the like.

It is therefore the main purpose of this invention to provide a tangle free wire holder which will store extension wires that are normally used with electrical appliances thus eliminating tangled wire and taking up for any slack so as to provide a neat appearance for the wire.

Another object of this invention is to provide a wire holder of the type described which will accommodate wire of various lengths, the wire being wound through the V-shaped slots of the board like device, the device having openings for inserting the neck areas of the plugs so as to render them stationary.

A further object of this invention is to provide a device for winding wire upon which will have leg means for standing the device up near a receptacle when all of the wire does not have to be unwound therefrom, thus serving to prevent a tedious job of rewinding all of the wire contained thereon.

Other objects of the present invention are to provide a tangle free wire holder which is simple in design, inexpensive to manufacture, rugged in construction and easy to use and effective in operation.

These and other objects will become readily evident upon study of the following specification together with the accompanying drawing wherein:

FIG. 1 is a plan view of the present invention;

FIG. 2 is a side view of FIG. 1 shown in elevation;

FIG. 3 is similar to FIG. 1, except for the positioning of the openings and the angle of the exterior slots; and

FIG. 4 is a side elevation of FIG. 3.

According to this invention, a tangle free wire holder **10** is shown to include an elongated flat board **11** made of plywood or other suitable material which has a V-shaped slotted end **12** on either end of the board **11**, the slots **12** providing reception means for coils of the extension cord placed thereupon. The board **11** is rotated end over end to accommodate the wire within the V-shaped slots **12** and the male plug portion of the wire (not shown) is placed in either one of the inverted and key hole shaped configurated slots **13**, and the other female plug is placed into the other slot **13** when the cord is wound for storage.

In use, the plug portions are removed from the slots **13** and plugged into the appliance and the outlet, and only as much wire is unwound from board **11** as necessary whereupon the device may be stood up upon its end near the wall or other outlet.

An elongated slot **14** through one edge of board **11** provides handle grip means for carrying holder **10** and the V-shaped slotted means **12** provide and define a pair of legs **15** at each end of board **11** upon which the device will stand when it contains coils of wire while it is being used.

Looking now at FIGS. **3** and **4** of the drawing, one will see a modified form of wire holder **16** which includes an elongated board **17** having slotted ends **18** and a pair of angularly positioned slots **19** for receiving the male and female plug ends of the cord that is wound upon holder **16**. Board **17** is also provided with an elongated slot **20** which provides handle grip means for carrying holder **16** and the slotted ends **18** form legs **21** in a similar manner as heretofore described on the main embodiment of the present invention.

What I now claim is:

1. A cord winding device for storing an electrical extension wire cord in a manner to prevent tangling of the wire cord comprising an elongated, flat, substantially solid member generally defining an elongated rectangle, said member having two identical and directly opposed, isosceles-triangularly and wedge shaped cutouts on its shorter sides, the apex of each triangularly shaped cutout being rounded off in a smooth curve, and having two, spaced channels having parallel sides extending into and from one of its longer sides, said spaced channels forming acute angles with the longer sides from which they extend, identical in degree but opposite in direction, each of said channels ending in a circular hole having a diameter greater in dimension than the width of the channel, the center of said hole being offset from the centerline of said channel, the portions of the wire cord near its plug ends being slid down said channels and placed in said circular holes for cord storage and the body of the cord being wrapped around said member about its longer dimension and within said opposed cutouts for cord storage, said opposed cutouts occupying the full width of said shorter sides thereby forming with the ends of said longer sides legs upon which the device may be stood up, said member further having a slot near and parallel to the same longer side from which the channels extend to serve as a means for grasping and carrying said device, said slot having parallel sides and ending at either end in a smoothly flowing curve.

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