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3,530,996

DISPLAY SUPPORT STRUCTURE

Filed Aug. 19, 1968

FIG. 1.

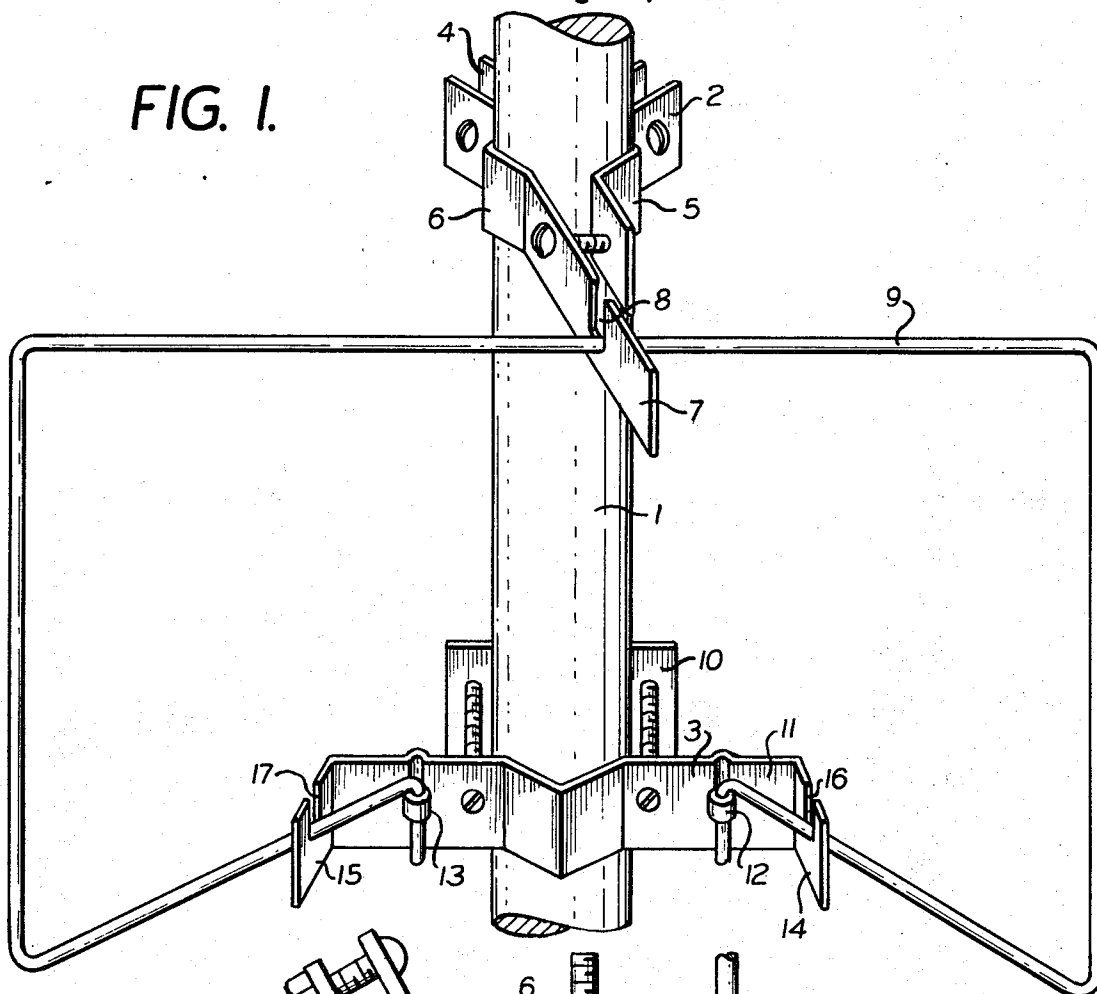


FIG. 2.

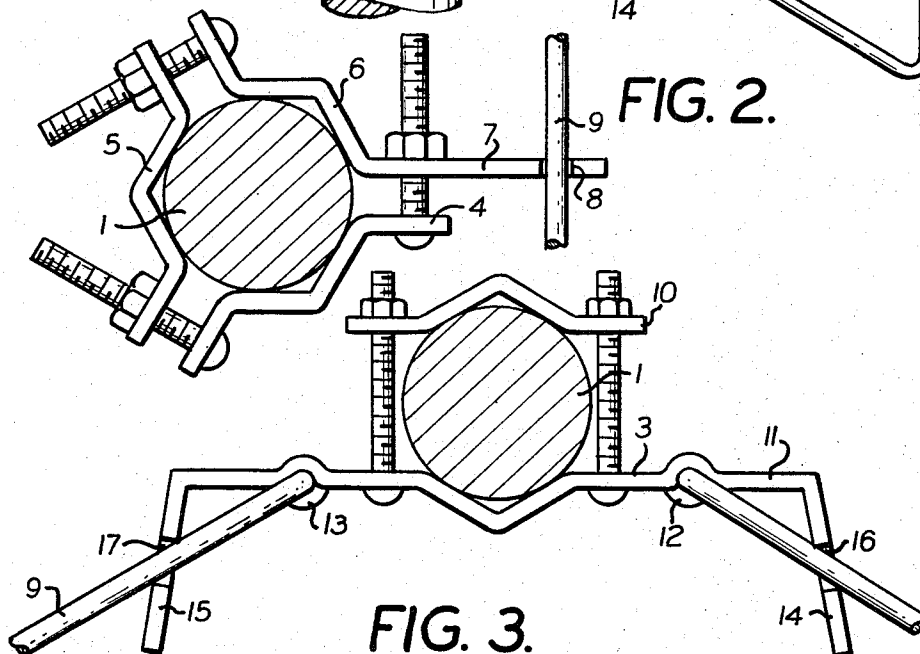


FIG. 3.

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DISPLAY SUPPORT STRUCTURE

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1 Claim

ABSTRACT OF THE DISCLOSURE

A display support structure comprising a wiretype frame, a lower clamp, and an upper clamp. The lower clamp is made up of a base bar having transverse receptacles for holding the wire ends and angularly disposed brackets with transverse slots therein through which the wire passes. The upper clamp has a single transverse slot to support an opposite portion of the wire frame.

This invention is directed to displays. It more particularly refers to frames for such displays and especially to such frames which are adapted to easy mounting on a pole.

Understanding of this invention will be facilitated by reference to the accompanying drawing in which:

FIG. 1 is an isometric view of the entire frame assembly of this invention;

FIG. 2 is a plan, partially sectioned, view of the upper clamp of the frame assembly of this invention; and

FIG. 3 is a plan view, partially sectioned, of the lower clamp of the frame of this invention.

Referring now to this drawing, a pole 1 is shown having an upper clamp 2 and a lower clamp 3 fixed thereto in spaced relation to each other. The upper clamp 2 is a three part assembly having two flanged angularly curved members 4 and 5 each of which has apertures in the flanges adapted to receive bolts therethrough for clamping onto a pole 1. The third member of the upper clamp is shaped similarly to the first two members except that one of its flanges 7 is elongated. The flanges of the third member 6 are also apertured and adapted to receive bolts therethrough. The elongated flange 7 further has a transverse slot 8 partially therethrough. This slot 8 is suitably upwardly open and only partially through the flange since a wire frame 9 rides therein on the base thereof.

The lower clamp 3 is suitably composed of two members, a back member 10 and a front member 11. Both members 10 and 11 have registered apertures therein suitable for receiving bolts therethrough whereby to hold members together and tighten such about a pole 1. The front member 11 is suitably horizontally disposed with an angular portion juxtaposed the pole for a good tight fit. This member 11 has sockets 12 and 13 adapted to receive the ends of the wire frame 9 therein and to hold such ends against lateral movement. The front member

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further has two angularly displaced projections 14 and 15 each of which has a slot 16 and 17 respectively disposed transversely therein, preferably in a vertical direction.

The wire frame 9 rides in these slots whereby between the slots 8, 16, and 17 and the sockets 12 and 13, the wire frame 9 is maintained against substantially all movement yet is easily vertically insertable and removable without detaching the clamps from the pole. The wire frame 9 can thereby have hung thereon various different displays which can be placed on and taken off at leisure relatively easily.

The frame 9 has herein above been referred to as a wire frame. It will be apparent that the materials of construction of this frame are not particularly critical so long as they can support both their own weight and the weight of the display carried thereby. For indoor use the frame may be ordinary cast iron rod tubing or heavy wire. For outdoor use this frame may be plastic rodding, or tubing, stainless steel or the like. The frame may be a single continuous "wire" or it may be made up of several, suitably five, parts which are attached by conventional means at their points of juncture. Similarly the clamps can be made of a material suitable to the weather and other environmental conditions.

What is claimed is:

1. A display support structure comprising a shaped wirelike frame member adapted to support a display and having a pair of free ends; an upper clamp assembly including means adapted to be clamped to an upright vertical pole member and having a flange member projecting substantially horizontally outwardly with respect to said pole with a slot partially transversely therethrough, wherein said slot is adapted to support an upper portion of said frame; and a lower clamp assembly including means adapted to be clamped to said pole and having two substantially vertical socket means adapted to receive the free ends of said frame therein, and two substantially horizontally projecting members laterally outwardly of said socket means with each of said horizontally projecting means having a vertical slot partially therethrough adapted to receive and support portions of said frame.

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RAMON S. BRITTS, Primary Examiner

U.S. Cl. X.R.

248-221, 224, 230

UNITED STATES PATENT OFFICE
CERTIFICATE OF CORRECTION

Patent No. 3,530,996 Dated September 29, 1970

Inventor(s) Howard C. Schaffer

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

In the heading to the printed specification, line 3 to 4, cancel "assignor to I. Fenster & Sons, Inc., Brooklyn, N. Y., a corporation".

Signed and sealed this 1st day of December 1970.

(SEAL)
Attest:

EDWARD M. FLETCHER, JR.
Attesting Officer

WILLIAM E. SCHUYLER, JR.
Commissioner of Patents