April 9, 1963 W. T. COX 3,084,913

FENCE STRUCTURE

Filed Nov. 28, 1960

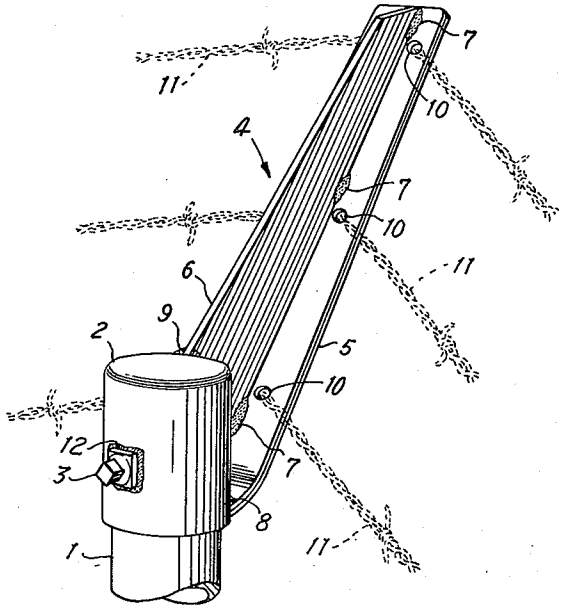


Fig. 1

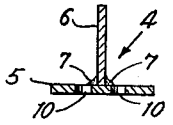


Fig. 5

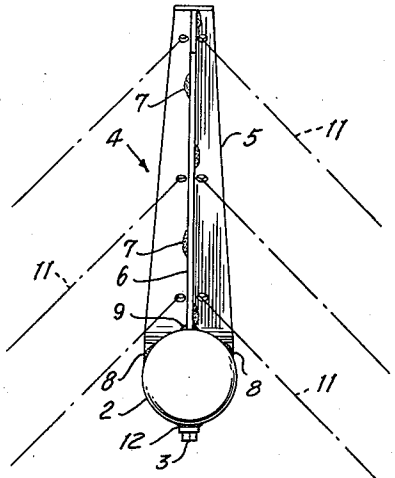


Fig. 2

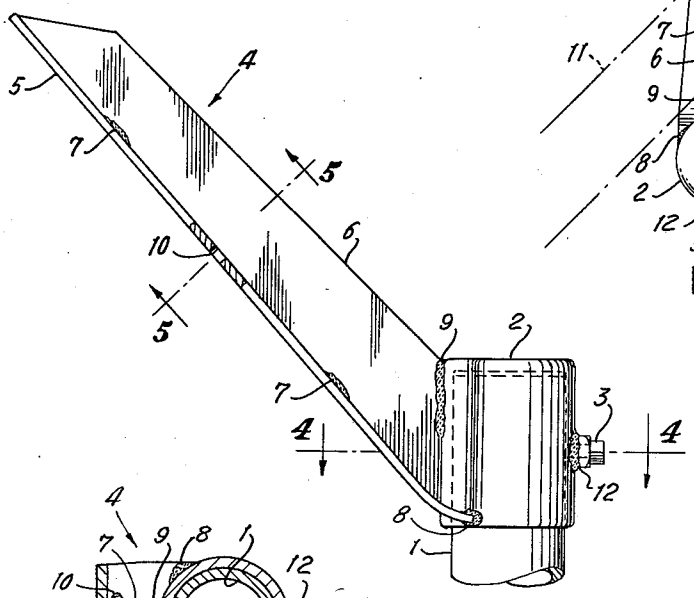


Fig. 3

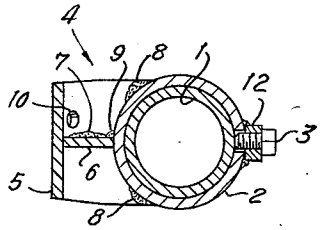


Fig. 4

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FENCE STRUCTURE

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This invention relates to a fence structure, and it concerns more particularly, in combination with a tubular metal fence post, a cap removably connected to the upper end of the post and having a wire supporting arm formed integrally therewith and inclined upwardly and outwardly therefrom.

An object of the invention is to provide, in the structure described, a combined fence post cap and wire supporting arm which is of simple, rugged construction, may be manufactured inexpensively, and is efficient in operation and durable in use.

The invention will be readily understood by referring to the following description and the accompanying drawing, in which:

FIGURE 1 is a perspective view showing a combined fence post cap and wire supporting arm embodying the invention in its operative position;

FIGURE 2 is a top plan view;

FIGURE 3 is a side elevational view;

FIGURE 4 is a sectional plan view taken on the line 4—4 of FIGURE 3; and

FIGURE 5 is a sectional view taken on the line 5—5 of FIGURE 3.

Referring to the drawing, the numeral 1 designates a tubular metal fence post, which is shown fragmentarily. A cup-shaped cap 2 is received on the upper end of the post 1, and is removably connected thereto by a set screw 3. A wire supporting arm 4 is formed integrally with the cap 2, and is inclined upwardly and outwardly therefrom.

The wire supporting arm 4 advantageously may be formed of sheet metal, and is T shaped in transverse section, as shown best in FIGURE 5.

The wire supporting arm 4 consists of an elongated base plate 5 having a reenforcing rib 6 extending along its longitudinal center line and substantially coextensive therewith. The reenforcing rib 6 is disposed vertically, at right angles to the base plate 5, and extends upwardly therefrom.

The reenforcing rib 6 advantageously may be joined to the base plate 5 by spot welding, as at 7, and the base plate 5 and the reenforcing rib 6 may be connected at

one end to the cap 2 by spot welding, as at 8 and 9, respectively.

A plurality of pairs of holes 10 are formed in the base plate 5, on opposite sides of the reenforcing rib 6, for engagement by fence wires 11.

As shown in FIGURES 1 and 2, the post 1 is a corner post, and the wires 11, shown in dotted lines, are each passed successively through the holes 10 of one pair, whereby the wires 11 are passed below the reenforcing rib 6, and the portion of the base plate 5 immediately adjacent thereto, and are caused to change their direction, while at the same time being securely anchored to the wire supporting arm 4.

A boss 12 is formed on the cap 2 for engagement by the set screw 3.

The invention may be modified in various ways without departing from the spirit and scope thereof.

What is claimed is:

1. A fence top wire bracket for fence posts, comprising, in combination with a tubular post, a cap seated on and embracing the top of said post and having a set-screw therein for fixing said cap in rotative adjusted positions on said post, an arm welded at one end to the base of said cap and extending upwardly therefrom at an obtuse angle and having its planar surfaces in horizontal planes, a reenforcing rib lying along and welded to said arm intermediate its opposing edges and having its planar surfaces perpendicular thereto, and having its inner end welded to said cap, the said arm having a series of wire receiving apertures formed along each side of said rib.

2. A top wire bracket for tubular metal fence posts, comprising, an inverted cupular cap adapted for rotative adjustment to the tops of a fence post and having a set-screw therein for securing said cap to said post, an arm having one end welded to the base of said cap and extending outwardly and upwardly at an obtuse angle with respect to the axis of said cap, and having its planar surfaces in horizontal planes, a planar rib lying along and welded to said arm intermediate its edges and having its planar surfaces perpendicular to the planar surfaces of said arm, the said arm having a series of wire receiving apertures formed along each side of said rib.

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