

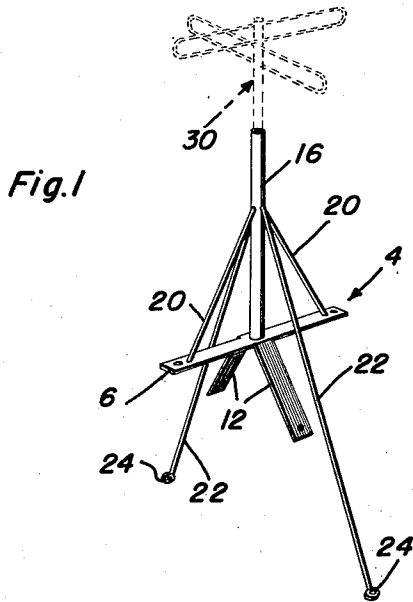
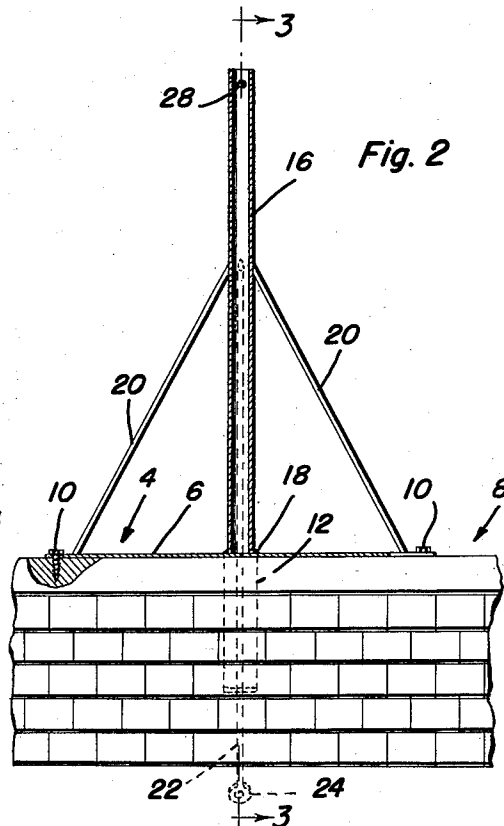
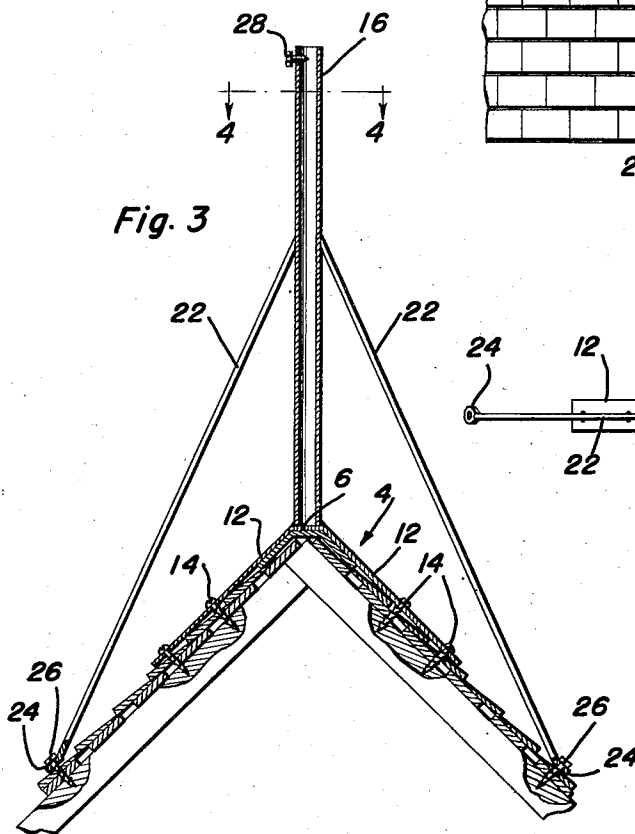
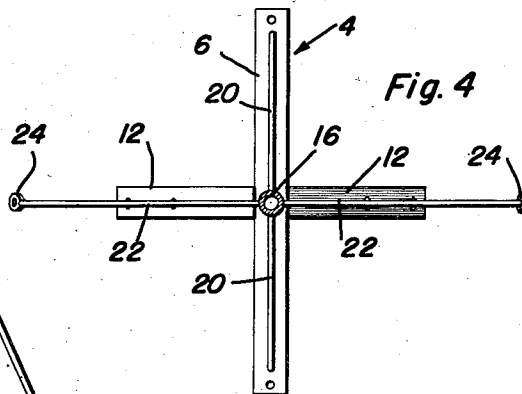
May 20, 1952

F. C. JACKSON

2,597,733

ANTENNA MOUNT

Filed March 7, 1951



Foster C. Jackson

INVENTOR.

BY

Alvanice A. Brown
and Harvey B. Jackson
Attorneys

UNITED STATES PATENT OFFICE

2,597,733

ANTENNA MOUNT

Foster C. Jackson, Middleboro, Mass.

Application March 7, 1951, Serial No. 214,388

1 Claim. (Cl. 248—43)

1

The present invention relates to an especially constructed mount which is particularly, but not necessarily, adapted to accommodate and support a receiving set antenna, particularly one which is adapted for use in association with a home or equivalent television set.

One object of the invention is to structurally, functionally and otherwise improve upon known types of antenna mountings, especially those which are directly applicable to V-shaped roofs.

Another object of the invention is to provide a simple and practical antenna mount in which manufacturers, retailers and users will find their essential needs fully met, contained and effectually available.

More specifically, a preferred embodiment of the invention is characterized by a base member which is adapted to rest atop the ridge portion of a roof construction, the same having depending anchoring limbs for attachment to adjacent portions of the roof, there being a socket on said member for reception of the hole of the antenna and a plurality of braces being provided whereby to stabilize the complete assembly and also and particularly, the socket member.

Other objects and advantages will become more readily apparent from the following description of the accompanying sheet of illustrative drawings.

In the accompanying sheet of drawings wherein like numerals are employed to designate like parts throughout the views:

Figure 1 is a perspective view of an antenna mount constructed in accordance with the principles of the present invention and showing, in dotted lines, the manner in which said mount is used;

Figure 2 is a view which is in section and elevation, which shows a fragmentary portion of a roof and, in addition, shows the mount in operative position on said roof.

Figure 3 is a central vertical section taken on the vertical line 3—3 of Figure 2, looking in the direction of the arrows; and

Figure 4 is a horizontal section on the plane of the line 4—4 of Figure 3, looking in the direction of the arrows.

Referring now to the drawings and particularly to Figure 1, it will be seen that one unit in the over-all assembly is denoted by the numeral 6 and this comprises an elongated flat metal strap or base plate 6 which is adapted to rest atop the ridge portion of the roof construction as shown at 8 in Figure 2 and which is held in position by wood screws or equivalent headed fas-

2

teners 10. Formed integral with opposite longitudinal-edge portions of the base member 6 are duplicate downwardly diverging anchoring arms 12—12. These are preferably bendable and are bent to assume proper angular positions on opposite sides of the roof in the manner shown. They straddle the roof and are fastened down by screws or the like 14, as best shown in Figure 3. The other part of this unit is the vertical socket member and this takes the form of a tube 16 of appropriate dimensions and height and this has its lower end portion soldered, welded or otherwise secured as at 18 to the intermediate portion of the base member 6.

The numerals 20—20 designate relatively short, downwardly diverging braces and these are in the form of rods whose lower ends are attached to the outer end portions of the base member 6 and whose upper ends are attached to the intermediate portion of the socket member. These braces 20 are in direct alignment with the base member 6. Other longer, auxiliary braces 22—22 are provided and these are somewhat in the nature of guy rods and they are at right angles to the braces 20 and depend to suitable positions in respect to the member 6 and the roof to provide for divided and equalized stability. These guy rods terminate in eyes 24—24 which are secured and held down in anchored positions by fasteners 26—26 in the manner shown best in Figure 3.

For convenience, the part or unit 4 is treated separately, inasmuch as it is an entity characterized by an elongated base member 6, intermediate the downwardly diverging applicator and anchoring arms 12—12 and the upstanding centrally disposed socket member 16 directly above and therefore in alignment with said arms 12—12. The latter are principally of bendable metal so that they may be pressed together or spread apart to suit the inclination of the surfaces to which they are attached. As a matter of fact, it is possible to spread the arms 12—12 until they are substantially in a plane with one another for application to a fairly flat roof. This would necessitate, of course, adjusting or spreading the auxiliary guide rods 22—22 accordingly. Primarily, this mount is used on V-shaped roofs in the manner shown.

If desired, and this is for the most part necessary, a set screw 28 is provided and this is mounted in the upper end portion of the socket member and is adapted to engage the post of the television antenna means 30. It is possible to dispense with the set screw and to solder or

3

otherwise to fasten the antenna pole in a fixed position. It is preferred, however, to have it adjustable so that it may be rotated about a vertical axis from time to time.

It is thought that persons skilled in the art to which the invention relates will be able to obtain a clear understanding of the invention after considering the description in connection with the drawings. Therefore, a more lengthy description is regarded as unnecessary.

Minor changes in shape, size and arrangement of details coming within the field of invention claimed may be resorted to in actual practice, if desired.

Having described the invention, what is claimed as new is:

An antenna mount for use on residential homes and elsewhere comprising a one-piece unit including a horizontally elongated base member adapted to rest atop the ridge portion of a roof construction, a socket member attached to and rising vertically from the central portion of said base member, a pair of strap-like arms integrated with intermediate longitudinal edge portions of

4

said base member and located on opposite sides of said socket member, said arms being disposed in downwardly divergent relationship, a pair of relatively short diagonal braces secured at their upper ends to the upper intermediate portion of said socket member and secured at their lower ends to the end portions of said base member and a pair of relatively long guy-rods secured at their upper ends to the intermediate portion of said socket member and having their lower end portions diverging and depending to points well below the lower ends of said arms, said guy-rods being in alignment with said arms and at right angles to the respective diagonal braces.

FOSTER C. JACKSON.

REFERENCES CITED

The following references are of record in the file of this patent:

FOREIGN PATENTS

Number	Country	Date
232,832	Great Britain	Apr. 30, 1925