May 1, 1962 F. V. MANGHISE 3,032,149

CLOTHES DRYER SUPPORT

Filed April 29, 1960

Fig. 1

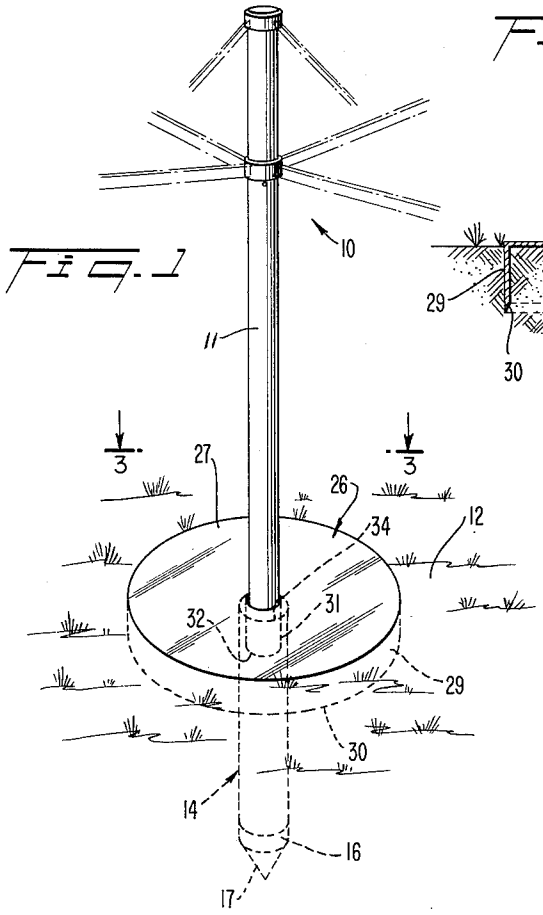


Fig. 2

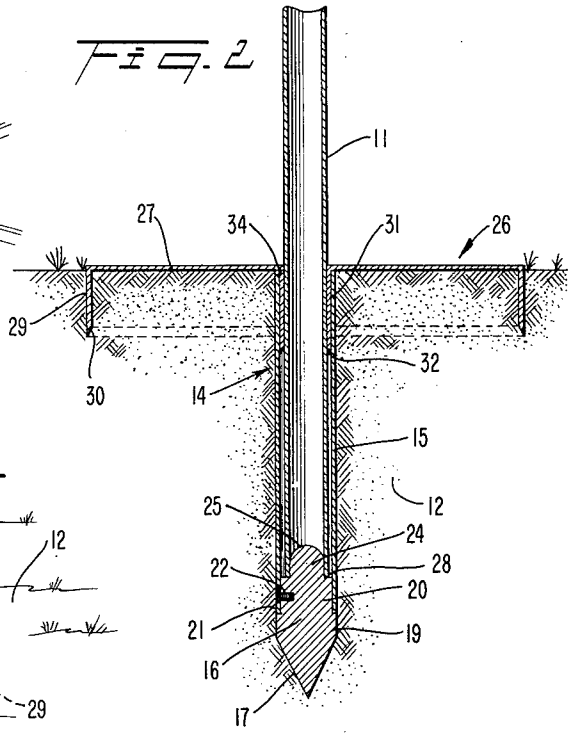


Fig. 3

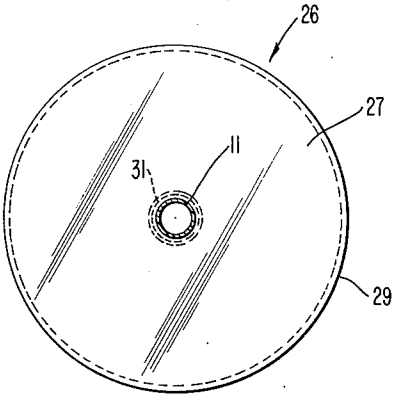
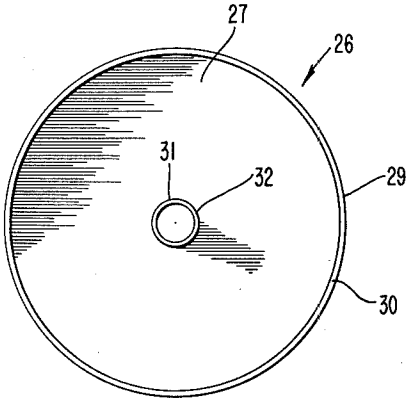


Fig. 4



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CLOTHES DRYER SUPPORT

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This invention relates to a clothes dryer support, and more particularly relates to a base for a clothes dryer having a vertical central post.

The invention has among its objects the provision of a novel base or support for a clothes dryer having a vertical central post.

Another object of the present invention is the provision of a support of the type described which is characterized by the ease with which it is installed, and the ease with which it may be moved, if necessary.

A further object of the invention is the provision of a clothes dryer base or support which remains securely in position in the ground despite its subjection to very substantial canting forces, and which securely positions the central post of the clothes dryer in vertical position therein.

Yet another object of the invention lies in the provision of a base or support for a clothes dryer which is economical to make, rugged in construction, and easy to maintain.

The above and further objects and novel features of the invention will more fully appear from the following description when the same is read in connection with the accompanying drawings. It is to be expressly understood, however, that the drawings are for the purpose of illustration only, and are not intended as a definition of the limits of the invention.

In the drawings, wherein like reference characters refer to like parts throughout the several views,

FIG. 1 is a fragmentary view in perspective of a clothes dryer mounted in a base or support in accordance with the invention;

FIG. 2 is a fragmentary view in vertical axial section through the base of FIG. 1;

FIG. 3 is a view in plan of an upper, bracing and anchoring element employed with the base of the invention; and

FIG. 4 is a view in bottom plan of the bracing and anchoring element.

Turning now to the drawing, a clothes dryer, generally designated **10**, is fragmentarily shown in FIG. 1. Such dryer has a central vertical hollow post **11** to which radial arms supporting a clothes line are pivotally attached to allow collapse of the dryer when desired. The lower end of post **11** is removably received in a support or base **14** which is sunk into ground **12**.

The base **14** has an outer vertical tubular casing **15** to the bottom end of which is secured a driving point **16** having a conical lower end **17** thereon and a short cylindrical portion **19** having a diameter approximating the outer diameter of tube **15**. Above portion **19** the point **16** has a first cylindrical central stem portion **20** which snugly fits within tube **15**. The lower end of tube **15** engages an annular shoulder **21** which forms the juncture between parts **19** and **20**. The point **16** may be held on tube **15** in a number of ways, including welding or by screws, one of which is shown at **22**. Above the first stem **20** the point has a further or second short central cylindrical stem **24** which has a diameter such that it accurately fits within the lower end of post **11**. The upper end of the second stem thus functions as a pilot pin, and securely and accurately holds the lower end of post **11** in its central position. To facilitate entry of stem **24** into the lower end of post **11**, the upper end of the stem is smoothly rounded, as shown at **25**. The

junction between stems **20** and **24** is in the form of an annular shoulder **28** upon which the lower end of post **11** rests.

The base is provided with a broad, disc-like bracing and anchoring element, generally designated **26**. Such element has a horizontal upper plate portion **27** and an annular downwardly extending edge flange **29** of appreciable depth. The lower edge **30** of flange **29** is inwardly bevelled to provide a sod-cutting edge, whereby the flange may be readily forced into the ground. The element **26** has a central hole therethrough and an axially downwardly extending central guide sleeve or tube **31** secured to the horizontal portion **27** of element **26** coaxial of the central hole in portion **27** and edge-aligned therewith. Sleeve **31** may be integral with portion **27** or may be made as a separate part and secured thereto in any suitable manner, as by welding. The sleeve **31** is preferably of a length somewhat exceeding the depth of flange **29**, so that the lower end **32** of the sleeve lies below the lower edge **30** of flange **29**. Sleeve **31** has an inner diameter such that it fairly accurately receives post **11** within it.

The base or support of the invention is installed by first driving the tube **15** with point **16** secured thereto into the ground. To avoid damage to the upper end of tube **15** during such operation, a block of wood may be placed on top of the upper end of tube **15** to receive the blows of the driving hammer. Alternatively, a driving cap (not shown) may be employed, such cap having an enlarged upper end portion overlying the upper end of tube **15** and a central stem portion which is guidingly received within the upper end of the tube. The bracing and anchoring element **26** is now installed. The lower end of sleeve **31** is inserted in the upper end of tube **15**, following which the element **26** is pressed downwardly to the position shown in FIGS. 1 and 2, in which plate portion **29** lies flush with the surface of the ground. The pressing of the element **26** into the ground may ordinarily be effected merely by stepping on the element **26** on opposite sides thereof, and then progressively shifting one's weight around the element so that edge **30** cuts into the sod and the flange **29** sinks.

The described base or support for a clothes dryer is of advantage because it may be readily installed and removed, if necessary, to change its location on a plot of land. Conventional cement encased supports, on the other hand, are difficult and time-consuming to install, and cannot readily be moved. The element **26** provides a broad area of side support and bracing for the base, so that the base will withstand severe side thrusts without tipping. The vertical clothes dryer post **11** is accurately centrally held by stem **24** and sleeve **31**, which are located at appreciable distances from each other. Thus the post is also held in accurate vertical position despite severe thrusts imposed thereon without the imposition of any undue localized strains upon the post or the base or support for the post.

Although only one embodiment of the invention has been illustrated in the accompanying drawings and described in the foregoing specification, it is to be especially understood that various changes, such as in the relative dimensions of the parts, materials used, and the like, as well as the suggested manner of use of the apparatus of the invention, may be made therein without departing from the spirit and scope of the invention as will now be apparent to those skilled in the art.

What is claimed is:

1. A base for a post-supported clothes dryer comprising a tubular post-receiving casing adapted to be imbedded in vertical position in the ground, and a broad bracing member connected to the upper end of the casing and having anchoring engagement with the ground at

points markedly removed from the casing, the bracing and anchoring element having a generally central vertically disposed sleeve secured thereto, the sleeve and bracing and anchoring element having a vertical post-receiving passage therethrough, the sleeve being adapted to be accurately received within the upper end of the casing.

2. A base for a post-supported clothes dryer as claimed in claim 1, wherein the bracing and anchoring element has downwardly extending anchoring portions markedly spaced from its casing engaging zone, said portions being adapted to be driven into the ground, the sleeve being somewhat longer than such anchoring portions.

3. A base for a post-supported clothes dryer, comprising a tubular post-receiving casing adapted to be imbedded in vertical position in the ground, and a broad bracing member connected to the upper end of the casing and having anchoring engagement with the ground at points markedly removed from the casing, the bracing and anchoring element having a generally central vertically disposed sleeve secured thereto, the sleeve and bracing and anchoring element having a vertical post-receiving passage therethrough, the sleeve and the upper end of the casing being adapted to be assembled one over the other in accurately fitting telescopic relationship.

4. A base for a post-suported clothes dryer as claimed in claim 3, wherein the bracing and anchoring element has downwardly extending anchoring portions markedly

spaced from its casing-engaging zone, said portions being adapted to be driven into the ground, the sleeve being somewhat longer than such anchoring portions.

5. In the combination of a clothes dryer having a vertical supporting post and a base for the clothes dryer, the improved base which comprises a tubular post-receiving casing adapted to be imbedded in vertical position in the ground, and a broad bracing member connected to the upper end of the casing and having anchoring engagement with the ground at points markedly removed from the casing, the bracing and anchoring element having a generally central vertically disposed sleeve secured thereto, the sleeve and bracing and anchoring element having a vertical post-receiving passage therethrough, the sleeve being adapted to be accurately received within the upper end of the casing, the passage in the sleeve substantially accurately receiving and positioning a zone of the post of the clothes dryer adjacent the lower end of such post.

References Cited in the file of this patent

UNITED STATES PATENTS

187,337	Wing et al.	Feb. 13, 1877
217,004	Elmer	July 1, 1879
415,384	Hall	Nov. 19, 1889
1,234,893	Fridley	July 31, 1917
1,402,561	Banks	Jan. 3, 1922
1,836,173	Jones	Dec. 15, 1931