A. P. DANNER.

CHRISTMAS TREE STAND.

APPLICATION FILED AUG. 29, 1914.

1,127,866. Patented Feb. 9, 1915.

Fig. 1.

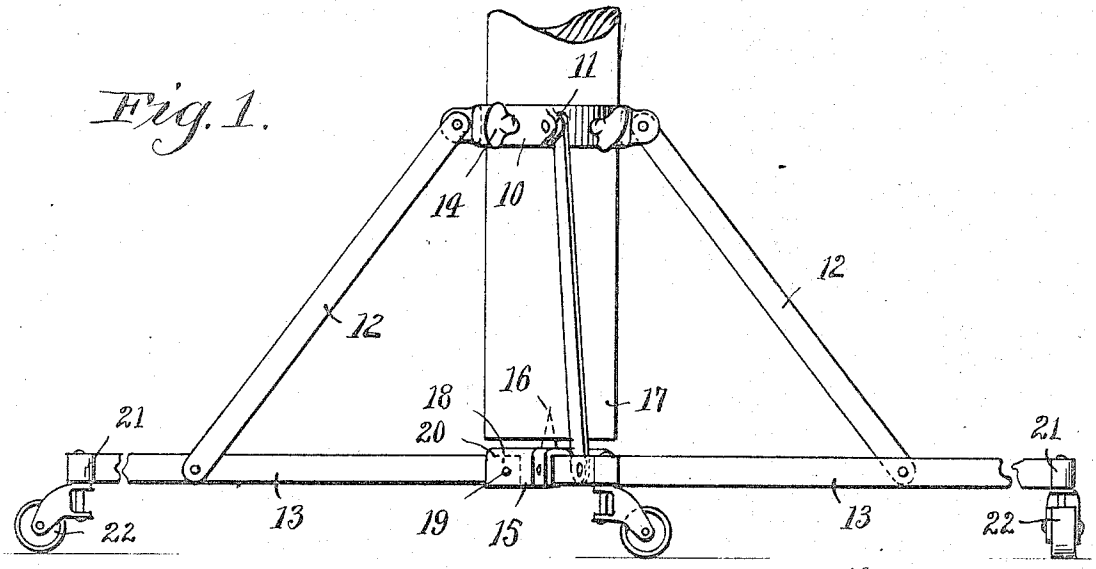


Fig. 2.

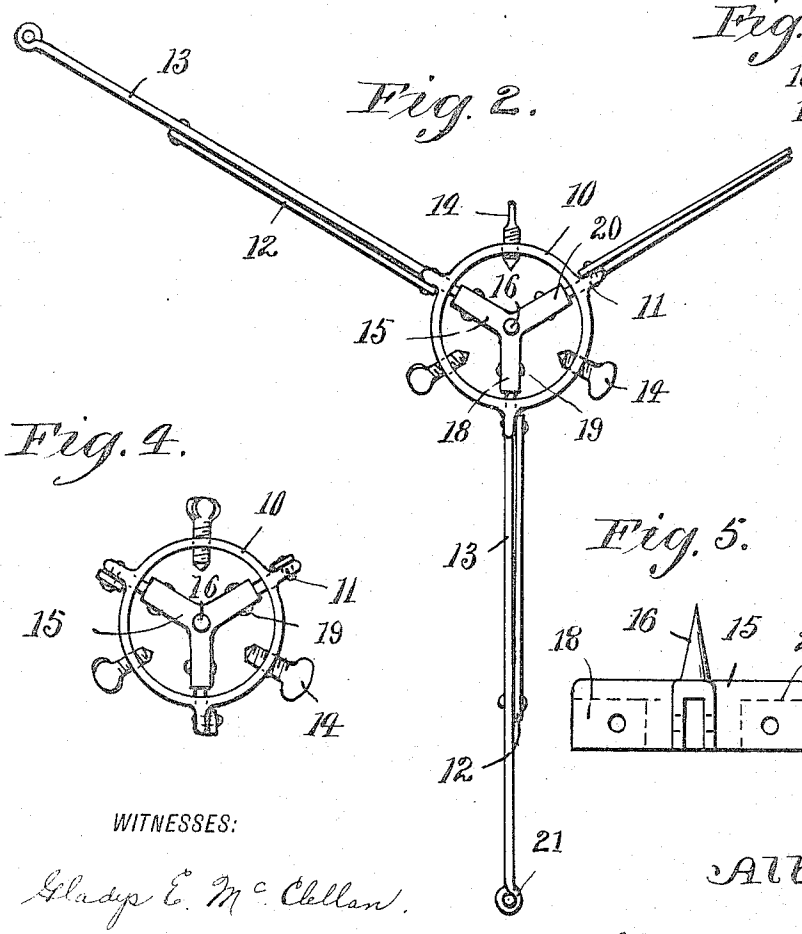


Fig. 3.

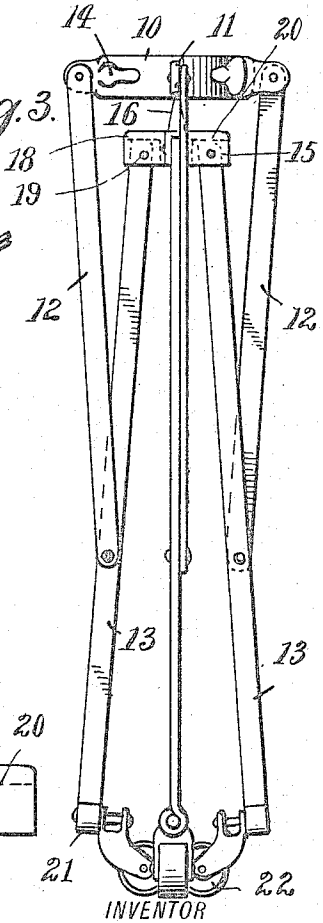


Fig. 4.

Fig. 5.

WITNESSES:

Gladys E. McClellan.

Ivan L. Morehouse

INVENTOR

Albert P. Danner

BY

Chamberlain & Newman

ATTORNEYS

UNITED STATES PATENT OFFICE.

ALBERT P. DANNER, OF BRIDGEPORT, CONNECTICUT.

CHRISTMAS-TREE STAND.

1,127,866. Specification of Letters Patent. Patented Feb. 9, 1915.

Application filed August 29, 1914. Serial No. 859,143.

To all whom it may concern:

Be it known that I, ALBERT P. DANNER, a citizen of the United States, and resident of Bridgeport, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Christmas-Tree Stands, of which the following is a specification.

My invention relates to new and useful improvements in foldable and portable Christmas tree stands.

The purpose of the invention is to provide a stand of the above class that is adapted to supporting Christmas trees, and the like, and which can be readily opened up in a manner to receive and support a tree, and which can thereafter be closed together in a way to occupy a comparatively small space. Further to design the structure so that the same can be inexpensively manufactured from sheet and cast metal, and in a way to permit the said parts to be pivotally connected together by suitable rivets or screws; to design the device so as to accommodate different size trees, and further so that the butt of the trees will be supported above the ground or floor upon which the stand is set.

With the above and other minor objects in view, the invention resides and consists in the novel construction, arrangement and combination of parts shown upon the accompanying drawings forming a part of this specification, and upon which similar characters of reference will be found to designate like or corresponding parts throughout the several figures, and of which,

Figure 1, shows a side elevation of my improved Christmas tree stand set out and in position to receive and support a tree. Fig. 2 shows a top plan view of Fig. 1, but having one leg broken away. Fig. 3 shows a side elevation of the stand shown in Figs. 1 and 2, but in a folded or closed position. Fig. 4 shows a top plan or end view of the stand in a closed position, and Fig. 5, shows an enlarged side elevation of the central casting or base to which the several legs are pivotally connected.

As before stated the device is made largely of sheet metal strips, that are first formed and punched, and then pivotedly connected together and to the co-acting base and ring members. The cast parts include a central base upon which the bottom end of the tree rests and a girdling or ring member through which the trunk of the tree is placed to be supported upon the base member. The sheet metal members comprise a series of legs and braces that are pivotally connected to the base and ring members in a way to firmly brace the tree and hold it in an upright position. In the structure shown I have used three sets of legs and braces for supporting the base and ring, but it will be obvious that four or five sets might be used if preferred.

Referring in detail to the characters of reference marked upon the drawings 10 represents the girdling ring which as before stated is preferably formed of cast metal. A series of, preferably three, lugs 11 are formed upon the outside of this ring and project radially therefrom for the pivotal connection of the upper ends of the several braces 12 which in turn are pivotally connected to the legs 13. A series of set screws 14 are arranged in the girdling ring and are designed to be screwed in or out to engage and clamp the trunk of the tree.

The base member 15 is of special construction and includes an integral and upwardly disposed central pointed pin 16 that in practice is designed to enter the central portion of the bottom end of the tree trunk 17 in a way to hold it against sidewise movement. The base of the support is provided with a series of shouldered sockets 18 in which the before mentioned legs 13 are operatively connected. The inner ends of these legs are seated in the sockets and pivotally connected to the base by means of rivets 19 which pass directly through the said supporting member and the end of the legs in a way to leave the said legs free to be adjusted from a vertical to a horizontal position.

When the stand is opened up as shown in Fig. 1 and the several legs disposed in a radial and horizontal position, the upper edge portions of the inner ends of the said braces, are seated against the top shoulders 20 of the base so that the said base will be firmly supported above the floor or ground, upon which the stand is arranged. The outer ends of the braces are pivotedly connected to the intermediate portions of the legs so that when the device is opened up the said braces will be arranged at an angle of about forty-five degrees with reference to the legs, and thus serve to better support the tree from falling over sidewise. The outer end of the legs may be curled around

as shown to form sockets 21 to receive the studs of roller casters 22 as shown, thus allowing the stand and tree to be readily shifted from one place to another, if desired.

From the foregoing it will be seen that my stand is adapted to be opened up to receive a tree, and when properly opened and supported upon the floor forms a rigid support in which the tree can be set without having to arrange the legs or braces after the tree is put in position. If the trunk of the tree happens to be smaller than the opening through the girdling ring, it is simply necessary to adjust the screws to clamp the tree, and by loosening up on one of the screws and tightening on another, the tree can be made to assume a perfect upright position.

Having thus described my invention what I claim and desire to secure by Letters Patent is:—

1. In a tree holder of the class described, the combination of a base having a series of radially arranged slots in its under side and cut to form shouldered top portions, a series of legs one end of which are pivoted in the said slots so that the top of the said legs will engage the shoulders of the slots, a series of braces one end of each of which are pivotedly connected to the intermediate portions of each of said legs, a girdling ring having a series of lugs formed thereon and to which the other end of the braces are pivotedly connected, and a series of set screws arranged in the said girdling ring to engage a tree when seated therein, the whole arranged so that the said girdling ring is above the braces and in vertical alinement with the base and so that the complete device may be folded together.

2. In a tree holder of the class described, the combination of a base having a pointed pin to engage a tree trunk and having a series of radially arranged slots in its under side and cut to form shouldered top portions, a series of legs one end of which are pivoted in the said slots so that the top edge of the said legs will engage the shoulders of the slots, a girdling ring having a series of lugs formed thereon, a series of braces one end of which are pivotedly connected to the ring and the other to the legs, and a series of set screws arranged in the said girdling ring to engage a tree when seated therein, the whole arranged so that the said girdling ring is above the braces and in vertical alinement with the base and so that the complete device may be folded together.

Signed at Bridgeport in the county of Fairfield and State of Connecticut this 20th day of August A. D., 1914.

ALBERT P. DANNER.

Witnesses:
C. M. NEWMAN,
RUTH M. WORDEN.