Sept. 6, 1932. J. J. DANNER 1,876,276

CHRISTMAS TREE STAND

Filed Oct. 11, 1929

Fig.1.

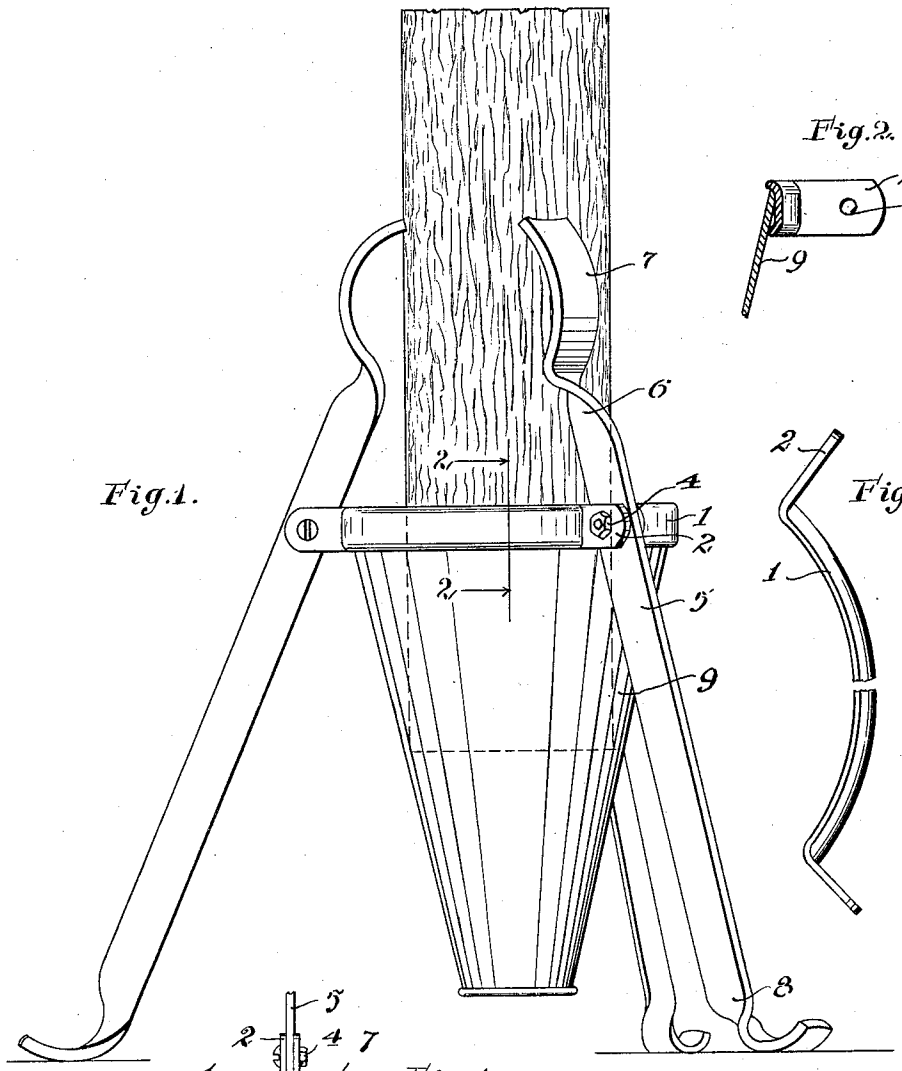
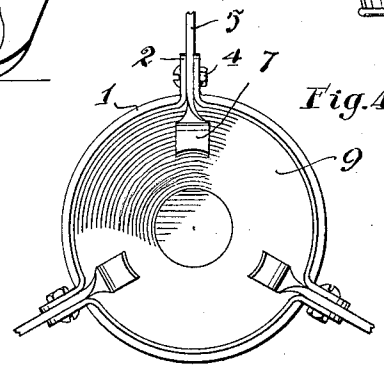


Fig.2.

Fig.3.

Fig.4.



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UNITED STATES PATENT OFFICE

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CHRISTMAS TREE STAND

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The present invention relates to a Christmas tree support stand.

Various devices have been constructed to support Christmas trees so as to permit immersion of the lower end of the trunk of the tree in a container of water, since, such immersion retards the dropping of the needles.

A difficulty encountered in making this type of stand is that the containers are sometimes loosely mounted in the stand, with the possibility of their being displaced and spilling the water contained therein, and also it is usually necessary in this type of a stand to make some sort of supplementary structure for holding the container.

An object of the present invention is to make an improved and simplified Christmas tree stand.

In order to attain this object, there is provided, in accordance with one feature of the invention, a stand having a framework with three legs pivotally connected to said annular framework, said framework being separable and adapted to grip the rim of a container.

These and other features of the invention will be more fully brought out in the following description and the accompanying drawing, wherein:

Figure 1 is a view in side elevation of a stand embodying the present invention.

Figure 2 is a sectional view through the rim of the container and a portion of the annular framework.

Figure 3 is a view in side elevation of one of the annular frame members, a portion thereof being broken away to reduce the size of the drawing; and

Figure 4 is a view in top elevation of the device, the outer portions of the legs being broken away.

Referring to the drawing in detail, three arcuate frame members 1 of curved sectional form are constructed of sheet metal, each of these members being bent to form an arc of approximately one hundred and twenty degrees. The ends of these members are bent outwardly as at 2 to lie approximately on the radius of the arc formed by the main body portion of the device. An opening 3 is provided in each of the outwardly bent end portions to receive a bolt 4 which passes through the end portions of adjacent frame members and also through a leg 5, which is pivotally mounted upon the bolt 4 between each of the adjacent end portions of these arcuate frame members. The legs are preferably formed of strap metal, being twisted at their upper ends as at 6 and curved inwardly as at 7. The lower ends of the legs are twisted as at 8 and curved outwardly to rest upon the floor. A container 9 is preferably made in the form of a truncated cone, the larger upper end being of approximately the same radius as the arcuate frame members 1, so that when inserted in the concave inner portion of the arcuate frame members, as shown in Figure 2, the container will be firmly gripped in the annular frame formed by these frame members when the bolts 4 are tightened. The conical shape of the container 9 will accommodate the trunks of varying sizes of trees, from a trunk having the diameter of the upper end of the container to a trunk having the diameter of the lower end of the container.

If desired, the conical container may be extended down to a point at its lower end so as to insure its practicability for even the smallest trunks. If this is done, the legs must be longer or the angle of the sides of the cone greater.

To use the device, the stand is placed on the floor and the lower ends of the legs 5 are drawn radially inward so as to separate the upper ends of the legs. A tree is then placed in the stand with the butt thereof resting in the container 9, as shown in Figure 1. The weight of the tree in the stand is usually sufficient to spread the lower ends of the legs radially outward, moving the upper ends of the legs inwardly to grip the trunk. If the weight of the tree is not sufficient, the legs may be manually spread to accomplish this object. Water is then poured into the container to cover the lower end of the trunk.

The device is readily demountable by removing the three bolts 4, and may be packed in a small space for shipment or for storage between seasons of use.

I claim:

A Christmas tree support stand, comprising an annular frame composed of a plurality of segmental arcuate shaped sections each having a channel formed in its inner face, and each of said sections having their ends bent radially outwardly therefrom, a leg adapted to be positioned between the bent ends of adjacent sections, means extending through said ends and leg to pivot the latter therebetween, a container having an annular rim formed to be positioned in the channel on the inner face of each segmental section, and means associated with the pivot means for drawing the segments into gripping engagement with said rim of the container.

In testimony whereof I affix my signature.

JOHN J. DANNER.