Sept. 12, 1950 R. M. BALMER 2,522,156

CHRISTMAS TREE STAND

Filed Dec. 15, 1947

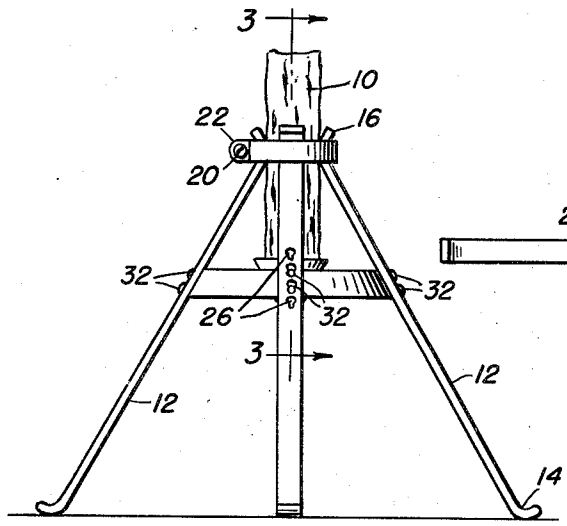


Fig. 1.

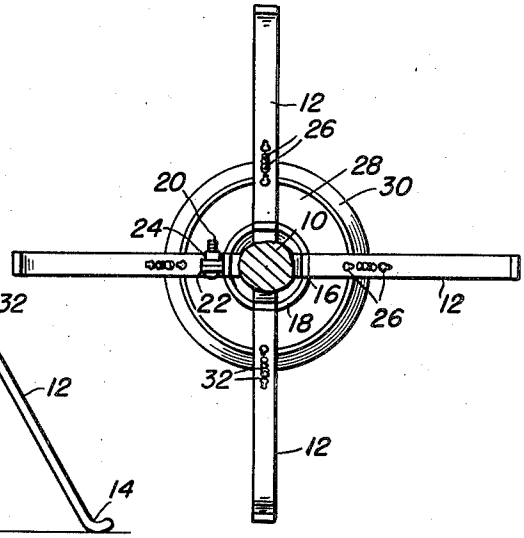


Fig. 2.

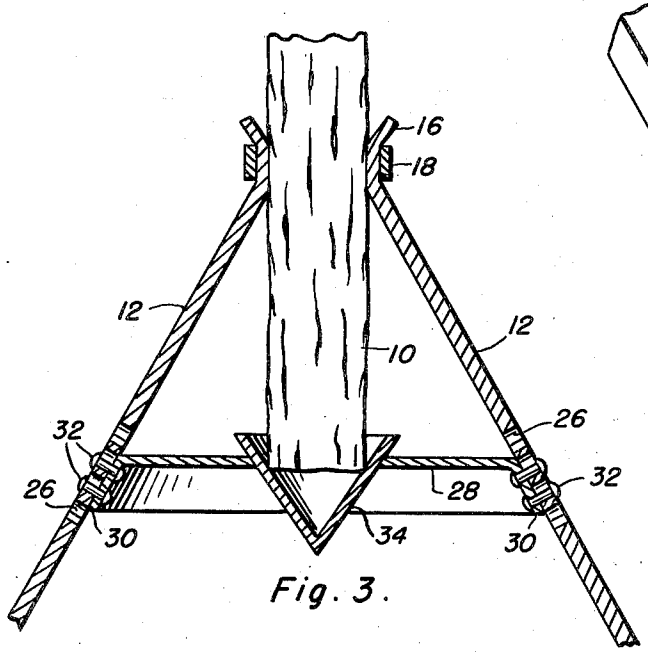


Fig. 3.

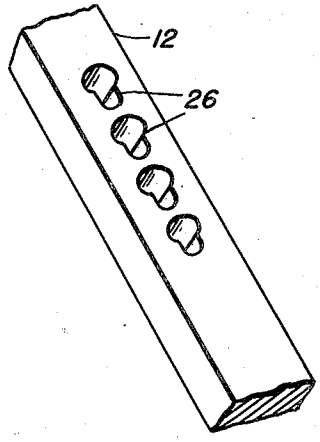


Fig. 4.

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CHRISTMAS TREE STAND

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2 Claims. (Cl. 248—44)

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This invention relates to tree stands, and more particularly to a Christmas tree stand of knock-down character, that is, Christmas tree stands which can be dismantled and stored.

The primary object of this invention is to provide a tree stand which will firmly support a Christmas tree and which may be used to supplyl moisture to the lower end of the tree trunk, thus increasing the useful life of the tree.

Another object of this invention is to provide a Christmas tree stand which is adjustable to different sized tree trunks, and in which the adjustment to any particular size is very simply accomplished.

And a last object to be specifically enumerated is to provide a Christmas tree stand which is relatively inexpensive and practicable to manufacture, which is extremely simple, convenient and safe to use and which will give generally efficient and durable service.

With these objects definitely in view, together with other objects which will appear hereinafter as this description proceeds, this invention resides in certain novel features of construction, combination and arrangement of parts and portions as will be hereinafter described in detail in the specification, particularly pointed out in the appended claims, and illustrated in the accompanying drawings which form a material part of this application, and in which—

Figure 1 is a side elevational view of the Christmas tree stand with the lower portion of a Christmas tree trunk operatively secured therein;

Figure 2 is a top plan view of the stand, with a Christmas tree trunk held therein and shown in horizontal cross section;

Figure 3 is a vertical sectional view taken on the line 3—3 in Figure 1; and,

Figure 4 is a fragmentary detail enlarged perspective view of an intermediate portion of one of the legs.

Similar characters of reference designate similar or identical parts and portions throughout the specification and throughout the different views of the drawing.

Referring now to the drawing in detail, the environment wherewith this invention is adapted to be used includes a tree trunk 10 and a supporting surface whereon the stand will be placed. The stand is comprised of a plurality of legs 12, each leg having turned portions 14 at the lower end thereof and another turned portion 16 at the upper end thereof, the portions 14 being

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adapted to minimize injury to a polished floor surface, and the upper end portions 16 being thus outwardly turned in order to facilitate the retention of the upper ends of the legs in abutment with the tree trunk 10, by means of an adjustable annular strap clamp 18. This clamp is split and the attachment bolt 20 is inserted through apertured outwardly turned lugs 22 on the ends of the clamp, and a nut 24 is associated with the screw 20, all according to conventional practice in the manufacture of clamps for use with flexible hose couplings.

Each of the legs has an intermediate portion provided with a plurality of regularly spaced key-shaped slots 26, the slots being spaced longitudinally of the legs. A plate 28, of a diameter considerably greater than the diameter of the clamp 18, is provided with a downwardly divergent flange portion 30 and headed rivet members 32 are rigidly secured to this flange. It is preferred that these rivet members 32 be provided in pairs as illustrated in the drawing, and it should also be carefully noted that the divergent angle of the flange 30 corresponds substantially with the angular disposition of the legs 12, so that the outside surface of the flange 30 fits reasonably closely on the inside surfaces of the legs.

An inverted cone-shaped cup 34 is secured centrally of the plate 28, the plate being apertured to receive the cup and the cup being rigidly secured to the plate, as by welding.

The operation of this invention will be clearly understood from the foregoing description of the mechanical details thereof, taken in connection with the above recitation of the objects sought to be achieved by this invention. In recapitulation, it may be added that the lower end of the tree trunk 10 is allowed to rest within the cone-shaped cup 34, while a portion of the tree trunk is clamped between the upper ends of the legs which are rigidly held together upon the tree trunk by means of the adjustable clamp 18. Water may be added to the cup 34, in order to lengthen the life of the tree. It will be obvious that the plate 28 may be moved vertically and the headed pins 32 may be inserted selectively in the key-shaped slots 26, in order to adapt the stand for use with different sized trees, and in cooperation with the adjustable clamp 18.

It will be clear that this invention will achieve the objects for which it is intended and further description is deemed unnecessary.

Many minor variations may be made in the details of construction and the proportionment of

the various parts of this invention, all within the spirit and scope thereof. Accordingly, this invention should be limited only in accordance with a proper interpretation of the terms used in the appended claims.

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

1. A Christmas tree stand comprising a plurality of downwardly divergent legs, a substantially annular band adjustable as to diameter to hold the upper ends of said legs on a tree trunk above the lower end thereof, and means adjustably secured to intermediate portions of the legs for centering and supporting said lower end between said legs.

2. A Christmas tree stand comprising a plurality of downwardly divergent legs, a substantially annular band adjustable as to diameter to hold the upper ends of said legs on a tree trunk above the lower end thereof, and means adjustably secured to intermediate portions of the legs for centering and supporting said lower end between said legs, said legs each having spaced apertures therein, and said last mentioned means having headed pins selectively securable in said apertures whereby the divergence of the legs can be varied.

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REFERENCES CITED

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

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