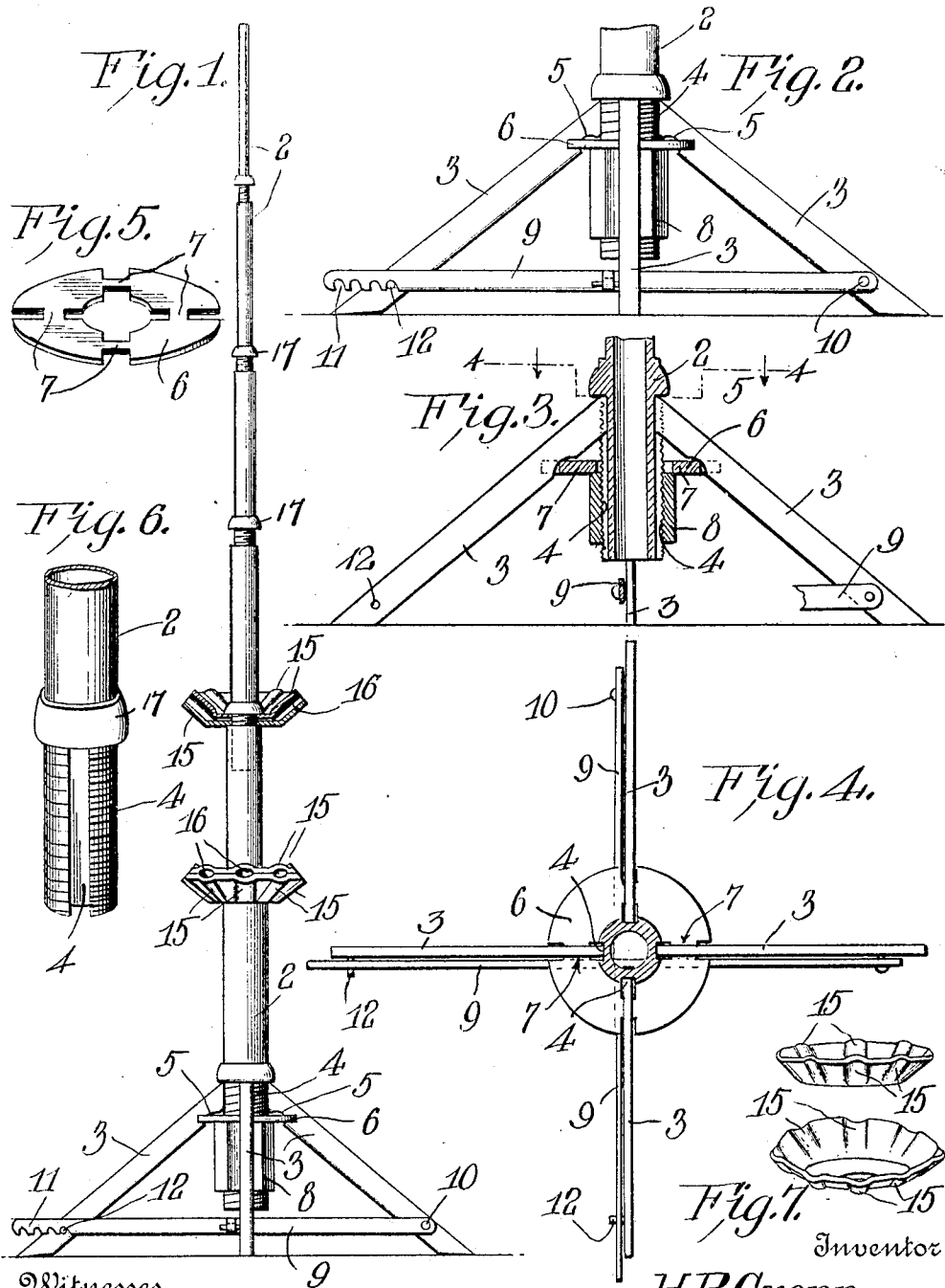


H. R. CROPP.
DISPLAY STAND.

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904,758.

Patented Nov. 24, 1908.



Witnesses

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UNITED STATES PATENT OFFICE.

HENRY R. CROPP, OF OAKLAND, CALIFORNIA.

DISPLAY-STAND.

No. 904,758.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, H. R. CROPP, a citizen of the United States, residing at Oakland, in the county of Alameda and State of California, have invented certain new and useful Improvements in Display-Stands; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to new and useful improvements in display stands and essentially comprises an upright support formed of a plurality of screw joined sections and means for detachably connecting the same with a suitable base.

A further object of the invention is to so construct a device of this kind that it may be readily disassembled into its respective component parts as occasion may necessitate, as in transportation.

A particular feature of the invention resides in the provision of branch or limb supporting means in order that the stand may be converted into an artificial Christmas tree without the necessity of destroying young trees.

With this and other objects in view, the invention consists of certain novel features of construction, combination and arrangement of parts, as will be more fully described and particularly pointed out in the appended claims.

In the accompanying drawings, Figure 1 is a view in side elevation of a device constructed in accordance with the invention; Fig. 2 is a side view, on an enlarged scale, of the supporting base for the support; Fig. 3 is a central vertical section of Fig. 2; Fig. 4 is a horizontal section, taken on the line 4-4 of Fig. 3; Fig. 5 is a detail perspective view of a locking ring employed in connection with the invention; Fig. 6 is a detail perspective view of the lower section of the support; and Fig. 7 is a detail perspective view of the limb or branch supporting elements.

In the embodiment illustrated, the numeral 1 indicates an upright support, which, as shown, is constructed from a series of tubular screw joined sections 2, which may be made from burnt gas pipe, the sections being of gradually decreasing dimensions from the lower to the upper end of the support.

In practice, the upright support, as

shown, is supported in position by a base constructed of four or more obliquely disposed supporting legs 3, the inner ends of which are beveled to fit in corresponding longitudinal grooves 4 formed in the exteriorly threaded portion of the lower section of the support. Said supporting legs are also formed in their inner side edges, adjacent to their inner ends, with recesses 5, the purpose of which will be presently disclosed.

In assembling the parts of the stand, a flat locking ring 6 having a circumferential series of engaging portions 7 produced by recessing the inner and outer peripheries of the ring at directly opposite points, is mounted upon the exteriorly threaded portion of the lower stand section with its engaging portions in engaged relation with the recesses of the base legs 3, and is held in this position by a keeper, in the form of a sleeve 8 which is screwed upon the exteriorly threaded portion of the lower support section against said ring.

The lower ends of the supporting legs are braced upward by cross pieces 9, pivoted at 10, to the lower ends of certain of the supporting legs, and formed in their under edges at their free ends with spaced notches or recesses 11, designed to engage with laterally projecting connecting pins or extensions 12 near the lower ends of the opposite supporting legs.

A particular feature of the invention resides in the provision of supporting means to support a number of limbs or branches in order to convert the stand into an artificial Christmas tree. In accomplishing this a pair of limb supporting plates, of dish like form is arranged at the joint of each adjacent pair of the support sections, the lower of each pair of plates being formed with a circular series of radially projecting equally spaced concaved corrugations and the upper plate of each pair having a corresponding number of convex corrugations 15 adapted to register with the corrugations of the lower plates to form sockets 16 to receive the ends of limbs, branches, or the like. The several pairs of plates are of gradually decreasing dimensions from the lower to the upper end of the support.

Each of the sections of the upright support is formed with an annular outstanding shoulder 17, by means of which each pair of limb supporting plates are held in secure

clamped relation upon the upper end of the adjacent support section when said sections are screwed together.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of the invention, as defined in the appended claims.

Having thus described my invention, what I claim as new is:

1. A display stand comprising an upright support formed of a series of screw joined sections, the lower end of each of the sections having an outstanding shoulder adapted to engage the upper end of the adjacent section, and a supporting base for said support.
2. A device of the character specified, comprising an upright support formed of a series of screw joined sections, the exteriorly threaded portion of the lower section of which is formed with a number of longitudinally extending grooves, a supporting base comprising a series of obliquely disposed legs formed with inner beveled ends to fit in said grooves and with recesses in their inner side edges near their inner ends, and a locking ring mounted upon the exteriorly threaded portion of the grooved support section, said ring being formed with engaging portions to engage with the recesses of the base legs, and means for connecting the lower ends of the supporting base legs.
3. A device of the character specified, comprising an upright support formed of a series of screw joined sections, the exteriorly threaded portion the lower section of which is formed with two or more longitudinally extending grooves, a supporting base comprising a series of obliquely disposed legs formed with inner beveled ends to fit in the grooved portions of the lower support section and with recesses in their inner side edges near their inner ends, a locking ring mounted upon the exteriorly threaded portion of the groove support section said ring being formed with a circular series of engaging portions adapted to be engaged with the recesses of the base legs, a keeper screwed upon the exteriorly threaded portion of the grooved support section against the locking ring, and means for connecting the lower ends of the supporting base legs.
4. A device of the character specified, comprising an upright support formed of a series

of which is formed with a series of longitudinally extending grooves, a supporting base comprising supporting legs formed with inner beveled ends to fit in the grooved portions of the lower support section and with recesses near their inner end and in their inner side edges, a locking ring mounted upon the exteriorly threaded portion of the grooved support section, said ring being formed with engaging portions to engage with the recessed portions of the base legs and a keeper screwed upon the exteriorly threaded portion of the grooved support section against the locking plate, and connecting members pivotally connected to certain of the base legs and detachably connected with other of the legs.

5. A device of the character specified, comprising an upright support formed of a series of screw joined sections, a supporting base for said support, and pairs of limb supporting plates arranged at the joints of adjacent support sections the lower plate of each pair being formed with a circular series of radially extending concave corrugations and the upper plate of each pair with a corresponding series of convex corrugations, the corrugated portions of each pair of plates being adapted for registration to form sockets to receive branches, limbs, or the like.

6. A device of the character specified comprising a supporting base, an upright support formed of a series of screw joined sections detachably mounted thereon, and pairs of limb supporting plates of gradually decreasing size from the lower end of the support arranged at the joint of the sections.

7. A device of the character described comprising a supporting base, an upright support mounted thereon, pairs of limb supporting plates arranged in vertically spaced relation upon the upright support, one of each pair of plates having radially extending concave corrugations and the other of each pair of plates convex corrugations to register therewith.

8. A device of the character described comprising a supporting base, an upright support mounted thereon and pairs of limb supporting plates arranged in vertically spaced relation upon the upright support, each pair of plates having registering corrugated portions, forming sockets.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

HENRY R. CROPP.

Witnesses:

JOHN F. CLARK,
CHARLES K. MARSHALL.