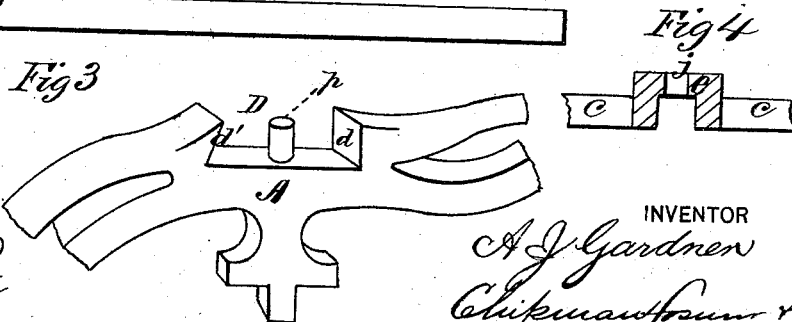
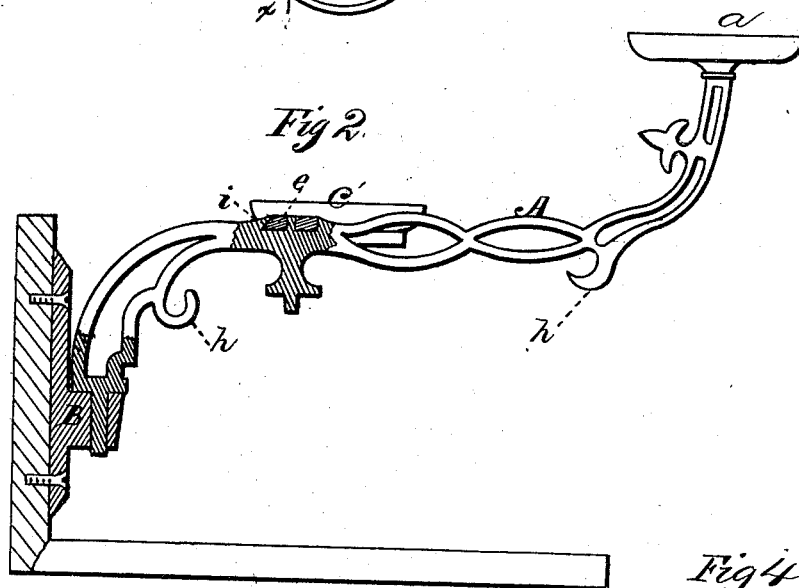
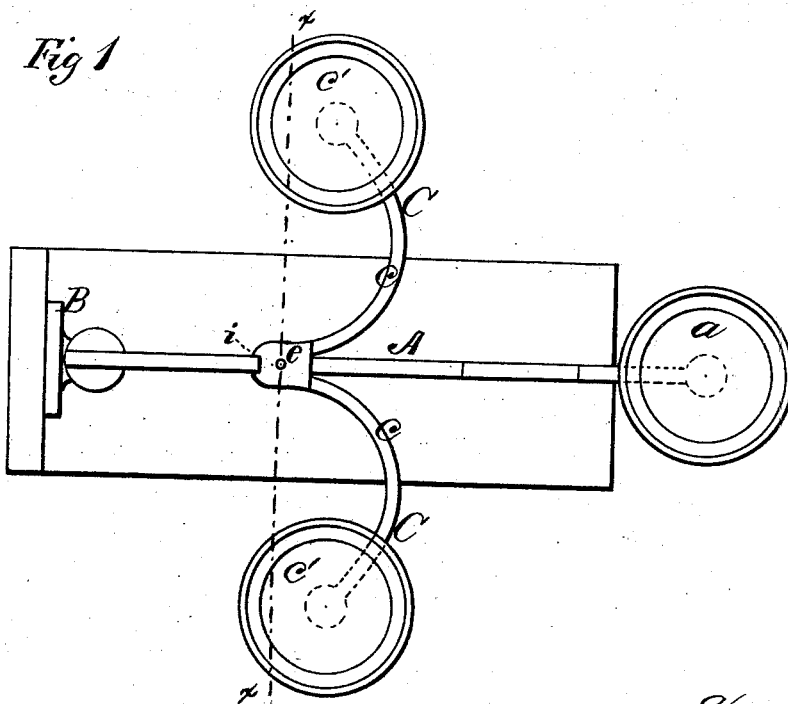


A. J. GARDNER.
Flower-Brackets.

No. 165,227.

Patented July 6, 1875.



WITNESSES
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UNITED STATES PATENT OFFICE.

ANDREW J. GARDNER, OF LEE, MASSACHUSETTS.

IMPROVEMENT IN FLOWER-BRACKETS.

Specification forming part of Letters Patent No. **165,227**, dated July 6, 1875; application filed February 20, 1875.

To all whom it may concern:

Be it known that I, ANDREW J. GARDNER, of Lee, in the county of Berkshire and State of Massachusetts, have invented a new and valuable Improvement in Flower-Brackets; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a plan view of my flower-brackets. Fig. 2 is a side view, part sectional, of the same; and Figs. 3 and 4 are detail views.

This invention relates to improvements in flower stands or brackets, wherein are employed one or more cross-arms, whereby a single main stem is made to support a number of cups or pots; and the nature of the invention and improvement consists in the novel construction of a joint for the cross-arms and stem, whereby the former are removably attached to the latter, and are endowed with equal rigidity to that obtained when the said arms are permanently secured in place, thereby producing a bracket which may, at pleasure, be converted from a single stem, sustaining a single cup or pot, into one sustaining a number of the same, or the reverse, as will be hereinafter more fully explained.

In the annexed drawings, A designates the main stem of a flower-bracket, sustaining upon its end a cup or platform, *a*, adapted to receive and hold a flower pot or vase. The inner end of this stem is pivotally socketed into a metallic plate, B, rigidly secured in any suitable manner to a window-frame, or to the walls of a room or conservatory. By this means the bracket is capable of being vibrated into position for allowing the flowers sustained thereon to receive the light and heat of the sun, or to be removed therefrom into the shade as their needs may require. C designates a metallic cross-arm, consisting of two stems, *c*, each supporting a cup or stand, *c'*, which is removably applied and attached to stem A in the following manner, to wit: A notch, D, of suitable length is cut longitudinally in the upper edge of stem A, the rear end *d* of which is vertical, and its

front end, *d'*, at an acute angle to the length of the said stem. Stems *c*, which are composed of flat metallic strips bent or cast in curves, are then united by means of a metallic strip, *e*, of equal length to notch D, leaving a space between them equal to the width of stem A. Plate or strip *e* is then inserted into notch D, its front beveled end *i* engaging in the angular rear end of the latter, and strips *c* fitting snugly against the lateral edges of the main stem A. Stem *c* is thus prevented from lateral or endwise displacement, and also from vertical vibration upon its joint with the main stem. With a view to guarding still further against displacement of any kind, a pin, *p*, preferably of cylindrical form, but which may, however, be of prismatic or rectangular shape, is erected in notch D, and is adapted to be received in a correspondingly-shaped hole, *j*, in plate *e*, and when thus engaged adds greatly to the strength and rigidity of the joint.

The line *x x*, Fig. 1, is drawn to show that the center of gravity of the transverse brackets and their bar is very materially forward of the attachment-notch D, or point of support, whereby the brackets are held in position without the employment of a screw or equivalent device, and at the same time are readily removable and replaceable.

The under side of stem A is provided with hooks *h*, from which I propose to hang flower-baskets of wire-work.

I am aware that a bracket or movable support for plants, consisting of a swinging-arm pivoted to a suitable base, in combination with two or more auxiliary arms or supports, pivoted to the main swinging-arm, has heretofore been employed, and I, therefore, lay no claim to such invention, which differs from mine in construction, and in having the auxiliary arms pivoted to the main swinging-arm, and not readily detachable therefrom, whereas in my invention the auxiliary arms are rigidly secured to the main swinging-arm, and by the construction may be readily removed when desired.

What I claim as new, and desire to secure by Letters Patent, is—

The combination, with the main pivoted arm A, having the attachment-notch D, with

central pin p and rear dovetail wall d' , of the transverse cross bracket-bar $C c$, constructed entire, with its center of gravity in front of the attachment-notch, and provided with a corresponding perforated dovetail tenon, substantially as specified.

In testimony that I claim the above, I have

hereunto subscribed my name in the presence of two witnesses.

ANDREW J. GARDNER.

Witnesses:

D. R. HILL,

S. V. HALSEY.