

(No Model.)

W. D. SMITH.  
FLOWER TRELLIS.

No. 510,524.

Patented Dec. 12, 1893.

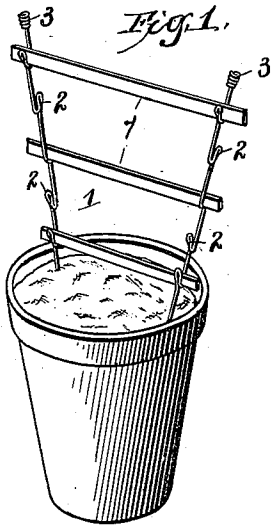


Fig. 2.

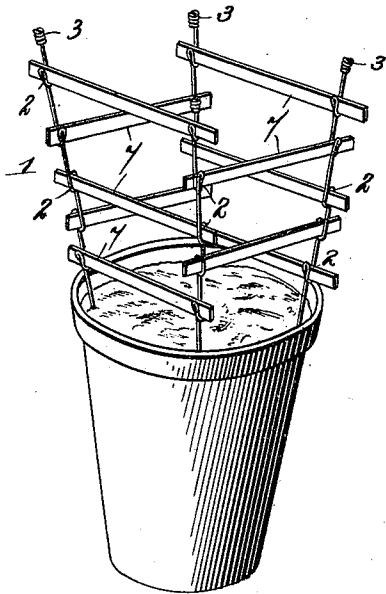


Fig. 3.

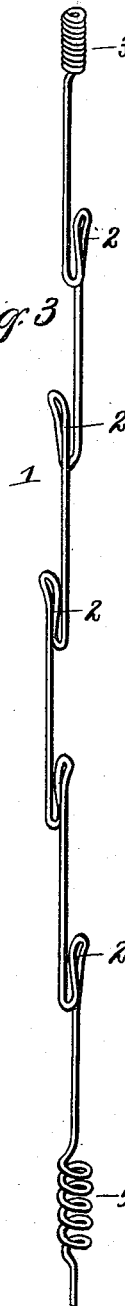


Fig. 4.

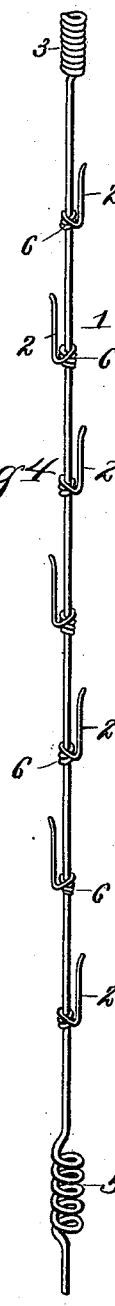
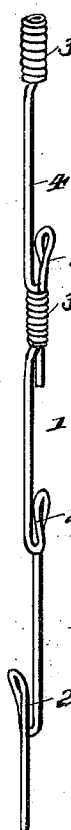


Fig. 5.



Witnesses

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# UNITED STATES PATENT OFFICE.

WALTON DUANE SMITH, OF PROPHETSTOWN, ILLINOIS.

## FLOWER-TRELLIS.

SPECIFICATION forming part of Letters Patent No. 510,524, dated December 12, 1893.

Application filed April 30, 1892. Serial No. 431,280. (No model.)

*To all whom it may concern:*

Be it known that I, WALTON DUANE SMITH, a citizen of the United States, residing at Prophetstown, in the county of Whiteside and State of Illinois, have invented a new and useful Flower-Trellis, of which the following is a specification.

This invention relates to certain new and useful improvements in trellises for plants or vines, and consists of a construction and arrangement of the parts thereof as will be more fully hereinafter described and claimed.

The object of this invention is to simplify the construction of a device of the character set forth, and at the same time preserve strength and durability together with a cheapness in manufacture and sale.

In the drawings—Figure 1 is a perspective view of the improved trellis shown arranged in ladder form in connection with the flower pot. Fig. 2 is a similar view showing the trellis arranged in inclosing form, and parts thereof at angles to each other. Fig. 3 is a perspective view of one of the uprights on an enlarged scale and showing an extension attachment therefor at one side thereof. Fig. 4 is a similar view of a modified form of construction. Fig. 5 is a detail perspective view of a portion of one of the uprights and the extension mounted in position therein.

Similar numerals of reference are employed to indicate corresponding parts in the several views.

Referring to the drawings, the numeral 1 designates one of the uprights, all of which are of similar construction and each having a series of hooks 2, which are formed in the body thereof by first bending the wire upon itself rearwardly and then returning the same, and the said hooks are alternately arranged at right angles to each other. The upper ends 3 are twisted or wound into a coil to form sockets for the removable attachment of extensions 4 which are in all respects of similar construction as the said uprights, and may be used indefinitely to extend the height of the trellis. The lower ends 5 of the uprights are bent into spiral form, and are adapted to be embedded within the ground to provide an increased bearing surface which will avoid easy displacement and sustain a rigid erect position thereof.

As clearly shown in Fig. 3, the hooks 2 are integrally formed with the uprights by bending the material of the said uprights backward and then downward, the upper sides of said hooks being open, and when the slat is applied it is forced downwardly in the hook and is held in place by means of the elasticity or spring of the wire of which the hook is formed and thereby pinch or bite against the slat to prevent accidental disengagement of the latter.

In Fig. 4 the modified form of construction is shown and consists in making the uprights independently of the hooks 2 which are fastened to the said uprights in this instance by coiling their lower ends around the strand of the upright as at 6. In this instance, the hooks are arranged at right angles to each other, and in other respects the upright is the same as the form first described.

By the formation of the hooks as set forth, a convenient means of positioning and inserting the slats 7 is afforded in any form desired, and in addition to the forms shown by the accompanying drawings. The said slats are formed of wood in order to prevent injury to the plants as will be readily understood, and the slats being constructed of such material may be readily cut to any size desired in arranging the trellis in different forms.

The simple form of the device hereinbefore set forth permits it to be stored within a small space and the parts being readily detachable from each other affords means for easily and quickly setting them up in position or dismembering the same.

Having thus described the invention, what is claimed as new is—

1. In a trellis, the combination of uprights having a series of hooks in the body thereof and the upper ends coiled to form sockets, and extensions removably fitted in said sockets, substantially as described.

2. In a trellis, the combination of a series of hooks with upper open sides in connection with uprights, said uprights having lower spirally-bent ends to be embedded in the ground to prevent ready withdrawal of the uprights, and slats removably fitted to said hooks, substantially as described.

3. In a trellis, the combination of uprights having a series of hooks in the bodies thereof

arranged at angles to each other and lower spirally-bent ends to be embedded in the ground, the upper ends of said uprights being closely coiled to form sockets, removable extensions  
5 fitted in said upper sockets of the uprights, and wooden slats removably fitted to said hooks, substantially as described.

4. A trellis having uprights with a series of integrally-formed hooks with upper open ends  
10 arranged at angles to each other in alternation, and supporting slats removably mounted in said hooks and forced thereinto, the said hooks being integrally formed by bending the

material of the uprights backwardly or upwardly and then downwardly to contract the  
15 lower portions of the said hooks to produce a biting or spring action on the said hooks, and thereby avoid accidental displacement of the latter, substantially as described.

In testimony that I claim the foregoing as  
20 my own I have hereto affixed my signature in the presence of two witnesses.

WALTON DUANE SMITH.

Witnesses:

C. J. WARNER,  
JAMES SCARRITT.