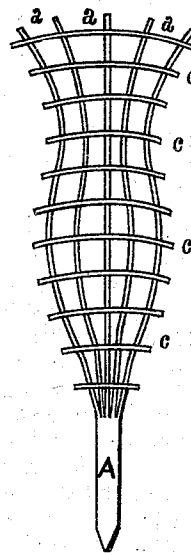
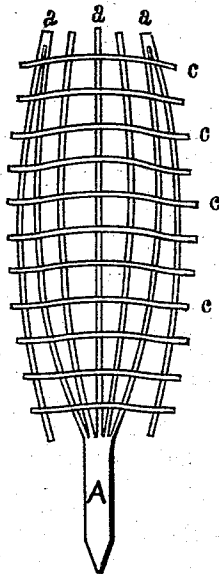


G. C. SETCHELL.

House and Garden Trellises.

No. 154,155.

Patented Aug. 18, 1874.



WITNESSES—

J. B. Rogers—
A. H. Park—

INVENTOR—

George C. Setchell
by Webster Park
his attorney—

UNITED STATES PATENT OFFICE.

GEORGE C. SETCHELL, OF GREENVILLE, CONNECTICUT.

IMPROVEMENT IN HOUSE AND GARDEN TRELLISES.

Specification forming part of Letters Patent No. **154,155**, dated August 18, 1874; application filed July 6, 1874.

To all whom it may concern:

Be it known that I, GEORGE C. SETCHELL, of Greenville, in New London county and State of Connecticut, have invented certain Improvements in House and Garden Trellises, of which the following is a specification:

My invention provides a new and cheap mode of constructing plant trellises, by which they can be made in any desirable form with great facility, and, while possessing all requisite strength, present a very light, neat, and artistic appearance. At the same time there is not the least waste of material, as they are wholly made of rectangular strips or bars of wood, which are the subdivisions of boards or planks held together by the elasticity of the wood, and thus the greatest economy and cheapness is attained.

The accompanying drawing represents the front of two forms of my improved trellis, and a side view of the same, illustrating the nature of my invention.

I consider the following to be the readiest and best way to manufacture these trellises: First, a board or plank of good straight-grained wood should be selected, of the thickness which it is necessary that the base A of any particular size of trellis should be, to possess the requisite strength; then small grooves, having their depth equal to their width, are cut transversely across one whole surface of the board at the proper distance from each other required for the square cross-bars. The board is then divided into strips of the width of the base A, and each pointed for inserting into the ground. Each strip is then divided nearly its whole length, either from the top or from

the bottom, or in part from both the top and bottom, according to the style of trellis which is to be made, thus forming the uprights *a a a*. These uprights are then spread out upon a form, so as to have any kind of artistic curves desired. The square cross-bars *c c c*, which have been made by dividing and subdividing other boards or planks into various assorted lengths and sizes, are then easily and quickly sprung into curves, and pressed into the grooves in the uprights, by which means all the uprights, except the central one, and all the cross-bars are sprung into some kind of curves, forming oblique angles at every joint, thus fastening the whole together sufficiently by the spring of the strips and bars, and the binding at all the joints. The completed trellis may then be taken from the form, and dipped into a shallow pan containing any kind and color of paint, and hung up to dry.

By using gangs of saws, it is evident that in this way trellises can be produced with great rapidity, in artistic and beautiful curves, and with great economy of material.

I claim as my invention—

The trellis herein described, made by subdividing boards into rectangular strips and bars, and fastening these subdivisions together in various curved forms by the spring of the curved parts, substantially in the manner herein set forth.

GEORGE C. SETCHELL.

Witnesses:

WEBSTER PARK,
A. F. PARK.