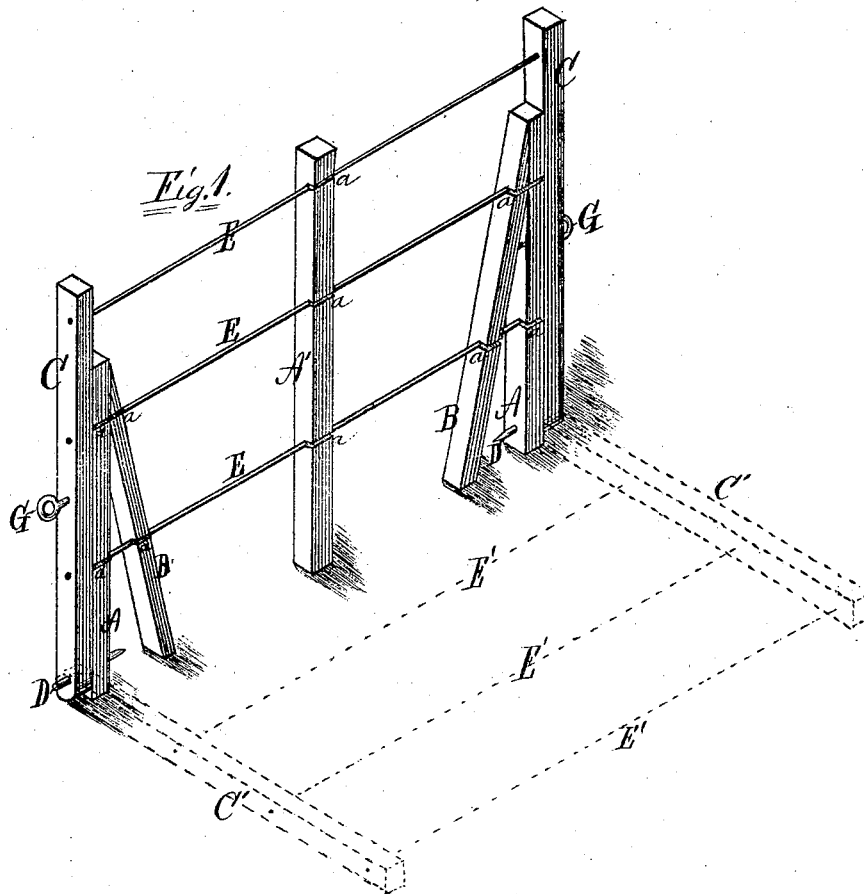


W. M. Heath,

Trellis.

No. 109,207.

Patented Nov. 15, 1870.



Witnesses:

Platt R. Richards.

J. E. Marsh.

Inventor,

Wm. M. Heath.

J. W. B. Richards
Atty.

United States Patent Office.

WILLIAM M. HEATH, OF WATAGA, ILLINOIS.

Letters Patent No. 109,207, dated November 15, 1870.

IMPROVEMENT IN GRAPE-TRELLISES.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, WILLIAM M. HEATH, of Wataga, in the county of Knox and State of Illinois, have invented certain Improvements in Trellis; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing making a portion of this specification, in which—

Figure 1 is a perspective view of my invention.

Similar letters of reference indicate corresponding parts in all of the figures.

The object of this invention is to provide a cheap and simple trellis for grape-vines, which may be easily turned down in the fall for the purpose of covering the vines without detaching the vines from the trellis.

The invention consists in setting main posts, to which others, carrying the wires, are pivoted, so they may be turned down with the wires when desired, the stationary posts containing notches or recesses into which the wires fit, and in which they rest and are supported while the frame is erect.

To enable others skilled in the art to make and use my invention, I will proceed to describe it with reference to the drawing.

A A A' represent posts, set firmly in the ground.

C C represent posts, pivoted at D D to the posts A A'.

E E E represent wires, which are attached in the usual way, at their ends, to the posts C C.

B B represent braces for the posts A A'.

While the posts C C are in an upright position the wires E E E rest in lateral grooves, *a a a a*, in the posts A A A' and braces B B.

G G are pins or bolts, inserted through corresponding holes in the posts A C, for the purpose of holding the posts C C in a vertical position.

The operation of my invention is as follows:

The posts A A being set at any desired distance apart, posts A' may be arranged between them in sufficient numbers to hold the weight and strain on the wires E while up, and in this position the vines may trailed or attached to the wires E E.

In the fall, when it is desired to cover the vines for winter protection, the pins G G may be withdrawn, the wires E E E removed from grooves *a a a a*, and the posts C C turned down to the position shown by the dotted lines E' E' E' and C' C'.

I am aware that trellises for grape-vines have been pivoted to posts in the manner substantially as in my improved trellis, and I lay no claims to the pivots or joints so applied.

What I claim as of my invention is—

The slotted or notched standard-posts A A' and braces B, arranged with the wire-carrying posts C, constructed and operating substantially as and for the purpose specified.

WILLIAM M. HEATH.

Witnesses:

J. B. HARSH,

P. R. RICHARDS.