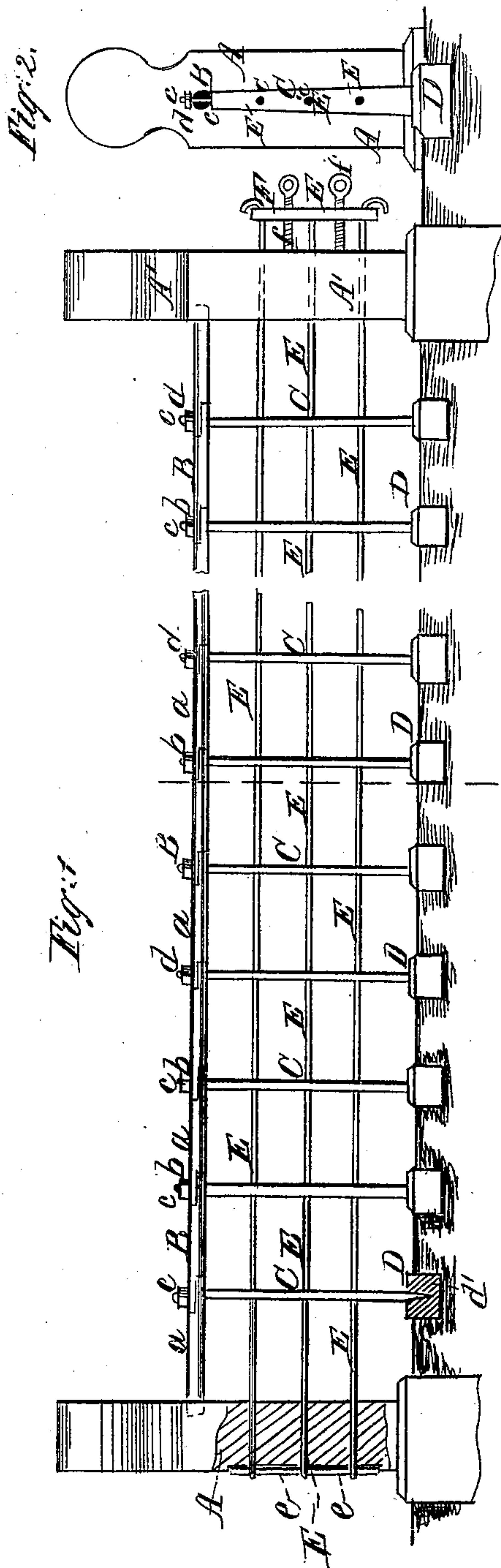


A. H. Mendell,

Wire Stretcher.

No. 93,326.

Patented Aug. 3, 1869.



Witnesses:
J. A. Morgan
G. C. Cotton.

Inventor:
A. H. Mendell
per *Wm. L. Attorney*

United States Patent Office.

A. H. MENDELL, OF ADAMS, NEW YORK, ASSIGNOR TO HIMSELF
AND WILLIAM H. H. TAYLOR, OF SAME PLACE.

Letters Patent No. 93,326, dated August 3, 1869.

IMPROVEMENT IN WIRE FENCES.

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, A. H. MENDELL, of Adams, in the county of Jefferson, and State of New York, have invented a new and improved Wire Fence; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 represents a side elevation, partly in section, of my improved fence.

Figure 2 is a vertical transverse section of the same.

Similar letters of reference indicate corresponding parts.

The nature of my invention consists in providing wire fences with a top rail or bar, in order to more clearly distinguish them at a distance, said rail being constructed in short sections, which are united by lap-joints. Through each of these lap-joints I pass the tenoned head of an intermediate or supplementary post. These posts not only add greatly to the strength of the fence, but the tenoned head, having cut on its surface a screw-thread by means of nuts, they also afford a permanent and secure attachment for each set of joints.

My invention also consists in securing one end of each of the series of wires intended for the span of fencing permanently to one of the stationary posts. The other ends of these wires are passed through openings in the opposite post, and then secured to a metal plate, which is rendered adjustable by means of screws.

By this means I am enabled to tighten and slacken the wires at pleasure, and thus preserve a uniform tension in all weather.

To enable others skilled in the art to make and use my invention, I will now proceed to describe its construction and operation.

A A' are the main or section posts, and are planted in the ground in the usual manner. The distance these posts are to be set apart is to be regulated entirely by the length desired for the span of fencing.

Near their upper sections these posts A A' are united by a rail or bar, B.

This rail or bar B may be made of either wood or metal, and is constructed in sections *a a*, which are connected by lap-joints *b b*, as clearly shown in fig. 1.

This rail should be of such proportions or dimensions as to render it distinctly visible at any distance that an ordinary object can be recognized.

Through suitable openings in these lap-joints passes the tenoned head *c* of the intermediate or supplementary post C.

This head *c* is provided with a screw-thread and nut *d*, or other equivalent device, by means of which, not only the rail B and post C are firmly united together, but also the different sections *a a* of the rail itself.

These posts C C are constructed of metal or any other suitable material. I generally use flat metal bars.

These bars may be pointed, as shown at *d'*, fig. 1, and are firmly driven or embedded in wood or stone blocks or slats D D.

c' c' are a series of slots or openings cut in the post C, and through which pass the wire rails E E.

These rails are constructed of any suitable wire, and the number used can be regulated at pleasure.

These wires are attached in any suitable manner to the post A.

I prefer to fasten them to the bar *e*, which is let into a groove on the outer face of the post A, as shown in fig. 1.

These wires E E are then passed in a horizontal direction through the openings *c' c'*, in the intermediate posts C C, and also in the post A'.

They are then secured to a metal plate, F, which is rendered entirely adjustable by means of screws.

Having thus fully described my invention,

What I claim therein as new, and desire to secure by Letters Patent of the United States, is—

1. Providing a wire fence with a top rail, when the same is constructed in sections, said sections being united by lap-joints supported and connected substantially as described.

2. The posts A A', wires E E, bar *e*, plate F, and screws *f f*, when the same are so combined and arranged as to render the wires capable of adjustment substantially as described.

The above specification of my invention signed by me, this day of May, 1868.

A. H. MENDELL.

Witnesses:

ALEX. F. ROBERTS,
J. M. COVINGTON.