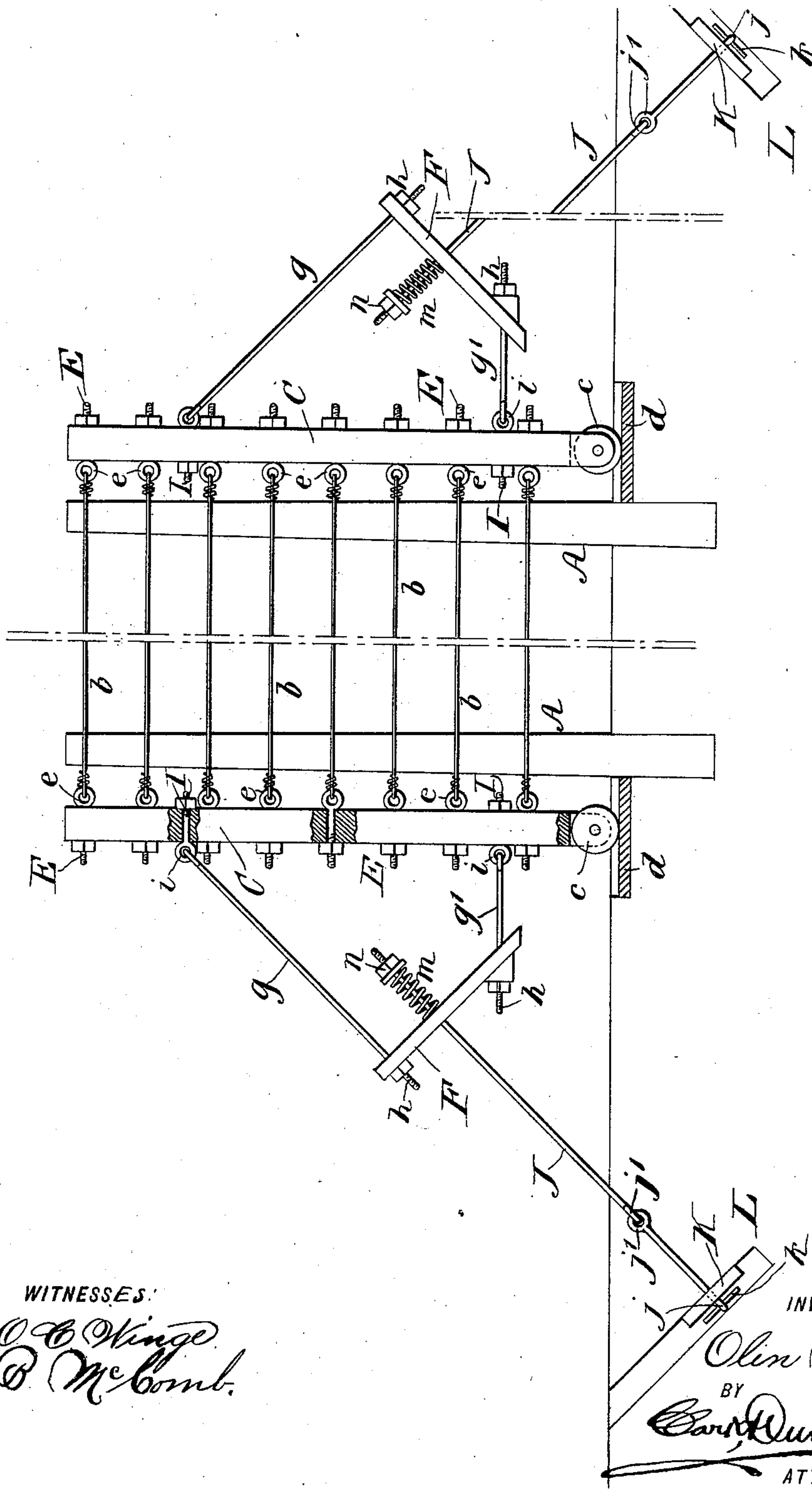


(No Model.)

O. HARLEY.
END POST FOR LINE WIRE FENCES.

No. 600,964

Patented Mar. 22, 1898.



WITNESSES:

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END POST FOR LINE-WIRE FENCES.

SPECIFICATION forming part of Letters Patent No. 600,964, dated March 22, 1898.

Application filed October 22, 1897. Serial No. 656,086. (No model.)

To all whom it may concern:

Be it known that I, OLIN HARLEY, a citizen of the United States, and a resident of South Whitley, county of Whitley, and State of Indiana, have invented certain new and useful Improvements in End Posts for Line-Wire Fences, of which the following is a specification, reference being had to the accompanying drawing, forming a part thereof, in which similar letters of reference indicate corresponding parts.

This invention relates to that class of end posts for line-wire fences which are adjustable to tighten the wire or provide for contraction and expansion.

The object of my invention is to provide a simple and improved end post of this character which will be so mounted upon a sliding support above the ground that it will always maintain a direct position with relation to the fence-wire and will automatically operate to at all times maintain the latter in taut position.

A further object of my improvements is to provide an end post of this character which will possess advantages in point of simplicity, inexpensiveness, positive action, convenience, and general efficiency, and it is adapted to be folded into compact form for transportation.

The drawing represents a section of a line-wire fence in side elevation provided with my improved end-post mechanism.

Referring to the drawing, A designates the first fixed post of the fence, which carries the line-wires *b* in any usual or adapted manner. Adjustable to the fixed fence-post A, I mount my improved end post C. The latter is not inserted in the ground, but is provided at its lower end with a roller or wheel *c*, bearing upon a suitable block or plate *d* at the ground-line. This bearing *d* may be formed by stone or in any other adapted manner. The end post thus rests upon a movable support, so that it can automatically move or travel with the expansion and contraction of the wires.

The ends of the wires *b* are connected to the end post in any suitable or desired manner, this connection being preferably adjustable. It may be formed by having the ends of the wires engaged in an eye *e* upon a removable

threaded and nutted bolt E, inserted through the end post.

In a position at an oblique angle to the end post and with relation to the lower portion of the same I mount an equalizer F, which may be formed of metal or wood, as desired. The upper end of this equalizer is connected by an upwardly-extending inclined stay-rod *g* with the top portion of the end post, while the lower end of the equalizer is connected by a horizontally-arranged and inwardly-projecting stay-rod *g'* with the lower portion of the end post. These stay-rods preferably have an adjustable and detachable connection with the equalizer by means of a threaded and nutted end, as at *h*, and they may be also adjustably and detachably connected with the end post by engaging an eye *i* in a threaded and nutted bolt I, inserted through the end post.

An anchor-rod J passes about centrally through the equalizer and projects downwardly and outwardly at right angles from the equalizer to a suitable anchor K, secured in the ground, as shown at L, the rod J being secured to the anchor K by means of a pin *k*, which passes through an eye *j* in the lower end of the rod J. The anchor-rods J are preferably constructed in two sections having engaging end eyes *j'*, forming a connection, as shown.

The inner end of the anchor-rod J is headed, and between this head and the equalizer is arranged a coiled spring *m* of sufficient strength to at all times maintain the end post in direct line and in proper adjustment with respect to the line-wires of the fence. This headed end is preferably adjustable and may be formed by a head nut and threads, as at *n*, in the usual manner.

It will be understood that my improved end-post mechanism may be provided at both ends of a section of the fence and that it is adapted for effective use in connection with any form of line-wire fences, woven-wire fences, or the like.

The relative construction and arrangement, as above described, are such that the post will travel upon its supporting-roller with any contraction and expansion of the fence-wires, and it is at the same time always maintained in

a relatively direct upright position with relation to the fence-wires, and the coiled-spring connection between the anchor and equalizer will serve to effectually "take up" all vibration of the wires.

The adjustable and detachable connections between the different parts enable the adjustment of the tension of the governing-spring, the adjustment of the equalizer, the adjustment of the connection between the line-wires of the fence and the end post, and these adjustable and detachable connections also enable the packing of the various parts of the entire end-post mechanism into very compact form for transportation.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In an end-post mechanism for wire fences, the combination, with the fence-wires, of an end post connected with said wires and having a sliding or movable support at its bottom, and spring mechanism for maintaining said post in upright position and permitting its movement, said mechanism connected to the post and to a ground-anchor, substantially as and for the purpose set forth.

2. An improved end-post mechanism for wire fences, comprising a post to which the fence-wires are adapted to be connected, and a stay mechanism embodying an equalizer obliquely mounted with respect to the post, rods connecting said equalizer with the post, and anchor devices having a spring connection with the equalizer, substantially as and for the purpose set forth.

3. An improved end-post mechanism for wire fences, comprising a post to which the

fence-wires are adapted to be connected, said post having a sliding or movable support, and a stay mechanism connected with the post and embodying an equalizer and an anchor-rod having a spring connection with said equalizer, substantially as and for the purpose set forth.

4. An improved end-post mechanism for fences, comprising the post to which the fence-wires are adapted to be connected, said post having a wheel or roller forming a bearing at its bottom, an equalizer, connecting-rods for mounting the equalizer with respect to the post, and an anchor-rod carrying a coiled spring adapted to bear with relation to the equalizer, substantially as and for the purpose set forth.

5. In an improved end-post mechanism for wire fences, the combination, with the fence-wires, of an end post connected with said wires and having a wheel or roller bearing at its bottom, an equalizer obliquely mounted with relation to said end post, connecting-rods extending from the respective ends of the equalizer to the upper and lower portions of the end post, a headed anchor-rod passing through said equalizer, and a coiled spring arranged between the headed end of the rod and the equalizer, substantially as and for the purpose set forth.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of two witnesses, this 18th day of October, 1897.

OLIN HARLEY.

Witnesses:

ROBERT J. EMERSON,
HARRY GLASSBY.