

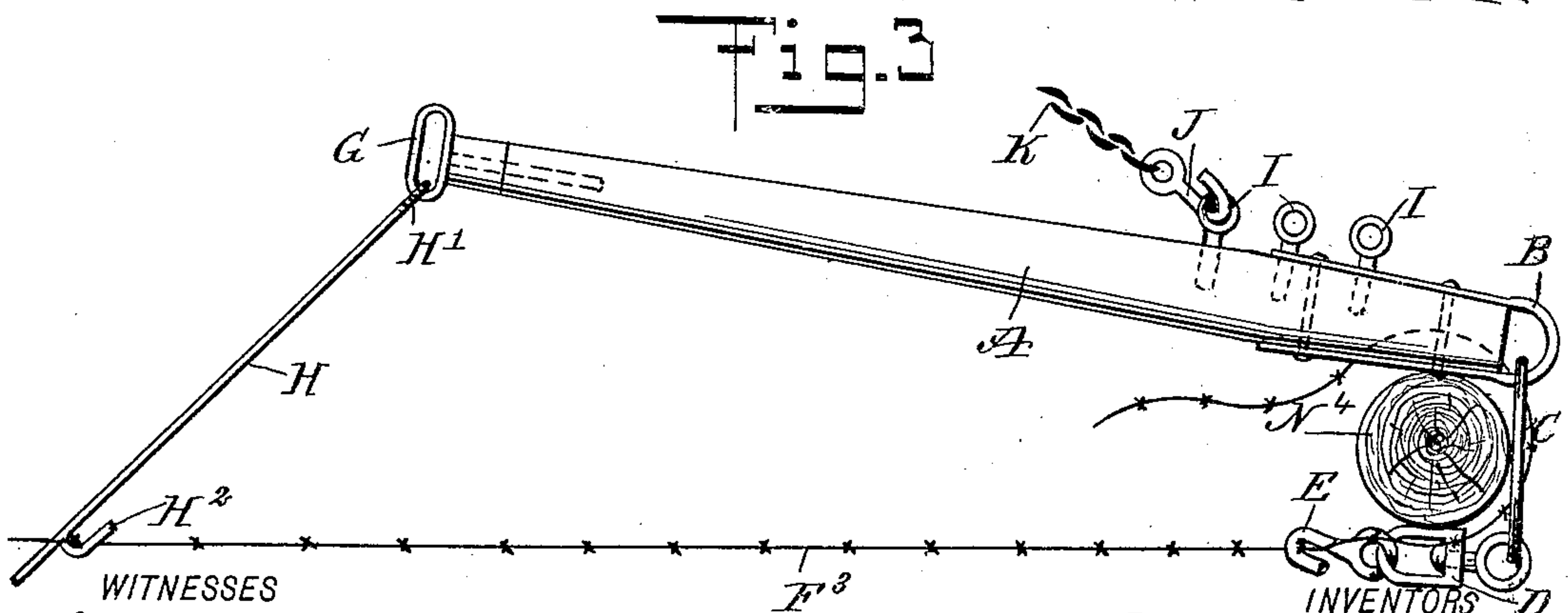
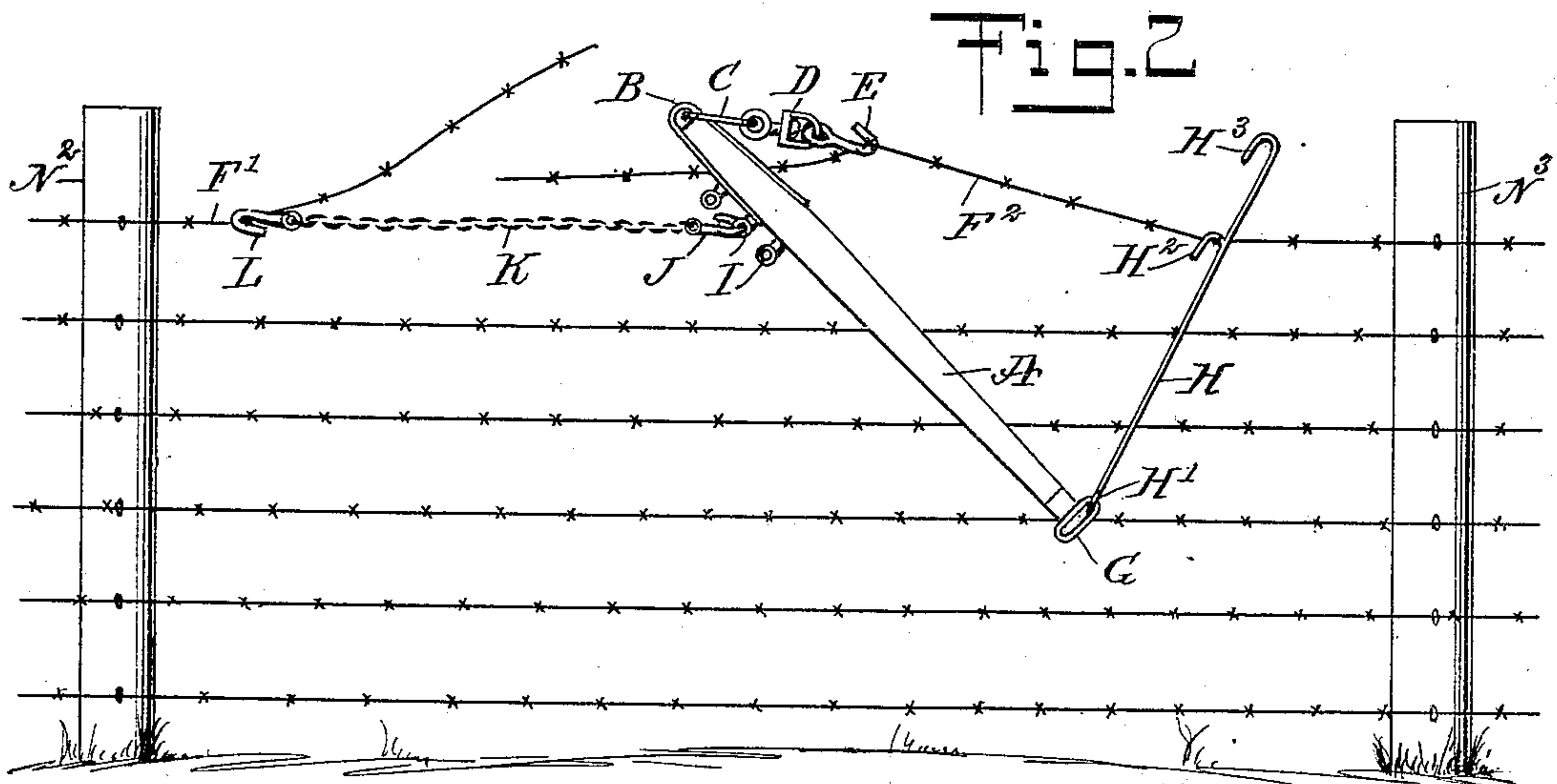
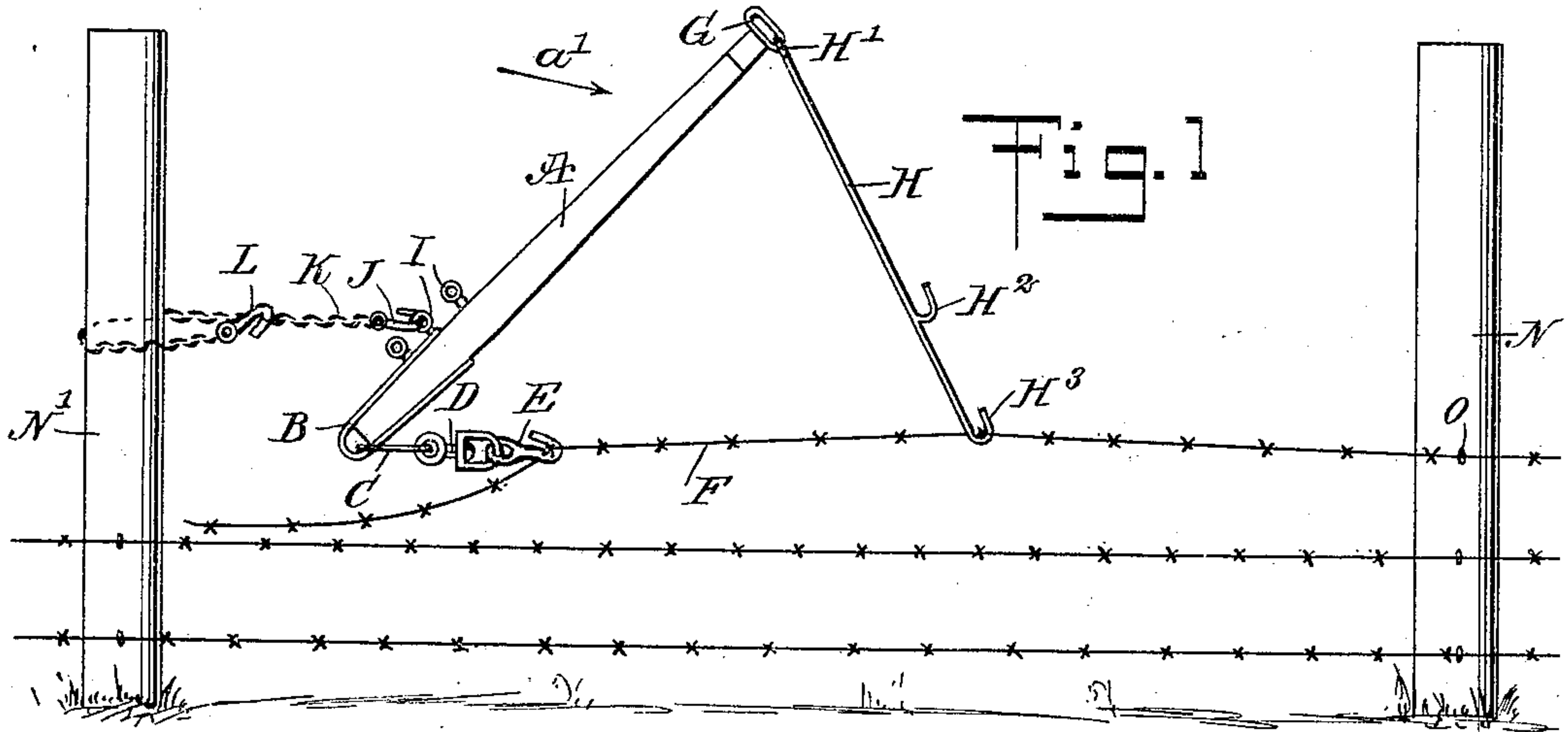
J. B. DAVIS & F. S. ADAMS.

WIRE STRETCHER.

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945,493.

Patented Jan. 4, 1910.



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JOHN B. DAVIS AND FRED S. ADAMS, OF WISNER, NEBRASKA.

WIRE-STRETCHER.

945,493.

Specification of Letters Patent.

Patented Jan. 4, 1910.

Application filed December 23, 1907. Serial No. 407,697.

To all whom it may concern:

Be it known that we, JOHN B. DAVIS and FRED S. ADAMS, citizens of the United States, and residents of Wisner, in the county of Cuming and State of Nebraska, have invented a new and Improved Wire-Stretcher, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved fence wire stretcher, which is simple and durable in construction, easily applied, very effective in operation and arranged to permit properly stretching the wire between posts or around a corner post, and to hold the stretched wire until it is fastened in place, and without danger of causing any slack between the post and the stretcher, and to allow of readily splicing adjacent wires without the stretcher being in the way of the operator making the splice.

The invention consists of novel features and parts and combinations of the same, which will be more fully described herein-after and then pointed out in the claims.

A practical embodiment of the invention is represented in the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a side elevation of the improvement as applied for stretching a wire between posts; Fig. 2 is a like view of the improvement as applied for splicing the ends of adjacent wires, and Fig. 3 is an enlarged sectional plan view of the improvement as applied for stretching a wire around a corner post.

The hand lever A of the wire stretcher is provided at one end with a clip B engaged by a link C provided with a swivel D carrying the grab hook E for engaging the wire F to be stretched, as indicated in Fig. 1. The other end of the hand lever A is provided with an oblong or elongated ring G engaged by the eye H' of a rod H, having a plurality of hooks H², H³ spaced apart and adapted to engage the wire F to be stretched; to hold the stretcher in a locked position for the time being and as herein-after more fully described. On one side of the hand lever A are secured a plurality of spaced eyes I, either of which is adapted to be engaged by an ordinary hook J on one end of a chain K, provided at the other end with a grab hook L.

The device is used as follows: When stretching the wire F from a post N toward the next following post N', as shown in Fig. 1, then the operator places the chain K around the post N' and then hooks the grab hook L on one of the links of the chain K, after which the grab hook E is engaged with the wire F to be stretched, and then the hand lever A is swung over in the direction of the arrow a', so that the hand lever A turns on the hook J as the fulcrum, and the grab hook E pulls the wire F in the direction toward the post N'. When the wire has been stretched to the desired degree, then the operator engages one of the hooks H² or H³ (as shown the hook H³) with the wire F, thus locking the hand lever A in position. The operator can now fasten the wire F to the post N by the use of a staple O, as indicated in Fig. 1. After the wire is fastened as described, the hooks H³ and E are disengaged from the wire F, and then the chain K is disengaged from the post N' and the device is transferred to the next following post, and the above-described operation is repeated, to draw the wire F taut and fasten the same to the post N' in the same manner as above described in reference to the post N.

When it is desired to splice adjacent wires F', F² between adjacent posts N², N³, then the grab hook L is engaged with the wire F' while the grab hook E is connected with the wire F², and then the lever A is swung into position to draw the wires F', F² sufficiently taut between the posts N², N³ for making the splice, the stretcher being locked in position by one of the hooks H² or H³ (as shown the hook H²) engaging the wire F². The operator can now conveniently splice the ends of the wires F', F² in a very convenient manner, as the stretcher does not interfere with the splicing of the wires.

When it is desired to stretch the wire around a corner post N⁴, as illustrated in Fig. 3, then the grab hook E is connected with the wire F³ and the clip end of the hand lever A is applied on the corner post N⁴ at the rear side thereof, to permit the operator to swing the hand lever A forwardly, using the post N⁴ as a fulcrum, thus causing the grab hook E to draw the wire taut at the post N⁴. One of the hooks H², H³ of the locking rod H is then engaged with the wire F³, to hold the stretcher in a locked position, and thus enable the operator

to fasten the stretched wire to the corner post N⁴ by the use of a staple or other fastening means.

By the arrangement described the operator can conveniently manipulate the stretcher with a view to stretch the wires between posts and around posts, and also to allow of making a splice between the ends of adjacent wires. By having the grab hooks E and L, the wire is securely taken hold of without danger of slipping while drawing the wire taut.

When the device is not in use its parts can be conveniently folded up in a comparatively small space, for carrying it about from place to place or for storing.

The device is very simple and durable in construction, composed of comparatively few parts, not liable easily to get out of order.

Having thus described our invention, we claim as new and desire to secure by Letters Patent:

1. A wire stretcher comprising a hand lever provided at one end with a clip and at the other end with an oblong ring rigidly secured to the lever, a locking rod engaging the said ring and having a plurality of hooks for engaging the wire to be stretched, a link engaging the said clip, a swivel con-

nected with the said link, a grab hook on the said swivel, a plurality of spaced eyes on one side of the hand lever and spaced from the eye of the said clip, a chain having an ordinary hook on one end, and a grab hook on the other end, the said ordinary hook being adapted to engage one of the said spaced eyes.

2. A wire stretcher, comprising a hand lever provided with a clip at one end and a ring at the other end, a link loosely engaging the clip, a swivel having one member thereof loosely engaging the link, a grab hook loosely engaging the other member of the swivel, a locking rod loosely engaging the ring of the lever and having a plurality of hooks arranged one above the other, a chain having a grab hook at one end, and means for detachably and adjustably connecting the other end of the chain with the lever adjacent to the end having the clip.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

JOHN B. DAVIS.
FRED S. ADAMS.

Witnesses:

JNO. I. DAVIS,
ALFRED S. JOHNSON.