

(No Model.)

J. W. BUCHANAN.
WIRE FENCE.

No. 453,542.

Patented June 2, 1891.

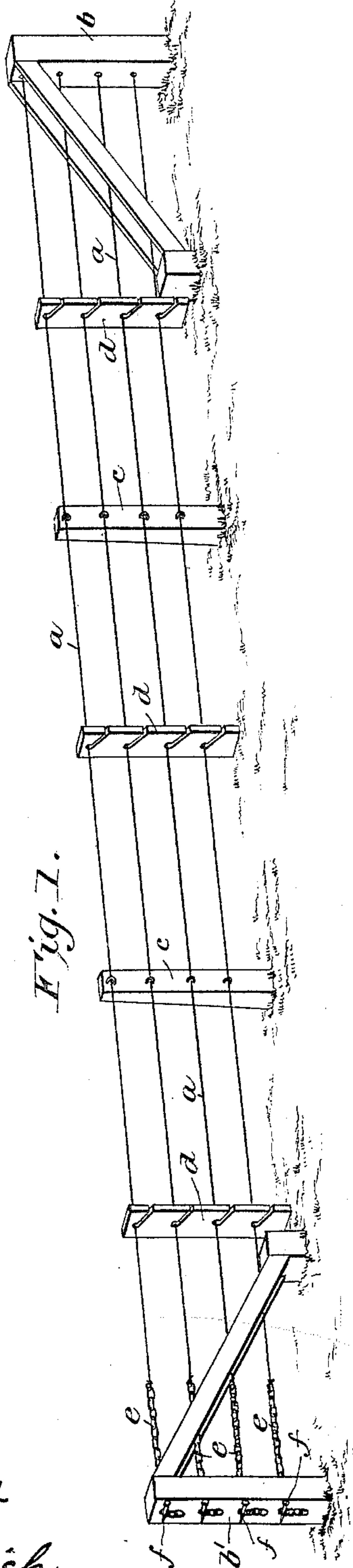


Fig. 1.

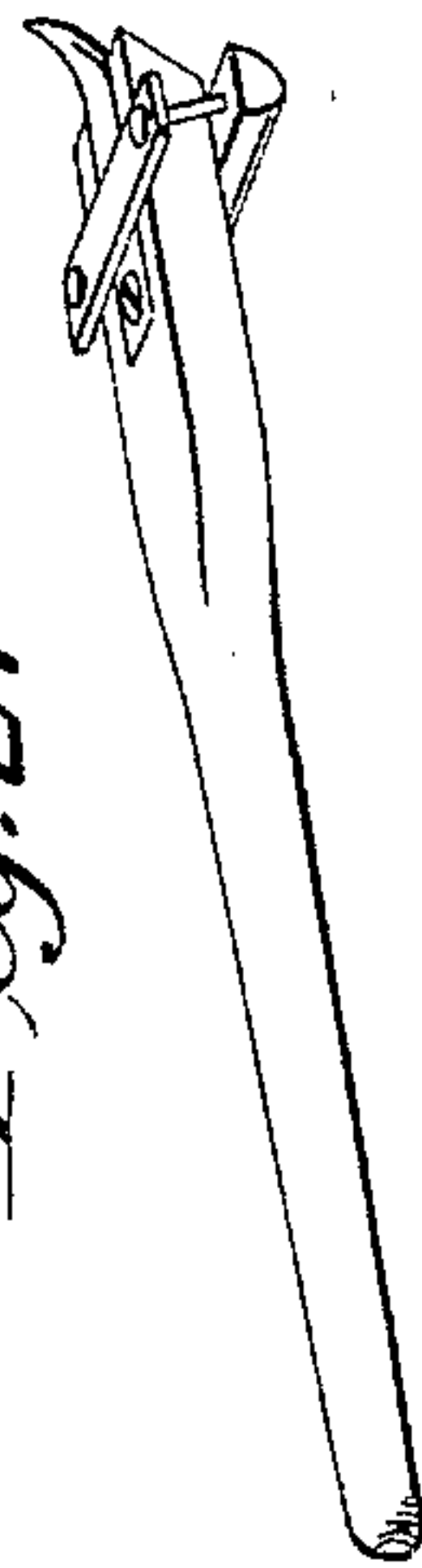


Fig. 2.

WITNESSES:

Amos W. Hart
Fred G. Dieterich

INVENTOR:
John W. Buchanan

BY *Wm. L.*

ATTORNEYS

UNITED STATES PATENT OFFICE.

JOHN W. BUCHANAN, OF SMITHVILLE, OHIO.

WIRE FENCE.

SPECIFICATION forming part of Letters Patent No. 453,542, dated June 2, 1891.

Application filed December 1, 1890. Serial No. 373,264. (No model.)

To all whom it may concern:

Be it known that I, JOHN W. BUCHANAN, of Smithville, in the county of Wayne and State of Ohio, have invented a new and useful
5 Improvement in Wire Fences, of which the following is a specification.

My invention is an improvement in that particular class of wire fences in which the wires composing one or more panels may be
10 tightened separately or individually, so as to take up slack and hold the wires as nearly parallel as practicable. In my fence the wires are secured at one end to a post and chains are attached to their other ends and passed
15 through holes in another post located at any required distance from the first one. Keys or equivalent devices are inserted through links of the chains on the outer side of the second post, in order to hold the wires duly
20 stretched and yet permit further adjustment of tension or complete detachment of the wires, as occasion may require.

In accompanying drawings, Figure 1 represents my improved fence in perspective.
25 Fig. 2 is a perspective view of lever employed in stretching the fence-wires.

Several wires *a* are stretched between two opposite posts *b b'*. They are secured at one end to the post *b* and passing intermediately
30 through smaller posts *c* and slotted spacing-boards *d* are adjustably and detachably secured to the other post *b'* by the means of the chains *e* and keys or large nails *f*. The chains
35 wires *a* and drawn to the requisite tension

through horizontal holes in the post *b'*. Then the keys *f* are inserted, one through a link of each chain *e* on the outer side of said post *b'*, thus securing the wires taut. By this means
40 any slack of the individual wires may be readily taken up whenever it shall be found to exist, and at the same time provision is made for releasing the wires from the post *b'*, so that they may be quickly slackened to allow passage of persons, stock, or teams, or re-
45 moved altogether, if required.

As a means for stretching the wires to a certain tension, I prefer to use a lever having at its butt-end a curved spring for insertion in the chain links and a fulcrum-block, which
50 is in practice placed against the end or chain-post *b'*.

What I claim is—

1. A wire fence having each of its wires provided with a short length of chain at one
55 end, substantially as and for the purpose set forth.

2. In a wire fence, the combination, with two posts, one of which is provided with a series of apertures, of a series of wires having
60 one end secured to one of the posts and their other ends provided with short lengths of chains, said chains being passed through the apertures of the post, and keys passed through the links of the chains, substantially as herein
65 shown and described.

JOHN W. BUCHANAN.

Witnesses:

M. H. GILBERT,
J. M. KING.