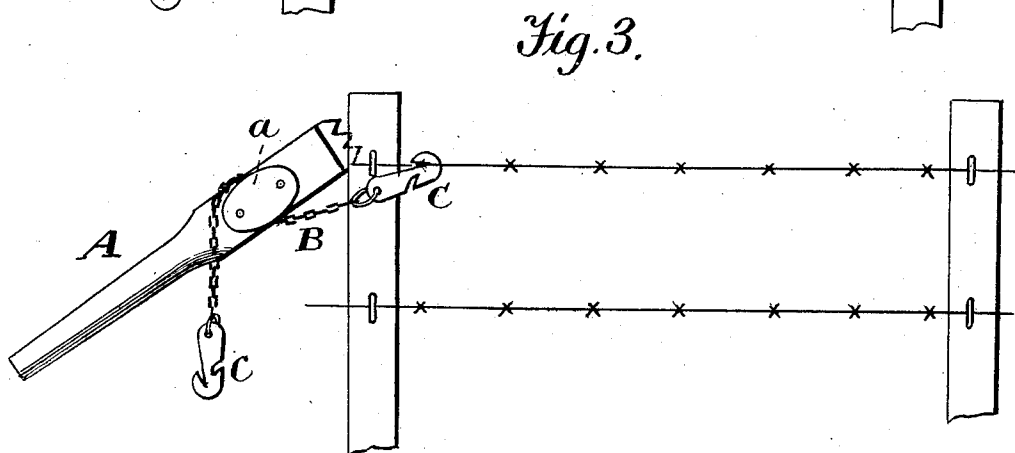
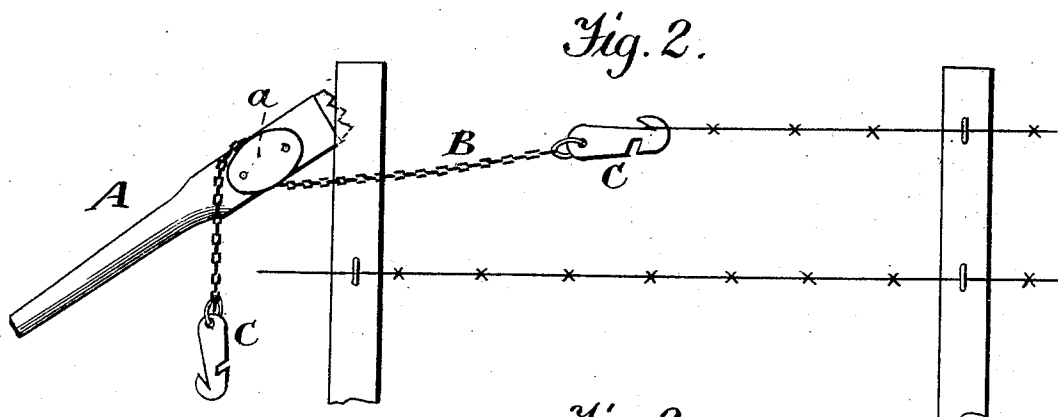
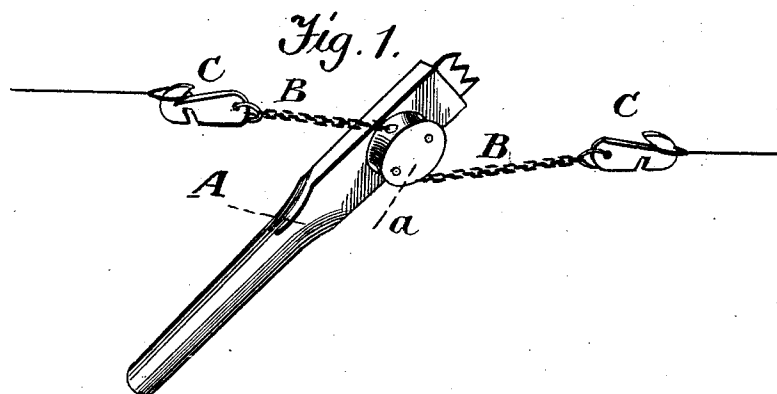


(No Model.)

F. M. FARMER.
WIRE STRETCHER AND TIGHTENER.

No. 549,450.

Patented Nov. 5, 1895.



Witnesses.
A. Ruppert,
G. B. Towler

Inventor.
Francis M. Farmer,
Per
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Atty

UNITED STATES PATENT OFFICE.

FRANCIS MARION FARMER, OF BELCHERVILLE, TEXAS.

WIRE STRETCHER AND TIGHTENER.

SPECIFICATION forming part of Letters Patent No. 549,450, dated November 5, 1895.

Application filed June 20, 1895. Serial No. 553,392. (No model.)

To all whom it may concern:

Be it known that I, FRANCIS MARION FARMER, a citizen of the United States, residing at Belcherville, in the county of Montague and State of Texas, have invented certain new and useful Improvements in Stretching and Tightening Wire; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

The special object of the invention is to stretch or tighten the rails of a wire fence in an easy and convenient manner without any unnecessary expenditure of labor or time.

Figure 1 of the drawings is a perspective view of my wire-stretcher with its fast side pulley and the rope or chain which passes loosely therethrough. Figs. 2 and 3 are elevations showing the invention applied.

In the drawings, A represents my lever-stretcher, which is provided on one side with the fast pulley or windlass *a*, through which I pass loosely a rope or chain B, preferably the latter. This chain has at each end a hook C, which catches on the wire barb, or if there is none, on a loop for the purpose made in the end of the wire. By catching each

end hook on an end of broken wire its two ends may be brought together and tied by turning the lever, so as to wind the chain on the fast pulley or windlass *a*. In order to stretch a wire one end is secured to a post, as shown in Fig. 2 of the drawings, and the lever turned until the wire is made as taut as desired, the end of the lever being arranged to take a bearing on a post, as shown.

In Fig. 3 of the drawings I illustrate my way of pulling out the staples. Take a link and catch on the back of hook and attach to the stretcher, the hook being attached to the wire next to the post. The lever is then braced against the post and moved upward, so as to jerk the staple out.

Having thus described all that is necessary to a full understanding of my invention, what I claim as new, and desire to protect by Letters Patent, is—

A wire stretcher and tightener consisting of a lever having, on one side of one end, the fixed pulley *a*, and a rope or chain B passing through said pulley and provided with a hook at each end, as shown and described.

In testimony whereof I affix my signature in presence of two witnesses.

FRANCIS MARION FARMER.

Witnesses:

THOMAS WELLS,
E. G. SHAW.