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WIRE STRETCHER.
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926,982.

Patented July 6, 1909.

Fig. 2.

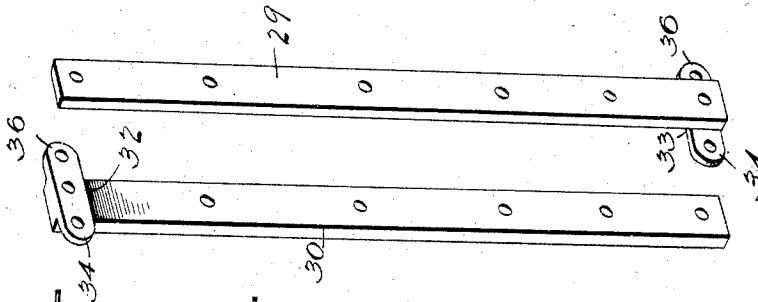
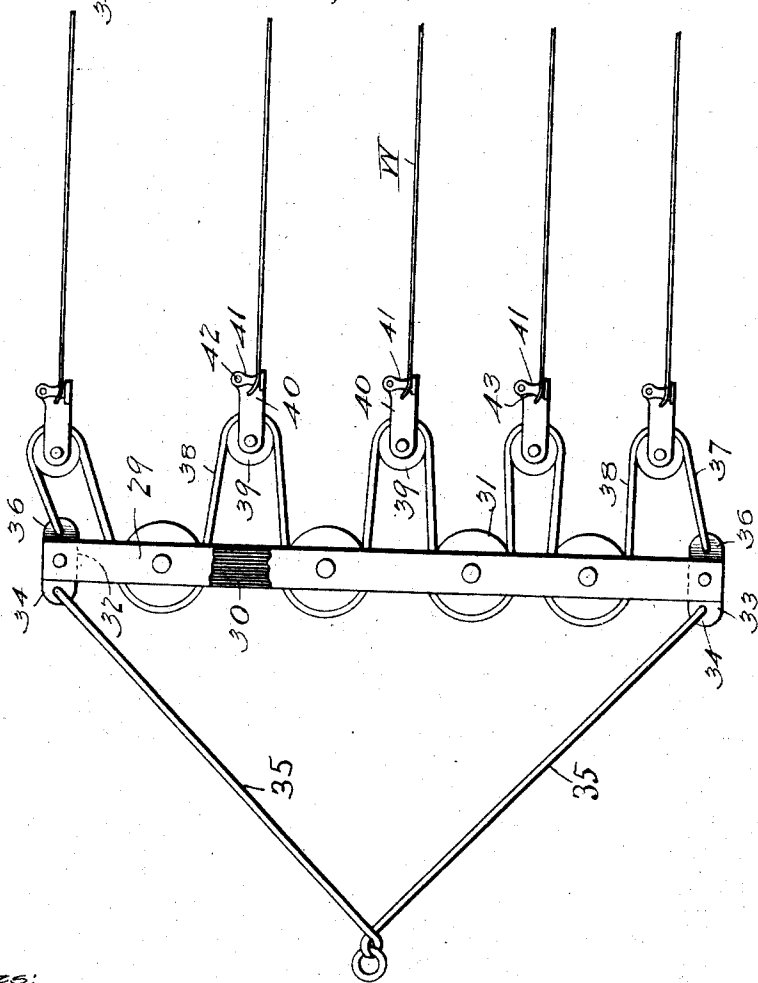


Fig. 1.



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UNITED STATES PATENT OFFICE.

BRUNO GRAHAM, OF TARRANT COUNTY, TEXAS.

WIRE-STRETCHER.

No. 926,982.

Specification of Letters Patent.

Patented July 6, 1909.

Application filed August 7, 1907. Serial No. 387,433.

To all whom it may concern:

Be it known that I, BRUNO GRAHAM, a citizen of the United States, residing in the county of Tarrant and State of Texas, have invented new and useful Improvements in Wire-Stretchers, of which the following is a specification.

This invention relates, generally, to wire stretchers, and more particularly to one adapted for stretching the strand wires either of a barb wire or of a woven wire fence.

The object of the invention is to provide an apparatus of this character which shall be simple in construction, efficient and durable in use, and which, with the output of the minimum of energy, shall secure the maximum of efficiency.

With the above and other objects in view, as will appear as the nature of the invention is better understood, the same consists in the novel construction, combination and arrangement of parts of a wire stretcher, as will be hereinafter fully described and claimed.

In the accompanying drawings forming a part of this specification, and in which like characters of reference indicate corresponding parts, Figure 1 is a detail view of an equalizing device to be used in connection with a mechanism for stretching the strands of a barb wire fence. Fig. 2 is a perspective view showing the arrangement of the equalizing bars.

The invention comprises two bars 29 and 30, between which are secured for rotation a plurality of grooved sheaves 31. The upper and lower ends of the bars 30 have secured to them castings 32 and 33 which have projecting portions that extend between the bars and serve to hold them properly spaced to avoid any binding of the sheaves. The castings are each provided on one side with orificed extensions 34, and these are engaged by a wire rope or chain 35 that in turn is engaged by the hook of a chain or cable, not shown.

The forward portion of the castings 32 and 33 are provided with orificed extensions 36

in which are secured the terminals of an evening cable 37 which is of sufficient length to permit the formation of a plurality of bights 38 in which are mounted sheaves 39 each carrying a yoke 40. The outer end of each yoke is provided with a clamping member consisting of a dog 41 pivoted as at 42 to the yoke and provided with serrated jaw 43 that co-acts with a similar jaw on the yoke and between which the strand wires W of the barb wire fence are secured, it being seen from the construction that the greater the draft or pull upon the equalizer the more firmly the clamps engage with the strand wires and thus prevent slipping. It will be obvious that if the strand wires are of an unequal length that the evening cable will compensate for this by allowing the sheaves 39 to assume such position as to insure an even stress upon the strands. The operation of the ratchet member in actuating the equalizer is the same as that when used in tightening the strands of a woven fence.

It will be seen from the foregoing description that while the improvements herein defined are simple in character, they will co-operate mutually in the production of a thoroughly efficient and highly efficacious apparatus.

What I claim is—

A strand equalizer for wire fences comprising two spaced apart bars carrying upper and lower castings which hold said bars in their spaced relation, said castings being provided with front and rear outstanding ears, a draft cable connected to the rear ears, a plurality of sheaves mounted between the spaced bars, an evener cable connected to the front ears of said castings and passing over said sheaves, a plurality of yokes carrying wire clamps, and sheaves carried by said yokes and engaging said evener cable.

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

BRUNO GRAHAM.

Witnesses:

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