July 28, 1953 F. CHAUSSEE 2,646,970

FENCE WIRE STRETCHER

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FIG. 1.

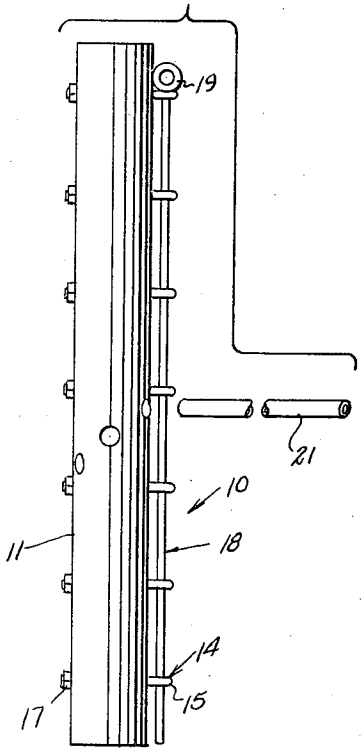


FIG. 3.

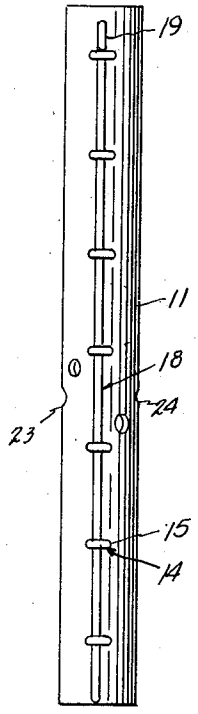


FIG. 4.

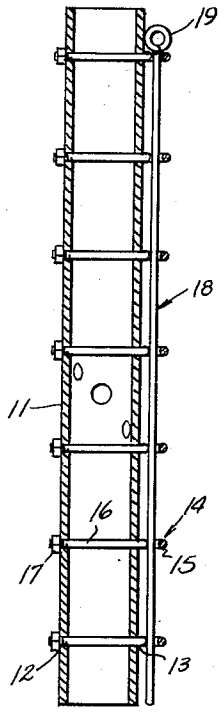


FIG. 2.

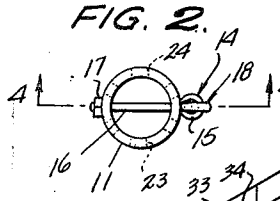


FIG. 5.

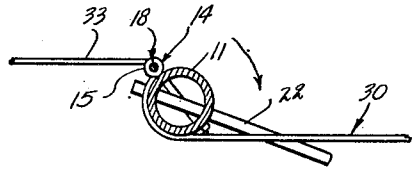


FIG. 6.

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FENCE WIRE STRETCHER

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2 Claims. (Cl. 256—41)

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This invention relates to an improved fence wire stretcher.

An object of this invention is to provide a stretcher which is particularly adapted to engage the wires of a woven wire fence for drawing the wires taut.

Another object of this invention is to provide a device for stretching the longitudinal wires of a woven wire fence to any desired tension and for maintaining the wires at said tension.

A further object of this invention is to provide a fence wire stretcher which can be permanently applied to a woven wire fence for tensioning the longitudinal strands of said fence whenever necessary.

A still further object of this invention is to provide a stretcher for a woven wire fence which is very simple in structure and cheap to manufacture.

The above and still further objects and advantages of the present invention will become apparent upon consideration of the following detailed description of the invention, when taken in conjunction with the accompanying drawings, wherein:

Figure 1 is an elevational view with parts broken away, of the fence wire stretcher of the present invention;

Figure 2 is a top plan view of the fence wire stretcher shown in Figure 1;

Figure 3 is another elevational view of the fence wire stretcher of the present invention, taken from the right of Figure 1;

Figure 4 is a sectional view taken along the line 4—4 of Figure 2;

Figure 5 is a reduced perspective view of the fence wire stretcher of the present invention, shown supported on a woven wire fence in position for tensioning the longitudinal strands of the fence; and,

Figure 6 is an enlarged transverse sectional view of the fence wire stretcher of the present invention, shown applied to a fence for maintaining the strands of the latter under a desired tension.

Referring now more particularly to the drawings, wherein like reference numerals have been used throughout the several views to designate like parts, there is shown the fence wire stretcher of the present invention, generally designated by the reference numeral 10 which includes a bar 11, illustrated as a length of steel or iron pipe, which is adapted to be arranged transversely of a woven wire fence 30 intermediate a pair of adjacent upstanding fence posts 31, 32 and in engagement with one side of the fence 30. At spaced intervals along its length the bar 11 is provided with opposed pairs of holes, generally designated by the reference numerals 12, 13.

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Disposed transversely of the bar 11 at spaced intervals along the length thereof are a plurality of fence engaging elements, generally designated by the reference numeral 14 and illustrated as eye bolts having eye sections 15 and elongated shanks 16. Each of the eye bolts is supported transversely of the bar 11 in the adjacent pair of opposed holes 12, 13, the securement of the eye bolts to the bar 11 being effected by means of the nuts 17 which are in threaded engagement with the free ends of the shanks 16. As clearly shown in Figure 4 the eyes 15 of the fence engaging elements 14 project from one side of the bar 11 and have their apertures disposed in registering relation with respect to each other. As shown in Figure 5, the eye carrying ends of the fence engaging elements 14 are extensible between the longitudinally extending strands 33 of the fence 30 and engageable with one of the transversely extending strands 34 of the fence 30.

Arranged transversely of the fence 30 is a rod 18 which is adapted to engage the side of the fence 30 remote from the bar 11. The rod 18 is supported in the eyes 15 of the fence engaging elements 14 and has its upper end provided with an enlarged head 19. Accordingly the rod 18 can be inserted through the registering apertures of the eyes 15 of the fence engaging elements 14 and maintained in a position in spaced parallel relation with respect to the bar 11.

Suitable means are formed intermediate the ends of the bar 11 for selectively receiving a lever 21, Figures 1 and 5, and a stop rod or bar 22, Figure 6, whereby the bar 11 can be rotated about its longitudinal axis by the lever 21 to stretch the longitudinal strands 33 of the wire fence 30 to a desired tension, the fence being maintained in the desired tension by means of the stop bar 22. As clearly shown in Figures 1, 3 and 4, the bar 11 is provided with a plurality of opposed pairs of apertures 23, 24, the pairs being arranged at spaced intervals along and circumferentially of the bar 11.

In actual use the rod 18 is withdrawn from its supported position within the eyes 15 of the I bolts whereupon the device is placed in the position illustrated in Figure 5 with the bar 11 arranged transversely of the fence 30 in engagement with one side thereof and the fence engaging elements extended between the longitudinal strands 33 and in engagement with an adjacent

one of the transverse strands 34. The rod 18 is once again brought into the supported position in engagement with the other side of the fence and the lever is inserted into an opposed pair of apertures 23, 24. The bar 11 is rotated about its longitudinal axis by means of the lever 21 to stretch the longitudinal strands 33 of the fence to a desired tension. With the lever 21 holding the fence 30 under tension, a stop rod 22 is inserted as illustrated in Figure 6 for preventing the rotary movement of the bar to the starting position illustrated in Figure 5. The fence stretcher 10 is left on the fence permanently and can be used in the same manner at any future time should the occasion arise wherein the same section of fence needs retightening.

Although one embodiment of the fence wire stretcher of the present invention has been described, it is readily apparent that numerous modifications can be made without departing from the spirt of the invention as set forth in the appended claims.

What I claim is:

1. In a stretcher for a fence having horizontal and vertical wires, a tubular bar adapted to be vertically positioned against one side of the fence against the horizontal wires thereof and alongside of a vertical wire thereof, bolts extending through and crosswise of said tubular bar at spaced intervals along said bar, said bolts terminating at one end in eyes projecting laterally from the bar, said eyes being aligned with each other lengthwise of the bar and being arranged to project between wires to the side of the fence opposite from the bar, a rod freely inserted through the eyes for engaging sides of horizontal wires of the fence remote from the bar, said bar being provided with a hole in at least one side thereof, and a lever rod removably inserted in the hole and projecting laterally from the bar for rotating the bar to wind the horizontal fence wires on the bar.

2. In a stretcher for a fence having horizontal and vertical wires, a tubular bar adapted to be vertically positioned against one side of the fence against the horizontal wires thereof and alongside of a vertical wire thereof, bolts extending through and crosswise of said tubular bar at spaced intervals along said bar, said bolts terminating at one end in eyes projecting laterally from the bar, said eyes being aligned with each other lengthwise of the bar and being arranged to project between wires to the side of the fence opposite from the bar, a rod freely inserted through the eyes for engaging sides of horizontal wires of the fence remote from the bar, said bar being provided with a hole in at least one side thereof, and a lever rod removably inserted in the hole and projecting laterally from the bar for rotating the bar to wind the horizontal fance wires on the bar, said tubular bar being provided with at least one other hole, and a stop rod removably inserted in said other hole and projecting laterally from the bar for engagement with a vertical wire of the fence and serving to prevent rotation of the bar in a direction to unwind the horizontal fence wires wound thereon.

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