(No Model.) 2 Sheets—Sheet 1.

C. A. BOHNER.

FENCE.

No. 591,732. Patented Oct. 12, 1897.

FIG. 1.

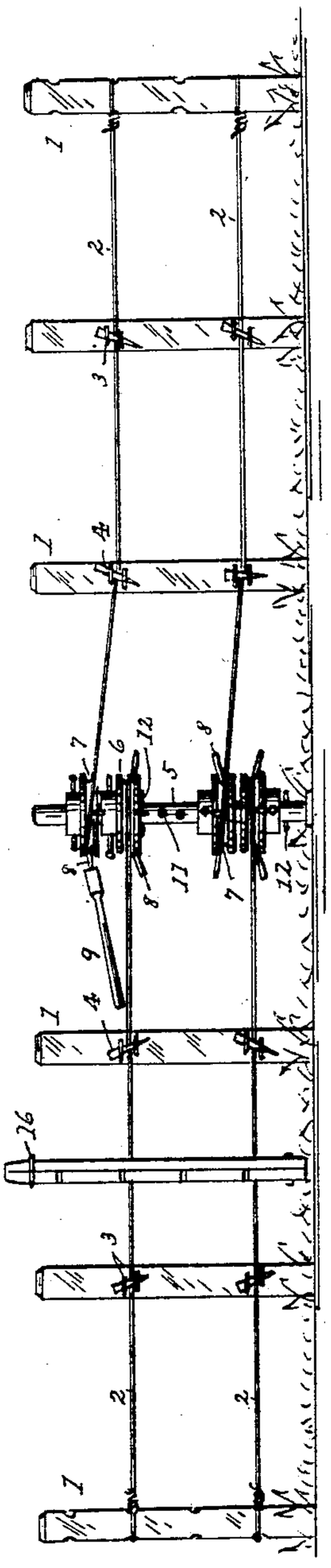


FIG. 4.

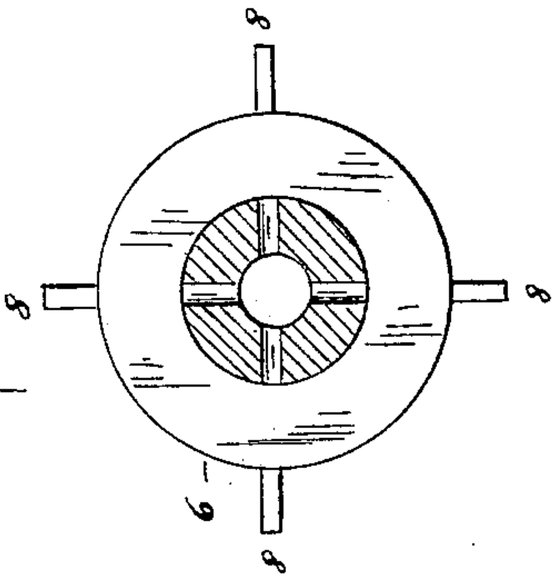


FIG. 3.

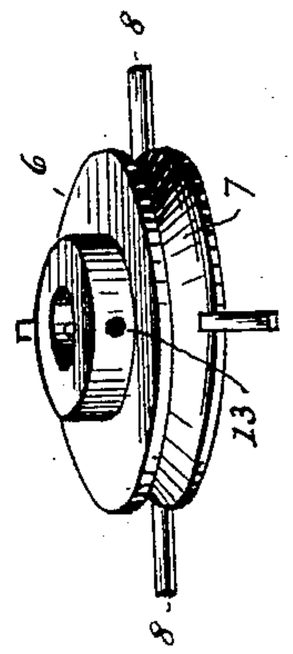
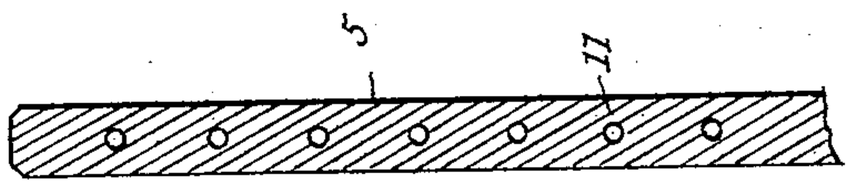


FIG. 2.



WITNESSES

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(No Model.) 2 Sheets—Sheet 2.

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No. 591,732. Patented Oct. 12, 1897.

FIG. 5.

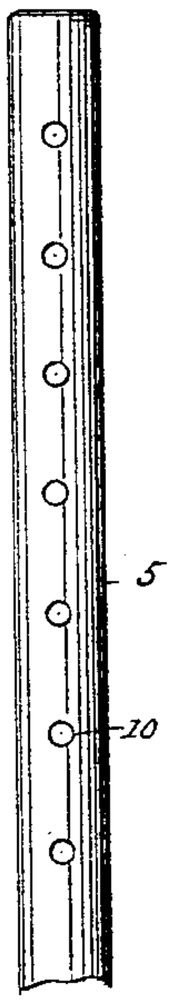


FIG. 6.

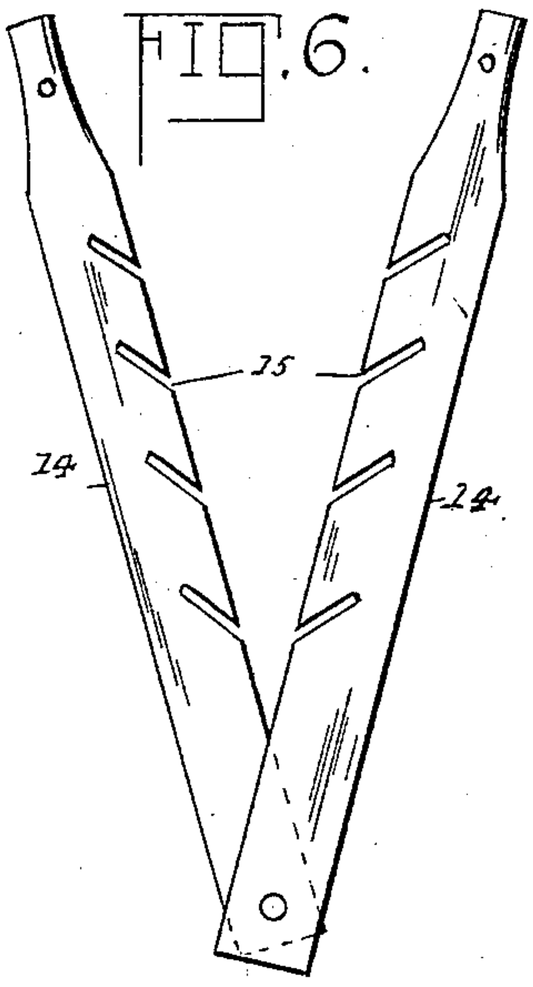


FIG. 7.

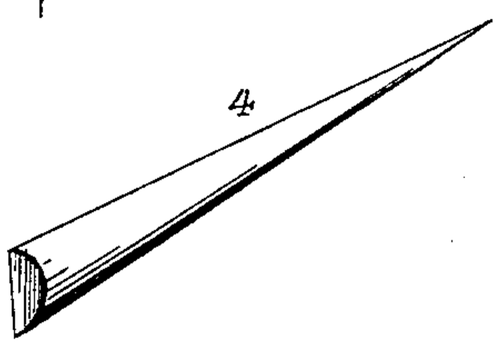
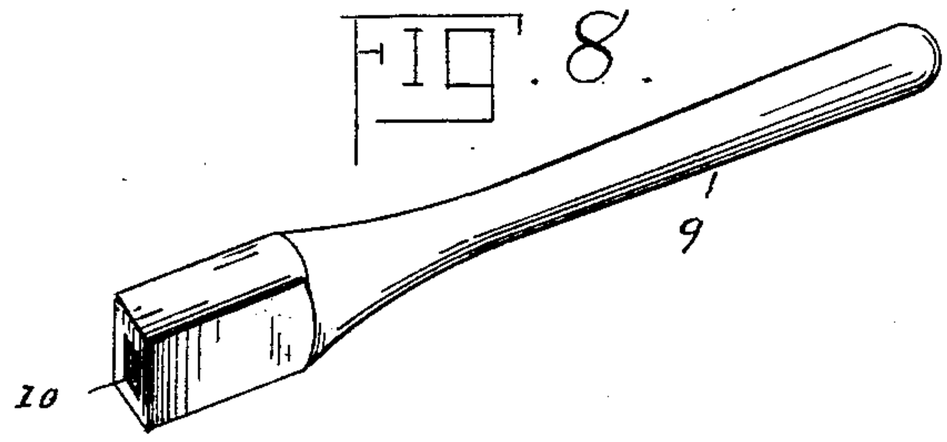


FIG. 8.



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UNITED STATES PATENT OFFICE.

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FENCE.

SPECIFICATION forming part of Letters Patent No. 591,732, dated October 12, 1897.

Application filed December 8, 1896. Serial No. 614,902. (No model.)

To all whom it may concern:

Be it known that I, CHARLES A. BOHNER, a citizen of the United States, residing at Paducah, in the county of Cottle and State of Texas, have invented certain new and useful Improvements in Fences; and I do hereby 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.

My invention relates to improvements in wire fences, the invention residing particularly in the mechanism for tightening the line-wires of the fence and in an improved stay for preventing the sagging of said line-wires.

The invention consists of a series of fence-posts, line-wires strung thereupon one above the other, cylindrical posts arranged at intervals between said fence-posts, drums mounted to rotate thereon to which the ends of the line-wires are connected, means for turning said drums for tightening said line-wires, and means for preventing the backward movement thereof.

The invention also consists in an improved means for attaching the line-wires to the fence-posts, and in a stay for preventing the sagging of the line-wires, which is made up of a pair of parallel bars pivoted one to the other at their lower ends, provided with a series of angularly-arranged parallel slits adapted to coöperate one with the other, and means for securing the upper ends of said bars together.

The invention consists, further, in certain details of construction and combinations of parts, which will be hereinafter more fully described and claimed.

In the drawings forming a part of this specification, Figure 1 represents a section of a fence constructed according to my invention, with one of the stays shown in place thereon and the tightening mechanism illustrated at one point. Fig. 2 is a sectional view of one of the cylindrical posts on which the tightening-drums are mounted. Fig. 3 is a detail perspective view of one of the tightening-drums. Fig. 4 is a horizontal section through the slots therein. Fig. 5 is a detail view of one of the cylindrical posts with the tightening-drums removed. Fig. 6 is a detail view of one of the stays with the parts shown in their open positions. Fig. 7 is a detail perspective view of one of the wedge-shaped bars employed for securing the line-wires to the fence-posts. Fig. 8 is a detail perspective view of the operating-lever for turning the tightening-drums.

Like reference-numerals indicate like parts in the different views.

The fence-posts 1 1 are of any suitable form of construction and have connected to them a series of line-wires 2 2. Each of said line-wires passes between a pair of staples 3 3 in one side of the fence-post 1 and is clamped in place by means of the wedge-shaped bar 4, which passes through the loops in said staples and forces said line-wire into close contact with said fence-post. At intervals between the fence-posts 1 1 are arranged cylindrical posts 5, each of which has mounted upon it a series of rotatable drums 6 6, arranged in pairs, one pair for each line-wire 2. The said drums 6 are provided with peripheral grooves 7, and also have projecting outwardly from them radially-disposed pins or projections 8 8. The said projections may serve as handles for turning the drums 6 6, or an operating-lever 9 may be applied to them, said lever being provided with a slot or opening 10 in its outer end, in which said pins or projections fit. The post 5 has laterally-extending slots or openings 11 therein, through which may be passed a securing rod or bar 12, which extends through similar openings 13 13, arranged at intervals in the drums 6, this construction being provided for the purpose of preventing the backward movement of said drums when the line-wires have been tightened thereby.

In connection with the foregoing parts I employ an improved form of stay for preventing the sagging of the line-wires 2 2. The said stay is adapted to be located between the fence-posts 1 1, and is made up of a pair of flat bars 14 14, pivoted together at their lower ends and each provided with a series of angularly-arranged parallel slits 15 15 in one edge thereof, the said slits 15 extending through the outer edge of the bars 14 to a point adjacent to the horizontal center of said bars. The slits in said bars are arranged upon opposite sides, so that when they are in their closed position the lower inner ends of said slits will lie directly opposite one another.

The line-wires are adapted to fit within these slits, the same being inserted into place when the bars are partially separated and being held from lateral displacement as well as being prevented from sagging when the bars are in their closed position. They are held in this closed position by means of a wire loop 16, which fits over the upper pointed ends of the rods or bars 14.

Having now described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination with the fence-posts and line-wires of a wire fence, of a cylindrical post or shaft, a series of drums mounted for rotation on said post or shaft, and radially-extending projections on said drums constituting handles and adapted to receive an operating-lever formed with a socket in which said projections fit.

2. The combination with the fence-posts and line-wires of a wire fence, of a cylindrical post or shaft having transverse openings therein, a series of drums to which said line-wires are connected mounted for rotation on said cylindrical post provided with openings therein which are adapted to be passed through the openings in said drums and post for preventing the backward movement of said drums, and radially-extending projections on said drums constituting handles and adapted to coact with an operating-lever having a socket in it in which said projections fit, substantially as and for the purpose described.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

CHARLES A. BOHNER.

Witnesses:
D. E. JENKINS,
W. D. PATTON.