

(No Model.)

W. H. WRIGHT.
WIRE FENCE STAY.

No. 539,782.

Patented May 21, 1895.

Fig. 1.

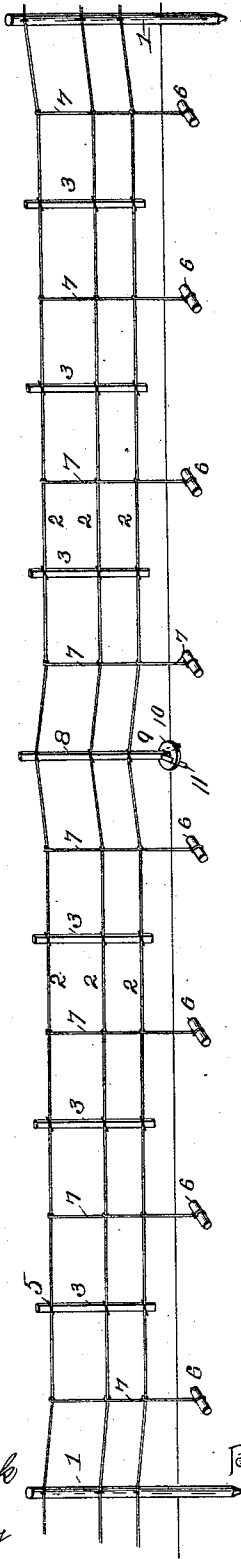


Fig. 2.

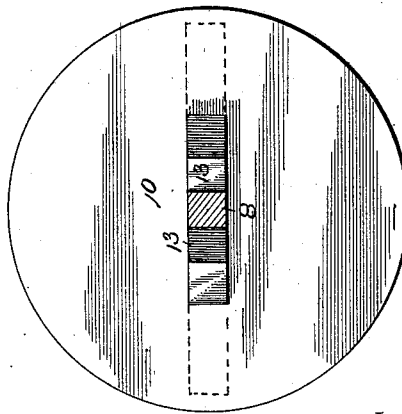


Fig. 3.

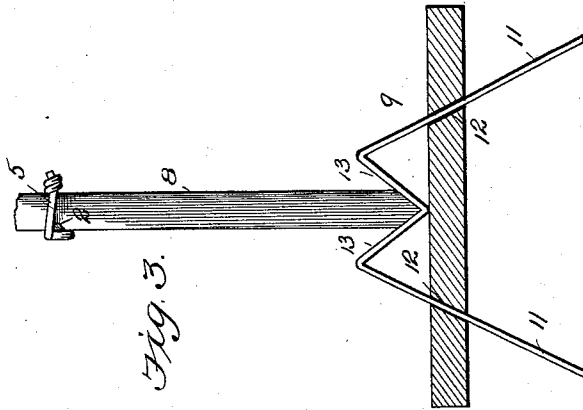


Fig. 4.

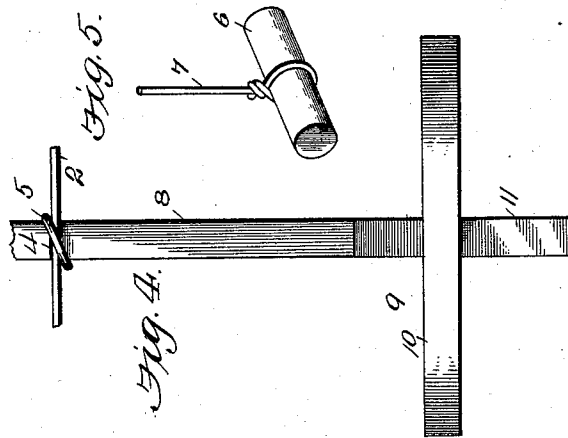
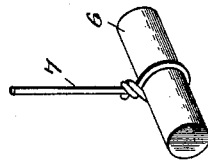


Fig. 5.



Witnesses

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By two Attorneys.

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UNITED STATES PATENT OFFICE.

WILLIAM H. WRIGHT, OF FREEPORT, OHIO.

WIRE-FENCE STAY.

SPECIFICATION forming part of Letters Patent No. 539,782, dated May 21, 1895.

Application filed November 14, 1894. Serial No. 528,793. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. WRIGHT, a citizen of the United States, residing at Freeport, in the county of Harrison and State of Ohio, have invented a new and useful Fence, of which the following is a specification.

The invention relates to improvements in fences.

The objects of the present invention are to improve the construction of wire fences, to enable posts to be arranged at long intervals without impairing the strength of the fence, to maintain firm and erect panels of fence of extraordinary length, to brace and support the fence wires so as to make them absolutely invincible against any breakage by any force or pressure that cattle can ordinarily bring to bear upon them, and to prevent the panels between the posts from being raised by upward pressure from the ground.

A further object of the invention is to provide a fence which, when bent over by a heavy wind, will return automatically to its original erect position.

The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended.

In the drawings, Figure 1 is a perspective view of a fence-panel constructed in accordance with this invention. Fig. 2 is a horizontal sectional view illustrating the construction of the support. Fig. 3 is a vertical sectional view of the same. Fig. 4 is an elevation of the support. Fig. 5 is a detail perspective view of one of the anchors.

Like numerals of reference indicate corresponding parts in all the figures of the drawings.

1 designates fence posts at the end of a panel of the fence, and fence wires 2 are secured to the posts 1 by any suitable means, preferably by wire nails driven into the post beneath the wires for supporting them, and bent over the same to confine them. The fence wires are supported at intervals by wooden stays 3, having notches or recesses 4 for the reception of the fence wires, and secured to them by wire ties 5, embracing the stays and the fence wires.

The wooden stays, which may be of any con-

struction, are located at regular intervals; and between the stays the fence wires are supported by anchors 6, and wires 7, which have their lower ends secured to the anchors, and which are secured to the fence wires. The anchors are preferably round, and the lower ends of the wires are passed around the anchors, and thereby secured to them.

In applying the anchor wires to the fence wires each one is first attached to the lowermost wire, which is drawn downward, and the anchor wire is then secured to prevent the lowermost wire from slipping, and it is then applied to the other wires of the fence in the same manner, whereby the fence wires are drawn downward in the direction of the ground, and are caused to slope or incline at opposite sides of the post, and are effectually prevented from being raised or lifted by upward pressure from the ground, which is indicated by a line in Fig. 1.

In order to hold the panel upward from the ground, to maintain the stays in proper position, a central stay 8 and a support 9 for the stay 8 are provided. The support consists of a flat plate 10 resting upon the ground, and a substantially W-shaped frame 11 connected with the plate 10 and supporting the stay 8. The plate is preferably circular, but may be of any other desired shape, and it is provided with opposite inclined slots 12, receiving the diverging oppositely inclined sides of the frame 11. The frame 11 is provided at its top with an inward or downward extending V-shaped bend 13, forming a socket for the lower end of the stay 8, which is beveled to conform to the inclined sides of the bend 13. The lower portions of the sides or legs of the frame 11 penetrate the ground, and prevent any lateral shifting of the support 9, whereby the plate is securely held against accidental movement. The point of the bend 13 rests upon the upper face of the plate 10, and the lower end of the stay is securely held against lateral or sidewise movement, and the fence wires prevent any shifting of the stay in the opposite direction.

It will be seen that the support acting in conjunction with the wire and wood stays, imparts to the panel of the fence, as a whole, an extraordinary degree of firmness, strength, and elasticity, and at the same time admitting

of very long panels between posts. The posts may be arranged a much greater distance apart than the proportion shown in the drawings, provided a proper proportion of supports be observed.

Changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

What I claim is—

1. In a fence, the combination of fence wires, a supporting stay connected to the fence wires and having its lower end tapered, and a substantially **W**-shaped frame, comprising the opposite inclined sides or legs adapted to be inserted in the ground, and the **V**-shaped portion or bend connecting the upper ends of the sides or legs and receiving the beveled end of the stay, substantially as described.

2. In a fence, the combination of fence wires, a supporting stay secured to the fence wires and having a tapered lower end, and a support comprising a plate having opposite inclined slots and designed to be arranged on the ground, and the substantially **W**-shaped frame having opposite inclined legs located in the slots and adapted to penetrate the ground, said frame being provided at its apex with a **V**-shaped bend resting upon the upper face of the plate and receiving the tapered end of the supporting stay, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

WILLIAM H. WRIGHT.

Witnesses:

J. F. McMATH,

JOSEPH W. GRIMSLEY.