(No Model.)

J. A. E. ANDERSON.

FENCE.

No. 423,201. Patented Mar. 11, 1890.

Fig. 2.

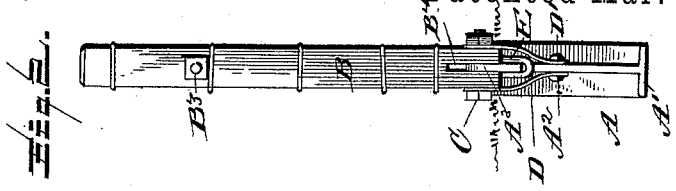


Fig. 1.

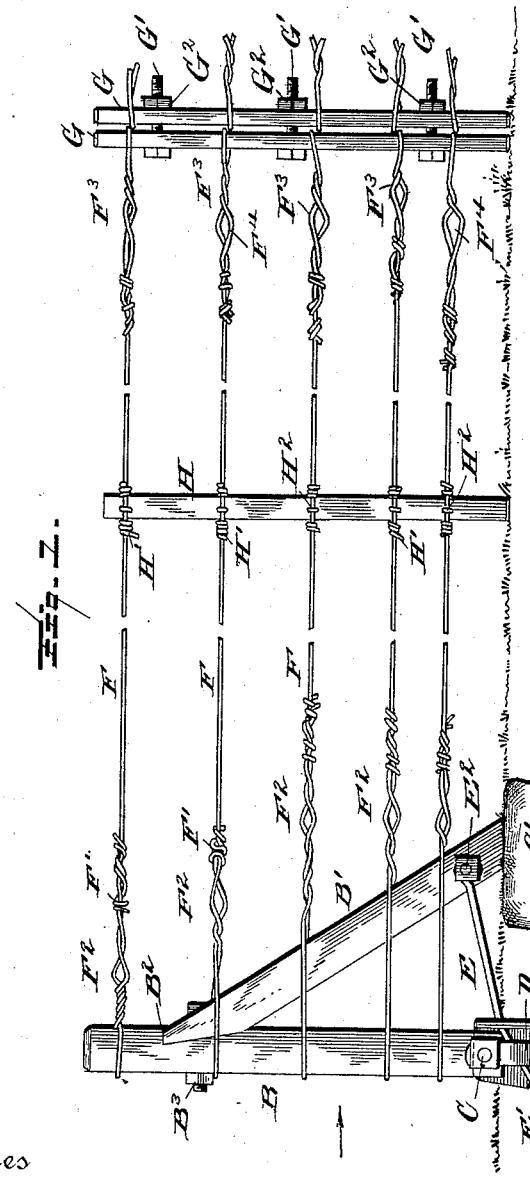
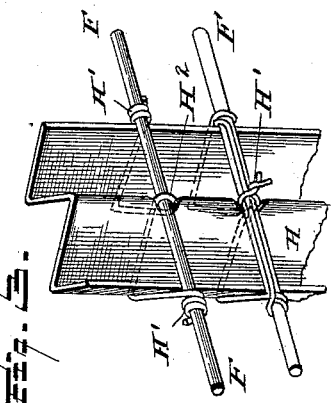


Fig. 3.



Witnesses

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UNITED STATES PATENT OFFICE.

JOHN A. E. ANDERSON, OF LEBANON, INDIANA, ASSIGNOR OF ONE-HALF TO C. LENOX, OF SAME PLACE.

FENCE.

SPECIFICATION forming part of Letters Patent No. 423,201, dated March 11, 1890.

Application filed November 7, 1889. Serial No. 329,496. (No model.)

To all whom it may concern:

Be it known that I, JOHN A. E. ANDERSON, a citizen of the United States, residing at Lebanon, in the county of Boone, State of Indiana, have invented certain new and useful Improvements in Fences, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to certain new and useful improvements in fences; and it has for its object to provide an improved foot-brace and support for the post, and also an improved means of tightening or slackening the wire in hot or cold weather. These are the primary objects. Other objects and advantages of the invention will appear in the following description, and the novel features thereof will be particularly pointed out in the claims.

The invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification, and in which—

Figure 1 is a side elevation of a portion of a fence embodying my improvements. Fig. 2 is an end view thereof, looking in the direction of the arrow in Fig. 1. Fig. 3 is a perspective detail showing a corrugated stay.

Like letters of reference indicate like parts in all the views.

Referring to the details of the drawings by letter, A represents a metallic foot-brace or support formed with horizontal flanges A′ and vertical flanges A^2. This foot piece or brace is designed to be placed in the ground and the flanges designed to be weighted down with rocks or suitable ballast to hold it more firmly in its place, and this also prevents its settling sidewise.

B is an end post braced by means of the inclined brace B′, suitably supported at its lower end and at its upper end notched into the post, as shown at B^2, and the two parts firmly held together by means of the bolts B^3, provided with suitable nuts for tightening the parts when necessary. The lower end of the post B is bifurcated, as shown at B^4, to embrace the web A^3 of the foot-brace A, and is held thereto by means of a single bolt C, which passes through the web and through bifurcations of the post, and is provided with suitable nut or nuts for tightening the same.

D are brace-arms, one upon each side of the web of the foot-brace, being secured thereto at their lower ends by means of the bolt or rivet D′, which passes through said ends and through a hole in the web, and their upper ends are bowed or curved outwardly and embrace the bifurcations of the post, and are secured thereto by means of the bolt C, which secures said post to the web. This forms a firm hold for the post B, but yet allows the same to have a movement on said bolt in the direction of the line of fence under undue strain on the wires to prevent breakage at the junction of the post with the foot-brace. The lower end of the brace B′ is preferably supported upon a rock or other analogous device C′ in such manner that it may have slight movement thereon in the line of the fence under undue strain on the wire. The lower end of this inclined brace B′ is held to the foot-brace A by means of the loop E, the bight of which is seated in a notch E′ in the web of the foot-brace, and the ends after passing through suitable holes in the vertical flanges A^2 of said web are secured upon a transverse bolt E^2 in said inclined brace.

F are the fence-wires, which at the post end are connected to the ends of loops F′ on the end post, the said loops being formed with openings F^2, through which a bar or other suitable instrument may be placed to twist the wires to tighten the same or to untwist them to slacken the same when occasion may require. The other end of the fence-wires are similarly connected with suitable loops F^3, provided with similar holes F^4 for a like purpose, the loops F^3 having their ends around the uprights or bars G held together by means of the bolts G′ and nut G^2, by means of which the said bars or uprights G G may be drawn together or separated, as may be desired, for the purpose of tightening or slackening the wires.

H is a panel or stay provided with apertures in line with the fence-wires, and the said panel is held to the fence-wires by means of short wires H′, which are passed through said openings in the panel H to form a loop H^2, through which the fence-wires pass. The ends of the

short wires may then be brought around the panel and tightly twisted about the fence-wires upon opposite edges of the panel, as clearly shown in Fig. 1; or said ends may form the loop, as shown at the bottom of Fig. 3.

A fence constructed as above described can be readily set up or taken apart for transportation. It forms a rigid fence, yet allows of a vibration in the line of fence under undue strain upon the wire without separation of the post and foot-brace, and the wires may be readily and easily tightened or slackened, as may be desired.

I may sometimes employ a corrugated stay or panel, in which case the loop H^2 will be passed through the bend in the stay, as illustrated in Fig. 3, the metal at the bend being preferably cut away, as shown, to form a seat for the wire F, as shown in said figure.

What I claim as new is—

1. The combination, with the foot-brace and the post having bifurcated lower end embracing the web of the foot-brace, and the braces D, secured to the foot-brace upon opposite sides of the web thereof, of the transverse bolt securing the braces, post, and foot-brace together, substantially as described.

2. The combination, with the foot-brace formed with vertical flanges and notched, as shown, of the post secured to said foot-brace, the inclined brace B′, and the loop having its bight seated in said notch, with its ends passed through openings in the vertical flanges of the foot-brace and secured to the lower end of the inclined brace, substantially as described.

3. In combination with the post and its support, the fence-wire having its end passed around the post to form a loop embracing said post, with the end of the wire twisted around the main wire, with an opening F^2 formed between the twist in the end and the loop, substantially as and for the purpose specified.

4. The combination, with the post and fence-wires, of the corrugated panel or stay having openings in line with the fence-wires, and the short wires having their bights passed through the openings in the bend of the panel and embracing the fence-wires and their ends passed angularly around the panel and secured to the fence-wire upon opposite edges of the panel, substantially as shown and described.

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

JOHN A. E. ANDERSON.

Witnesses:
IKE P. HOOTON,
ALEXANDER O. SPENCER.