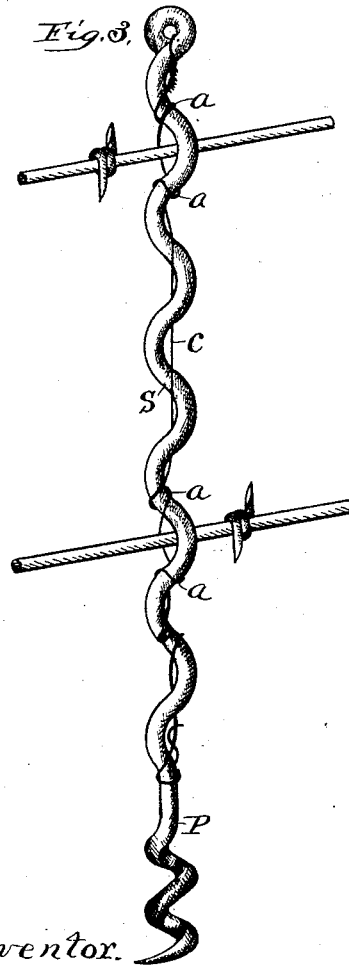
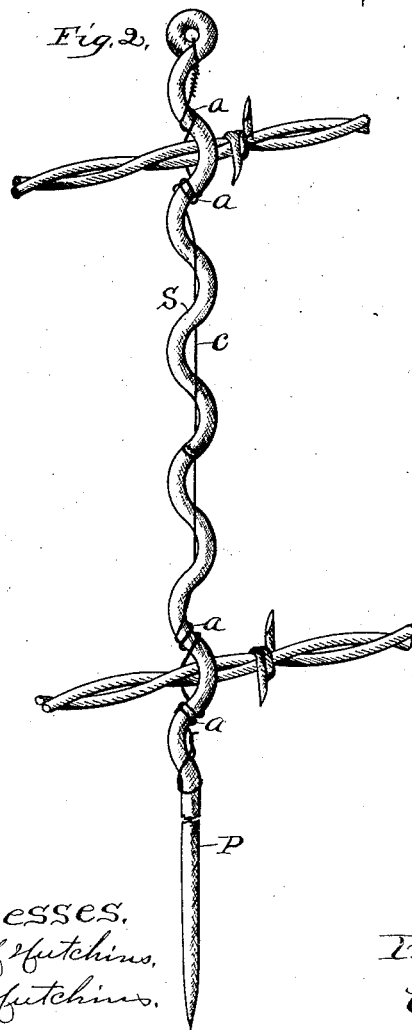
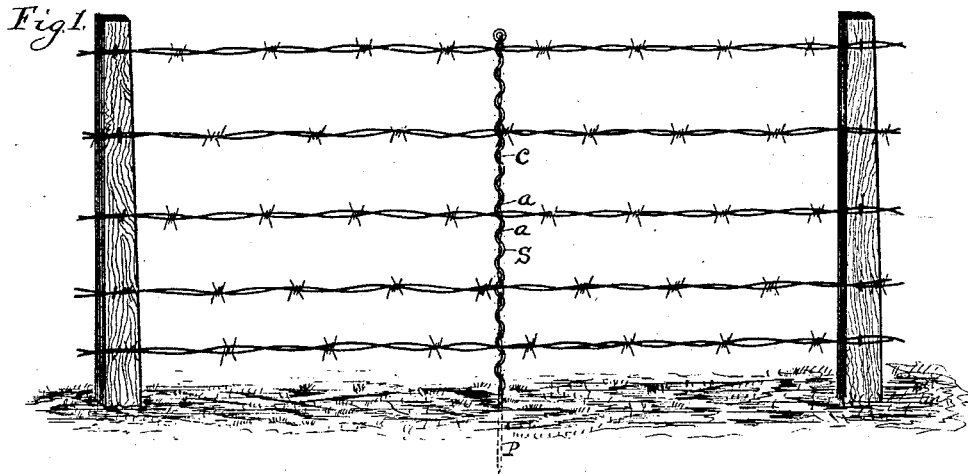


(No Model.)

C. B. BRAINARD.
STAY FOR WIRE FENCES.

No. 345,877.

Patented July 20, 1886.



Witnesses,
J. H. Hutchins,
J. J. Hutchins.

Inventor,
Curtis B. Brainard.

UNITED STATES PATENT OFFICE.

CURTIS B. BRAINARD, OF JOLIET, ILLINOIS, ASSIGNOR TO WILLIAM J. ADAM, OF SAME PLACE.

STAY FOR WIRE FENCES.

SPECIFICATION forming part of Letters Patent No. 345,877, dated July 20, 1886.

Application filed March 9, 1886. Serial No. 194,519. (No model.)

To all whom it may concern:

Be it known that I, CURTIS B. BRAINARD, a citizen of the United States of America, residing at Joliet, in the county of Will and State of Illinois, have invented certain new and useful Improvements in Stays for Wire Fences, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention relates to certain improvements in stays for wire fences, which improvements are fully set forth and explained in the following specification and claim, reference being had to the accompanying drawings and the letters of reference marked thereon, making a part of this specification, in which—

Figure 1 is a perspective view of the stay as it would appear applied to a panel of wire fence; and Figs. 2 and 3 are perspective views of the stay, showing more in detail the manner in which the fence-wires are secured to it.

Referring to the drawings, S represents the stay proper, which is made of a strong strip or rod of metal corrugated throughout its entire length, and having its upper end formed in an eye, in which to secure the binding-wire, and having its lower end terminate in the straight portion P, for entering the earth to prevent the swaying of the fence-panel.

C is a binding-wire, considerably less in size than the strand wire, and secured thereto by having its upper end looped into the eye in the upper end of the stay S, as shown in Fig. 2, and is for the purpose of securing the fence-wires to the stay.

The manner in which the stay is applied to the fence-wires is shown particularly in Fig. 2, and consists in placing it against the side of the fence-wires, with its lower straight portion, P, resting in the ground and about midway between the fence posts of the panel. The fence-wires are then placed, respectively, in one of the corrugations of the stay, the proper distance apart, and the binding-wire C is then interwoven between the said corrugations, beginning at the top of the stay, so

as to inclose the fence-wires and secure each one in its proper corrugation.

In order to hold the fence-wires securely in their proper corrugations the binding-wire C is coiled once or more around the stay-wire S, both immediately above and below each fence-wire, as shown in Fig. 2. When all the fence-wires are thus secured, the lower end of the binding-wire is secured to the foot of the stay by coiling it thereon, as shown in said figure. The strip is corrugated throughout its length, to adapt it to the distance apart the fence-wires may be placed.

If desired, the lower end of the stay may be formed in the worm, as shown in Fig. 3, so the stay may be turned to screw the worm into the earth, to more thoroughly secure the stay to the earth than when the lower end is straight, as shown in the other figures.

I am aware that a binding-wire similar to the one I use has heretofore been in use for attaching the fence-wires to the side of a fence-post having no crimps or indentations for the reception of the fence-wires. I am also aware that a stay for this purpose crimped at intervals and having plain portions between its crimps has been used, in connection with a clasp shaped like a staple, to inclose the stay and fence-wire and hold the fence-wires in a crimp; and I am also aware of the use of a stay for this purpose made of a spiral wire, and used, in connection with a lock-wire passed down through its coils, to secure the fence-wires between the spiral wire and the lock-wire; but I am not aware of the use of such a stay-wire as I have invented and herein described, made from a wire crimped throughout its entire length, and used in connection with a small binding-wire, as set forth.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is as follows, to wit:

The stay for wire fences shown and described, consisting of the wire or rod S, having consecutive corrugations throughout its entire length, and having its upper end terminate in an eye and its lower end in the

straight portion P, in combination with the
smaller long binding-wire C, attached thereto
by having its upper end looped into the eye
of its fellow corrugated wire S, and adapted
5 to secure the fence-wires in said corruga-
tions by means of being coiled around the
shoulders of the corrugations containing fence-

wires, and having its lower end secured to
the foot of its fellow wire, substantially as set
forth.

CURTIS B. BRAINARD.

Witnesses:

THOS. H. HUTCHINS,

WM. J. HUTCHINS.