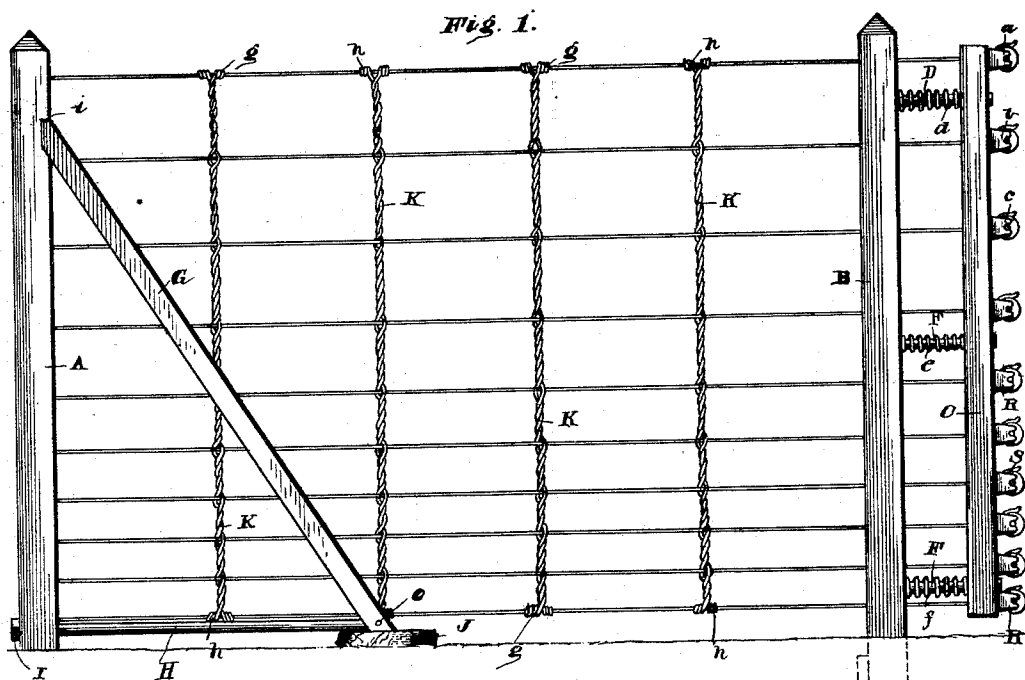


(No Model.)

J. SPILLINGER.
FENCE.

No. 485,304.

Patented Nov. 1, 1892.



Witnesses

Chas. G. Ford.

Abraham Macaulay

Inventor

Joseph Spillinger.

By *his* Attorneys,

Ca Snow & Co.

UNITED STATES PATENT OFFICE.

JOSEPH SPILLINGER, OF PHILADELPHIA, PENNSYLVANIA.

FENCE.

SPECIFICATION forming part of Letters Patent No. 485,304, dated November 1, 1892.

Application filed July 5, 1892. Serial No. 438,932. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH SPILLINGER, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a new and useful Fence, of which the following is a specification.

My invention relates to fences, and has as its object to provide a fence which shall be cheap to manufacture and which shall be so constructed that by means of the devices I employ I am enabled to take up any looseness or wear resulting from use.

To these ends it consists in certain details which I shall presently point out.

In the drawings, Figure 1 is a side elevation of my improved fence. Fig. 2 is a detail view of my preferred form of winder or ratchet. Fig. 3 is a detail view of my improved anchor for end posts.

Referring to the drawings, A and B respectively represent posts, B being a corner-post. Between the posts I run any number of wires, preferably, however, ten, as shown in the drawings. These wires I pass through the posts and extend the ends beyond the corner-post and attach them to the winders or ratchets *a, b*, and *c* on the block C. Fixed in the end post B are the bolts D E F, having the coiled springs *d e f* thereon. The bolts pass through the block C, serving as guides to keep said block in the plane of the fence. The block when under a tension from the wires impinges against the above-mentioned coiled springs, so that any sudden strain on the wires will be absorbed by the said springs. The winders or ratchets may be of the ordinary windlass type; but I prefer to employ the one which I shall presently describe.

G represents my post-brace, the upper end of which is mortised in the post A at *i*. The lower end of the brace G is seated upon the top of the stone or block J, so that a strain upon the post A, tending to tilt it toward post B, will be resisted by the brace G upon block J. To prevent the end of brace G slipping off of block J, I provide the rod H, bolted at one end to post A at I, as shown,

and fastened at O to the lower end of brace G. This arrangement causes the brace to remain in its proper position.

K K represent mid-stays, made of two strands of wire and designed to keep the wires in position relatively to each other. These wires are twisted around each other, embracing in succession each of the wires, not tightly, however, except the top and bottom wires. The ends *g h* of the strands of the stays are twisted around said top and bottom wires, the one strand *g* being twisted to the right, the other *h* being twisted to the left. This I do to prevent the braces K being moved laterally out of position.

Just below the surface of the ground I secure to each end post a cross-strip L to increase the area of resistance against a strain tending to draw post B toward post A. To prevent the post being pulled up, I secure another cross-strip N to the bottom of the end post and place across it the pieces P and Q, so that after the dirt is filled in on top of P and Q it will be impossible to withdraw the post without first removing the earth around it.

In constructing my fence the wires are fastened to one end post and run loosely through each succeeding post, the stays K being put on meantime. When another end post is reached, the wires are passed through it and the block C and are hitched to the winders or ratchets *a b c*, &c., which are then wound up to give the fence a desired tension.

Having thus described my invention, I claim as new, and hereby make application for patent on—

1. A fence comprising end posts having anchors, consisting of the strips L N P Q, the block C, the intermediate posts, the wires passed loosely through said posts and fastened to the block C, the winders or ratchets *a b*, &c., for giving the wires any desired tension, the springs *d e f*, the mid-stays K K, and the post-braces G, substantially as described.

2. The combination, in a wire fence, of the corner or end post, the wires mounted on said post and attached to winders or ratchets *a b*

c, said winders being mounted on block C, the rods D E F for retaining block C in the plane of the fence, and the springs *d e f*, mounted on said rods and interposed between
5 the post and said block, 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.

JOSEPH SPILLINGER.

Witnesses:

JNO. H. SIGGERS,

ALVAN MACAULEY.