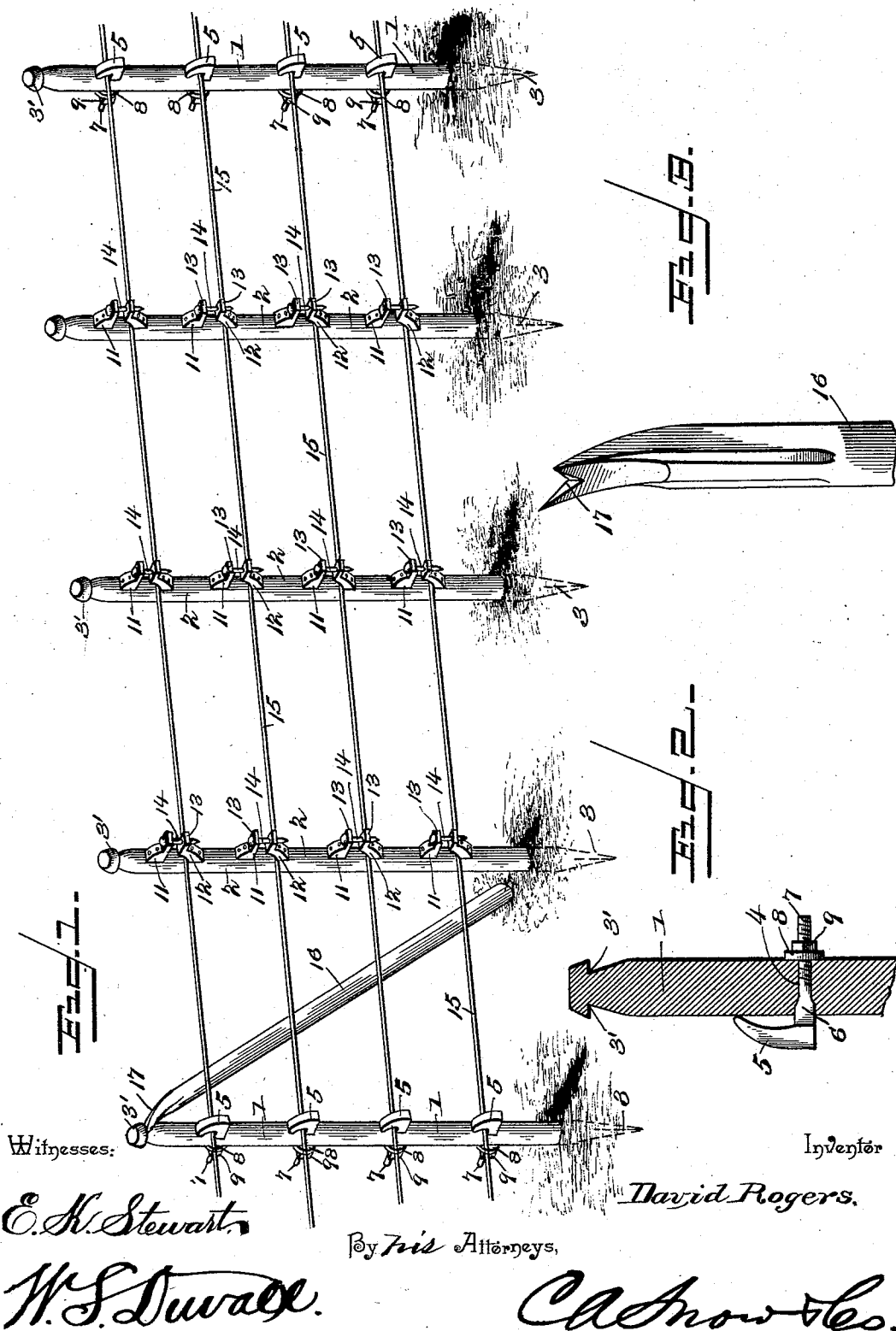


D. ROGERS.
WIRE FENCE.

Patented Nov. 21, 1893.



UNITED STATES PATENT OFFICE.

DAVID ROGERS, OF BRIDGEHAMPTON, NEW YORK.

WIRE FENCE.

SPECIFICATION forming part of Letters Patent No. 509,102, dated November 21, 1893.

Application filed May 13, 1893. Serial No. 474,132. (No model.)

To all whom it may concern:

Be it known that I, DAVID ROGERS, a citizen of the United States, residing at Bridgehampton, in the county of Suffolk and State of New York, have invented a new and useful Wire Fence, of which the following is a specification.

My invention relates to improvements in wire fences, and has particular reference to the construction of posts employed therein, the objects in view being to provide a fence composed of wire strands and metal posts, the posts being so constructed as to be readily set up in position in the ground and the wires strung without the employment of any expensive or numerous tools for this purpose, and when said fence is set up and completed the same shall be strong and durable and capable of being readily taken down and reset when desired at some other place.

With these and other objects in view the invention consists in certain features of construction hereinafter specified and particularly pointed out in the claims.

Referring to the drawings:—Figure 1 is a perspective view of a fence embodying my invention, the same being shown in the course of construction. Fig. 2 is a vertical longitudinal sectional view of the upper portion of one of the posts. Fig. 3 is a detail in perspective of the upper end of the brace bar employed to support in a vertical position a clamping post during the stretching of the wire strands.

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

In practicing my invention I employ two characters of posts, namely, the clamping posts 1 and the supporting posts 2. Each of the posts 1 and 2 have their lower ends shaped to form driving points 3, and the posts are preferably formed of galvanized iron, but I do not confine my invention to such formation. Near the upper ends of the posts the same are reduced, forming abrupt annular shoulders 3'.

I propose to employ in the construction of the fence any desired number of wire strands, the number being changed in accordance with the position and use of the fence. For instance, if the fence is simply to guard against

the entrance or to retain large cattle or stock three or four wire strands will be sufficient, but where small stock is to be prevented from leaving an inclosure or gaining entrance thereto, I increase the number to seven or more if so desired. The main or clamping posts 1 are provided at intervals agreeing with the distance apart which it is desired to set the wire strands with transverse openings 4, which openings are near one of their ends squared, as shown. In each of the openings 4 a wire clamp is located, and such clamp consists of an outer clamping head portion 5, at the lower end of which is formed a square shank 6, which fits the square portion of the hole, and beyond said square shank it is reduced and threaded, forming the usual bolt end 7, which extends through and beyond the hole and at the opposite side of the post is provided with a washer 8 and a binding-nut 9. The supporting posts 2 are provided at intervals with pairs of brackets, the upper bracket 11 of each pair being of triangular shape, and the lower bracket 12 being inclined, but terminating short of the lower end of the upper bracket and each provided with outwardly extending perforated lugs 13 through which a vertical nail 14 may be removably inserted, whereby the entrance to the space between the brackets is closed.

In setting up the posts a series of the posts 2 are located between pairs of the clamping posts 1, though, if preferred, the said posts may alternate, but this, however, is unnecessary. The posts are driven in the ground in the ordinary way, and by reason of their sharpened lower ends, this work may be accomplished with due expedition. The wire strands 15 are passed between the lugs 13, after which the nails 14 are inserted in said lugs so as to close the openings between the brackets, after which the strands are located in the several clamps. Now by means of an ordinary wire tightener the said strands are tightened or drawn taut in the usual way, and by applying a wrench to the clamping or binding nuts 9, the said clamps are drawn against the wire strands binding them snugly against the posts and preventing any laxity.

In the operation of tightening the wires I employ a removable and temporary brace bar

16, the same at its lower end being adapted to rest upon the ground while its upper end which is curved and forked, as at 17, engages under the convenient shoulder or head 3' of the post adjacent to which the stretcher is located, so that the post is held in a perfectly vertical position and braced against any inclination as might be caused by the tension of the wires exerted thereon during the operation of tightening. It will be understood that the brace is moved from post to post as the wires are tightened and the fence completed.

Having described my invention, what I claim is—

1. In a fence, the combination with a series of clamping posts, of a series of intermediate wire-supporting posts, the same being provided coincident with the clamps with pairs of independent brackets, the upper bracket of each pair being triangular, and the lower bracket inclining from its post toward the tri-

angular bracket forming a concaved wire-receiver and terminating short of the upper bracket, outwardly extending lugs perforated and formed upon the ends of the brackets, and combining to form an entrance to the wire-receivers removable nails passed through the receiving brackets, and wires located in the brackets and clamps, substantially as specified.

2. A fence-post having an upper annular groove and below the same provided with a series of wire clamps, the said groove being adapted to receive the upper forked end of a temporary brace, substantially as specified.

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

DAVID ROGERS.

Witnesses:

W. C. GREENE,
A. LINCOLN ROGERS.