

(No Model.)

2 Sheets—Sheet 1.

J. E. DUSANG.
FENCE.

No. 504,570.

Patented Sept. 5, 1893.

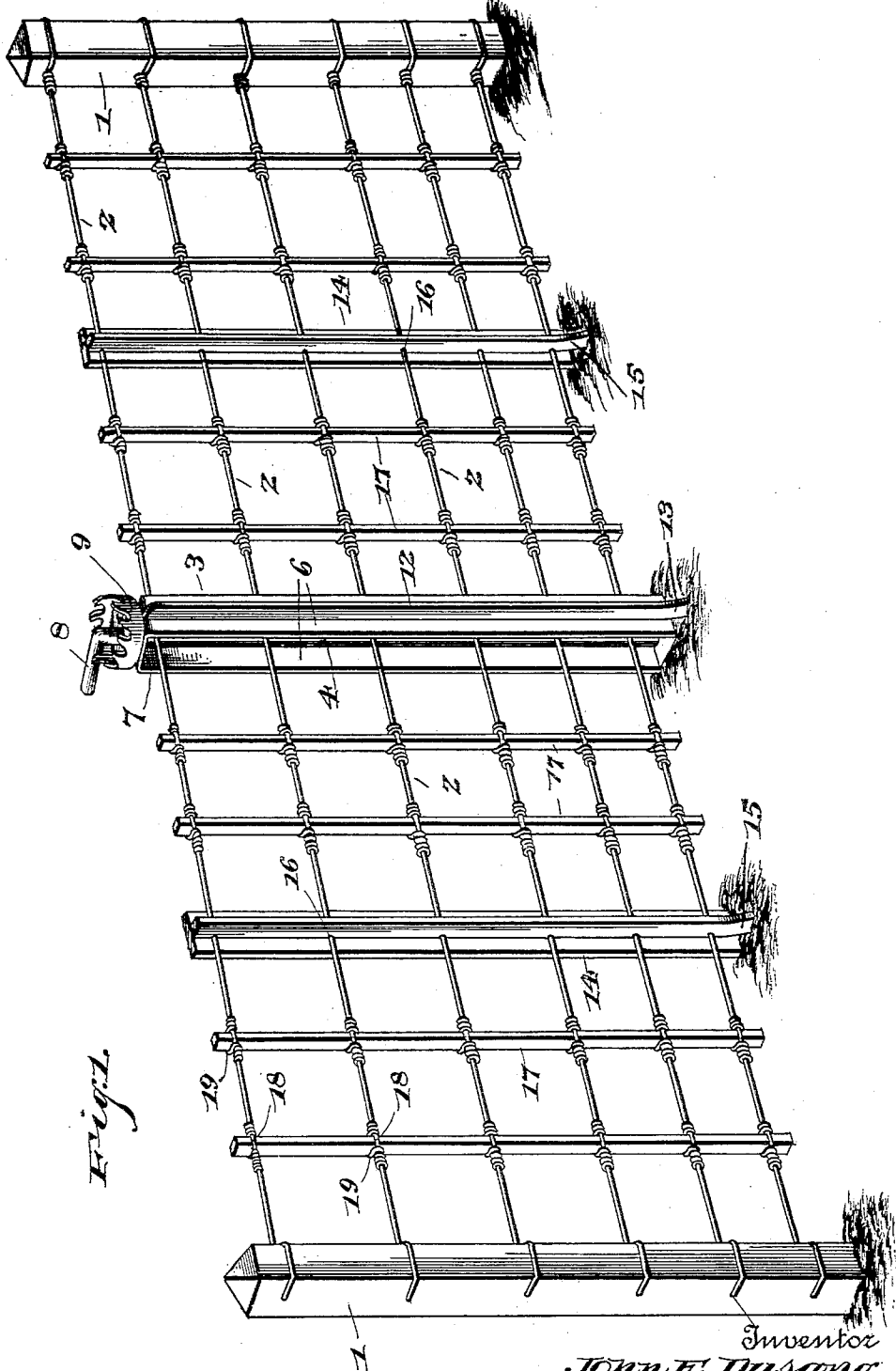


Fig. 1.

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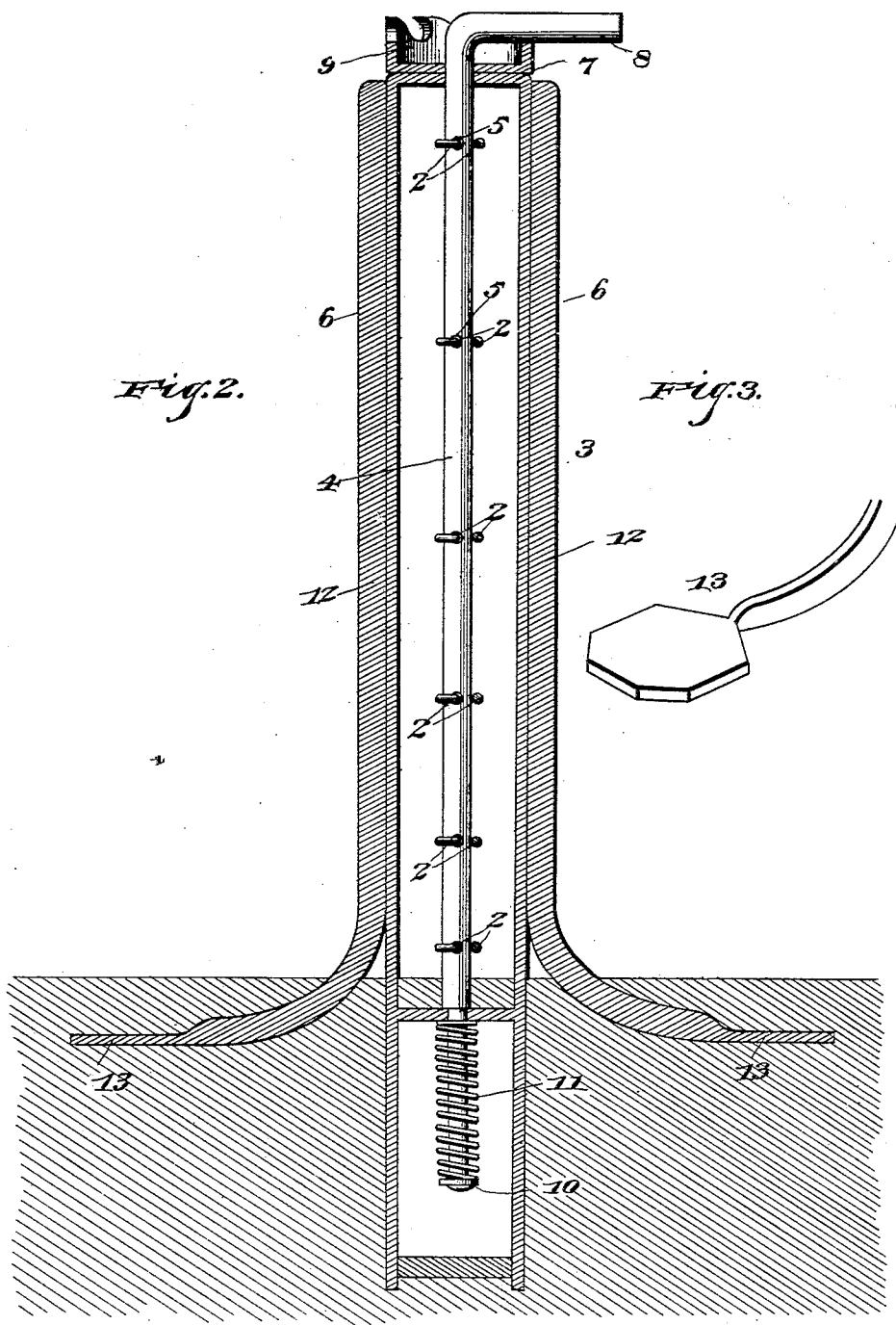
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2 Sheets—Sheet 2.

J. E. DUSANG.
FENCE.

No. 504,570.

Patented Sept. 5, 1893.



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UNITED STATES PATENT OFFICE.

JOHN E. DUSANG, OF LARUE, OHIO.

FENCE.

SPECIFICATION forming part of Letters Patent No. 504,570, dated September 5, 1893.

Application filed April 28, 1893. Serial No. 472,240. (No model.)

To all whom it may concern:

Be it known that I, JOHN E. DUSANG, a citizen of the United States, residing at Larue, in the county of Marion and State of Ohio, have invented a new and useful Fence, of which the following is a specification.

The invention relates to improvements in wire fences.

The object of the present invention is to improve the construction of wire fences, to enable the wires to be readily maintained at the desired tension, and to maintain the fence firmly in a vertical 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 constructed in accordance with this invention. Fig. 2 is a transverse sectional view. Fig. 3 is a detail perspective view of one of the feet.

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

1—1 designate end posts having secured to them horizontal fence-wires 2, which are tightened to the desired tension by a centrally located tension post 3, provided with a vertical shaft 4 having wire openings 5 to receive the fence wires. The tension post consists of a rectangular casing composed of sides 6, a top, which is provided with a central bearing opening to receive the shaft 4, and a horizontal cross-piece, which is arranged near the lower end of the post, and which has a bearing opening to receive the lower portion of the vertical shaft. The upper end of the vertical shaft is bent at an angle to provide a pawl 8 for engaging a circular ratchet 9, which is secured to the top of the post, and which extends around the bearing opening. The lower end of the shaft is provided with a collar 10, and interposed between the same and the horizontal cross-piece is a spiral spring 11, which is disposed on the shaft for holding the pawl in engagement with the ratchet. The shaft may be readily lifted against the action of the spring to disengage the pawl, which is adapt-

ed to serve as a handle for turning the shaft to tighten the wires; and when the latter are stretched to the desired tension, the pawl is released to enable the spring to carry it downward into engagement with the circular ratchet. The tension post has secured to the outer faces of its sides vertical braces 12, which extend along the post and are provided at their lower ends with curved diverging feet 13 having flattened and enlarged outer extremities. The curved feet form anchors, and serve to support and hold securely the fence in an upright position.

The fence is provided with intermediate posts 14, which have braces 15 similar to those of the tension post. The braces 15 of the intermediate posts are provided at their inner edges with notches 16 to receive the fence wires, and the latter are supported at intervals between the posts by vertical stays 17. The vertical stays are each provided with notches 18 to receive the fence wires, and are secured to them by wire ties 19 extending around one side of the stay, and coiled at each end around the fence wires.

It will be seen that the fence is simple, inexpensive, strong and durable, that it is maintained firmly in an upright position, and that the fence wires may be readily stretched to the desired tension.

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. The combination with the wires of a fence, of a tension post provided with bearings, a horizontally disposed circular ratchet mounted on top of the post, and a vertical shaft journaled in the bearings and receiving the fence wires and adapted to wind the same around it and having its upper end bent horizontally and engaging the ratchet to provide a combined handle and pawl, substantially as described.

2. The combination with the wires of a fence, of a tension post arranged at an intermediate point and consisting of a rectangular casing and provided with a horizontal

cross-piece and having bearing openings, a
circular ratchet secured to the top of the post,
a vertical shaft journaled in the post and
having its upper end bent at an angle for en-
5 gaging the ratchet, a spiral spring disposed
on the shaft for holding the upper bent end
of the same in engagement with the ratchet,
and the braces secured to the sides of the
post and having curved feet provided with | flattened outer extremities, substantially as 10
described.

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

JOHN E. DUSANG.

Witnesses:

THOS. L. BARTOW,
W. M. BARTOW.