

(No Model.)

D. W. MCGLENEN.
TENSION DEVICE.

No. 485,770.

Patented Nov. 8, 1892.

Fig. 1.

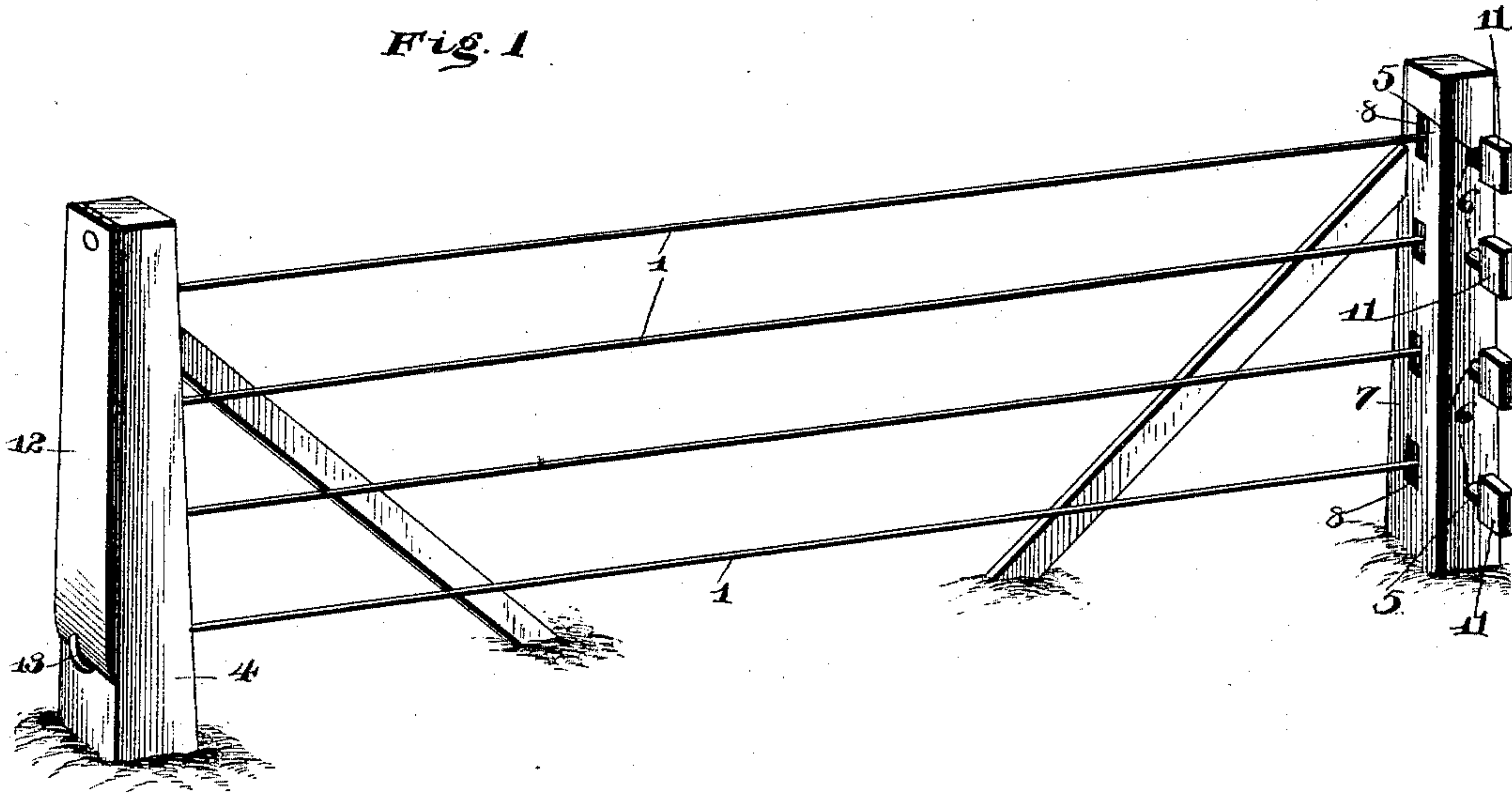


Fig. 2.

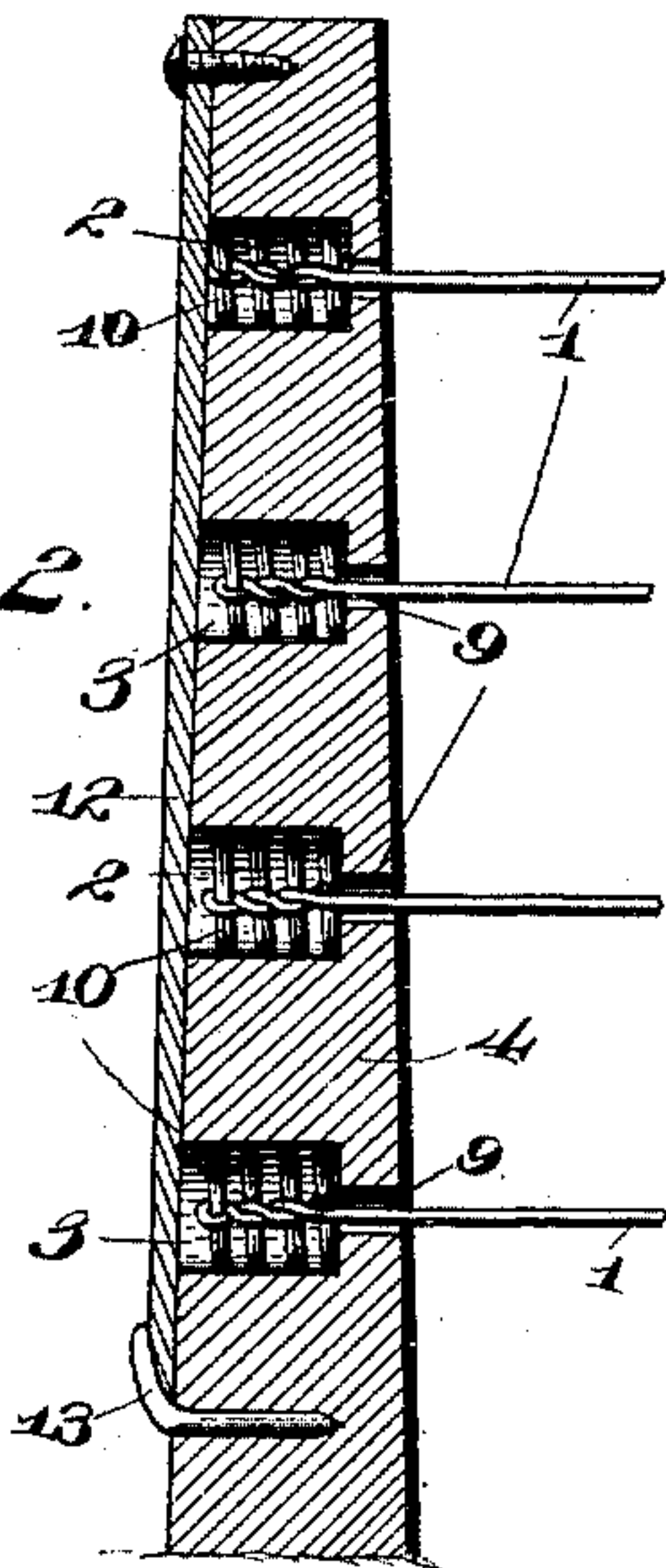
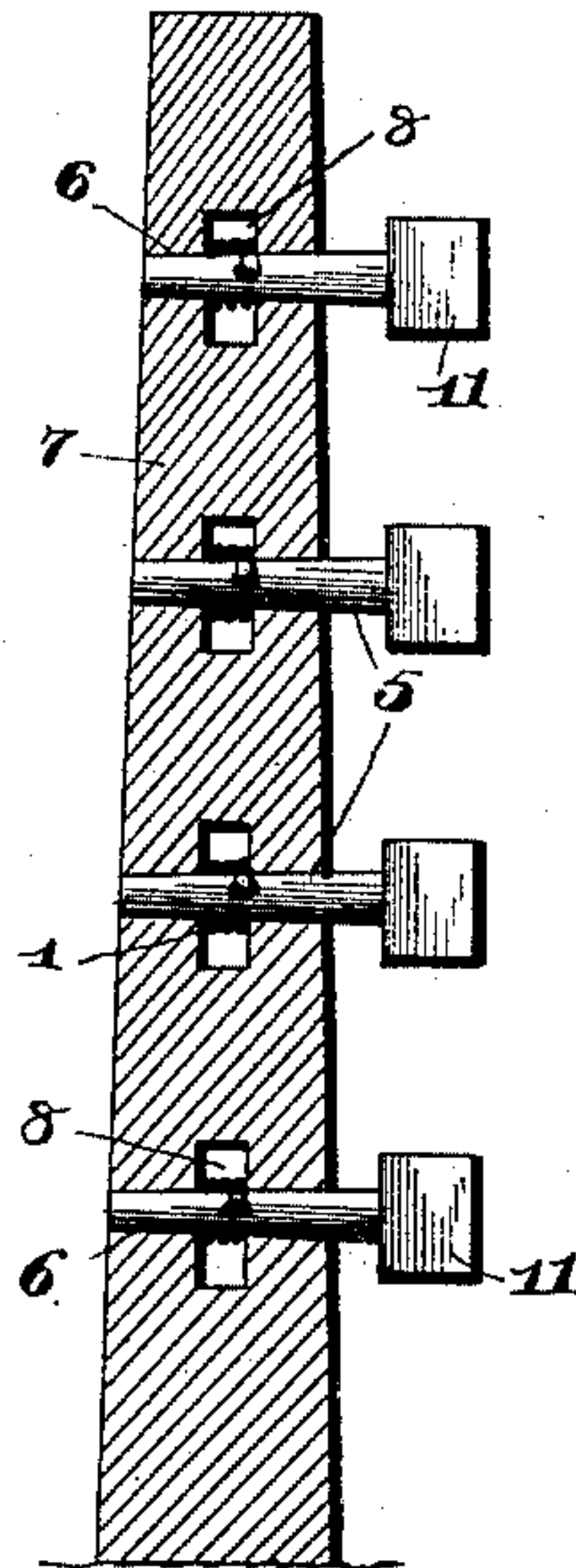


Fig. 3.



Witnesses

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Inventor

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By his Attorneys,

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UNITED STATES PATENT OFFICE.

DANIEL W. MCGLENEN, OF CRESTON, OHIO.

TENSION DEVICE.

SPECIFICATION forming part of Letters Patent No. 485,770, dated November 8, 1892.

Application filed June 14, 1892. Serial No. 438,707. (No model.)

To all whom it may concern:

Be it known that I, DANIEL W. MCGLENEN, a citizen of the United States, residing at Creston, in the county of Wayne and State of Ohio, have invented a new and useful Tension Device, of which the following is a specification.

The invention relates to improvements in tension devices for wire fences.

The object of the present invention is to provide for wire fences a simple and inexpensive tension device in which tension-springs will be protected from the weather, and thereby greatly increase the durability of fences.

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 vertical sectional view of a post, the section being taken longitudinally of the fence to show the tension-springs. Fig. 3 is a similar view of another post, the section being taken transversely of the fence to illustrate the turning-pins.

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

1 designates horizontal fence-wires, each of which has one end connected to a spiral spring 2, which is arranged in a socket 3 of a post 4, and its other end secured to a turning-pin 5, arranged in a transverse perforation 6 of a post 7. The posts 4 and 7 are arranged at the ends of the fence or section of the same. The post 4 is provided with a vertical series of spring-sockets 3 and the post 7 has a vertical series of transverse perforations to receive the turning-pin and a series of openings 8, through which the wires pass to the turning-pins. The other ends of the wires enter perforations 9 and are attached to the ends 10 of the spiral springs, whereby by tightening the wire the spiral spring will be compressed

and will yield to the expansion and contraction of the wire and maintain the latter taut and prevent the breaking. The turning-pins 5 taper from the heads 11 to their other ends and are arranged in slightly-conical openings and are adapted to be driven in the openings or perforations 6 to secure the wires at any desired tension, and they may be turned by a wrench or any other suitable tool. The spiral springs 2 are arranged entirely within the sockets and are concealed by a pivoted board 12, which closes the outer ends or mouths of the sockets and which is pivoted at its upper end and has its lower end beveled and arranged to engage a keeper 13. By this arrangement the springs are protected from the weather and are less influenced by the heat of summer and the cold of winter than they would be were they entirely exposed and arranged on the outside of a post.

What I claim is—

The combination of the post 7, a series of turning-pins mounted in the post, a post 4, provided with a series of horizontal sockets of cylindrical form and having corresponding perforations communicating with the sockets, the spiral springs arranged within the sockets, the fence-wires connected at one end to the turning-pins and twisted at the other end around the outer coils of the spiral springs, a board arranged on the outer face of the post 4, covering the spring-sockets, pivoted at its upper end to the post and adapted to swing laterally to uncover the sockets, and a keeper arranged at the lower end of the pivoted board and mounted on the post, 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.

DANIEL W. MCGLENEN.

Witnesses:

W. C. OSBORNE,
J. D. FOUNTAIN.